US Army Corps
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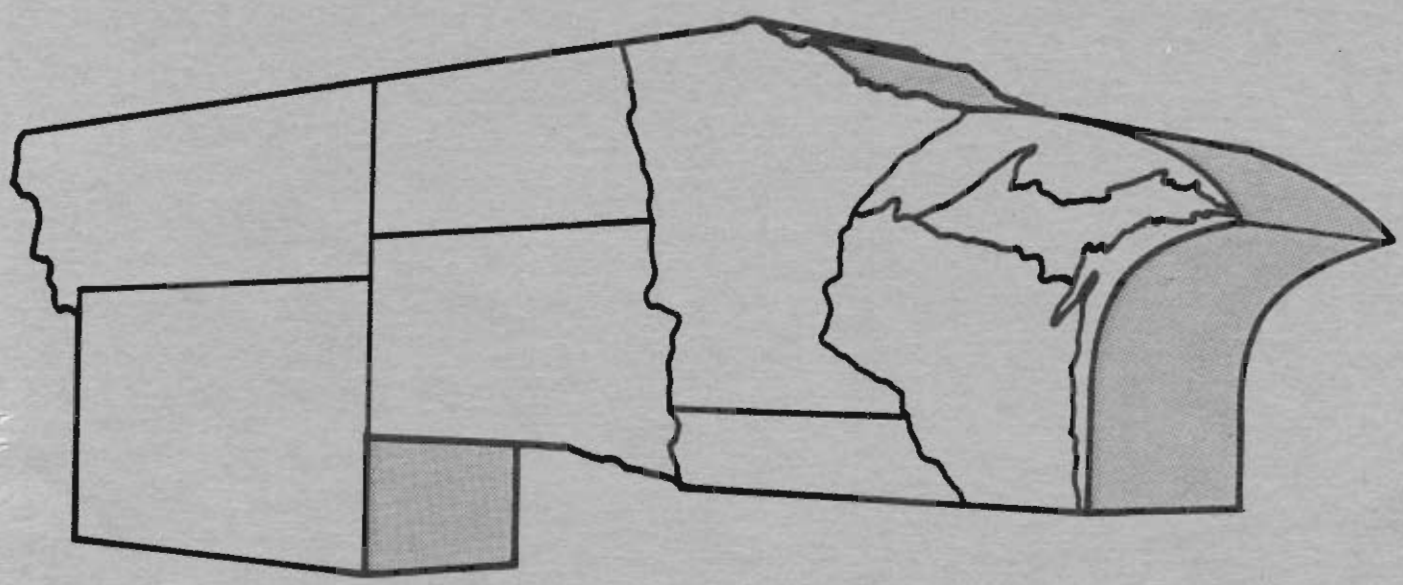
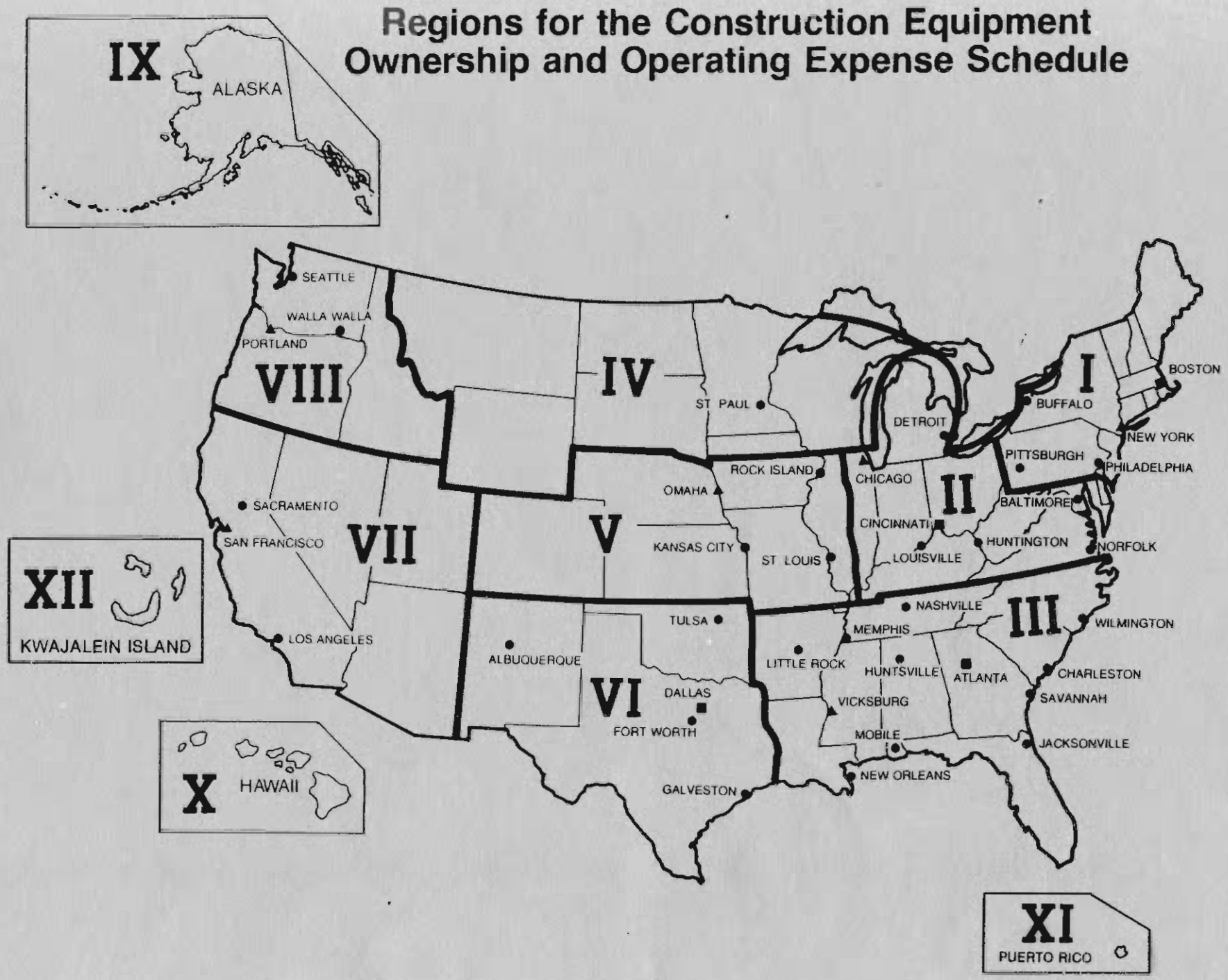
June 1986

Construction Equipment Ownership and Operating Expense Schedule

Region IV



Regions for the Construction Equipment Ownership and Operating Expense Schedule



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

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Volume 4

DAEN-ECE-S

Pamphlet
No. 1110-1-8

1 June 1986

Engineering and Design
CONSTRUCTION EQUIPMENT OWNERSHIP
AND OPERATING EXPENSE SCHEDULE

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

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

Iowa (north of U.S. Hwy 20)	North Dakota
Michigan (upper peninsula)	South Dakata
Minnesota	Wisconsin
Montana	Wyoming

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

FOR THE COMMANDER:

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

This pamphlet supersedes EP 1110-1-8, Volume 4, dated 1 June 1985

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Engineer Pamphlet
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Engineering and Design
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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 IV, which includes the following states:

Iowa (north of U.S. Hwy. 20)	North Dakota
Michigan (upper peninsula)	South Dakota
Minnesota	Wisconsin
Montana	Wyoming

1-3. References. See APPENDIX A.

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

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

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

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

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

CHAPTER 2

METHODOLOGY

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

2-2. Construction Equipment.

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

b. Operating Conditions.

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

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

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

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

(1) Depreciation.

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

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

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

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

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

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

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

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

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:

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

where:

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

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

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

(4) Gasoline wt = 6.1 lbs per gallon

(5) Diesel wt = 7.1 lbs per gallon

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

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

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

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

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

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

(4) Maintenance and Repair Costs.

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

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

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

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

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

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

(5) Hourly Tire Cost.

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

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

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

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

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

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

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

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

CONSTRUCTION EQUIPMENT HOURLY OWNERSHIP AND OPERATING RATE WORK SHEET
(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 3265

(1) Equipment Description P&H Truck Crane, 50 Ton

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

(3) Year Purchased 1984 (4) Year Manufactured 1984

(5) Equipment Horsepower 135 (6) Carrier Horsepower 236

(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) =$ 410,908.00

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

=($ 410,908) x *.075 =(-)$ 30,818.10

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

=(1222cwt x ($ 2.50) =(+)$ 3055.00

b. Subtotal: Summation of Part a. (Use actual cost when available) =$ 383,144.90

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

=($ 383,145) x (.045) =(+)$ 17,241.52

c. Equipment Cost: Summation of Part b. (Use actual cost when available) =$ 400,386.42

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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) ÷ (1,350 Hrs/Yr) 13.33 Yrs.

4. ECONOMIC ADJUSTMENT FACTOR (EAF)

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

=(3463) ÷ (3339) =1.037 (EAF)

5. SALVAGE VALUE FACTOR (S)

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

=(.15) x (1.037) =.156 (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))

=[($400,386) x [1.0 - (.156)] - ($9326)] ÷ (18,000 Hr) =$18.26/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]

=[[(13.33 Yrs)-1.0] x [(.156)+1.0] + 2.0] ÷ [(13.33 Yrs) x 2.0] = .610

(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)

=($400,386) x (.610) x (.078) ÷ (1350 Hrs/Yr) =$14.11/Hr.

c. Total Hourly Ownership: (Sum 6-a + 6-b-(2)) =$32.37/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) x (H.P. From) x (Fuel Cost)
From 1-b-(4) 1-a-(5) Per Gal.

=(.038) x (135 HP) x ($ 0.94 /Gal) =$ 4.82 /Hr.

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

=(.006) x (236 HP) x ($ 1.20 /Gal) =$ 1.70 /Hr.

(3) Total Fuel Costs: (Sum 7-a-(1), 7-a-(2)) =$ 6.52 /Hr.

b. FOG Costs:

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

=(.26) x ($ 4.82 /Hr) =$ 1.25 /Hrs.

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

=(.26) x ($ 1.70 /Hr) =$ 0.44 /Hr.

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

c. Repairs Cost:

(1) Repair Factor:

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

=(.60) x (1.037) x (0.95) = .591

(2) Hourly Repairs:

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

=[($ 400,386) - ($ 9326)] x (.591) ÷ (18000 Hr) =$ 12.84 /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 Ftr Frm 1-b-(7)) x (Max Tire Life Frm Tbl F-1)]

=1.5x($ 3084)+ [1.8x(.97)x(5000 Hr)] =$ 0.53 /Hr.

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

=1.5x($ 6168)+ [1.8x(.78)x(5000 Hr)] =$ 1.32 /Hr.

(3) Trailing Tires: 1.5x(Trlg Tires Cost) + [1.8x(T-Tire Ftr 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)) =$ 1.85 /Hr.

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

=($ 1.85) x 0.15 =$ 0.28 /Hr.

f. Total Operating Costs: (Sum 7-a thru 7-e) =$ 23.18 /Hr.

8. TOTAL HOURLY RATES

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

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

=($ 32.37 /Hr) + ($ 23.18 /Hr) =$ 55.55 /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)

=($ 18.26 /Hr) + [($ 14.11 /Hr)x40+(60 Hr/Wk)] + ($ 23.18 /Hr) =$ 50.85 /Hr.

c. Hourly Standby Rate:

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

=($ 18.26 /Hr) x 0.25 + ($ 14.11 /Hr) =$ 18.68 /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.

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

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

CHAPTER 3

RATE SCHEDULE

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

3-2. Hourly Equipment Ownership and Operating Expense.

a. Description.

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

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

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

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

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

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

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

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

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

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

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

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

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES 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									
1015	SPREAD TO 8" DEPTH & 10' WIDE 184 HP G	56,042	24.30		3.21	6.44	11.07			155
1020	SPREAD TO 8" DEPTH & 13' WIDE 140 HP D	62,684	16.72		3.60	7.22	3.95			160
	AIR COMPRESSORS, PORTABLE (HOSE NOT INCLUDED)									
	ROTARY SCREW									
1035	SIZE 100 CFM QUIET 100 PSI 50 HP G	11,022	7.12		0.64	1.19	3.89			20
1040	SIZE 100 CFM QUIET 100 PSI 33 HP D	13,218	3.88		0.76	1.43	1.18			26
1045	SIZE 125 CFM QUIET 100 PSI 70 HP G	13,489	9.61		0.78	1.46	5.45			24
1050	SIZE 125 CFM QUIET 100 PSI 51 HP D	14,347	4.89		0.82	1.54	1.82			26
1055	SIZE 175 CFM QUIET 100 PSI 70 HP G	14,723	9.83		0.85	1.59	5.45			26
1060	SIZE 175 CFM QUIET 100 PSI 54 HP D	16,709	5.47		0.96	1.81	1.93			28
1065	SIZE 185 CFM QUIET 100 PSI 70 HP G	15,200	9.91		0.88	1.64	5.45			27
1070	SIZE 185 CFM QUIET 100 PSI 69 HP D	17,938	6.37		1.03	1.94	2.46			29
1075	SIZE 250 CFM QUIET 100 PSI 88 HP D	26,706	8.82		1.54	2.90	3.14			55
1080	SIZE 375 CFM QUIET 100 PSI 122 HP D	33,084	11.56		1.90	3.53	4.36			79
1085	SIZE 450 CFM QUIET 100 PSI 152 HP D	42,904	14.69		2.46	4.60	5.43			89
1090	SIZE 600 CFM QUIET 100 PSI 188 HP D	51,538	17.89		2.96	5.52	6.72			97
1095	SIZE 750 CFM QUIET 100 PSI 228 HP D	59,736	21.18		3.43	6.41	8.14			128
1100	SIZE 825 CFM QUIET 100 PSI 260 HP D	68,000	24.13		3.91	7.31	9.29			130
1105	SIZE 900 CFM QUIET 100 PSI 270 HP D	74,499	25.76		4.29	8.03	9.64			148
1110	SIZE 1000 CFM QUIET 100 PSI 294 HP D	83,242	28.42		4.79	8.97	10.50			186
1115	SIZE 1200 CFM QUIET 100 PSI 400 HP D	99,617	36.21		5.74	10.76	14.29			196
1120	SIZE 1600 CFM QUIET 100 PSI 456 HP D	112,537	41.11		6.48	12.16	16.29			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	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									
1135	SCW-1042P SANDBLASTER 1/2" HOSE 101CFM A CAP. 100 LBS. W/ACC. AND 25' HOSE	1,482	0.97		0.13	0.35	0.00			3
1140	SCW-1440P SANDBLASTER 1" HOSE 101CFM A CAP. 150 LBS W/ACC. AND 50' HOSE	2,700	1.73		0.25	0.65	0.00			5
1145	SCWB-1648P SANDBLASTER 1" HOSE 101CFM A CAP. 300 LBS. W/ACC. AND 50' HOSE	2,716	1.74		0.25	0.65	0.00			6
1150	SCWB-2452HPSANDBLASTER 1-1/4" HOS 216CFM A CAP. 600 LBS. W/ACC. AND 50' HOSE	2,984	1.98		0.28	0.72	0.00			7
1155	SCH-3079 SANDBLASTER 1-1/4" PIPE 216CFM A CAP. 1400 LBS W/HOPPER & 50' HOSE	4,036	2.61		0.37	0.96	0.00			9
1160	MOD 60-H SANDBLASTER 1-1/4" PIPE 450CFM A CAP. 3-TONS W/2 NOZZ. & 50' HOSE	11,732	7.40		1.06	2.74	0.00			28
1165	MOD 120-H SANDBLASTER 1-1/4" PIPE 700CFM A CAP. 6-TONS W/3 NOZZ. & 50' HOSE	14,398	8.96		1.27	3.25	0.00			45
1170	MOD 160-H SANDBLASTER 1-1/4" PIPE 900CFM A CAP. 8-TONS W/4 NOZZ. & 50' HOSE	17,565	11.03		1.57	4.02	0.00			53
	GARDNER DENVER - TOOLS									
1180	SPADER SP27E 32CFM A	901	0.62		0.09	0.22	0.00			1
1185	SINKER DRILL S58 98CFM A	1,978	1.33		0.18	0.47	0.00			1
1190	PAVING BREAKER B37 41CFM A	925	0.63		0.09	0.22	0.00			1
1195	PAVING BREAKER B67C 46CFM A	991	0.67		0.09	0.24	0.00			1
1200	PAVING BREAKER B87C 50CFM A	1,078	0.73		0.10	0.26	0.00			1
1205	FEED LEG DRILL S83F-54" TRAVEL 103CFM A RETRACTABLE FL-7	3,638	2.38		0.34	0.88	0.00			1
	MASTER - CONCRETE VIBRATORS									
1215	CONCRETE VIBR. MOD A-600SH 6" 125CFM A	1,952	1.84		0.18	0.46	0.00			1
1220	CONCRETE VIBR. MOD A-450SH 4.5" 110CFM A	1,254	1.22		0.11	0.30	0.00			1
1225	CONCRETE VIBR. MOD A-35010 3.5" 82CFM A	1,126	1.08		0.11	0.27	0.00			1
1230	CONCRETE VIBR. MOD A-30010 3" 64CFM A	1,016	0.96		0.09	0.24	0.00			1
1235	CONCRETE VIBR. MOD A-25010 2.5" 40CFM A	795	0.75		0.07	0.19	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)									
1245	MOD RES 1000 GAL. TRUCK MOUNTED 45 HP G 18,000 TO 24,000 GVW REQUIRED	30,841	10.86		1.78	3.60	3.50			72
1250	MOD RES 1500 GAL. TRUCK MOUNTED 45 HP G 24,000 TO 32,000 GVW REQUIRED	31,582	11.01		1.82	3.69	3.50			75
1255	MOD RES 2000 GAL. TRUCK MOUNTED 45 HP G 32,000 GVW REQUIRED	33,775	11.46		1.96	3.95	3.50			87
1260	MOD RES 3000 GAL. TRUCK MOUNTED 45 HP G 42,000 GVW REQUIRED	37,878	12.29		2.19	4.43	3.50			109
	ASPHALT FINISHERS ********** SPW=STANDARD PAVING WIDTH									
	BARBER-GREENE									
1270	MOD SB111 8' SPW (PNEUMATIC) 70 HP D	89,338	21.86		5.12	10.28	2.50			165
1275	MOD SB131 10' SPW (PNEUMATIC) 95 HP D W/VIB SCREED, AUTO. FEEDERS AND GR CONTROL	148,345	35.38		8.49	16.99	3.39			258
1280	MOD SB140 10' SPW (PNEUMATIC) 130 HP D OPTIONS SAME AS MOD SB131	166,530	40.77		9.54	19.12	4.64			325
1285	MOD SA150 10' SPW (CRAWLER) 130 HP D OPTIONS SAME AS MOD SB131	196,858	46.78		11.38	23.01	4.64			375
	BLAW-KNOX									
1295	MOD PF-22 5'-8'SPW (PNEUMATIC) 30 HP D	48,638	11.57		2.77	5.53	1.07			95
1300	MOD PF-35 6'-8'SPW (PNEUMATIC) 44 HP D	80,814	18.88		4.63	9.29	1.57			104
1305	MOD PF-115 8'SPW (PNEUMATIC) 56 HP D	107,850	25.12		6.18	12.39	2.00			180
1310	MOD PF-120H 10'SPW (PNEUMATIC) 95 HP D	130,856	31.74		7.47	14.94	3.39			240
1315	MOD PF-180H 10'SPW (PNEUMATIC) 92 HP D	155,565	36.80		8.88	17.75	3.29			277
1320	MOD PF-220 12'SPW (PNEUMATIC) 148 HP D	202,250	49.19		11.54	23.05	5.29			387
1325	MOD PF-400A 8'SPW (CRAWLER) 90 HP D	144,281	34.04		8.33	16.86	3.21			230
1330	MOD PF-500 10'SPW (CRAWLER) 125 HP D	173,757	41.76		10.04	20.31	4.46			291

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	ASPHALT KETTLES - ROSCO									
1340	MOD KB 110 GAL. TRAILER MOUNTED	3,742	1.88		0.23	0.50	0.00			13
1345	MOD KD 225 GAL. TRAILER MOUNTED	4,345	2.14		0.28	0.59	0.00			16
	ASPHALT RECYCLER - BOMAG									
1355	MOD AR-6 TRAILER MOUNTED 8 HP G	10,339	4.85		0.65	1.41	0.62			21
	BROOMS - M-B									
1365	MOD 53T HYD 7 FT. TOWED MECH DRIVE W/SPRINKLER	6,530	1.44		0.38	0.73	0.00			24
1370	MOD 53-M 7 FT. TOWED 30 HP G MOTOR DRIVEN W/SPRINKLER	8,400	4.51		0.48	0.94	2.34			30
1375	MOD MT 7 FT. TRACTOR MOUNTED PTO DRIVE W/SPRINKLER	3,180	0.79		0.18	0.36	0.00			10
1380	MOD HT 7 FT. TRACTOR MOUNTED HYD DRIVE W/SPRINKLER	5,739	1.23		0.34	0.66	0.00			14
	BRUSH CHIPPERS - FMC									
1390	MOD C-16S SKID-MTD 16" DIA.LOG 150 HP G	11,660	13.14		0.67	1.36	8.14			41
1395	MOD C-16T TRAILER-MTD 16" DIA.LOG 150 HP G	12,759	13.38		0.73	1.47	8.14			45
	BUCKETS, CLAMSHELL									
	ESCO - MODEL GPS GENERAL PURPOSE & SQUARE NOSE									
1405	.75 C.Y.	10,154	1.94	2.46	0.59	1.23	0.00	1.45	0.00	37
1410	1.0 C.Y.	10,925	2.08	2.64	0.63	1.32	0.00	1.56	0.00	41
1415	1.5 C.Y.	15,819	3.01	3.83	0.91	1.91	0.00	2.26	0.00	61
1420	2.0 C.Y.	18,592	3.54	4.51	1.07	2.25	0.00	2.66	0.00	69
1425	2.5 C.Y.	23,991	4.57	5.81	1.39	2.90	0.00	3.43	0.00	88
1430	3.0 C.Y.	25,538	4.87	6.19	1.48	3.09	0.00	3.65	0.00	94
1435	3.5 C.Y.	27,759	5.29	6.73	1.61	3.36	0.00	3.97	0.00	105

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, CLAMSHELL (CONT'D)									
	ESCO - MODEL GPS GEN PURPOSE & SQUARE NOSE (CONT'D)									
1440	4.0 C.Y.	30,781	5.87	7.46	1.78	3.73	0.00	4.40	0.00	115
1445	4.5 C.Y.	33,445	6.37	8.11	1.94	4.05	0.00	4.79	0.00	126
1450	5.0 C.Y.	35,636	6.79	8.64	2.06	4.31	0.00	5.10	0.00	140
1455	5.5 C.Y.	39,459	7.52	9.56	2.28	4.78	0.00	5.64	0.00	152
1460	6.0 C.Y.	41,060	7.82	9.95	2.38	4.97	0.00	5.87	0.00	160
1465	6.5 C.Y.	42,257	8.05	10.24	2.44	5.11	0.00	6.04	0.00	169
1470	7.0 C.Y.	44,478	8.47	10.78	2.57	5.38	0.00	6.36	0.00	177
1475	7.5 C.Y.	46,268	8.82	11.21	2.68	5.60	0.00	6.62	0.00	184
	ESCO - MODEL HDS HEAVY DUTY & SQUARE NOSE									
1485	.75 C.Y.	9,699	1.85	2.34	0.57	1.18	0.00	1.38	0.00	33
1490	1.0 C.Y.	13,504	2.58	3.27	0.79	1.64	0.00	1.93	0.00	46
1495	1.5 C.Y.	19,811	3.78	4.80	1.15	2.40	0.00	2.83	0.00	70
1500	2.0 C.Y.	21,468	4.09	5.20	1.24	2.60	0.00	3.07	0.00	78
1505	2.5 C.Y.	26,999	5.15	6.54	1.56	3.27	0.00	3.86	0.00	98
1510	3.0 C.Y.	29,720	5.67	7.20	1.72	3.60	0.00	4.25	0.00	109
1515	3.5 C.Y.	34,189	6.51	8.28	1.97	4.13	0.00	4.88	0.00	120
1520	4.0 C.Y.	36,906	7.03	8.94	2.13	4.46	0.00	5.28	0.00	131
1525	4.5 C.Y.	39,789	7.59	9.63	2.30	4.82	0.00	5.68	0.00	141
1530	5.0 C.Y.	42,675	8.14	10.34	2.47	5.17	0.00	6.10	0.00	155
1535	5.5 C.Y.	45,173	8.61	10.95	2.61	5.47	0.00	6.46	0.00	164
1540	6.0 C.Y.	47,531	9.05	11.51	2.74	5.75	0.00	6.79	0.00	174
1545	6.5 C.Y.	50,187	9.56	12.15	2.90	6.07	0.00	7.17	0.00	185
1550	7.0 C.Y.	52,435	9.98	12.71	3.03	6.34	0.00	7.50	0.00	193
1555	7.5 C.Y.	54,642	10.42	13.24	3.16	6.62	0.00	7.81	0.00	201

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
	BUCKETS, CLAMSHELL (CONT'D)									
	ESCO - MODEL XDS EXTRA HEAVY DUTY & SQUARE NOSE									
1565	.75 C.Y.	15,363	2.93	3.73	0.89	1.86	0.00	2.20	0.00	50
1570	1.0 C.Y.	15,672	2.99	3.80	0.91	1.90	0.00	2.24	0.00	55
1575	1.5 C.Y.	22,633	4.31	5.49	1.31	2.74	0.00	3.24	0.00	81
1580	2.0 C.Y.	27,894	5.31	6.76	1.61	3.37	0.00	3.99	0.00	99
1585	2.5 C.Y.	31,396	5.98	7.61	1.81	3.80	0.00	4.49	0.00	115
1590	3.0 C.Y.	34,237	6.53	8.29	1.98	4.15	0.00	4.89	0.00	127
1595	3.5 C.Y.	36,951	7.05	8.95	2.14	4.48	0.00	5.28	0.00	141
1600	4.0 C.Y.	39,354	7.50	9.54	2.27	4.76	0.00	5.63	0.00	150
1605	4.5 C.Y.	41,023	7.82	9.93	2.38	4.97	0.00	5.86	0.00	160
1610	5.0 C.Y.	44,613	8.50	10.80	2.58	5.40	0.00	6.37	0.00	173
1615	5.5 C.Y.	47,440	9.04	11.49	2.74	5.74	0.00	6.78	0.00	185
1620	6.0 C.Y.	50,047	9.54	12.13	2.90	6.06	0.00	7.16	0.00	195
1625	6.5 C.Y.	52,899	10.08	12.82	3.06	6.40	0.00	7.57	0.00	208
1630	7.0 C.Y.	55,006	10.48	13.32	3.18	6.66	0.00	7.86	0.00	218
1635	7.5 C.Y.	57,805	11.01	14.00	3.34	6.99	0.00	8.26	0.00	229
	BUCKETS, CONCRETE - GAR-BRO									
	GENERAL PURPOSE & MANUAL									
1645	433-G 1.0 C.Y.	1,529	0.29		0.09	0.18	0.00			6
1650	442-G 1.5 C.Y.	1,910	0.35		0.11	0.22	0.00			8
1655	462-G 2.0 C.Y.	2,470	0.46		0.14	0.29	0.00			11
1660	493-G 3.0 C.Y.	3,477	0.65		0.20	0.41	0.00			19
1665	4123-G 4.0 C.Y.	4,363	0.82		0.26	0.52	0.00			23

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	BUCKETS, CONCRETE - GAR-BRO (CONT'D)									
	LOW SLUMP - AIR OPERATED GATE									
1675	440-A 1.0 C.Y.	6,360	1.18		0.37	0.74	0.00			19
1680	450-A 1.5 C.Y.	6,608	1.23		0.38	0.77	0.00			21
1685	460-A 2.0 C.Y.	6,861	1.28		0.40	0.80	0.00			23
1690	493-A 3.0 C.Y.	8,975	1.67		0.52	1.05	0.00			42
1695	4139-A 4.0 C.Y.	9,316	1.74		0.54	1.09	0.00			52
1700	4200-A 6.0 C.Y. DBL. COMPT.	13,465	2.52		0.78	1.58	0.00			72
1705	4250-A 8.0 C.Y. DBL. COMPT.	16,126	3.01		0.93	1.89	0.00			80
	LAYDOWN - HEAVY DUTY - AIR GATE									
1715	425-A 1.0 C.Y.	7,179	1.34		0.41	0.84	0.00			26
1720	465-A 2.0 C.Y.	8,011	1.49		0.46	0.93	0.00			31
1725	495-A 3.0 C.Y.	9,276	1.72		0.53	1.08	0.00			40
1730	4125-A 4.0 C.Y.	10,313	1.93		0.60	1.21	0.00			49
1735	4155-A 5.0 C.Y.	12,071	2.25		0.70	1.41	0.00			60
	BUCKETS, DRAGLINE									
	HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED									
1750	.75 C.Y.	3,397	0.65	0.83	0.19	0.41	0.00	0.49	0.00	15
1755	1.0 C.Y.	4,030	0.77	0.97	0.24	0.49	0.00	0.57	0.00	18
1760	1.5 C.Y.	4,913	0.93	1.19	0.28	0.59	0.00	0.70	0.00	26
1765	2.0 C.Y.	5,799	1.10	1.41	0.33	0.70	0.00	0.83	0.00	32
1770	2.5 C.Y.	6,814	1.29	1.66	0.39	0.82	0.00	0.98	0.00	37
1775	3.0 C.Y.	8,401	1.60	2.04	0.49	1.02	0.00	1.21	0.00	46
1780	3.5 C.Y.	9,291	1.77	2.25	0.54	1.12	0.00	1.33	0.00	50
1785	4.0 C.Y.	11,312	2.16	2.73	0.66	1.37	0.00	1.61	0.00	65
1790	4.5 C.Y.	12,010	2.28	2.91	0.69	1.45	0.00	1.72	0.00	69
1795	5.0 C.Y.	14,496	2.76	3.51	0.84	1.75	0.00	2.07	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)									
1800	6.0 C.Y.	15,716	3.00	3.81	0.91	1.91	0.00	2.25	0.00	90
1805	7.0 C.Y.	17,178	3.27	4.16	0.99	2.08	0.00	2.45	0.00	101
1810	8.0 C.Y.	19,043	3.63	4.61	1.10	2.31	0.00	2.72	0.00	112
1815	9.0 C.Y.	21,998	4.19	5.33	1.27	2.66	0.00	3.15	0.00	128
1820	10.0 C.Y.	23,907	4.56	5.79	1.39	2.90	0.00	3.42	0.00	139
1825	12.0 C.Y.	29,398	5.60	7.12	1.70	3.56	0.00	4.20	0.00	166
1830	14.0 C.Y.	33,802	6.44	8.19	1.95	4.09	0.00	4.83	0.00	191
	HENDRIX - MODEL TS, MEDIUM WEIGHT									
1840	.75 C.Y.	3,960	0.76	0.96	0.23	0.48	0.00	0.57	0.00	17
1845	1.0 C.Y.	4,875	0.93	1.17	0.28	0.59	0.00	0.69	0.00	19
1850	1.5 C.Y.	5,999	1.15	1.46	0.35	0.73	0.00	0.86	0.00	28
1855	2.0 C.Y.	7,148	1.36	1.73	0.41	0.86	0.00	1.02	0.00	36
1860	2.5 C.Y.	8,241	1.56	2.00	0.47	0.99	0.00	1.18	0.00	41
1865	3.0 C.Y.	9,854	1.87	2.39	0.57	1.19	0.00	1.41	0.00	49
1870	3.5 C.Y.	10,882	2.08	2.64	0.63	1.32	0.00	1.56	0.00	54
1875	4.0 C.Y.	13,052	2.49	3.17	0.76	1.58	0.00	1.87	0.00	70
1880	4.5 C.Y.	13,965	2.66	3.38	0.81	1.69	0.00	1.99	0.00	72
1885	5.0 C.Y.	17,899	3.41	4.34	1.04	2.17	0.00	2.56	0.00	93
1890	6.0 C.Y.	18,497	3.53	4.48	1.07	2.24	0.00	2.64	0.00	96
1895	7.0 C.Y.	21,109	4.02	5.11	1.22	2.55	0.00	3.01	0.00	111
1900	8.0 C.Y.	23,242	4.43	5.63	1.34	2.81	0.00	3.32	0.00	122
1905	9.0 C.Y.	27,814	5.30	6.73	1.61	3.37	0.00	3.97	0.00	149
1910	10.0 C.Y.	29,621	5.65	7.17	1.72	3.59	0.00	4.23	0.00	159
1915	12.0 C.Y.	37,754	7.19	9.15	2.19	4.57	0.00	5.40	0.00	202
1920	14.0 C.Y.	42,039	8.00	10.18	2.43	5.08	0.00	6.01	0.00	225

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	BUCKETS, DRAGLINE (CONT'D)									
	HENDRIX - MODEL MH-S, HEAVY WEIGHT									
1930	2.75 C.Y.	15,828	3.01	3.83	0.91	1.91	0.00	2.26	0.00	69
1935	3.0 C.Y.	16,461	3.13	3.99	0.95	1.99	0.00	2.36	0.00	72
1940	3.5 C.Y.	18,429	3.51	4.46	1.07	2.23	0.00	2.63	0.00	81
1945	4.0 C.Y.	24,646	4.69	5.97	1.42	2.98	0.00	3.52	0.00	110
1950	4.5 C.Y.	27,554	5.25	6.67	1.59	3.33	0.00	3.93	0.00	123
1955	5.0 C.Y.	28,453	5.42	6.90	1.64	3.44	0.00	4.07	0.00	127
1960	6.0 C.Y.	30,471	5.81	7.38	1.76	3.69	0.00	4.35	0.00	136
1965	7.0 C.Y.	38,735	7.38	9.38	2.24	4.69	0.00	5.53	0.00	175
1970	8.0 C.Y.	39,838	7.59	9.66	2.30	4.82	0.00	5.70	0.00	180
1975	9.0 C.Y.	50,651	9.65	12.27	2.93	6.13	0.00	7.24	0.00	234
1980	10.0 C.Y.	52,600	10.03	12.73	3.04	6.37	0.00	7.51	0.00	243
1985	12.0 C.Y.	62,559	11.93	15.15	3.62	7.58	0.00	8.94	0.00	289
1990	14.0 C.Y.	66,779	12.72	16.18	3.86	8.08	0.00	9.55	0.00	309
	SAUERMAN - CRESCENT SCRAPER WITH DRAGLINE CONVERSION KIT									
2000	SC-1050-K 1.0 C.Y.	9,659	1.83	2.34	0.55	1.16	0.00	1.38	0.00	15
2005	SC-1060-K 1.5 C.Y.	12,367	2.35	2.99	0.71	1.49	0.00	1.76	0.00	20
2010	SC-1070-K 2.0 C.Y.	16,958	3.23	4.11	0.98	2.05	0.00	2.43	0.00	25
2015	SC-1090-K 3.0 C.Y.	22,424	4.27	5.43	1.29	2.71	0.00	3.20	0.00	36
2020	SC-1100-K 4.0 C.Y.	33,533	6.39	8.12	1.94	4.06	0.00	4.79	0.00	49
2025	SC-1110-K 5.0 C.Y.	38,229	7.28	9.26	2.21	4.62	0.00	5.46	0.00	58
2030	SC-1120-K 6.0 C.Y.	46,341	8.83	11.22	2.68	5.61	0.00	6.62	0.00	68
2035	SC-1130-K 8.0 C.Y.	56,287	10.73	13.63	3.26	6.82	0.00	8.04	0.00	88
2040	SC-1140-K 10.0 C.Y.	68,297	13.02	16.54	3.95	8.27	0.00	9.76	0.00	106
2045	SC-1150-K 12.0 C.Y.	79,207	15.10	19.19	4.58	9.59	0.00	11.32	0.00	132

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	COMPACTORS, MANUALLY OPERATED									
2055	UR-12 INGERSOLL-RAND RAMMER 3 HP G	1,668	1.03		0.13	0.29	0.32			1
2060	BS45Y WACKER RAMMER 3 HP G	1,654	1.02		0.13	0.29	0.32			1
2065	BS65Y WACKER RAMMER 4 HP G	3,003	1.65		0.22	0.51	0.43			2
2070	GVR151Y WACKER RAMMER 5 HP G	2,341	1.54		0.17	0.40	0.54			2
2075	GVR220Y WACKER RAMMER 6 HP G	3,003	1.91		0.22	0.51	0.64			2
2080	VPG160B WACKER VIBRO PLATE 4 HP G	1,292	1.01		0.09	0.22	0.43			2
2085	VPG260K WACKER VIBRO PLATE 7 HP G	1,839	1.61		0.13	0.31	0.75			3
2090	BT-50 BOMAG TAMPING 4 HP G	1,842	1.21		0.13	0.31	0.43			1
2095	BT-71 BOMAG TAMPING 4 HP G	2,292	1.38		0.17	0.39	0.43			2
2100	BP-11K BOMAG VIBRO PLATE 4 HP G	1,640	1.15		0.13	0.29	0.43			3
2105	BP-19/75 BOMAG VIBRO PLATE 5 HP D	3,105	1.47		0.22	0.53	0.25			4
2110	BP-30 BOMAG VIBRO PLATE 5 HP D	5,634	2.42		0.42	0.97	0.25			5
2115	BP-50 BOMAG VIBRO PLATE 7 HP D	8,353	3.55		0.62	1.44	0.35			9
2120	BW-75E BOMAG WALK BEHIND S/D 5 HP D	7,198	3.00		0.53	1.24	0.25			10
2125	BW-35 BOMAG WALK BEHIND D/D 4 HP D	8,944	3.58		0.65	1.53	0.20			11
2130	BW-60SE BOMAG D/D ROLLER 8 HP D	12,376	5.12		0.91	2.13	0.40			20
2135	BW-90SE BOMAG D/D ROLLER 13 HP D	15,592	6.63		1.14	2.68	0.65			30
2140	VPG600 WACKER VIBRO PLATE 9 HP G	3,383	2.46		0.25	0.58	0.97			7
2145	DPS2350 WACKER VIBRO PLATE 7 HP D	3,586	1.76		0.26	0.61	0.35			4
2150	DPU5050 WACKER VIBRO PLATE 11 HP D	12,070	5.17		0.88	2.06	0.55			10
2155	W 55 T WACKER D/D ROLLER 8 HP D	11,006	4.61		0.80	1.89	0.40			17
2160	W 74 T WACKER D/D ROLLER 8 HP D	12,380	5.12		0.91	2.13	0.40			19
	CONCRETE BUGGIES - AEROIL									
2170	5 CF WALK-BEHIND 5 HP G	1,760	1.08		0.13	0.30	0.42			3

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

UNIT NO.	EQUIPMENT		VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	CONCRETE FINISHERS - BOMAG										
2180	MOD F4634 GYRO TROWEL	7 HP G	1,450	1.22		0.11	0.25	0.59			2
2185	MOD RF2B4 DOUBLTROWEL	16 HP G	5,728	3.51		0.42	0.99	1.34			7
2190	MOD RF383 TRIPLTROWEL	16 HP G	7,385	4.02		0.55	1.28	1.34			9
	CONCRETE MIXERS										
2200	PORTABLE CONCRETE MIXER 2.5 CF	1 HP E	669	0.26		0.05	0.10	0.05			2
2205	PORTABLE CONCRETE MIXER 3.5 CF	1 HP E	684	0.27		0.05	0.10	0.05			3
2210	PORTABLE CONCRETE MIXER 6.0 CF	7 HP G	2,057	1.39		0.14	0.33	0.59			7
2215	PORTABLE MORTAR MIXER 6.0 CF	7 HP G	1,647	1.27		0.12	0.27	0.59			6
	CONCRETE PAVERS										
	CMI										
2225	MOD SF - 175 SLIPFORM PAVER CURBS, MEDIANS, AND SIDEWALKS	142 HP D	130,846	33.63		7.56	15.29	5.07			263
2230	MOD SF - 250 25' WIDE SLIPFORM UNIT, 0-80 FT/MIN, CRAWLER MTD.	208 HP D	232,880	57.82		13.46	27.22	7.43			470
2235	MOD SUBURBAN 25' WIDE SLIPFORM UNIT, 0-60 FT/MIN, CRAWLER MTD.	250 HP D	411,040	96.71		23.75	48.05	8.93			720
	GOMACO										
2245	MOD C-650 24' WIDE FORM PAVER W/4' FINISHING CYLINDERS	65 HP G	26,632	12.21		1.53	3.09	5.06			91
2250	MOD HW-165 16'-6" WIDE SLIPFORM UNIT, AUTO VIBRATORS, CRLR MTD	100 HP D	123,145	30.12		7.12	14.40	3.57			255
	CONCRETE PLACERS, SHOTCRETE										
	ALLENTOWN										
2260	R450 PNEUM. GUN N-1 3-4 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 365 CFM COMP.	12 HP D	24,654	7.05		1.56	3.47	0.63			45
2265	R900 PNEUM. GUN N-2 6-10 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 600 CFM COMP.	20 HP D	28,156	8.47		1.79	3.98	1.05			60

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	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.	8,145	2.26		0.52	1.14	0.00			[illegible]
2275	GR1200 ROTARY GUN 4-12 CY/HR 770CFM A INCL. HOSE,REQ. 770 CFM COMP.	15,895	4.35		1.01	2.25	0.00			18[illegible]
	CHALLENGE SQUEEZ-CRETE									
2285	250-D FOR WET SHOTCRETE 25 CY/HR 62 HP D TRAILER MOUNTED INCL. HOSE	44,159	15.38		2.82	6.31	3.26			70[illegible]
	CONCRETE PUMPS									
	MORGEN									
2295	MOD 204-305 TRAILER MTD 60 CY/HR 110 HP D	52,582	20.74		3.35	7.50	5.79			70[illegible]
2300	MOD 203-420 BOOM 72'-VT 120 CY/HR 210 HP D INCLUDES 24500 GVW TRUCK	143,515	54.52		9.13	20.39	14.11			255[illegible]
	SCHWING									
2310	MOD BPA 350 TRAILER MTD 60 CY/HR 67 HP D	44,827	15.89		2.86	6.40	3.53			66[illegible]
2315	MOD BPA 650 TRAILER MTD 60 CY/HR 152 HP D	70,135	28.03		4.46	9.94	8.00			98[illegible]
2320	MOD BPA 901 TRAILER MTD 135 CY/HR 152 HP D	72,068	28.51		4.58	10.21	8.00			98
2325	MOD BP 3000 TRAILER MTD 127 CY/HR 177 HP D	95,442	36.14		6.09	13.61	9.32			130[illegible]
2330	MOD BP 5000 TRAILER MTD 151 CY/HR 300 HP D	122,618	51.32		7.83	17.50	15.79			150[illegible]
2335	MOD BPL 580 TRUCK MTD 72 CY/HR 175 HP D INCLUDING TRUCK AND 75' BOOM	147,966	52.72		9.37	20.83	11.76			302[illegible]
2340	MOD BPL 801 TRUCK MTD 107 CY/HR 175 HP D INCLUDING TRUCK AND 92' BOOM	213,025	69.23		13.53	30.13	11.76			32[illegible]
2345	MOD BPL1200 TRUCK MTD 147 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM	261,526	87.11		16.60	36.95	16.06			408[illegible]

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 8BCC 5" DEPTH OF CUT 8 HP G	1,628	1.53		0.10	0.22	0.86			3
2360	MOD 12WCC 5" DEPTH OF CUT 12 HP G	2,038	2.21		0.13	0.28	1.29			3
2365	MOD 14TCC 5" DEPTH OF CUT 14 HP G	2,017	2.48		0.13	0.28	1.50			3
2370	MOD 140MR 8" DEPTH OF CUT 14 HP G	4,524	3.11		0.29	0.63	1.50			6
2375	MOD 185MR 8" DEPTH OF CUT 18 HP G	5,742	3.98		0.36	0.79	1.93			7
2380	MOD 300MR 8" DEPTH OF CUT 30 HP G	6,499	5.86		0.41	0.89	3.22			7
2385	MOD 350MCA 10" DEPTH OF CUT 35 HP G	9,512	7.32		0.61	1.31	3.76			12
2390	MOD 665MCA 15" DEPTH OF CUT 65 HP G	12,781	12.39		0.82	1.77	6.98			14
	CRANES, SHOVEL,BACKHOE,DRAGLINE **********									
	AMERICAN - CRAWLER TYPE									
	MOD 4120 DRAGLINE 1 CY 93 HP D 13'-7" CRAWLERS W/28" SHOES									
2400	DRAGLINE OR CLAMSHELL (LESS BUCKET)	198,304	35.39	43.26	10.71	20.53	2.62	23.25	3.32	648
	MOD 597-C 1.25 CY T/C 114 HP D 14'-7" CRAWLERS W/32" SHOES									
2405	DRAGLINE OR CLAMSHELL (LESS BUCKET)	275,549	43.07	50.75	13.82	24.74	3.21	27.07	4.07	814
2410	CRANE 35-T W/65' BOOM	277,301	39.81	45.93	13.90	24.89	2.57	27.24	3.32	803
	MOD 599-A LIFTING CRANE T/C 114 HP D 16'-0" CRAWLERS W/32" SHOES									
2420	CRANE 50-T W/75' BOOM	302,091	43.10	49.69	15.15	27.12	2.57	29.68	3.32	962
	MOD 5299-A LIFTING CRANE T/C 125 HP D 17'-6" CRAWLERS W/36" SHOES									
2430	CRANE 50-T W/80' BOOM	315,068	45.12	52.04	15.80	28.29	2.82	30.95	3.64	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)	376,539	59.29	69.87	18.89	33.81	4.74	36.99	6.00	1278
2445	CRANE 40-T W/75' BOOM	368,536	53.36	61.63	18.48	33.08	3.79	36.20	4.90	1262
	MOD 7250 STEEL ERECTOR T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES									
2455	CRANE 60-T W/80' BOOM	390,366	52.13	58.92	18.59	31.48	3.79	33.71	4.90	1421
	MOD 7260 LIFTING CRANE T/C 168 HP D 19'-6" CRAWLERS W/38" SHOES									
2465	CRANE 100T W/200' BOOM	477,831	62.77	70.78	22.75	38.53	3.79	41.26	4.90	1886
	MOD 999-C STEEL ERECTOR T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES									
2475	CRANE 110-T W/200' BOOM	651,326	87.15	98.53	31.01	52.52	6.47	56.24	8.36	2792
	MOD 9260 4.5 CY T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES									
2485	CRANE 125T W/270' BOOM	679,890	90.62	102.40	32.37	54.82	6.47	58.71	8.36	3150
2490	DRAGLINE OR CLAMSHELL (LESS BUCKET)	654,912	94.94	109.39	31.18	52.81	8.09	56.55	10.25	2950
	MOD 9270 LIFT OR TAPERED TIP T/C 287 HP D 23'-9" CRAWLERS W/44" SHOES									
2500	CRANE 150T W/280' BOOM	736,155	97.46	110.04	35.04	59.35	6.47	63.57	8.36	3400
	MOD 9299 LIFTING CRANE T/C 287 HP D 24'-11" CRAWLERS W/44" SHOES									
2510	CRANE 165T W/290' BOOM	773,681	99.26	110.87	35.85	58.64	6.47	62.39	8.36	3580
	MOD 9310 LIFTING CRANE T/C 287 HP D 28'-2" CRAWLERS W/50" SHOES									
2520	CRANE 225T W/280' BOOM	812,187	103.81	115.86	37.64	61.78	6.47	65.48	8.36	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	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									
	MOD 25-B SER-3 HVY DUTY 1 CY 115 HP D 13'-11" CRAWLERS W/30" SHOES									
2535	DRAGLINE OR CLAMSHELL (LESS BUCKET)	210,057	38.09	46.61	11.34	21.74	3.24	24.63	4.11	647
2540	CRANE 28-T W/50' BOOM	214,687	31.55	36.50	10.77	19.27	2.59	21.09	3.35	651
	MOD 30-B SER 5 HVY DUTY 1.5 CY 144 HP D 14'-7" CRAWLERS W/36" SHOES									
2550	BACKHOE	272,224	59.07	75.17	15.74	31.92	4.74	37.52	6.23	792
2555	DRAGLINE OR CLAMSHELL (LESS BUCKET)	303,140	48.02	56.62	15.21	27.22	4.06	29.77	5.14	833
2560	CRANE 35-T W/60' BOOM	304,718	44.27	51.14	15.29	27.36	3.25	29.93	4.20	831
	MOD 38-B SER 2 HVY DUTY 2 CY T/C 178 HP D 17'-5" CRAWLERS W/36" SHOES									
2570	SHOVEL	386,410	82.79	105.32	22.33	45.30	5.86	53.25	7.70	1279
2575	DRAGLINE OR CLAMSHELL (LESS BUCKET)	396,632	62.47	73.64	19.89	35.61	5.02	38.96	6.36	1192
	MOD 61-B SER 2 3.25 CY T/C 205 HP D 15'-11" CRAWLERS W/33" SHOES									
2585	SHOVEL	553,175	106.36	130.16	29.86	57.26	6.74	64.85	8.86	1762
2590	BACKHOE	529,286	102.12	125.01	28.57	54.79	6.74	62.05	8.86	1727
2595	DRAGLINE OR CLAMSHELL (LESS BUCKET)	547,879	78.21	89.98	26.08	44.17	5.78	47.31	7.32	1570
2600	CRANE 51-T W/70' BOOM	535,825	70.84	79.95	25.51	43.20	4.62	46.27	5.97	1571
	MOD 61-B SER-2 110-T 4 CY T/C 243 HP D 20'-6" CRAWLERS W/42" SHOES									
2610	CRANE 110T W/160' BOOM	673,766	88.68	100.01	32.08	54.33	5.48	58.18	7.08	2123
2615	DRAGLINE OR CLAMSHELL (LESS BUCKET)	644,196	92.05	105.88	30.67	51.95	6.85	55.62	8.68	1973
	MOD 71-B SER 3 4.25 CY T/C 246 HP D 16'-10" CRAWLERS W/36" SHOES									
2625	SHOVEL	666,648	128.13	156.81	35.98	69.00	8.09	78.15	10.64	2096
2630	BACKHOE	630,479	121.72	149.01	34.03	65.26	8.09	73.91	10.64	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)	598,234	86.17	99.21	28.48	48.23	6.94	51.65	8.79	1820
	MOD 88-B SER 4 5.5 CY T/C 365 HP D 17'-10" CRAWLERS W/36" SHOES									
2645	SHOVEL	946,999	179.16	213.73	48.12	90.96	12.01	100.85	15.78	2822
2650	DRAGLINE OR CLAMSHELL (LESS BUCKET)	779,567	110.45	125.97	36.12	59.29	10.29	62.86	13.04	2274
	LINK BELT - CRAWLER TYPE									
	MOD LS-98A LIFTING CRANE T/C 110 HP D 15'-1" CRAWLERS W/24" SHOES									
2665	CRANE 40-T W/50' BOOM	208,695	30.63	35.42	10.47	18.74	2.48	20.50	3.21	772
	MOD LS-118 LIFTING CRANE T/C 165 HP D 17'-0" CRAWLERS W/30" SHOES									
2675	CRANE 60-T W/80' BOOM	329,164	44.59	50.52	15.67	26.54	3.72	28.43	4.81	1232
	MOD LS-338 LIFTING CRANE T/C 171 HP D 20'-0" CRAWLERS W/38" SHOES									
2685	CRANE 100-T W/200' BOOM	452,751	59.81	67.48	21.56	36.51	3.86	39.10	4.98	1512
	MOD LS-518 LIFTING CRANE T/C 245 HP D 24'-4" CRAWLERS W-44" SHOES									
2695	CRANE 150-T W/250' BOOM	680,160	89.51	100.95	32.38	54.84	5.53	58.73	7.14	2712
	MANITOWOC - CRAWLER TYPE									
	MOD 3900 VICON 3.5 CY T/C 287 HP D 20'-4" CRAWLERS W/38" SHOES									
2710	DRAGLINE OR CLAMSHELL (LESS BUCKET)	467,335	70.57	81.64	22.25	37.68	8.09	40.35	10.25	2306
2715	CRANE 100T W/210' BOOM	514,292	70.47	79.95	24.48	41.47	6.47	44.41	8.36	2354

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	CRANES, SHOVEL,B/H,DRAGLINE (CONT'D)									
	MANITOWOC - CRAWLER TYPE (CONT'D)									
	MOD 3900W VICON SER2 T/C 300 D 24'-0" CRAWLERS W/48" SHOES									
2730	CRANE 140T W/250' BOOM 300 HP D	607,538	82.18	93.05	28.92	48.98	6.77	52.46	8.74	2815
	MOD 4100W VICON SER1 5 CY T/C 360 HP D 26'-6" CRAWLERS W/48" SHOES									
2740	DRAGLINE OR CLAMSHELL (LESS BUCKET)	786,612	114.56	132.06	37.45	63.43	10.15	67.93	12.86	3788
2745	CRANE 200T W/260' BOOM	845,226	109.75	122.80	39.17	64.29	8.12	68.15	10.49	3929
	MOD 4600 VICON SERIES 3 7 CY T/C 685 HP D 26'-1" CRAWLERS W/60" SHOES									
2755	CRANE 240T W/260' BOOM	1,250,628	166.65	187.20	57.95	95.12	15.45	100.84	19.96	5200
2760	DRAGLINE OR CLAMSHELL (LESS BUCKET)	1,237,776	179.08	204.67	57.35	94.14	19.32	99.80	24.47	5100
	NORTHWEST - CRAWLER TYPE									
	MOD 50-D/5045 1.5 CY T/C 238 HP D 15'-4" CRAWLERS W/30" SHOES									
2775	DRAGLINE OR CLAMSHELL (LESS BUCKET)	280,395	47.96	56.87	14.07	25.18	6.71	27.54	8.50	954
2780	CRANE 45-T W/60' BOOM	277,250	43.17	50.27	13.90	24.89	5.37	27.23	6.94	947
	MOD 80-D 2.5 CY T/C 263 HP D 15'-10" CRAWLERS W/30" SHOES									
2790	SHOVEL	464,099	101.36	129.04	26.82	54.40	8.65	63.96	11.37	1510
2795	DRAGLINE OR CLAMSHELL (LESS BUCKET)	399,832	65.81	77.82	20.05	35.90	7.42	39.28	9.39	1274
2800	CRANE 40-T W/50' BOOM	393,232	59.22	68.67	19.73	35.31	5.93	38.62	7.66	1267
	MOD 9570-WT 4.0 CY T/C 304 HP D 19'-0" CRAWLERS W/38" SHOES									
2810	DRAGLINE OR CLAMSHELL (LESS BUCKET)	453,732	69.40	80.37	21.61	36.59	8.57	39.18	10.86	1580
2815	CRANE 60-T W/50' BOOM	447,111	62.78	71.45	21.28	36.05	6.86	38.61	8.86	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	750,458	147.51	180.81	40.50	77.68	11.78	87.98	15.48	2571
2830	DRAGLINE OR CLAMSHELL (LESS BUCKET)	650,647	96.83	111.85	30.97	52.46	10.10	56.18	12.79	2365
2835	CRANE 97.5-T W/170' BOOM	677,011	92.24	104.54	32.23	54.59	8.08	58.46	10.43	2464
	MOD 190-D WT SERIES 3 T/C 456 HP D 21'-1" CRAWLERS W/54" SHOES									
2845	DRAGLINE 6.5 CY (LESS BUCKET)	694,691	103.01	118.04	32.19	52.84	12.86	56.01	16.29	2740
2850	CRANE 100-T W/170' BOOM	731,807	101.59	115.45	34.84	59.00	10.29	63.19	13.29	2872
	P & H - CRAWLER TYPE									
	MOD 5060 1.75 CY T/C 140 HP D 19'-8" CRAWLERS W/30" SHOES									
2865	DRAGLINE (LESS BUCKET)	307,969	48.57	57.26	15.45	27.65	3.95	30.25	5.00	989
2870	CRANE 60-T W/80' BOOM	316,786	42.40	47.94	15.08	25.54	3.16	27.35	4.08	1157
	MOD 670WLC 2 CY T/C 198 HP D 18'-6" CRAWLERS W/30" SHOES									
2880	DRAGLINE OR CLAMSHELL (LESS BUCKET)	384,273	61.39	72.44	19.28	34.50	5.58	37.75	7.07	1344
2885	CRANE 70-T W/150' BOOM	399,071	54.01	61.16	19.00	32.18	4.47	34.46	5.77	1466
	MOD 5100 3 CY T/C 236 HP D 21'-6" CRAWLERS W/36" SHOES									
2890	DRAGLINE OR CLAMSHELL (LESS BUCKET)	462,264	68.16	78.67	22.01	37.27	6.66	39.92	8.43	1775
2895	CRANE 100-T W/210' BOOM	487,865	65.86	74.55	23.23	39.34	5.32	42.13	6.88	1850
	MOD 5300A LIFTING CRANE T/C 378 HP D 32'-8" CRAWLERS W/48" SHOES									
2900	CRANE 300-T W/320' BOOM	1,434,700	179.78	200.01	66.48	109.12	8.53	115.68	11.01	5588

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	CRANES, HYDRAULIC SELF-PROPELLED									
	GROVE									
2910	MOD RT58A 14 TON 112 HP D	110,737	20.39		5.32	9.51	4.00			410
2915	MOD RT515 15 TON 115 HP D	118,823	21.60		5.72	10.23	4.11			418
2920	MOD RT518 18 TON 115 HP D	134,421	23.84		6.45	11.52	4.11			452
2925	MOD RT522 22 TON 115 HP D	147,115	25.54		7.07	12.63	4.11			498
2930	MOD RT625 25 TON 156 HP D	195,947	33.55		9.42	16.86	5.57			560
2935	MOD RT740 40 TON 170 HP D	272,823	45.61		13.09	23.34	6.07			758
2940	MOD RT755 55 TON 170 HP D	325,119	53.06		15.57	27.72	6.07			839
2945	MOD RT865 65 TON 208 HP D	400,134	64.88		19.20	34.27	7.43			1100
2950	MOD RT980 80 TON 230 HP D	516,817	82.48		24.76	44.08	8.22			1320
2955	MOD RT1650 165 TON 512 HP D	975,687	159.20		46.75	83.26	18.29			2400
	LORAIN									
2965	MOD LRT150 15 TON 114 HP D	113,105	20.75		5.44	9.74	4.07			438
2970	MOD LRT180 18 TON 121 HP D	121,936	22.24		5.87	10.52	4.32			450
2975	MOD LRT330 33 TON 180 HP D	189,875	34.50		9.12	16.29	6.43			570
	P & H									
2985	MOD OMEGA 115 15 TON 125 HP D	123,026	22.62		5.92	10.60	4.46			436
2990	MOD OMEGA 118 18 TON 125 HP D	134,210	24.09		6.47	11.59	4.46			437
2995	MOD OMEGA 120 20 TON 128 HP D	142,605	25.32		6.87	12.32	4.57			438
3000	MOD OMEGA 122 22 TON 128 HP D	143,306	25.42		6.91	12.39	4.57			438
3005	MOD OMEGA 25 25 TON 155 HP D	178,697	31.51		8.61	15.43	5.54			540
3010	MOD OMEGA 30 30 TON 155 HP D	183,986	32.21		8.87	15.90	5.54			550
3015	MOD OMEGA 35 35 TON 155 HP D	190,247	33.03		9.17	16.45	5.54			560
3020	MOD OMEGA 40 40 TON 202 HP D	255,798	44.86		12.26	21.84	7.22			760
3025	MOD OMEGA 45 45 TON 202 HP D	264,817	46.26		12.68	22.55	7.22			770
3030	MOD OMEGA 50 50 TON 202 HP D	274,729	47.57		13.16	23.43	7.22			780
3035	MOD OMEGA 65 65 TON 235 HP D	353,406	59.99		16.94	30.15	8.39			980

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	CRANES, HYD SELF-PROPELLED (CONT'D)									
	PETTIBONE									
3045	MOD 16 MK P SERIES 8 TON 118 HP D	98,444	18.71		4.76	8.56	4.21			286
3050	MOD 20 MK P SERIES 10 TON 118 HP D	101,795	19.23		4.92	8.84	4.21			302
3055	MOD 25 MK P SERIES 12.5 TON 118 HP D	105,711	19.74		5.11	9.18	4.21			458
3060	MOD 36 MK P SERIES 18 TON 118 HP D	122,588	22.22		5.89	10.55	4.21			494
3065	MOD 60-SC P SERIES 30 TON 176 HP D	205,213	36.54		9.84	17.56	6.29			592
3070	MOD 80-SC P SERIES 40 TON 176 HP D	225,301	39.65		10.77	19.14	6.29			862
3075	MOD 100SC 50 TON 188 HP D	278,101	47.15		13.35	23.81	6.72			1050
	CRANES, HYDRAULIC TRUCK MOUNTED (HP & FUEL LISTED EQUIP/CARRIER)									
	BUCYRUS ERIE									
3085	30-XC 30 TON W/80' BOOM 130/210 HP D/D	206,552	32.10	37.15	9.63	16.71	6.16	17.94	7.87	552
3090	60-XC 60 TON W/104' BOOM 197/238 HP D/D	358,930	53.09	61.20	16.77	29.16	8.75	31.30	11.26	783
	GROVE									
3100	TMS185 18 TON W/106' BOOM 172 HP D	197,841	33.38	39.65	9.78	17.99	6.14	19.74	8.08	442
3105	TMS300 35 TON W/112' BOOM 203 HP D	238,876	37.35	43.59	11.14	19.32	7.25	20.74	9.54	705
3110	TMS475 50 TON W/142' BOOM 213 HP D	297,656	44.56	51.73	13.90	24.14	7.61	25.91	10.01	776
3115	TM875 80 TON W/146' BOOM 196/268 HP D/D	440,571	62.48	71.28	19.91	33.33	8.93	35.40	11.46	1200
3120	TM1150 115 TON W/172' BOOM 196/315 HP D/D	678,576	89.51	101.10	30.76	51.72	9.27	54.95	11.86	1600
3125	TM1400 140 TON W/173' BOOM 318/387 HP D/D	797,213	106.41	120.00	35.93	56.92	14.15	59.83	18.20	1880
	LINK BELT (FMC)									
3135	HTC-814 14 TON W/80' BOOM 216 HP D	182,465	33.68	40.36	9.00	16.54	7.72	18.15	10.15	482
3140	HTC-835 35 TON W/101' BOOM 216 HP D	206,521	33.93	39.87	9.65	16.77	7.72	18.01	10.15	525
3145	HTC-1055 55 TON W/120' BOOM 238 HP D	306,107	46.64	54.27	14.30	24.84	8.50	26.67	11.19	662

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	CRANES, HYDRAULIC TRUCK MTD (CONT'D)									
	(HP & FUEL LISTED EQUIP/CARRIER)									
	PETTIBONE									
3155	50TKLSPC 25 TON W/98' BOOM 210 HP D	194,529	34.84	41.62	9.61	17.67	7.50	19.39	9.87	500
3160	80TKLS 40 TON W/144' BOOM 244 HP D	247,911	40.21	47.16	11.57	20.07	8.72	21.55	11.47	740
3165	110 TK P 55 TON W/114' BOOM 238 HP D	267,815	42.21	49.36	12.50	21.70	8.50	23.30	11.19	825
3170	140 TK P 70 TON W/116' BOOM 322 HP D	336,173	53.32	62.10	15.22	25.54	11.50	27.13	15.13	1155
	CRANES, TRUCK MOUNTED									
	(HP & FUEL LISTED EQUIP/CARRIER)									
	AMERICAN									
3180	5470 65 TON W/170' BOOM 115/238 HP D/D	410,641	55.85	63.65	19.15	33.21	5.82	35.64	7.40	1175
3185	5530 75 TON W/170' BOOM 115/238 HP D/D	418,316	55.41	62.58	18.95	31.85	5.82	33.84	7.40	1245
3190	7460 90 TON W/200' BOOM 213/230 HP D/D	514,628	70.52	80.15	23.35	39.29	9.26	41.74	11.94	1503
3195	7530 125 TON W/220' BOOM 213/350 HP D/D	553,048	76.18	86.54	25.07	42.15	10.13	44.78	12.95	1696
3200	8460 165 TON W/240' BOOM 268/350 HP D/D	792,702	102.61	115.23	35.77	56.80	12.09	59.73	15.54	2320
3205	9530 220 TON W/260' BOOM 268/500 HP D/D	1,116,318	140.76	157.26	50.30	79.66	13.17	83.72	16.80	3480
	LINK BELT (FMC)									
3215	HC108C 50 TON W/150' BOOM 110/238 HP D/D	357,399	49.51	56.53	16.65	28.84	5.64	30.95	7.17	1197
3220	HC218A 100 TON W/220' BOOM 165/318 HP D/D	531,263	71.13	80.46	24.09	40.53	8.18	43.07	10.43	1688
3225	HC238B 140 TON W/230' BOOM 171/318 HP D/D	621,864	79.50	88.98	28.04	44.46	8.40	46.73	10.71	2220
	LORAIN									
3235	MC790 90 TON W/220' BOOM 210/270 HP D/D	486,691	67.75	77.13	22.06	37.09	9.45	39.41	12.14	1594
3240	MC1400 140 TON W/230' BOOM 220/290 HP D/D	593,459	78.40	88.23	26.74	42.37	9.95	44.54	12.78	1950
	P & H									
3250	325TC 25 TON W/110' BOOM 83/190 HP D/D	248,762	37.42	43.58	12.29	22.61	4.33	24.30	5.50	645
3255	430ATC 35 TON W/150' BOOM 86/210 HP D/D	277,596	38.30	43.72	12.96	22.54	4.58	24.21	5.81	763
3260	440TC 40 TON W/170' BOOM 90/228 HP D/D	310,522	42.63	48.61	14.49	25.17	4.86	27.03	6.15	964

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)									
3265	650ATC 50 TON W/150' BOOM 135/236 HP D/D	400,386	55.55	63.51	18.67	32.36	6.52	34.74	8.33	1222
3270	790BTC 90 TON W/200' BOOM 160/350 HP D/D	500,644	67.95	76.96	22.68	38.11	8.24	40.49	10.46	1606
3275	9150 150 TON W/270' BOOM 210/350 HP D/D	657,154	85.37	95.79	29.64	47.01	10.02	49.41	12.81	1805
3280	6250TC 300 TON W/320' BOOM 364/450 HP D/D	1,394,346	173.82	194.06	62.96	100.04	16.24	105.17	20.89	3928
	CRANES, TOWER									
	AMERICAN PECCO									
	MODEL SK135-2 FREE STANDING 60 HP E 7500# @ 132' RADIUS (L-2)									
3290	7-S16 TOWER SECTS=103 FT HIGH	274,087	43.78		13.41	21.28	3.62			740
	OPT. 14'9-1/4" S16 TOWER SECT									
3295	ADD TO BASIC CRANE FOR EA SECT	11,589	1.41		0.57	0.90	0.00			51
3300	TOP CLIMBING OPT. ADD TO BASIC	43,662	5.30		2.14	3.39	0.00			118
	MODEL SK200 FREE STANDING 105 HP E 10600# @ 143' RADIUS (L-2)									
3305	7-S16 TOWER SECTS=103 FT HIGH	344,395	56.39		16.86	26.74	6.33			883
	14'9-1/4" S16 TOWER SECTION									
3310	ADD TO BASIC CRANE FOR EA SECT	11,589	1.41		0.57	0.90	0.00			51
3315	TOP CLIMBING OPT. ADD TO BASIC	43,662	5.30		2.14	3.39	0.00			118
	MODEL SK400 FREE STANDING 105 HP E 18500# @ 162' RADIUS (L-2)									
3320	6-S35 TOWER SECTS=116 FT HIGH	420,807	65.67		20.60	32.67	6.33			1216
	OPT. 19'4-1/4" S35 TOWER SECT.									
3325	ADD TO BASIC CRANE FOR EA SECT	14,477	1.75		0.71	1.12	0.00			84
3330	TOP CLIMBING OPT. ADD TO BASIC	44,238	5.37		2.16	3.43	0.00			223

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	CRANES, TOWER (CONT'D)									
	AMERICAN PECCO (CONT'D)									
	MODEL SK560 FREE STANDING 165 HP E 24500# @ 170' RADIUS (L-2)									
3335	6-S213 TOWER SECTS=116 FT HIGH	486,677	79.09		23.82	37.79	9.95			1547
	OPT. 19'4-1/4" S213 TOWER SECT									
3340	ADD TO BASIC CRANE FOR EA SECT	15,338	1.86		0.75	1.19	0.00			100
3345	TOP CLIMBING OPT. ADD TO BASIC	86,059	10.45		4.21	6.68	0.00			252
	MODEL SN355 FREE STANDING 165 HP E 12300# @ 165' RADIUS (L-2) WITH LUFFING BOOM									
3350	6-S35 TOWER SECTS=116 FT HIGH	512,685	82.24		25.09	39.80	9.95			2152
	OPT. 19'4-1/4" S35 TOWER SECT									
3355	ADD TO BASIC CRANE FOR EA SECT	14,477	1.75		0.71	1.12	0.00			84
3360	TOP CLIMBING OPT. ADD TO BASIC	90,768	11.01		4.44	7.04	0.00			159
	DRILLS, BLAST HOLE, CRAWLER MTD									
	GARDNER DENVER									
3370	AT3100B/PR123J 3.0" HOLE 12' FEED 600CFM A	70,140	15.14		4.06	8.24	0.00			91
3375	AT3100B/PR55 3.5" HOLE 12' FEED 750CFM A	66,304	14.36		3.83	7.79	0.00			93
3380	AT3100B/PH66 4.0" HOLE 12' FEED 900CFM A	72,912	15.71		4.21	8.56	0.00			95
3385	AT3700A/PR66 ANGLE DRILL 900CFM A 4.0" HOLE 12' FEED	86,420	18.52		4.99	10.15	0.00			146
3390	ATD5100/PR80H ANGLE DRILL 1200CFM A 4.5" HOLE 20' FEED	97,310	20.81		5.63	11.44	0.00			200
	INGERSOLL-RAND									
3400	ECM350/VL140 3.5" HOLE 12' FEED 750CFM A	77,888	16.73		4.50	9.15	0.00			129
3405	ECM350/VL671 4.0" HOLE 12' FEED 900CFM A	84,955	18.23		4.91	9.98	0.00			131
3410	ECM 450Y 3.0" HOLE 12' FEED 100 HP D	117,168	29.46		6.77	13.77	4.42			188

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	DRILLS, BLAST HOLE, CRLR MTD (CONT'D)									
	SULLIVAN									
3420	MAVRICK/VCR350 2.5" HOLE 12' FEED 450CFM A	38,520	8.39		2.23	4.53	0.00			60
3425	RAM STD/VCR260 4.0" HOLE 12' FEED 800CFM A	68,131	14.74		3.94	8.00	0.00			100
3430	RAM EXT/VCR260 4.0" HOLE 12' FEED 800CFM A	80,071	17.18		4.62	9.40	0.00			144
3435	MUSTANG VCR280 5.0" HOLE 20' FEED1200CFM A	98,951	21.16		5.72	11.63	0.00			184
3440	STALLION JH-6 5.5" HOLE 20' FEED 165 HP D	213,758	52.79		12.36	25.12	7.29			300
	DRILLS, CORE, AIR, COLUMN MOUNTED									
3450	LONGYEAR 24 WOLVERINE AX 700' 450CFM A	17,574	3.91		1.02	2.07	0.00			12
3455	LONGYEAR 65D EX 600' 400CFM A	11,302	2.63		0.66	1.33	0.00			3
3460	65D ROD PULLER 21" STROKE 400CFM A	1,681	0.59		0.09	0.19	0.00			1
	DRILLS, CORE, SKID MOUNTED									
	ACKER									
3470	TEREDO MARK-II NX 1000' MAX 44 HP D	29,563	8.46		1.71	3.47	1.94			40
3475	ACE MODEL C NX 725' MAX 20 HP D	20,039	5.20		1.16	2.36	0.88			45
	LONGYEAR									
3485	MOD 24 STD AX 675' MAX 12 HP G	16,721	4.75		0.96	1.96	1.15			17
3490	MOD 34 NX 1000' MAX 31 HP G	25,399	8.62		1.47	2.98	2.96			38
3495	MOD 34 NX 1000' MAX 40 HP D	30,292	8.39		1.75	3.56	1.77			39
3500	MOD 38 NX 1800' MAX 54 HP D	34,863	10.10		2.02	4.10	2.39			41
3505	MOD 44 NX 2500' MAX 60 HP D	41,812	11.85		2.41	4.91	2.65			56
	SPRAGUE AND HENWOOD									
3515	MOD 37-H NX 400' MAX 18 HP G	17,633	5.61		1.02	2.07	1.72			18
3520	MOD 40-CL NX 1050' MAX 49 HP D	27,307	8.26		1.57	3.20	2.16			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									
3530	MOD DM-25 6 3/4" DRILLMASTER 210 HP D CRWL. MOUNTED	242,900	48.77		12.17	21.84	9.28			500
3535	MOD T4-BH 7-7/8" DRILLMASTER 304 HP D TRK. MOUNTED	319,947	67.01		15.97	28.51	13.43			550
3540	MOD TH-60 WATER WELL DRILL 435 HP D TRK. MOUNTED	297,616	71.37		14.87	26.58	19.22			460
	ROBBINS									
3550	RRT 35 TK MTD 6-1/4" TO 8-0" 335/225 HP D/D	327,732	72.16		16.37	29.23	16.42			600
3555	RRT 50 TK MTD 6-3/4" TO 9-0" 335 HP D	476,420	92.51		23.78	42.45	14.80			860
3560	RRT 60 TK MTD 6-3/4" TO 9-7/8" 350 HP D	538,946	102.68		26.91	48.07	15.46			960
3565	RR1DS MTD ON D9H 6-3/4" - 9-0" 410 HP D	390,990	82.87		19.60	35.16	18.11			1160
3570	RR10HD ON D9H 6-3/4" - 10-5/8" 410 HP D	453,726	92.16		22.74	40.80	18.11			1340
3575	RR10XHD ON 41B 9-7/8" - 12-1/4" 524 HP D	627,432	105.68		29.04	47.77	23.15			1830
3580	RR12E CRLR MTD 9-0" TO 12-1" 725/450 HP E/E	1,156,316	204.95		53.52	88.04	61.14			2605
	FORK LIFTS									
	CATERPILLAR									
	LC = LOAD CENTER									
3600	M20 ELECT 2000# @ 24" LC 18 HP E	16,186	4.62		0.93	1.87	1.09			54
3605	M25 ELECT 2500# @ 24" LC 18 HP E	16,274	4.63		0.94	1.88	1.09			54
3610	MC30 ELECT 3000# @ 24" LC 18 HP E	16,940	4.75		0.97	1.94	1.09			85
3615	M40B ELECT 4000# @ 24" LC 32 HP E	23,526	7.20		1.35	2.71	1.93			95
3620	M50B ELECT 5000# @ 24" LC 32 HP E	23,978	7.28		1.37	2.76	1.93			102
3625	MC60B ELECT 6000# @ 24" LC 47 HP E	26,342	9.03		1.51	3.04	2.83			123
3630	M70B ELECT 7000# @ 24" LC 53 HP E	32,739	10.77		1.87	3.76	3.20			134
3635	M80B ELECT 8000# @ 24" LC 53 HP E	34,244	11.05		1.96	3.95	3.20			142
3640	M100B ELECT 10000# @ 24" LC 53 HP E	36,093	11.39		2.08	4.19	3.20			160
3645	V30D GAS 3000# @ 24" LC 37 HP G	15,621	6.48		0.90	1.81	2.88			37

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	FORK LIFTS (CONT'D)									
	CATERPILLAR (CONT'D)									
3650	V40C GAS 4000# @ 24" LC 48 HP G	20,831	8.55		1.19	2.38	3.74			41
3655	V50C GAS 5000# @ 24" LC 48 HP G	21,256	8.67		1.21	2.39	3.74			45
3660	V60E GAS 6000# @ 24" LC 63 HP G	29,446	11.62		1.69	3.38	4.91			52
3665	V70E GAS 7000# @ 24" LC 63 HP G	29,760	11.68		1.70	3.42	4.91			56
3670	V80E GAS 8000# @ 24" LC 63 HP G	30,945	11.89		1.77	3.55	4.91			59
3675	V110 DIESEL 11000# @ 24" LC 66 HP D	44,542	11.29		2.55	5.11	2.36			82
3680	V150 DIESEL 15000# @ 24" LC 70 HP D	47,946	12.09		2.74	5.51	2.50			92
3685	V180B DIESEL 18000# @ 24" LC 125 HP D	63,552	17.51		3.61	7.20	4.46			114
3690	V200B DIESEL 20000# @ 24" LC 125 HP D	69,232	18.57		3.94	7.87	4.46			124
3695	V250B DIESEL 25000# @ 24" LC 125 HP D	70,965	18.90		4.04	8.07	4.46			154
3700	V300B DIESEL 30000# @ 24" LC 125 HP D	79,687	20.58		4.53	9.03	4.46			165
3705	R40 DIESEL 4000# @ 24" LC 68 HP D	27,559	8.21		1.57	3.13	2.43			107
3710	R50 DIESEL 5000# @ 24" LC 68 HP D	28,218	8.32		1.60	3.20	2.43			112
3715	R60 DIESEL 6000# @ 24" LC 68 HP D	34,167	9.44		1.95	3.91	2.43			128
3720	R80 DIESEL 8000# @ 24" LC 68 HP D	35,456	9.74		2.01	3.97	2.43			138
	HYSTER - CHALLENGER									
3730	H30XL 3000# @ 24" LC 63 HP G	16,008	9.11		0.91	1.81	4.91			58
3735	H60XL 6000# @ 24" LC 80 HP G	23,054	12.07		1.32	2.63	6.23			91
3740	H110F 11000# @ 24" LC 116 HP G	45,463	19.73		2.61	5.24	9.03			163
3745	H150H 15000# @ 24" LC 127 HP G	62,054	23.98		3.53	7.03	9.89			234
3750	H200HS20000# @ 24" LC PS 127 HP G	72,668	25.96		4.14	8.27	9.89			256
3755	H250H 25000# @ 24" LC PS 127 HP G	72,793	25.99		4.13	8.24	9.89			295
3760	H300B 30000# @ 24" LC PS 127 HP G	78,622	27.06		4.48	8.97	9.89			360
3765	H460CS46000# @ 36" LC PS 190 HP G	162,337	48.90		9.25	18.52	14.80			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	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									
3780	MOD 3304B-T 240/480V 100 KW 148 HP D	16,491	10.16	12.89	1.06	2.36	5.29	2.61	6.96	37
3785	MOD 3306B-T 240/480V 125 KW 187 HP D	21,623	12.99	16.48	1.38	3.09	6.68	3.42	8.79	46
3790	MOD 3306B-TA 240/480V 150 KW 220 HP D	23,323	14.83	18.85	1.49	3.33	7.86	3.70	10.34	48
3795	MOD 3406B-T 240/480V 200 KW 290 HP D	25,021	18.30	23.36	1.60	3.57	10.36	3.96	13.63	57
3800	MOD 3406B-TA 240/480V 250 KW 370 HP D	28,651	22.64	28.97	1.84	4.10	13.22	4.54	17.39	59
3805	MOD 3408B-T 240/480V 255 KW 370 HP D	33,999	23.80	30.35	2.18	4.86	13.22	5.39	17.39	77
3810	MOD 3408B-TA 240/480V 310 KW 450 HP D	37,937	28.19	36.04	2.42	5.41	16.07	6.01	21.15	81
3815	MOD 3412-T 240/480V 355 KW 500 HP D	45,889	32.14	41.00	2.93	6.55	17.86	7.27	23.50	91
3820	MOD 3412-TA 240/480V 455 KW 650 HP D	62,372	42.37	54.00	3.98	8.90	23.22	9.88	30.55	102
3825	MOD 3508 240/480V 600 KW 845 HP D	83,126	55.53	70.73	5.31	11.87	30.18	13.17	39.71	140
3830	MOD 3512 240/480V 900 KW 1250 HP D	113,036	80.00	102.07	7.23	16.15	44.65	17.91	58.75	202
3835	MOD 3516 480V 1100 KW 1450 HP D	148,628	96.59	122.93	9.49	21.22	51.79	23.55	68.15	256
	KOHLER									
3845	2.25MBM25 PORTABLE 2.25 KW 5 HP G	816	0.66	0.84	0.05	0.12	0.39	0.13	0.51	1
3850	3.5MM65 PORTABLE 3.50 KW 8 HP G	1,283	1.06	1.33	0.09	0.19	0.62	0.20	0.81	2
3855	5MM65 PORTABLE 5.00 KW 12 HP G	1,668	1.52	1.94	0.11	0.24	0.93	0.26	1.22	2
	ONAN									
	SKID MOUNTED									
3870	120/240V 2.5 KW 6 HP G	1,472	0.90	1.15	0.10	0.21	0.47	0.24	0.61	2
3875	120/240V 6.5 KW 14 HP G	3,317	2.07	2.62	0.21	0.47	1.09	0.53	1.42	3
3880	120/240V 10.0 KW 20 HP G	3,624	2.72	3.46	0.24	0.52	1.56	0.58	2.03	4
3885	120/240V 3.0 KW 6 HP D	3,838	1.09	1.34	0.24	0.54	0.21	0.61	0.28	4
3890	120/240V 6.0 KW 12 HP D	5,095	1.64	2.01	0.33	0.73	0.43	0.80	0.56	5
3895	120/240V 12.0 KW 22 HP D	7,334	2.58	3.17	0.47	1.05	0.79	1.16	1.03	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)									
3900	120/240V 15 KW 27 HP D	7,505	2.82	3.51	0.48	1.07	0.96	1.19	1.27	14
3905	120/240V 30 KW 63 HP D	11,136	5.22	6.54	0.71	1.59	2.25	1.76	2.96	19
3910	120/240V 45 KW 87 HP D	14,725	7.07	8.87	0.94	2.10	3.11	2.33	4.09	25
3915	120/240V 60 KW 102 HP D	16,929	8.20	10.32	1.09	2.42	3.64	2.69	4.79	26
3920	120/240V 75 KW 162 HP D	20,147	11.57	14.65	1.29	2.88	5.79	3.19	7.61	30
3925	120/240V 90 KW 162 HP D	21,111	11.77	14.90	1.35	3.01	5.79	3.35	7.61	30
3930	120/240V 125 KW 210 HP D	24,401	14.62	18.55	1.56	3.49	7.50	3.87	9.87	50
3935	120/240V 150 KW 276 HP D	28,906	18.53	23.55	1.85	4.13	9.86	4.58	12.97	65
	OVERLOWE									
3945	KP2250R PORTABLE 2.25 KW 5 HP G	914	0.68	0.86	0.06	0.13	0.39	0.14	0.51	1
3950	KP3000R PORTABLE 3.00 KW 7 HP G	995	0.89	1.14	0.07	0.14	0.55	0.16	0.71	2
3955	KP3750BIC PORTABLE 3.75 KW 8 HP G	1,399	1.07	1.36	0.09	0.20	0.62	0.22	0.81	2
3960	KP5000BIC PORTABLE 5.00 KW 10 HP G	1,770	1.36	1.71	0.12	0.26	0.78	0.28	1.01	2
3965	KP6500BICB PORTABLE 6.50 KW 16 HP G	1,856	1.96	2.49	0.12	0.27	1.25	0.29	1.62	3
3970	KP7500BICB PORTABLE 7.50 KW 16 HP G	1,756	1.93	2.47	0.12	0.25	1.25	0.28	1.62	3
	GRADERS, MOTOR									
	CATERPILLAR									
3985	MOD 120-G POWER SHIFT ARTIC 125 HP D	104,393	21.42	26.67	5.62	10.31	4.11	11.61	5.40	272
3990	MOD 130-G POWER SHIFT ARTIC 135 HP D	119,819	24.17	30.06	6.45	11.85	4.44	13.35	5.84	293
3995	MOD 12-G POWER SHIFT ARTIC 135 HP D	129,194	25.61	31.81	6.96	12.78	4.44	14.39	5.34	315
4000	MOD 140-G POWER SHIFT ARTIC 150 HP D	131,465	26.66	33.17	7.08	12.98	4.93	14.61	6.49	318
4005	MOD 14-G POWER SHIFT ARTIC 180 HP D	185,392	36.42	45.29	9.93	18.12	5.92	20.40	7.78	441
4010	MOD 16-G POWER SHIFT ARTIC 250 HP D	266,119	52.02	64.64	14.25	25.96	8.22	29.20	10.81	531

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												
4020	MOD 710A	ARTICULATED	135 HP	D	100,217	21.28	26.56	5.38	9.85	4.44	11.09	5.84	286
4025	MOD 720A	ARTICULATED	152 HP	D	119,823	25.01	31.18	6.43	11.78	5.00	13.27	6.57	335
4030	MOD 730A	ARTICULATED	180 HP	D	123,387	26.78	33.46	6.63	12.14	5.92	13.67	7.78	340
4035	MOD 740A	ARTICULATED	210 HP	D	135,557	29.94	37.43	7.30	13.37	6.91	15.05	9.08	345
4040	MOD 710	NON-ARTICULATED	135 HP	D	94,235	20.39	25.47	5.06	9.25	4.44	10.42	5.84	280
4045	MOD 720	NON-ARTICULATED	152 HP	D	104,337	22.69	28.35	5.60	10.23	5.00	11.51	6.57	315
4050	MOD 730	NON-ARTICULATED	180 HP	D	112,717	25.18	31.51	6.05	11.07	5.92	12.46	7.78	330
4055	MOD 740	NON-ARTICULATED	210 HP	D	127,785	28.77	36.02	6.87	12.58	6.91	14.18	9.08	345
4060	MOD 760	NON-ARTICULATED	210 HP	D	146,046	31.85	39.83	7.80	14.17	6.91	15.94	9.08	390
	FIAT-ALLIS												
4070	MOD-65B	DIRECT DRIVE	68 HP	D	56,079	11.56	14.39	3.02	5.54	2.24	6.24	2.94	135
4075	MOD-FG75	POWER SHIFT	130 HP	D	87,427	19.12	23.89	4.70	8.59	4.28	9.67	5.62	300
4080	MOD-FG85	POWER SHIFT	145 HP	D	94,067	20.82	26.04	5.04	9.22	4.77	10.38	6.27	310
4085	MOD-FG95	POWER SHIFT	160 HP	D	100,663	22.61	28.32	5.38	9.78	5.26	11.01	6.92	330
	GALION												
4095	MOD 503-L	CONSTANT MESH	68 HP	G	46,884	13.01	16.31	2.53	4.64	4.89	5.22	6.34	115
4100	MOD T-500C	POWER SHIFT	145 HP	D	99,696	21.59	26.96	5.36	9.83	4.77	11.07	6.27	281
4105	MOD A-550	POWER SHIFT	175 HP	D	134,441	28.21	35.16	7.23	13.27	5.76	14.95	7.57	320
4110	MOD A-600	POWER SHIFT	197 HP	D	139,425	29.93	37.34	7.51	13.78	6.48	15.51	8.52	323
	HOISTS												
	BEEBE - AIR TUGGERS												
4120	2000P110-24	1.0 T 225 CFM RQD			6,022	1.28		0.35	0.71	0.00			5
4125	5000P120-24	2.5 T 500 CFM RQD			9,622	2.08		0.56	1.13	0.00			16
4130	10000P 50-24	5.0 T 500 CFM RQD			11,633	2.58		0.67	1.36	0.00			22
4135	20000P 50-40	10.0 T 850 CFM RQD			30,130	6.31		1.74	3.53	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	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	71,062	18.35		4.11	8.33	3.57			35
4150	G-70 DOUBLE DRUM W/7/8" CABLE 100 HP D	96,019	23.25		5.55	11.26	3.57			126
4155	RB-80 DOUBLE DRUM W/1-1/8" CABLE 130 HP D	147,632	34.67		8.53	17.30	4.64			240
4160	RB-90WDOUBLE DRUM W/1-3/8" CABLE 150 HP D	164,365	38.86		9.50	19.27	5.36			300
	HYDRAULIC EXCAVATOR, CRAWLER MOUNTED T/B = TELESCOPING BOOM B/H = BACKHOE									
	BADGER (HOPTO)									
4180	MOD 211 1.25 CY B/H 160 HP D	161,690	38.01	48.50	9.35	18.96	5.26	22.28	6.92	530
4185	MOD 311 1.88 CY B/H 235 HP D	232,232	54.82	69.94	13.42	27.23	7.73	32.01	10.16	745
4190	MOD 900B 2.00 CY B/H 308 HP D	279,787	67.01	85.55	16.17	32.80	10.13	38.56	13.32	1015
4195	MOD 1900 5.00 CY B/H 616 HP D	583,953	128.32	158.49	31.51	60.44	20.27	68.45	26.64	2050
	BUCYRUS ERIE									
4205	MOD 300-H 1.00 CY B/H 176 HP D	180,324	47.45	63.88	11.39	23.91	5.79	29.69	7.61	546
4210	MOD 325-H 1.75 CY B/H 205 HP D	249,108	56.93	72.57	14.40	29.20	6.74	34.33	8.86	774
4215	MOD 350-H 2.50 CY B/H 248 HP D	313,517	71.25	90.82	18.11	36.75	8.16	43.21	10.72	1000
4220	MOD 400-H 4.25 CY B/H 392 HP D	525,209	108.91	134.00	28.34	54.36	12.90	61.57	16.95	1575
	CASE									
4230	MOD 880C "E" BOOM .63 CY B/H 115 HP D	106,365	28.49	38.34	6.71	14.10	3.78	17.51	4.97	310
4235	MOD 980B 1.00 CY B/H 165 HP D	131,275	36.21	48.71	8.29	17.40	5.43	21.62	7.13	445
4240	MOD 1280 1.25 CY B/H 200 HP D	151,969	37.69	48.17	8.78	17.81	6.58	20.95	8.65	505
	CATERPILLAR									
4250	MOD 215B .75 CY B/H 105 HP D	116,539	30.26	40.77	7.36	15.45	3.45	19.19	4.54	387
4255	MOD 225 1.00 CY B/H 135 HP D	157,249	40.54	54.61	9.93	20.85	4.44	25.89	5.84	504
4260	MOD 235 1.50 CY B/H 195 HP D	288,711	64.30	81.91	16.68	33.84	6.42	39.79	8.43	891

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									
	CATERPILLAR (CONT'D)									
4265	MOD 245 2.50 CY B/H 325 HP D	448,914	100.84	128.48	25.95	52.63	10.69	61.86	14.05	1385
	GRADALL									
4280	MOD G-660 .63 CY T/B 115 HP D	157,744	39.74	53.55	9.96	20.92	3.78	25.97	4.97	450
4285	MOD G-660C .88 CY T/B 145 HP D	165,236	42.74	57.57	10.44	21.91	4.77	27.21	6.27	452
4290	MOD G-880C 1.00 CY T/B 145 HP D	196,823	49.64	66.92	12.43	26.09	4.77	32.41	6.27	536
4295	MOD G-1000 1.25 CY T/B 272 HP D	265,895	62.87	80.22	15.37	31.17	8.95	36.64	11.76	787
	INSLEY									
4310	MOD H1000C 1.25 CY B/H 180 HP D	149,721	36.46	46.57	8.66	17.56	5.92	20.63	7.78	517
4315	MOD H2500C 2.25 CY B/H 290 HP D	269,894	64.36	82.17	15.60	31.64	9.54	37.20	12.54	931
4320	MOD H3500C 3.50 CY B/H 390 HP D	379,419	82.96	102.43	20.48	39.27	12.83	44.48	16.86	1276
	JOHN DEERE									
4330	MOD 490 .50 CY B/H 75 HP D	73,027	19.39	26.09	4.61	9.68	2.47	12.03	3.24	265
4335	MOD 690 C .875 CY B/H 125 HP D	104,416	28.52	38.36	6.60	13.85	4.11	17.19	5.40	400
4340	MOD 790 1.00 CY B/H 155 HP D	135,180	36.62	49.27	8.54	17.93	5.10	22.26	6.70	510
4345	MOD 890 A 1.875 CY B/H 210 HP D	222,871	51.98	66.32	12.88	26.12	6.91	30.72	9.08	880
4350	MOD 990 2.125 CY B/H 260 HP D	251,515	59.57	76.03	14.53	29.48	8.55	34.66	11.24	912
	KOEHRING									
4360	MOD 166 BANTAM .88 CY B/H 108 HP D	117,806	30.68	41.31	7.44	15.62	3.55	19.39	4.67	374
4365	MOD 266 BANTAM 1.13 CY B/H 143 HP D	156,783	36.38	46.40	9.06	18.38	4.70	21.60	6.18	514
4370	MOD 366 BANTAM 1.25 CY B/H 210 HP D	188,553	45.25	57.79	10.90	22.10	6.91	25.99	9.08	612
4375	MOD 566 1.50 CY B/H 240 HP D	274,790	63.35	80.79	15.88	32.21	7.90	37.87	10.38	834
4380	MOD 666E 2.00 CY B/H 307 HP D	342,056	79.18	100.97	19.77	40.10	10.10	47.14	13.27	1075
4385	MOD 866E 3.25 CY B/H 332 HP D	439,865	91.35	112.42	23.74	45.53	10.92	51.56	14.36	1306
4390	MOD 1066E 4.00 CY B/H 420 HP D	546,619	113.82	140.10	29.50	56.57	13.82	64.08	18.16	1640

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)									
4395	MOD 1166E 5.00 CY B/H 464 HP D	608,773	126.63	155.82	32.85	63.01	15.27	71.37	20.06	1890
4400	MOD 1266 5.50 CY B/H 664 HP D	886,214	180.82	217.30	45.03	85.12	21.85	94.38	28.71	2600
4405	MOD 1466 9.00 CY B/H 832 HP D	1,034,903	213.46	256.80	52.59	99.40	27.37	110.22	35.98	2900
	KOMATSU									
4415	MOD PC 120-2 .65 CY B/H 90 HP D	73,879	20.25	27.24	4.66	9.79	2.96	12.16	3.89	256
4420	MOD PC 200 LC-2 1.05 CY B/H 105 HP D	115,056	26.70	34.06	6.65	13.49	3.45	15.86	4.54	448
4425	MOD PC 220 LC-2 1.31 CY B/H 136 HP D	147,508	34.28	43.74	8.52	17.29	4.47	20.33	5.88	514
4430	MOD PC 300 LC-2 1.73 CY B/H 180 HP D	182,012	42.79	54.59	10.52	21.34	5.92	25.08	7.78	690
4435	MOD PC 650-1 3.00 CY B/H 410 HP D	434,533	101.38	129.34	25.11	50.94	13.49	59.89	17.73	1433
	UNIT									
4445	MOD H202CT SER II 1.25 CY B/H 152 HP D	148,019	35.02	44.69	8.55	17.35	5.00	20.40	6.57	475
4450	MOD H342 1.63 CY B/H 228 HP D	239,461	55.94	71.37	13.84	28.07	7.50	33.00	9.86	723
4455	MOD H471 1.75 CY B/H 304 HP D	296,253	70.08	89.44	17.12	34.73	10.00	40.83	13.14	972
	HYDRAULIC EXCAVATOR, TRUCK MOUNTED									
	(HP & FUEL LISTED EQUIP/CARRRIER) T/B = TELESCOPING BOOM B/H = BACKHOE									
	GRADALL									
4465	MOD G-660C .88 CY T/B 145/210 HP D/G	182,108	33.54	40.13	9.00	16.54	7.66	18.15	10.04	422
4470	MOD G-880C 1.00 CY T/B 145/210 HP D/D	221,043	37.16	43.83	10.91	20.05	6.69	22.01	8.58	535
4475	MOD G-1000 1.25 CY T/B 272/312 HP D/D	289,391	49.06	57.45	13.51	23.48	11.96	25.21	15.40	726

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
	LAND CLEARING EQUIPMENT ********** (ADD TO TRACTOR)									
4485	FLECO LAND CLEARING RAKE FOR 123/235 D/G	18,402	3.68	4.64	1.07	2.17	0.00	2.55	0.00	67
4490	FLECO LAND CLEARING RAKE FOR 160/210 D/D	24,155	4.81	6.06	1.39	2.84	0.00	3.34	0.00	98
4495	FLECO LAND CLEARING RAKE FOR 272/312 D/D	35,851	7.14	8.98	2.08	4.23	0.00	4.96	0.00	138
4500	FLECO CLAMP RAKE FOR CAT 973 (ADD TO 977 LOADER)	18,469	3.83	4.77	1.07	2.18	0.00	2.55	0.00	58
	LIGHTING SETS, TRAILER MOUNTED **********									
	ALLMAND METALLIC VAPOR									
4510	MAXI-LITE III 4/1000W 15 HP D	13,709	5.18		0.86	1.77	0.70			29
	OVER-LOWE METALLIC VAPOR									
4520	TM 352 2/1000W 3 KW 6 HP D	10,881	3.77		0.68	1.40	0.28			17
4525	TM 354 4/1000W 6 KW 12 HP D	14,381	5.21		0.89	1.85	0.56			22
4530	TM 356 6/1000W 8 KW 15 HP D	16,933	6.20		1.06	2.20	0.70			24
	LOADERS, BELT **********									
	KOLMAN									
4540	101XHD 24"X50' 355 T/HR 28 HP D	29,469	7.88	10.30	1.66	3.17	1.00	3.69	1.32	116
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4550	PLATE FEEDER DOZER TRAP MODEL 45	5,332	1.08	1.36	0.31	0.61	0.00	0.70	0.00	37
4555	BELT FEEDER DOZER TRAP MODEL 65	6,586	1.33	1.68	0.38	0.75	0.00	0.87	0.00	36
4560	WING WALLS STATIONARY	1,231	0.25	0.31	0.07	0.14	0.00	0.16	0.00	9
4565	TUNNEL EXTENSION W/WING WALLS	6,013	1.22	1.54	0.35	0.69	0.00	0.80	0.00	61
4570	SINGLE DECK SCREEN SB-70 7'X42	5,257	1.07	1.35	0.31	0.60	0.00	0.70	0.00	19
4575	DOUBLE DECK SCREEN DC-70-42 7'X42	5,410	1.30	1.64	0.37	0.73	0.00	0.85	0.00	27
4580	TRIPLE DECK SCREEN TC-70-42 7'X42	9,311	1.88	2.38	0.54	1.06	0.00	1.23	0.00	34
4585	XHD CONVEYOR JACKLEG	834	0.16	0.21	0.05	0.09	0.00	0.11	0.00	9

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES 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
	LOADERS, BELT (CONT'D)									
	KOLMAN (CONT'D)									
4590	101XHD 30"X50' 615 T/HR 42 HP D	31,878	9.14	12.01	1.79	3.41	1.50	3.97	1.97	135
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4600	PLATE FEEDER DOZER TRAP MODEL 45	6,320	1.28	1.62	0.37	0.72	0.00	0.84	0.00	42
4605	BELT FEEDER DOZER TRAP MODEL 65	6,976	1.41	1.79	0.40	0.79	0.00	0.93	0.00	40
4610	WING WALLS STATIONARY	1,231	0.25	0.31	0.07	0.14	0.00	0.16	0.00	9
4615	TUNNEL EXTENSION W/WING WALLS	6,013	1.22	1.54	0.35	0.69	0.00	0.80	0.00	61
4620	SINGLE DECK SCREEN SB-80 8'X48	5,996	1.21	1.54	0.35	0.68	0.00	0.80	0.00	23
4625	DOUBLE DECK SCREEN DC-80-48 8'X48	8,321	1.69	2.12	0.49	0.95	0.00	1.10	0.00	35
4630	TRIPLE DECK SCREEN TC-80-48 8'X48	10,410	2.10	2.66	0.60	1.18	0.00	1.38	0.00	43
4635	XHD CONVEYOR JACKLEG	834	0.16	0.21	0.05	0.09	0.00	0.11	0.00	9
4640	101XHD 36"X50' 910 T/HR 56 HP D	36,646	11.02	14.53	2.05	3.89	2.00	4.53	2.63	160
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4650	PLATE FEEDER DOZER TRAP MODEL 45	6,689	1.35	1.71	0.39	0.76	0.00	0.89	0.00	45
4655	BELT FEEDER DOZER TRAP MODEL 65	7,468	1.50	1.91	0.43	0.84	0.00	0.99	0.00	42
4660	WING WALLS STATIONARY	1,231	0.25	0.31	0.07	0.14	0.00	0.16	0.00	9
4665	TUNNEL EXTENSION W/WING WALLS	6,013	1.22	1.54	0.35	0.69	0.00	0.80	0.00	61
4670	SINGLE DECK SCREEN SB-90 9'X54	6,949	1.40	1.77	0.40	0.78	0.00	0.92	0.00	28
4675	DOUBLE DECK SCREEN DC-90-54 9'X54	9,950	2.01	2.54	0.58	1.13	0.00	1.32	0.00	43
4680	TRIPLE DECK SCREEN TC-90-54 9'X54	12,770	2.58	3.26	0.74	1.45	0.00	1.69	0.00	54
4685	XHD CONVEYOR JACKLEG	834	0.16	0.21	0.05	0.09	0.00	0.11	0.00	9
4690	101XHD 42"X50' 1260 T/HR 84 HP D	47,370	14.89	19.67	2.65	5.01	3.00	5.83	3.95	180
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4700	PLATE FEEDER DOZER TRAP MODEL 45	7,829	1.58	2.00	0.46	0.89	0.00	1.04	0.00	48
4705	BELT FEEDER DOZER TRAP MODEL 65	10,250	2.07	2.62	0.59	1.16	0.00	1.36	0.00	45
4710	WING WALLS STATIONARY	1,231	0.25	0.31	0.07	0.14	0.00	0.16	0.00	9
4715	TUNNEL EXTENSION W/WING WALLS	6,013	1.22	1.54	0.35	0.69	0.00	0.80	0.00	61
4720	SINGLE DECK SCREEN SB-100 60"X10'	8,975	1.81	2.29	0.52	1.02	0.00	1.19	0.00	37

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	LOADERS, BELT (CONT'D)									
	KOLMAN (CONT'D)									
4725	DOUBLE DECK SCREEN DC-100 60"X10'	11,486	2.32	2.93	0.66	1.30	0.00	1.52	0.00	55
4730	TRIPLE DECK SCREEN TC-100 60"X10'	17,765	3.59	4.55	1.03	2.02	0.00	2.36	0.00	68
4735	XHD CONVEYOR JACKLEG	834	0.16	0.21	0.05	0.09	0.00	0.11	0.00	9
4740	101XHD 48"X50' 1700 T/HR 128 HP D	83,540	23.77	30.80	4.75	9.14	4.57	10.67	6.02	265
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4750	PLATE FEEDER DOZER TRAP MODEL 45	11,395	2.30	2.92	0.66	1.29	0.00	1.52	0.00	51
4755	WING WALLS STATIONARY	1,231	0.25	0.31	0.07	0.14	0.00	0.16	0.00	9
4760	TUNNEL EXTENSION W/WING WALLS	6,369	1.28	1.62	0.37	0.72	0.00	0.84	0.00	66
4765	SINGLE DECK SCREEN SB-120 60"X12'	10,582	2.14	2.70	0.62	1.20	0.00	1.40	0.00	53
4770	DOUBLE DECK SCREEN DC-120 60"X12'	15,539	3.14	3.97	0.90	1.76	0.00	2.06	0.00	77
4775	TRIPLE DECK SCREEN TC-120 60"X12'	21,964	4.44	5.61	1.27	2.49	0.00	2.91	0.00	80
4780	XHD CONVEYOR JACKLEG	834	0.16	0.21	0.05	0.09	0.00	0.11	0.00	9
4785	303 48"X50' 2000 CY/HR 125 HP D	146,231	39.54	52.20	8.20	15.57	4.46	18.13	5.87	627
4790	303 48"X60' 2000 CY/HR 185 HP D	162,647	45.68	60.17	9.15	17.41	6.61	20.28	8.69	662
4795	303 60"X50' 3600 CY/HR 185 HP D	168,040	48.57	64.67	9.37	17.69	6.61	20.59	8.69	682
4800	303 60"X60' 3600 CY/HR 290 HP D	193,547	59.72	79.56	10.79	20.37	10.36	23.70	13.63	737
4805	404 48"X50' 2000 CY/HR 185 HP D	180,888	49.27	64.67	10.20	19.49	6.61	22.72	8.69	616
4810	404 48"X60' 2000 CY/HR 185 HP D	191,132	51.44	67.46	10.79	20.64	6.61	24.06	8.69	650
4815	404 60"X50' 3600 CY/HR 290 HP D	216,965	63.25	83.50	12.20	23.24	10.36	27.07	13.63	571
4820	404 60"X60' 3600 CY/HR 290 HP D	240,082	69.11	91.45	13.48	25.64	10.36	29.87	13.63	724
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4830	SINGLE DECK SCREEN SB-120 72"X12'	13,802	2.78	3.53	0.80	1.56	0.00	1.83	0.00	58
4835	DOUBLE DECK SCREEN DC-120 72"X12'	18,142	3.66	4.64	1.05	2.05	0.00	2.41	0.00	85
4840	TRIPLE DECK SCREEN TC-120 72"X12'	20,768	4.20	5.30	1.21	2.36	0.00	2.75	0.00	90
4845	SINGLE DECK VIBRATING GRIZZLE 72"W	20,845	4.21	5.32	1.21	2.36	0.00	2.76	0.00	89

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, FRONT END, CRAWLER TYPE												
		CASE											
4855	350 B	3/4 CY	39 HP	D	40,821	11.74	14.72	2.36	4.80	1.50	5.66	1.98	105
4860	455 C	1 CY	63 HP	D	54,558	16.28	20.44	3.15	6.42	2.43	7.56	3.20	150
4865	855 C	1-1/2 CY	78 HP	D	71,090	21.00	26.32	4.11	8.37	3.01	9.84	3.96	236
4870	1155 D	1-3/4 CY	110 HP	D	95,898	28.58	35.85	5.55	11.29	4.24	13.28	5.58	282
4875	1455 B	2-1/4 CY	140 HP	D	113,954	34.46	43.26	6.59	13.42	5.40	15.78	7.11	360
		CATERPILLAR											
4885	931B	1 CY	65 HP	D	42,555	13.54	17.04	2.46	5.01	2.51	5.89	3.30	160
4890	943	1-1/2 CY	80 HP	D	84,497	24.27	30.40	4.88	9.94	3.08	11.70	4.06	257
4895	953	2 CY	110 HP	D	106,495	31.09	38.96	6.16	12.54	4.24	14.75	5.58	300
4900	963	2-1/2 CY	150 HP	D	139,133	40.95	51.34	8.04	16.38	5.78	19.27	7.61	399
4905	973	3-3/4 CY	210 HP	D	197,545	57.99	72.68	11.42	23.26	8.09	27.35	10.66	540
		FIAT-ALLIS											
4915	FL5	1 CY	63 HP	D	43,543	13.67	17.20	2.52	5.13	2.43	6.03	3.20	165
4920	FL7	1-1/4 CY	78 HP	D	52,815	16.67	20.97	3.06	6.22	3.01	7.32	3.96	198
4925	FL9	1-5/8 CY	87 HP	D	61,710	19.24	24.21	3.56	7.26	3.35	8.54	4.42	252
4930	FL10C	2 CY	122 HP	D	82,283	25.99	32.70	4.76	9.69	4.70	11.40	6.19	300
4935	FL14C	2-5/8 CY	150 HP	D	109,828	34.01	42.74	6.35	12.93	5.78	15.21	7.61	410
4940	FL20	3-1/2 CY	223 HP	D	157,206	49.11	61.76	9.08	18.50	8.59	21.77	11.32	585
		INTERNATIONAL											
4950	100-E	1-1/8 CY	65 HP	D	51,046	15.56	19.53	2.95	6.01	2.51	7.07	3.30	161
4955	125-E	1-3/8 CY	78 HP	D	63,502	19.19	24.09	3.67	7.47	3.01	8.79	3.96	199
4960	175-C	2 CY	130 HP	D	99,369	30.46	38.27	5.75	11.70	5.01	13.76	6.60	338
4965	250-C	2-3/4 CY	190 HP	D	146,690	44.86	56.35	8.48	17.27	7.32	20.31	9.64	452

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

UNIT NO.	EQUIPMENT					VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	LOADERS, F.E., CRAWLER TYPE (CONT'D)													
	JOHN DEERE													
4975	JD350-C	3/4 CY	42 HP	D		38,597	11.38	14.27	2.23	4.54	1.62	5.35	2.13	119
4980	JD455-D	1-1/4 CY	67 HP	D		51,054	15.66	19.67	2.95	6.01	2.58	7.07	3.40	172
4985	JD555-A	1-3/8 CY	78 HP	D		63,102	19.10	23.97	3.65	7.43	3.01	8.73	3.96	188
4990	JD655	2 CY	110 HP	D		93,347	27.97	35.09	5.40	10.99	4.24	12.92	5.58	296
4995	JD755-A	2-1/4 CY	130 HP	D		107,763	32.44	40.74	6.22	12.68	5.01	14.92	6.60	320
5000	JD855	2-3/4 CY	200 HP	D		156,057	47.62	59.81	9.02	18.37	7.71	21.61	10.15	460
	KOMATSU													
5010	D31S-17	1.3 CY	66 HP	D		45,446	14.28	17.96	2.63	5.35	2.54	6.29	3.35	156
5015	D41S-3	1.6 CY	90 HP	D		63,149	19.76	24.85	3.65	7.44	3.47	8.75	4.57	262
5020	D53S-16	1.8 CY	110 HP	D		81,347	25.13	31.58	4.71	9.58	4.24	11.27	5.58	300
5025	D57S-1	2.1 CY	135 HP	D		101,625	31.26	39.27	5.87	11.96	5.20	14.07	6.85	340
5030	D75S-3	3.3 CY	200 HP	D		147,954	45.69	57.44	8.55	17.41	7.71	20.49	10.15	485
5035	D155S-1	5.9 CY	350 HP	D		289,799	87.30	109.58	16.75	34.12	13.49	40.13	17.77	950
	LOADERS, FRONT END, WHEEL TYPE (ARTIC = ARTICULATED)													
	BOBCAT													
5045	MOD 440	6 CWT. SKID STEER	16 HP	G		8,594	3.29	4.22	0.50	0.96	1.25	1.11	1.62	21
5050	MOD 443	6 CWT. SKID STEER	15 HP	D		10,307	2.70	3.46	0.59	1.14	0.54	1.34	0.70	24
5055	MOD 540	8 CWT. SKID STEER	23 HP	G		11,647	4.53	5.82	0.67	1.31	1.79	1.52	2.33	31
5060	MOD 543	8 CWT. SKID STEER	22 HP	D		13,098	3.55	4.52	0.75	1.47	0.79	1.71	1.03	33
5065	MOD 641	10 CWT. SKID STEER	28 HP	D		15,450	4.28	5.48	0.88	1.73	1.00	2.03	1.32	39
5070	MOD 642	10 CWT. SKID STEER	32 HP	G		14,236	5.94	7.63	0.82	1.60	2.49	1.87	3.25	38
5075	MOD 742	13 CWT. SKID STEER	34 HP	G		16,389	6.53	8.36	0.94	1.84	2.65	2.15	3.45	45
5080	MOD 743	13 CWT. SKID STEER	36 HP	D		17,578	5.08	6.48	1.01	1.98	1.29	2.31	1.69	46
5085	MOD 843	17 CWT. SKID STEER	54 HP	D		22,614	7.08	9.18	1.29	2.50	1.93	2.91	2.54	63
5090	MOD 974	37 CWT. SKID STEER	78 HP	D		41,547	12.23	16.17	2.34	4.47	2.79	5.21	3.67	121

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)													
	CASE													
5100	W-4	1/2 CY ARTIC	37 HP	D		25,141	6.58	8.42	1.44	2.80	1.32	3.28	1.74	48
5105	W-11	3/4 CY ARTIC	55 HP	D		45,786	11.35	14.49	2.62	5.12	1.96	5.99	2.58	89
5110	W-14	1-1/2 CY ARTIC	83 HP	D		60,608	15.80	20.47	3.45	6.68	2.96	7.81	3.90	146
5115	W-18 B	1-3/4 CY ARTIC	103 HP	D		77,655	20.05	25.92	4.42	8.57	3.68	10.02	4.84	194
5120	W-20 C	2 CY ARTIC	110 HP	D		82,965	21.85	28.70	4.69	9.00	3.93	10.50	5.17	230
5125	W-24 C	2-1/2 CY ARTIC	132 HP	D		100,411	25.65	32.95	5.74	11.16	4.72	13.04	6.20	216
5130	W-36	3-1/2 CY ARTIC	185 HP	D		135,424	35.82	46.88	7.66	14.74	6.61	17.20	8.69	398
	CATERPILLAR													
5140	910	1-1/4 CY ARTIC	65 HP	D		49,727	12.87	16.68	2.83	5.47	2.32	6.38	3.05	145
5145	920	1-3/4 CY ARTIC	80 HP	D		69,754	17.31	22.31	3.98	7.72	2.86	9.02	3.76	186
5150	930	2-1/4 CY ARTIC	100 HP	D		79,904	20.30	26.22	4.56	8.83	3.57	10.31	4.70	212
5155	950-B	3 CY ARTIC	155 HP	D		127,844	32.28	41.74	7.28	14.10	5.54	16.48	7.28	328
5160	966-D	4 CY ARTIC	200 HP	D		174,300	43.71	56.79	9.90	19.13	7.14	22.34	9.40	426
5165	980-C	5-1/4 CY ARTIC	270 HP	D		235,462	55.42	72.07	12.35	23.92	9.64	27.14	12.69	598
5170	988-B	7 CY ARTIC	375 HP	D		341,065	78.03	101.15	17.75	34.11	13.39	38.65	17.62	892
5175	992-C	13 CY ARTIC	690 HP	D		693,468	157.72	207.12	35.81	68.24	24.65	77.27	32.43	1916
	CLARK													
5185	35C	1-1/2 CY	85 HP	D		60,561	15.85	20.45	3.45	6.70	3.04	7.82	3.99	180
5190	45C	2 CY	110 HP	D		70,994	19.05	24.58	4.05	7.86	3.93	9.18	5.17	206
5195	55C	2-1/2 CY ARTIC	121 HP	D		82,807	21.90	28.28	4.72	9.16	4.32	10.70	5.69	262
5200	75C	3 CY ARTIC	154 HP	D		121,201	31.20	40.60	6.88	13.28	5.50	15.51	7.24	313
5205	125C	4 CY ARTIC	203 HP	D		163,339	42.18	55.22	9.24	17.78	7.25	20.75	9.54	437
5210	175C	5 CY ARTIC	279 HP	D		222,456	53.72	70.09	11.65	22.53	9.97	25.56	13.11	565
5215	275C	7 CY ARTIC	360 HP	D		325,878	73.73	94.56	17.06	33.00	12.86	37.43	16.92	864
5220	475C	12 CY ARTIC	612 HP	D		611,245	137.66	179.04	31.75	60.86	21.86	68.95	28.76	1689

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

UNIT NO.	EQUIPMENT				VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	LOADERS, F.E., WHEEL TYPE (CONT'D)												
		FIAT-ALLIS											
5230	345-B	1-1/2 CY ARTIC	80 HP	D	54,038	14.37	18.58	3.08	5.97	2.86	6.97	3.76	151
5235	FR-10	2-1/4 CY ARTIC	110 HP	D	68,594	18.53	23.84	3.93	7.63	3.93	8.91	5.17	212
5240	FR-12	2-1/2 CY ARTIC	127 HP	D	75,402	20.86	27.03	4.29	8.31	4.54	9.72	5.97	230
5245	FR-15	3 CY ARTIC	164 HP	D	106,775	29.17	38.21	6.04	11.62	5.86	13.56	7.71	296
5250	FR-20	4-1/2 CY ARTIC	223 HP	D	165,163	43.53	56.96	9.35	17.99	7.97	21.00	10.48	445
5255	945-B	6-1/2 CY ARTIC	335 HP	D	254,451	60.93	79.18	13.22	25.38	11.97	28.76	15.74	666
		FORD											
5265	445A	3/4 CY	48 HP	D	25,415	7.33	9.58	1.44	2.77	1.71	3.24	2.26	73
5270	555A	1 CY	62 HP	D	32,147	9.27	12.01	1.83	3.54	2.21	4.13	2.91	78
5275	A-62	1-1/2 CY	88 HP	D	62,655	16.36	21.13	3.57	6.93	3.14	8.10	4.14	173
5280	A-64	2 CY ARTIC	107 HP	D	75,345	19.83	25.66	4.29	8.31	3.82	9.70	5.03	228
5285	A-66	2-1/2 CY ARTIC	136 HP	D	107,820	27.68	35.99	6.12	11.83	4.86	13.81	6.39	256
		INTERNATIONAL											
5295	510B	1-3/8 CY	80 HP	D	53,177	14.24	18.47	3.02	5.85	2.86	6.84	3.76	140
5300	515B	1-5/8 CY	100 HP	D	65,435	17.54	22.68	3.73	7.23	3.57	8.45	4.70	167
5305	520B	2-1/4 CY ARTIC	120 HP	D	76,007	20.62	26.68	4.33	8.39	4.29	9.79	5.64	232
5310	530	2-3/4 CY ARTIC	155 HP	D	110,843	29.20	37.93	6.30	12.17	5.54	14.21	7.28	291
5315	540	3-3/4 CY ARTIC	189 HP	D	154,294	39.71	52.01	8.73	16.79	6.75	19.59	8.88	360
5320	550	5-1/4 CY ARTIC	209 HP	D	218,531	54.34	72.13	12.27	23.41	7.47	27.28	9.82	544
5325	560B	7-1/2 CY ARTIC	415 HP	D	320,837	75.47	96.93	16.80	32.47	14.82	36.81	19.50	830
5330	570	12 CY ARTIC	590 HP	D	599,741	132.78	170.71	31.35	60.52	21.07	68.63	27.73	1350
		JOHN DEERE											
5340	300B	3/4 CY	43 HP	D	23,412	6.66	8.59	1.34	2.58	1.54	3.00	2.02	69
5345	444C	1-1/2 CY	85 HP	D	62,877	16.27	20.97	3.59	6.96	3.04	8.13	3.99	179
5350	544C	2 CY ARTIC	105 HP	D	76,263	19.67	25.21	4.37	8.50	3.75	9.93	4.93	197

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)													
	JOHN DEERE (CONT'D)													
5355	644C	3	CY ARTIC	145 HP	D	109,905	28.40	36.78	6.25	12.11	5.18	14.14	6.81	260
5360	844	4-1/2	CY ARTIC	260 HP	D	204,018	49.84	65.36	10.66	20.57	9.29	23.32	12.22	490
	KAWASAKI													
5370	KSS-65Z	2.2	CY	104 HP	D	65,076	17.81	23.16	3.70	7.14	3.71	8.33	4.89	225
5375	KSS-70	3.0	CY	158 HP	D	91,591	25.86	33.84	5.19	9.99	5.64	11.65	7.43	305
5380	KSS-80ZII	3.5	CY	165 HP	D	98,100	27.45	35.88	5.56	10.70	5.89	12.49	7.75	327
5385	KSS-85ZII	4.0	CY	217 HP	D	133,569	37.19	48.81	7.55	14.50	7.75	16.92	10.20	409
5390	KSS-95ZII	5.5	CY	305 HP	D	184,717	48.35	63.43	9.65	18.62	10.89	21.11	14.33	615
5395	KSS-110Z	7.5	CY	383 HP	D	289,967	70.06	91.73	15.00	28.65	13.68	32.45	18.00	864
	TEREX (GM)													
5405	33C	2	CY	103 HP	D	64,760	17.72	23.02	3.68	7.11	3.68	8.29	4.84	216
5410	44C	2-1/2	CY	113 HP	D	74,410	19.97	25.86	4.23	8.20	4.04	9.58	5.31	250
5415	55C	3-1/4	CY	144 HP	D	105,318	27.69	36.09	5.97	11.52	5.14	13.45	6.77	280
5420	66C	4	CY	210 HP	D	146,698	39.17	51.20	8.31	16.01	7.50	18.68	9.87	425
5425	80C	5-1/2	CY	307 HP	D	222,365	55.02	71.79	11.65	22.53	10.97	25.55	14.43	590
5430	90B	7-1/2	CY	388 HP	D	324,990	74.89	96.11	17.02	32.91	13.86	37.33	18.24	845
	TROJAN													
5440	1500Z	1-3/4	CY ARTIC	93 HP	D	59,120	16.18	21.11	3.35	6.46	3.32	7.55	4.37	180
5445	1900Z	2-1/2	CY ARTIC	119 HP	G	74,847	26.55	34.35	4.26	8.25	9.27	9.63	12.08	220
5450	2000Z	3	CY ARTIC	160 HP	D	99,977	27.47	35.85	5.67	10.93	5.72	12.77	7.52	306
5455	4000	4-1/4	CY ARTIC	203 HP	D	149,214	39.62	52.06	8.43	16.18	7.25	18.87	9.54	410
5460	5500	5-1/2	CY ARTIC	285 HP	D	219,545	53.82	70.54	11.48	22.15	10.18	25.11	13.39	616
5465	7500	7	CY ARTIC	400 HP	D	288,851	69.56	89.82	15.07	29.05	14.29	32.93	18.80	846

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	LOADER/BACKHOE, WHEEL TYPE TRACTOR									
	CASE									
5475	480D LDR/BHOE 7/8 CY FE BUCKET 47 HP D 24" B/H DIPPER	40,250	10.11	12.70	2.30	4.47	1.68	5.21	2.21	100
5480	580D LDR/BHOE 1.0 CY FE BUCKET 55 HP D 24" B/H DIPPER	46,962	11.71	14.72	2.69	5.25	1.96	6.14	2.58	115
5485	680H LDR/BHOE 1-1/4 CY FE BUCKET 80 HP D 30" B/H DIPPER	72,515	17.94	22.53	4.15	8.08	2.86	9.44	3.76	165
5490	780B LDR/BHOE 1-3/4 CY FE BUCKET 111 HP D 30" B/H DIPPER	85,639	21.99	27.68	4.89	9.50	3.96	11.10	5.22	200
	JOHN DEERE									
5500	310B LDR/BH 3/4 CY FE BUCKET 58 HP D 24" B/H DIPPER	40,002	10.60	13.36	2.29	4.43	2.07	5.17	2.73	135
5505	410B LDR/BH 1 CY FE BUCKET 62 HP D 24" B/H DIPPER	47,661	12.27	15.46	2.73	5.29	2.21	6.17	2.91	138
5510	510B LDR/BHOE 1-1/8 CY FE BUCKET 70 HP D 24" B/H DIPPER	55,336	14.19	17.86	3.16	6.13	2.50	7.15	3.29	150
5515	610B LDR/BH 1-1/3 CY FE BUCKET 80 HP D 24" B/H DIPPER	63,404	16.19	20.39	3.62	7.04	2.86	8.23	3.76	163
5520	710B LDR/BHOE 1-1/2 CY FE BUCKET 100 HP D 30" B/H DIPPER	76,098	19.74	24.88	4.33	8.39	3.57	9.79	4.70	220
	LOADER/BACKHOE, CRLR TYPE TRACTOR									
	CASE									
5530	350B LDR/BHOE 3/4 CY FE BUCKET 39 HP D 24" B/H DIPPER	53,831	14.83	18.54	3.12	6.34	1.50	7.46	1.98	141
5535	450B LDR/BHOE 1 CY FE BUCKET 53 HP D 24" B/H DIPPER	64,104	18.00	22.52	3.70	7.54	2.04	8.87	2.69	167
	CATERPILLAR									
5545	931BLDR/BHOE 1 CY FE BUCKET 65 HP D 30" B/H DIPPER	54,965	16.48	20.68	3.18	6.47	2.51	7.61	3.30	207

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	LOADER/BACKHOE ATTACHMENTS									
	HYDRAULICALLY OPERATED IMPACTOR MOUNTED ON BACKHOE OR HYDRAULIC EXCAVATOR (ADD TO THE BASIC LOADER-BACKHOE OR EXCAVATOR)									
5555	KENT RAM 555 W/NARROW CHISEL	4,981	1.99		0.35	0.75	0.00			6
5560	KENT RAM 999 W/NARROW CHISEL	10,373	4.11		0.73	1.55	0.00			10
5565	KENT RAM 2000 W/CHISEL-MIN 3/4CY B/H	20,074	7.92		1.40	3.00	0.00			22
5570	KENT KHP-12 HYDRA-PAK TAMPER	5,208	1.80		0.37	0.78	0.00			9
5575	KENT KHP-25 HYDRA-PAK MIN 3/4CY B/H	8,160	2.79		0.58	1.23	0.00			15
	PILE EXTRACTORS									
	MKT CORPORATION									
5585	E2 700 FT-LBS 400CFM A	14,227	4.48		1.00	2.13	0.00			27
5590	E4 1000 FT-LBS 550CFM A	21,418	6.70		1.50	3.21	0.00			47
	VULCAN									
5600	400A 500 FT-LBS 450CFM A	18,306	5.71		1.29	2.74	0.00			30
5605	800A 1000 FT-LBS 900CFM A	23,848	7.58		1.67	3.57	0.00			57
5610	1200A 1640 FT-LBS 1350CFM A	27,990	9.10		1.96	4.19	0.00			97
	PILE HAMMERS, DIESEL (FUEL NOT INCLUDED)									
	MKT CORPORATION									
5620	DE-30B/20B (6-FT) 12,000 FT-LBS	35,875	10.73		2.51	5.37	0.00			74
5625	DE-30B/20B (6-FT) 16,800 FT-LBS	40,097	11.98		2.81	6.00	0.00			82
5630	DE-70B/50B (6-FT) 30,000 FT-LBS	65,851	19.64		4.61	9.86	0.00			138
5635	DE-70B/50B (6-FT) 42,000 FT-LBS	69,936	20.85		4.90	10.47	0.00			158

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	PILE HAMMERS, SINGLE ACTING									
	VULCAN									
5645	1 15000 FT-LBS 750CFM A	36,548	11.29		2.56	5.47	0.00			101
5650	06 19500 FT-LBS 900CFM A	41,840	12.94		2.93	6.27	0.00			121
5655	08 26000 FT-LBS 1100CFM A	48,036	14.87		3.37	7.19	0.00			175
5660	010 32500 FT-LBS 1350CFM A	52,616	16.38		3.69	7.88	0.00			195
5665	012 39000 FT-LBS 1500CFM A	58,849	18.13		4.12	8.81	0.00			287
5670	014 42000 FT-LBS 1750CFM A	70,449	21.87		4.93	10.54	0.00			283
5675	016 48750 FT-LBS 1750CFM A	83,656	25.81		5.86	12.53	0.00			320
5680	020 60000 FT-LBS 2150CFM A	111,940	34.42		7.84	16.76	0.00			425
5685	030 90000 FT-LBS 2350CFM A	165,433	50.45		11.60	24.78	0.00			575
	PILE HAMMERS, DOUBLE ACTING									
	MKT CORPORATION									
5695	9-B-3 8750 FT-LBS 900CFM A	28,687	9.02		2.01	4.30	0.00			74
5700	10-B-3 13100 FT-LBS 1200CFM A	32,437	10.29		2.27	4.86	0.00			114
5705	11-B-3 19150 FT-LBS 1200CFM A	43,292	13.51		3.03	6.48	0.00			141
5710	5 (SELF STOP) 1000 FT-LBS 375CFM A	10,929	3.50		0.77	1.64	0.00			17
5715	6 (SELF STOP) 2500 FT-LBS 600CFM A	13,800	4.44		0.97	2.07	0.00			31
5720	7 (SELF STOP) 4150 FT-LBS 750CFM A	17,240	5.55		1.21	2.58	0.00			50
	VULCAN									
5730	50C 15100 FT-LBS 1250CFM A	46,415	14.46		3.25	6.95	0.00			153
5735	65C 19200 FT-LBS 1450CFM A	53,232	16.62		3.74	7.98	0.00			153
5740	80C 24450 FT-LBS 1750CFM A	57,085	17.90		4.00	8.54	0.00			184
5745	100C 32900 FT-LBS 2050CFM A	69,919	21.88		4.90	10.47	0.00			232
5750	140C 36000 FT-LBS 2150CFM A	86,572	26.89		6.07	12.97	0.00			287
5755	200C 50200 FT-LBS 2550CFM A	125,598	38.69		8.80	18.80	0.00			398

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, VIBRATORY ********** MKT CORPORATION									
5765	V5 WITH POWER PACK 59 HP D	62,923	21.50		4.41	9.43	2.11			110
5770	V16 WITH POWER PACK 156 HP D	118,193	42.50		8.28	17.70	5.57			215
5775	V20 WITH POWER PACK 295 HP D	173,762	65.58		12.18	26.02	10.54			257
5780	V30 WITH POWER PACK 550 HP D	187,132	81.58		13.11	28.02	19.65			350
5785	V36 WITH POWER PACK 650 HP D	237,586	101.30		16.65	35.58	23.22			450
	PIPELAYER ********* CATERPILLAR									
5795	561D 15 FT BOOM, 40,000 LB CAP 105 HP D	121,543	22.43	27.44	6.59	12.28	2.07	13.85	2.66	357
5800	571G 18 FT BOOM, 60,000 LB CAP 200 HP D	196,474	37.08	45.42	10.65	19.84	3.95	22.38	5.08	502
5805	572G 18 FT BOOM, 90,000 LB CAP 200 HP D	272,933	49.36	60.34	14.79	27.56	3.95	31.10	5.08	605
5810	583K 20 FT BOOM, 140,000 LB CAP 300 HP D	281,542	53.51	65.58	15.25	28.43	5.92	32.09	7.61	905
5815	594H 24 FT BOOM, 200,000 LB CAP 410 HP D	393,205	74.49	91.27	21.31	39.71	8.09	44.81	10.41	1229
	PUMPS, GROUT ********** CHEMGROUT									
5825	CG-500 VERSATILE AIR OPERATED GROUT PLANT-100 PSI, 230 CFM	12,483	3.32		0.80	1.79	0.00			11
5830	CG-550 AIR OPERATED MINI GROUT PLANT-100 PSI, 150 CFM	4,606	1.27		0.29	0.66	0.00			5
5835	CG-600 AIR OPERATED COLLOIDAL MIXER AND PUMP-100 PSI, 450 CFM	18,415	4.98		1.18	2.63	0.00			18
5840	CG-620 COLLOIDAL ADD-ON TO CG-500	7,945	2.07		0.51	1.14	0.00			11

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
	PUMPS, WATER (FOR CORE DRILLS)									
	LONGYEAR									
5850	520 RQG 5.7-20 GPM UP TO 600PSI 10 HP G	6,743	2.70		0.39	0.76	1.07			7
5855	535 RQG 9.9-35 GPM UP TO 800PSI 15 HP G	8,515	3.76		0.49	0.96	1.61			10
	PUMPS, WATER,CENTRIFUGAL,DEWATERING									
	HOMELITE - SKID MOUNTED									
5865	MOD 110S 1-1/2"-5000 GPH @ 30' H 2 HP G	467	0.37		0.03	0.05	0.21			1
5870	MOD 111S 2" - 9000 GPH @ 22' H 3 HP G	602	0.53		0.03	0.06	0.32			1
5875	MOD 120S 3" - 18000 GPH @ 20' H 8 HP G	1,116	1.34		0.06	0.12	0.86			2
	MARLOW - WHEEL MOUNTED									
5885	MOD 4D2 465 GPM @ 20 ' HEAD 43 HP G	8,909	7.81		0.52	1.01	4.62			14
5890	MOD 4C7 595 GPM @ 20 ' HEAD 30 HP D	5,115	3.04		0.30	0.58	1.49			10
5895	MOD 6E4A 1100 GPM @ 20 ' HEAD 79 HP G	11,821	13.46		0.68	1.34	8.48			15
5900	MOD 6E4A 1100 GPM @ 20 ' HEAD 60 HP D	17,012	7.40		0.99	1.93	2.99			24
5905	MOD 8FA3 2320 GPM @ 20 ' HEAD 70 HP D	21,917	9.03		1.27	2.48	3.49			23
5910	MOD 10FA61 2775 GPM @ 20 ' HEAD 68 HP D	23,252	9.14		1.34	2.63	3.39			30
	PUMPS, WATER, CENTRIFUGAL, TRASH									
	HOMELITE - SKID MOUNTED									
5920	MOD 121TP 2" - 11500 GPH @ 20' H 5 HP G	969	0.90		0.06	0.11	0.54			1
5925	MOD 120 3" - 23000 GPH @ 20' H 8 HP G	1,322	1.38		0.08	0.15	0.86			2
5930	MOD 160TP 4" - 36500 GPH @ 20' H 16 HP G	2,711	2.79		0.16	0.31	1.72			4

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	PUMPS, WATER,DIAPHRAGM									
	HOMELITE - SKID MOUNTED									
5940	MOD 111DP 2" - 1900 GPH @ 10' HD 3 HP G	1,214	0.66		0.07	0.14	0.32			1
5945	MOD 111DP 3" - 4800 GPH @ 10' HD 3 HP G	1,351	0.68		0.08	0.15	0.32			2
	PUMPS, WATER, SUBMERSIBLE									
	GORMAN-RUPP									
5955	MOD S2A1 2" - 138 GPM @ 20' HD 2 HP E	1,642	0.41		0.09	0.18	0.12			2
5960	MOD S3A1 3" - 278GPM @ 20' HD 5 HP E	2,345	0.79		0.13	0.26	0.30			3
5965	MOD S4A1 4" - 860 GPM @ 40' HD 25 HP E	8,321	3.47		0.49	0.95	1.51			12
5970	MOD S6A1 6" - 1950 GPM @ 40' HD 60 HP E	10,854	6.91		0.63	1.23	3.62			14
	HOMELITE									
5980	MOD SP200 2" - 13000 GPH @ 10' HD 2 HP E	1,335	0.37		0.08	0.15	0.12			1
5985	MOD SP300 3" - 19000 GPH @ 15' HD 4 HP E	1,652	0.60		0.09	0.18	0.24			1
	RIPPER & HYDRAULIC BANK SLOPER (DOES NOT INCLUDE COST OF POINT WEAR)									
	ATECO									
5995	LPAF-D8K PARALLEL LIFT	24,520	5.84	7.86	1.56	3.40	0.00	4.25	0.00	101
6000	D-8K SHANKS EA	1,918	0.44	0.61	0.12	0.26	0.00	0.34	0.00	11
6005	LPAF-D7G PARALLEL LIFT	18,371	4.38	5.89	1.17	2.55	0.00	3.18	0.00	57
6010	D-7G SHANKS EA	839	0.19	0.26	0.05	0.11	0.00	0.14	0.00	5
6015	V-LPRF-TD25E PARALLEL LIFT STD SVC	21,040	5.02	6.75	1.34	2.91	0.00	3.64	0.00	97
6020	TD-25C SHANKS EA	1,902	0.44	0.60	0.12	0.26	0.00	0.33	0.00	8
6025	V-LPRF-TD20E PARALLEL LIFT STD SVC	15,264	3.65	4.90	0.97	2.11	0.00	2.64	0.00	51
6030	TD-20E SHANKS EA	1,219	0.29	0.38	0.08	0.17	0.00	0.21	0.00	4
6035	PS-TD15C RADIAL LIFT	8,949	2.17	2.91	0.57	1.24	0.00	1.55	0.00	22
6040	TD-15C SHANKS EA	486	0.12	0.15	0.03	0.07	0.00	0.08	0.00	1
6045	V-LPRF 82-50 PARALLEL LIFT STD SVC	23,486	5.58	7.51	1.50	3.26	0.00	4.07	0.00	105

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)									
	ATECO (CONT'D)									
6050	82-50 SHANKS EA	1,902	0.44	0.60	0.12	0.26	0.00	0.33	0.00	8
6055	V-LPRF-82-30BPARALLEL LIFT	20,885	4.97	6.68	1.33	2.90	0.00	3.61	0.00	89
6060	82-30 SHANKS EA	2,580	0.61	0.81	0.17	0.36	0.00	0.44	0.00	8
6065	HBS-HYDR BANK SLOPER 260-475 HP	9,228	1.87	2.35	0.54	1.09	0.00	1.28	0.00	28
	CATERPILLAR									
6075	D-10 MULTI-SHANK BEAM	51,388	12.23	16.46	3.26	7.11	0.00	8.89	0.00	218
6080	D-10 SHANKS EA	3,747	0.87	1.19	0.23	0.51	0.00	0.65	0.00	15
6085	D-10 SINGLE-SHANK BEAM	54,752	13.01	17.52	3.48	7.58	0.00	9.47	0.00	209
6090	D-9L MULTI-SHANK BEAM W/HYD-CONTROL	43,606	10.36	13.95	2.77	6.04	0.00	7.55	0.00	162
6095	D-9L SHANKS EA	3,368	0.79	1.06	0.22	0.47	0.00	0.58	0.00	14
6100	D-9L SINGLE-SHANK BEAM HYD-CNTL&SHANK	40,577	9.65	12.99	2.58	5.62	0.00	7.02	0.00	156
6105	D-8L MULTI-SHANK BEAM HYD-CONTROL	29,439	6.99	9.40	1.88	4.08	0.00	5.09	0.00	98
6110	D-8L SHANKS EA	1,895	0.44	0.60	0.12	0.26	0.00	0.33	0.00	7
6115	D-8L SINGLE-SHANK BEAM HYD-CNTL&SHANK	28,612	6.79	9.14	1.82	3.96	0.00	4.95	0.00	101
6120	D-7G MULTI-SHANK BEAM HYD-CONTROL	16,446	3.92	5.28	1.04	2.27	0.00	2.85	0.00	57
6125	D-7G SHANKS EA	981	0.23	0.31	0.07	0.14	0.00	0.17	0.00	3
6130	D-6D MULTI-SHANK BEAM HYD-CONTROL	10,289	2.49	3.33	0.66	1.43	0.00	1.78	0.00	34
6135	D-6D SHANKS EA	500	0.12	0.16	0.03	0.07	0.00	0.09	0.00	1
6140	D-4E MULTI-SHANK BEAM HYD-CONTROL	6,354	1.57	2.09	0.41	0.88	0.00	1.10	0.00	22
6145	D-4E SHANKS EA	269	0.07	0.09	0.02	0.04	0.00	0.05	0.00	1
6150	D-3B FIVE-SHANK BEAM HYD-CONTROL	2,719	0.71	0.94	0.17	0.37	0.00	0.47	0.00	7
6155	D-3B SHANKS EA	142	0.03	0.05	0.01	0.02	0.00	0.03	0.00	1
	FIAT-ALLIS									
6165	FD-50 W/HYD-CNTL AND 1 SHANK	55,375	13.23	17.79	3.52	7.67	0.00	9.59	0.00	280
6170	FD-40 W/HYD-CNTL AND 2 SHANKS	43,561	10.39	13.97	2.77	6.03	0.00	7.54	0.00	200

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	RIPPER & HYDR BANK SLOPER (CONT'D)									
	(DOES NOT INCLUDE COST OF POINT WEAR)									
	FIAT-ALLIS (CONT'D)									
6175	FD-30 W/HYD-CNTL AND 2 SHANKS	33,008	7.82	10.54	2.10	4.57	0.00	5.72	0.00	108
6180	RP20B W/HYD-CNTL AND 3 SHANKS	20,492	4.88	6.57	1.30	2.84	0.00	3.55	0.00	88
	ROLLER, RUBBER TIRED, SELF-PROPELLED									
	FERGUSON									
6190	MOD SP-912 12 TON 85 HP D	39,273	11.63		2.25	4.51	3.04			99
6195	MOD SP-915 15 TON 85 HP D	43,322	12.43		2.48	4.98	3.04			135
6200	MOD SP-1118 18 TON 85 HP D	50,363	13.84		2.89	5.79	3.04			124
6205	MOD SP-1130 30 TON 125 HP D	80,697	21.82		4.60	9.15	4.46			242
	INGRAM									
6215	9-2800-P 12 TON 76 HP D	34,376	10.25		1.97	3.94	2.71			73
6220	9-2800-PA 12 TON 76 HP D	36,952	10.76		2.12	4.24	2.71			86
6225	9-3400-P 15 TON 78 HP D	37,794	11.02		2.16	4.33	2.79			97
6230	11-2700 15 TON 107 HP G	36,436	17.64		2.08	4.16	8.33			89
6235	11-2700 15 TON 76 HP D	40,592	11.50		2.33	4.65	2.71			91
6240	13-2300 15 TON 107 HP G	38,106	17.99		2.17	4.34	8.33			86
6245	13-2300 15 TON 76 HP D	42,273	11.84		2.41	4.82	2.71			90
6250	9-6000 27 TON 117 HP D	92,481	23.88		5.26	10.43	4.18			205
	TAMPO									
6260	SP-312 12 TON 68 HP D	37,521	10.52		2.15	4.30	2.43			66
6265	SP-518 15 TON 68 HP D	46,478	12.31		2.66	5.33	2.43			95
6270	SP-950 27 TON 130 HP D	95,870	25.08		5.46	10.85	4.64			198
6275	SP-1070 M 35 TON 130 HP D	115,477	29.53		6.47	12.65	4.64			258

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, RUBBER TIRED, TOWED									
	FERGUSON									
6285	RT-100S 50 TON	63,446	12.51		3.33	6.04	0.00			200
6290	RT-120S 60 TON	74,861	15.40		4.14	7.98	0.00			218
	SOUTHWEST									
6300	C 50 50 TON	76,698	15.32		4.11	7.66	0.00			344
6305	C 75 75 TON	85,952	17.10		4.53	8.26	0.00			408
6310	C 100XL 100 TON	117,795	23.62		6.36	11.97	0.00			601
	TAMPO									
6320	R-13 14 TON	9,487	1.98		0.52	1.00	0.00			35
	ROLLER, SHEEPSFOOT,DOUBLE DRUM,TOWED									
	FERGUSON									
6330	MOD 112 40"X48" 3-7 TON	13,377	2.79		0.77	1.56	0.00			65
6335	MOD 112W 40"X48" 4.5-8 TON	16,990	3.51		0.98	1.98	0.00			91
6340	MOD 112W-48 48"X48" 5-10 TON	17,483	3.61		1.01	2.04	0.00			105
6345	MOD 120 60"X60" 8-18 TON	26,180	5.33		1.52	3.06	0.00			157
6350	MOD 120 MOD 60"X60" 8-18 TON	40,074	8.09		2.32	4.68	0.00			230
6355	MOD 120-RE 60"X60" 16-20 TON	60,814	12.20		3.52	7.10	0.00			327
6360	MOD 22 60"X72" 16-20 TON	39,635	8.00		2.29	4.62	0.00			215
6365	MOD 22 MOD 60"X72" 16-20 TON	46,202	9.30		2.67	5.39	0.00			269
6370	MOD 144-RE 60"X72" 19-24 TON	71,583	14.33		4.14	8.35	0.00			385
	TAMPO									
6380	H-1 TF 40"X48" 2.6TON	5,908	1.32		0.35	0.69	0.00			32
6385	H-2 TF 40"X48" 5 TON	11,951	2.52		0.70	1.40	0.00			63

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	ROLLER, SHEEPSFOOT,DD,SELF-PROPELLED									
	CATERPILLAR									
6395	815 B 40.5"X38" 210 HP D	158,500	40.72		9.16	18.50	7.50			420
6400	825C 51"X44" 310 HP D	238,875	61.08		13.80	27.87	11.07			633
6405	825C W/S BLADE 310 HP D	252,235	63.73		14.57	29.43	11.07			684
	HYSTER									
6415	C455-B TANDEM 80"X80" ARTIC 330 HP D	254,338	65.04		14.70	29.68	11.79			573
	ROLLER, SMOOTH WHEEL,SELF-PROPELLED									
	FERGUSON									
6425	3-5 TON TANDEM 52 HP D	26,389	7.54		1.53	3.08	1.86			77
6430	4-6 TON TANDEM 52 HP D	31,476	8.55		1.82	3.67	1.86			96
6435	5-8 TON TANDEM 85 HP D	48,108	13.31		2.79	5.62	3.04			136
6440	8-10 TON TANDEM 85 HP D	50,213	13.72		2.91	5.86	3.04			174
6445	8-12 TON TANDEM 85 HP D	52,468	14.17		3.03	6.12	3.04			176
6450	10-14 TON TANDEM 85 HP D	54,601	14.59		3.15	6.37	3.04			219
	INGRAM									
6460	12 TON EB 3 WHEEL 3" OVERLAP 107 HP G	52,502	20.73		3.03	6.12	8.33			194
6465	12 TON EB 3 WHEEL 3" OVERLAP 85 HP D	56,364	14.95		3.26	6.58	3.04			196
6470	14 TON EB 3 WHEEL 3" OVERLAP 107 HP G	55,656	21.36		3.21	6.49	8.33			221
6475	14 TON EB 3 WHEEL 3" OVERLAP 85 HP D	59,518	15.56		3.44	6.94	3.04			223
6480	4-6 TON FB 2 WHEEL TANDEM 54 HP G	25,809	10.33		1.49	3.01	4.21			82
6485	6-9 TON GB 2 WHEEL TANDEM 107 HP G	34,968	17.26		2.02	4.08	8.33			133
6490	6-9 TON GB 2 WHEEL TANDEM 85 HP D	38,831	11.47		2.24	4.53	3.04			135
6495	8-12 TON HB 2 WHEEL TANDEM 107 HP G	42,393	18.74		2.45	4.95	8.33			171
6500	8-12 TON HB 2 WHEEL TANDEM 85 HP D	46,256	12.93		2.67	5.39	3.04			173
6505	10-14 TON HB 2 WHEEL TANDEM 107 HP G	45,691	19.39		2.64	5.33	8.33			203
6510	10-14 TON HB 2 WHEEL TANDEM 85 HP D	49,553	13.59		2.86	5.78	3.04			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									
6520	CK-11 40HZ 30"X55" 5 TON 18 HP G	12,982	5.98		0.83	1.78	1.93			31
6525	CF-11 40HZ TF 30"X55" 5 TON 18 HP G	15,906	6.76		1.01	2.18	1.93			32
6530	CH-47 27HZ 47"X74" 13 TON 43 HP D	33,494	11.69		2.12	4.59	2.14			130
6535	CF-47 27HZ TF 47"X74" 13 TON 43 HP D	36,724	12.55		2.33	5.04	2.14			135
6540	CK-51 25HZ 59"X83" 24 TON 95 HP D	51,234	19.79		3.25	7.02	4.73			221
6545	CF-51 25HZ TF 59"X83" 24 TON 95 HP D	54,050	20.54		3.43	7.41	4.73			226
	FERGUSON									
6555	65 25HZ TF 60"X72" 11 TON 49 HP D	36,136	12.78		2.30	4.96	2.44			110
6560	65T 30HZ TF 44"X72" 11 TON 49 HP D	39,272	13.61		2.50	5.39	2.44			127
6565	230 25HZ 66"X78" 20 TON 77 HP D	63,121	21.77		4.01	8.66	3.84			237
6570	230T 25HZ TF 66"X78" 21 TON 77 HP D	68,851	23.28		4.37	9.44	3.84			268
	HYSTER									
6580	C200B 30HZ 48"X60" 9 TON 39 HP D	24,558	9.06		1.56	3.37	1.94			90
6585	C210A 30HZ TF 58"X60" 9 TON 39 HP D	30,079	10.51		1.91	4.12	1.94			100
	RAYGO									
6595	SF-54A TF 38HZ 30"X54" 7.5TON 30 HP D	18,721	6.93		1.19	2.57	1.49			48
6600	SM-54A 38HZ 30"X54" 7.5TON 30 HP D	16,972	6.46		1.08	2.33	1.49			48
	SOUTHWEST									
6610	756 25HZ TF 56"X78"23.5TON 75 HP D	78,605	25.73		4.99	10.78	3.74			240
6615	566 33HZ TF 56"X72"25.5TON 50 HP D	59,969	19.15		3.80	8.22	2.49			165

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	ROLLER,VIB,SINGLE DRUM,SELF-PROPELLED ********** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS									
	DYNAPAC									
6630	CA-15 29HZ 48"X66" 11 TON 73 HP D	59,120	20.48		3.73	8.02	3.64			132
6635	CA-15A 42HZ 48"X66" 12 TON 85 HP D	68,264	23.80		4.26	9.07	4.23			144
6640	CA-15PD 29HZ TF 53"X66" 13 TON 85 HP D	78,091	26.30		4.94	10.63	4.23			157
6645	CA-25A 40HZ 60"X84" 18 TON 125 HP D	87,447	31.48		5.49	11.74	6.23			200
6650	CA-25 28HZ 60"X84" 18 TON 125 HP D	81,498	29.88		5.12	10.95	6.23			200
6655	CA-25S 28HZ 61"X84" 22 TON 125 HP D	87,660	31.52		5.51	11.80	6.23			225
6660	CA-25PD 28HZ 68"X84" 22 TON 125 HP D	101,301	35.12		6.37	13.67	6.23			248
6665	CA-30 28HZ 61"X84" 22 TON 125 HP D	90,433	32.25		5.69	12.18	6.23			242
6670	CA-30D 28HZ 61"X84" 22 TON 125 HP D	97,943	34.24		6.16	13.21	6.23			252
	FERGUSON									
6680	SP 266A 42HZ 48"X66" 15 TON 125 HP D	84,961	30.69		5.40	11.65	6.23			225
6685	SP 75 30HZ 60"X84" 22.5 TON 85 HP D	70,061	24.23		4.40	9.39	4.23			191
6690	SP 75D 30HZ 60"X84" 22.5 TON 120 HP D	74,386	27.67		4.66	9.98	5.98			193
6695	SP 75DT 30HZ TF 60"X84" 22.5 TON 120 HP D	84,507	30.35		5.31	11.37	5.98			236
	INGERSOLL RAND									
6705	SPF-56 30HZ TF 56"X84" 21 TON 115 HP D	90,112	31.51		5.67	12.14	5.73			222
6710	SP-60DD 25HZ 60"X100" 30 TON 203 HP D	133,700	48.94		8.37	17.88	10.11			377
	RAYGO									
6720	RASCAL 220A 30HZ TF38"X48" 6 TON 70 HP D	54,942	19.16		3.48	7.49	3.49			97
6725	RASCAL 303A 38HZ 48"X66" 8 TON 70 HP D	54,739	19.13		3.45	7.41	3.49			137
6730	RASCAL 320A 25HZ TF48"X60" 8 TON 80 HP D	73,050	24.62		4.62	9.95	3.99			151
6735	RASCAL 320S 25HZ 48"X60" 8 TON 80 HP D	63,148	22.02		3.99	8.57	3.99			144
6740	RUSTLER 304A 28HZ 48"X66" 8 TON 70 HP D	61,908	21.14		3.86	8.19	3.49			130
6745	RUSTLER 404B 28HZ 59"X84"13.5TON 88 HP D	82,668	27.74		5.20	11.14	4.38			175

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	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)									
6750	RASCAL 420C 25HZ TF60"X84" 16 TON 119 HP D	95,561	33.21		6.02	12.90	5.93			225
6755	RASCAL 4000 25HZ 60"X84" 20 TON 125 HP D	76,334	28.52		4.79	10.25	6.23			224
6760	RASCAL 510A 25HZ 60"X80"22.5TON 119 HP D	112,495	37.71		7.08	15.17	5.93			358
6765	RASCAL 600A 25HZ 60"X100"22.5TON 119 HP D	97,816	33.83		6.15	13.16	5.93			316
6770	RASCAL 450A 28HZ 59"X84"28.5TON 125 HP D	83,639	30.51		5.22	11.14	6.23			263
	TAMPO									
6780	RS-16A 26HZ 48"X24" 7.5TON 68 HP D	63,680	21.47		3.97	8.44	3.39			124
6785	RS-16 26HZ 48"X24" 8 TON 68 HP D	56,163	19.37		3.55	7.62	3.39			115
6790	RS-16D 26HZ 48"X24" 8 TON 80 HP D	65,854	22.73		4.16	8.94	3.99			123
6795	RH-16A 26HZ 48"X24" 9 TON 75 HP D	72,249	24.20		4.51	9.61	3.74			153
6800	RP-16D 26HZ TF 48"X24" 9 TON 80 HP D	71,894	24.34		4.55	9.78	3.99			127
6805	RP-28D 25HZ TF 63"X84" 15 TON 110 HP D	94,410	32.31		5.93	12.72	5.48			212
6810	RS-28C 25HZ 60"X84" 15 TON 107 HP D	78,432	27.89		4.92	10.53	5.33			202
6815	RS-28D 25HZ 60"X84" 15 TON 107 HP D	84,824	29.58		5.33	11.41	5.33			208
6820	RH-28D 28HZ 60"X84"22.5TON 110 HP D	108,232	35.97		6.81	14.62	5.48			259
	ROLLER,VIB.DOUBLE DRUM,SELF-PROPELLED									
	TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS									
	DYNAPAC									
6830	LR-50 50HZ TANDEM 2 TON 16 HP D	11,132	4.00		0.70	1.52	0.80			25
6835	CC-10 50HZ TANDEM 2 TON 34 HP D	29,458	10.02		1.87	4.04	1.69			50
6840	CC-21 50HZ TANDEM 4 TON 71 HP D	69,428	23.04		4.41	9.52	3.54			137
6845	CC-42II 42HZ TANDEM 12 TON 125 HP D	93,197	32.87		5.92	12.78	6.23			200
6850	CC-50A 40HZ TANDEM 18 TON 155 HP D	112,781	40.02		7.16	15.46	7.72			310

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	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)									
6855	CC-50S 28HZ TANDEM 22 TON 181 HP D	136,320	47.97		8.66	18.69	9.02			342
6860	CC-50PD 28HZ TF TANDEM 22 TON 181 HP D	158,003	53.70		10.03	21.66	9.02			419
	RAYGO									
6870	REBEL 1-36 40HZ TANDEM 2 TON 16 HP D	10,668	3.89		0.68	1.47	0.80			23
6875	ROMPER 2-36 40HZ TANDEM 4 TON 35 HP D	24,553	8.80		1.56	3.37	1.74			40
6880	RUSTLER 5604A 50HZ TANDEM 5.5TON 70 HP D	63,762	21.47		4.05	8.74	3.49			132
6885	RUSTLER 7204A 38HZ TANDEM 8 TON 115 HP D	84,934	30.03		5.40	11.65	5.73			250
6890	RANGER 2-66 38HZ TANDEM 8 TON 119 HP D	113,324	37.81		7.19	15.54	5.93			215
	TAMPO									
6900	RS-03 60HZ 36"X24" 2 TON 14 HP G	10,992	4.89		0.70	1.51	1.50			23
6905	RS-144A 50HZ 42"X48" 8 TON 52 HP D	56,953	18.49		3.62	7.81	2.59			100
6910	RS-166A 36HZ 48"X66" 16 TON 80 HP D	84,734	27.69		5.38	11.62	3.99			200
6915	RS-188A 36HZ 60"X84" 30 TON 156 HP D	107,551	38.71		6.83	14.75	7.77			320
6920	RH-199 25HZ 60"X96" 45 TON 262 HP D	191,495	67.88		12.15	26.25	13.05			491
	SCRAPERS, SELF-PROPELLED									
	(CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)									
	CATERPILLAR									
6930	613-B 13 T 11 CY P.S. 150 HP D	125,159	33.59	43.38	7.05	13.92	5.50	16.30	7.19	307
6935	615 19 T 14-16 CY P.S. 250 HP D	208,226	54.86	71.48	11.65	23.67	9.16	27.85	11.98	525
6940	621-B 24 T 14-20 CY P.S. 330 HP D	264,000	66.83	86.93	14.82	30.19	10.86	35.54	14.27	662
6945	623-B 25 T 22 CY P.S. 330 HP D	293,745	75.69	98.23	16.49	33.62	12.10	39.57	15.82	720
6950	627-B 24 T 14-20 CY P.S. 225/225 HP D/D	302,928	83.17	109.04	17.07	34.91	15.65	41.10	20.30	733
6955	627-B PP 24 T 14-20 CY P.S. 225/225 HP D/D	321,630	86.63	113.33	18.15	37.17	15.65	43.77	20.30	776

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)									
6960	631-D 37.5T 21-31 CY P.S. 450 HP D	404,556	99.79	129.61	22.73	46.35	14.80	54.55	19.46	934
6965	633-D 37.5T 34 CY P.S. 450 HP D	460,936	114.37	147.71	25.98	53.17	16.50	62.62	21.57	1042
6970	637-D 37.5T 21-31 CY P.S. 450/250 HP D/D	496,931	133.65	174.58	28.06	57.53	24.35	67.76	31.58	1053
6975	637-D PP 37.5T 21-31 CY P.S. 450/250 HP D/D	518,472	137.64	179.54	29.31	60.13	24.35	70.84	31.58	1077
6980	639-D 37.5T 24-34 CY P.S. 450/250 HP D/D	570,979	149.97	196.57	32.19	65.86	24.35	77.56	31.58	1223
6985	651-E 52 T 32-44 CY P.S. 550 HP D	529,247	129.20	168.00	29.70	60.51	18.09	71.21	23.78	1308
6990	657-E 52 T 32-44 CY P.S. 550/400 HP D/D	645,835	176.06	230.36	36.44	74.62	33.04	87.88	42.86	1516
	FIAT-ALLIS									
7005	161 18.7 T 15 CY P.S. 229 HP D	179,089	47.38	61.41	10.06	20.54	8.40	24.18	10.98	466
7010	260B 25.0 T 15-21 CY P.S. 325 HP D	236,396	61.28	79.81	13.26	26.98	10.69	31.75	14.05	585
7015	261B 26.5 T 23 CY P.S. 325 HP D	266,221	69.24	89.52	15.00	30.69	11.91	36.14	15.58	635
7020	262B 25.0 T 15-21 CY P.S. 325/171 HP D/D	286,235	81.15	106.02	16.16	33.12	17.25	39.00	22.38	679
7025	263-B 26.5 T 23 CY P.S. 325/171 HP D/D	342,032	91.97	119.76	19.36	39.75	17.25	46.83	22.38	742
	INTERNATIONAL									
7035	412B 13 T 11 CY P.S. 125 HP D	129,054	32.80	42.16	7.30	14.48	4.58	16.97	5.99	335
7040	431B 24 T 14-21 CY P.S. 326 HP D	253,305	64.73	84.31	14.20	28.90	10.73	34.01	14.10	609
7045	433B 24 T 14-21 CY P.S. 326/185 HP D/D	297,474	84.82	111.25	16.75	34.25	17.77	40.32	23.06	700
7050	442B 25 T 22 CY P.S. 326 HP D	283,139	73.05	94.66	15.92	32.51	11.95	38.28	15.63	680
	JOHN DEERE									
7060	JD762A 13.7 T 11 CY P.S. 175 HP D	132,101	35.96	46.23	7.47	14.83	6.42	17.38	8.39	355
7065	JD862 20.0 T 16 CY P.S. 250 HP D	180,035	48.56	62.96	10.12	20.66	9.16	24.32	11.98	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)									
7075	S-23E 26.5T 23 CY P.S. 310 HP D	259,244	67.84	88.15	14.55	29.62	11.36	34.86	14.86	660
7080	S-24B 40.8T 24-34 CY P.S. 475 HP D	412,289	103.36	134.81	23.08	46.89	15.63	55.16	20.54	955
7085	TS-14B 23.5T 14-20 CY P.S. 144/144 HP D/D	265,109	68.12	89.37	14.94	30.55	10.02	35.98	12.99	544
7090	TS-24 40 T 24-32 CY P.S. 394/225 HP D/D	448,874	120.87	158.37	25.31	51.79	21.53	60.99	27.93	960
7095	TS-24B 40.8T 24-34 CY P.S. 475/242 HP D/D	528,432	141.87	185.92	29.79	60.95	24.94	71.76	32.35	1084
	SCRAPER, TRACTOR DRAWN									
	ROME									
7110	R67H 18T 12-17CY HYDR/CONTROL	74,377	12.98	15.56	3.88	7.16	0.00	8.08	0.00	235
7115	R89H 27T 18-26CY HYDR/CONTROL	98,703	17.57	21.13	5.09	9.25	0.00	10.41	0.00	365
	SOUTHWEST-HUME									
7125	SOUTHWEST DS18 DRAG SCRAPER 8.8 CY	37,929	6.69	8.03	1.96	3.58	0.00	4.03	0.00	137
	SOIL STABILIZER									
	BOMAG									
7135	MOD MPH-50 12"DEEP BY 82"WIDE 152 HP D	95,180	25.99	33.66	5.46	10.97	5.57	12.88	7.29	208
7140	MOD MPH-100 14.5"DEEP X 79"WIDE 304 HP D	154,733	45.44	59.21	8.83	17.68	11.14	20.75	14.57	300
	BROS									
7150	MOD LSPRM-8A MASTER MIXER 19" DP 335 HP D	140,535	42.95	55.29	8.09	16.33	12.28	19.18	16.06	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	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	AVERAGE COND. FUEL	SEVERE COND. OWNER-SHIP	SEVERE COND. FUEL	CWT
	TRACTOR, CRAWLER (DOZER)											
	CATERPILLAR											
7160	D-3B	P.S.	65 HP D	37,617	11.65	14.89	2.18	4.29	2.51	5.02	3.30	136
7165	3P	POWER ANGLE & POWER TILT		8,917	1.81	2.27	0.52	1.05	0.00	1.23	0.00	26
7170	D-4E	P.S.	80 HP D	54,832	16.19	20.68	3.17	6.25	3.08	7.31	4.06	202
7175	4A	ANGLE BLADE HYDRAULIC		10,624	2.14	2.69	0.61	1.25	0.00	1.47	0.00	28
7180	4S	STRAIGHT BLADE HYDRAULIC		8,339	1.71	2.12	0.49	0.99	0.00	1.15	0.00	25
7185	D-5B	P.S.	105 HP D	85,395	24.21	30.86	4.94	9.74	4.05	11.39	5.33	247
7190	5A	ANGLE BLADE HYDRAULIC		14,071	2.80	3.54	0.81	1.65	0.00	1.95	0.00	43
7195	5S	STRAIGHT BLADE HYDRAULIC		11,155	2.24	2.82	0.64	1.31	0.00	1.54	0.00	38
7200		WINCH (W/O CABLE)		15,628	3.11	3.92	0.90	1.84	0.00	2.16	0.00	22
7205	D-60	P.S.	140 HP D	119,544	33.51	42.73	6.91	13.62	5.40	15.95	7.11	299
7210	6S	STRAIGHT BLADE HYDRAULIC		14,734	2.94	3.70	0.86	1.74	0.00	2.04	0.00	49
7215	6A	ANGLE BLADE HYDRAULIC		16,511	3.28	4.14	0.95	1.94	0.00	2.29	0.00	53
7220		WINCH (W/O CABLE)		17,007	3.38	4.27	0.98	2.00	0.00	2.36	0.00	25
7225	D-7G	P.S.	200 HP D	167,935	47.24	60.23	9.71	19.14	7.71	22.40	10.15	378
7230	7S	STRAIGHT BLADE HYDRAULIC		21,829	4.32	5.44	1.27	2.57	0.00	3.02	0.00	77
7235	7U	HYD. UNIVERSAL BLADE		23,904	4.71	5.96	1.38	2.81	0.00	3.31	0.00	84
7240	7A	ANGLE BLADE HYDRAULIC		18,988	3.77	4.75	1.10	2.24	0.00	2.63	0.00	68
7245		WINCH (W/O CABLE)		19,749	3.94	4.95	1.15	2.33	0.00	2.73	0.00	30
7250	D-8L	P.S.	335 HP D	258,775	69.21	88.46	14.95	30.46	12.91	35.84	17.00	735
7255	8S	STRAIGHT BLADE HYDRAULIC		32,013	6.33	8.00	1.85	3.77	0.00	4.44	0.00	120
7260	8U	HYD. UNIVERSAL BLADE		35,255	6.97	8.79	2.04	4.15	0.00	4.88	0.00	133
7265	8A	ANGLE BLADE HYDRAULIC		31,687	6.28	7.92	1.83	3.73	0.00	4.39	0.00	133
7270		PUSH PLATE USE W/8S		915	0.22	0.28	0.05	0.10	0.00	0.13	0.00	6
7275		WINCH (W/O CABLE)		25,518	5.10	6.42	1.47	3.00	0.00	3.53	0.00	47
7280	D-9L	P.S.	460 HP D	344,951	83.50	103.77	18.53	36.84	17.73	41.91	23.35	1004
7285	9S	STRAIGHT BLADE HYDRAULIC		43,669	8.65	10.92	2.52	5.14	0.00	6.05	0.00	184
7290	9U	HYD. UNIVERSAL BLADE		46,143	9.14	11.53	2.66	5.43	0.00	6.39	0.00	195

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)									
7295	9C CUSHION BLADE	38,476	7.62	9.61	2.22	4.52	0.00	5.32	0.00	160
7300	REAR CUSHION PUSH BLOCK	11,394	2.33	2.92	0.66	1.34	0.00	1.58	0.00	41
7305	FRONT PUSH PLATE	1,228	0.32	0.38	0.08	0.15	0.00	0.17	0.00	9
7310	WINCH (W/O CABLE)	27,654	5.57	7.00	1.60	3.26	0.00	3.83	0.00	51
7315	D-10 P.S. 700 HP D	579,870	136.86	169.83	31.14	61.92	26.98	70.45	35.53	1539
7320	10S STRAIGHT BLADE HYDRAULIC	66,456	13.17	16.61	3.84	7.82	0.00	9.20	0.00	280
7325	10U HYD. UNIVERSAL BLADE	73,081	14.47	18.25	4.22	8.60	0.00	10.12	0.00	286
7330	FRONT PUSH PLATE	1,420	0.35	0.42	0.08	0.16	0.00	0.19	0.00	8
7335	10C CUSHION BLADE	49,165	9.74	12.29	2.84	5.79	0.00	6.81	0.00	198
	FIAT-ALLIS									
7345	FD5 P.S. W/HYD. ANGLE TILT BLADE 63 HP D	46,503	13.48	17.20	2.69	5.30	2.43	6.20	3.20	140
7350	FD7 P.S. W/POW. ANGLE TILT BLADE 78 HP D	54,665	16.06	20.51	3.16	6.23	3.01	7.30	3.96	175
7355	8-B P.S. 88 HP D	58,111	17.33	22.15	3.36	6.62	3.39	7.75	4.47	215
7360	8-HA ANGLE BLADE HYDRAULIC	9,030	1.83	2.30	0.52	1.06	0.00	1.25	0.00	30
7365	8-HSU SEMI-U BLADE HYDRAULIC	9,018	1.80	2.27	0.52	1.06	0.00	1.25	0.00	30
7370	10-C P.S. 122 HP D	80,794	24.08	30.76	4.67	9.21	4.70	10.78	6.19	280
7375	10-HA ANGLE BLADE HYDRAULIC	10,049	2.03	2.55	0.58	1.18	0.00	1.39	0.00	36
7380	10-HSU SEMI-U BLADE HYDRAULIC	12,305	2.44	3.07	0.72	1.45	0.00	1.70	0.00	38
7385	14-C P.S. 150 HP D	105,424	30.94	39.51	6.10	12.02	5.78	14.07	7.61	335
7390	14-HA ANGLE BLADE HYDRAULIC	15,392	3.06	3.86	0.89	1.81	0.00	2.13	0.00	51
7395	14-HSU SEMI-U BLADE HYDRAULIC	15,368	3.03	3.83	0.89	1.81	0.00	2.13	0.00	51
7400	FD 20 P.S. 223 HP D	159,673	46.64	59.55	9.23	18.20	8.59	21.30	11.32	535
7405	20-HA ANGLE BLADE HYDRAULIC	16,370	3.26	4.11	0.95	1.93	0.00	2.27	0.00	66
7410	20-HS STRAIGHT BLADE HYDRAULIC	17,196	3.41	4.31	0.99	2.02	0.00	2.38	0.00	66
7415	20-HSU SEMI-U BLADE HYDRAULIC	23,356	4.58	5.79	1.35	2.75	0.00	3.23	0.00	79
7420	FD 30 P.S. 300 HP D	246,158	64.92	82.93	14.23	28.98	11.56	34.09	15.23	775

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

UNIT NO.	EQUIPMENT			VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	TRACTOR, CRAWLER (DOZER) (CONT'D)											
	FIAT-ALLIS (CONT'D)											
7425	30HSU	HYD. SEMI-UNIVERSAL BLADE		32,505	6.43	8.11	1.88	3.83	0.00	4.50	0.00	127
7430	30-HU	FULL-U BLADE HYDRAULIC		33,009	6.51	8.21	1.91	3.89	0.00	4.57	0.00	114
7435	FD40	P.S.	455 HP D	354,565	84.98	105.55	19.04	37.86	17.54	43.08	23.10	1128
7440	40-HSU	SEMI-U BLADE HYDRAULIC		49,111	9.75	12.30	2.84	5.78	0.00	6.81	0.00	222
7445	40-HU	FULL-U BLADE HYDRAULIC		50,361	10.01	12.63	2.91	5.92	0.00	6.97	0.00	254
7450	40-HC	CUSHION BLADE		31,433	6.22	7.84	1.82	3.70	0.00	4.35	0.00	120
7455	FD 50	P.S.	525 HP D	476,866	110.13	136.47	25.61	50.92	20.23	57.93	26.65	1280
7460	50-HSU	SEMI-U BLADE HYDRAULIC		56,710	11.26	14.21	3.27	6.67	0.00	7.86	0.00	250
7465	50-HU	FULL-U BLADE HYDRAULIC		64,918	12.84	16.20	3.75	7.64	0.00	8.98	0.00	280
7470	50-HC	CUSHION BLADE		36,178	7.14	9.01	2.09	4.26	0.00	5.01	0.00	140
	INTERNATIONAL											
7480	TD-7-E	P.S. W/HYD BLADE	65 HP D	48,988	14.13	18.04	2.83	5.58	2.51	6.54	3.30	139
7485	TD-8-E	P.S. W/HYD BLADE	78 HP D	62,582	17.79	22.70	3.61	7.13	3.01	8.35	3.96	172
7490	TD-12	P.S. W/HYD BLADE	110 HP D	91,024	25.70	32.76	5.27	10.38	4.24	12.14	5.58	267
7495	TD-15-C	P.S.	140 HP D	116,418	32.83	41.86	6.73	13.27	5.40	15.53	7.11	271
7500	15D-2	HYD. SEMI-UNIVERSAL BLADE		12,547	2.48	3.13	0.72	1.47	0.00	1.73	0.00	46
7505	15G-2	ANGLE BLADE HYDRAULIC		14,151	2.80	3.53	0.82	1.67	0.00	1.96	0.00	50
7510	TD-20-E	P.S.	210 HP D	180,693	50.55	64.47	10.44	20.59	8.09	24.11	10.66	476
7515	20D-2	HYD. SEMI-UNIVERSAL BLADE		22,243	4.37	5.52	1.29	2.62	0.00	3.08	0.00	61
7520	20G-2	ANGLE BLADE HYDRAULIC		14,962	2.96	3.73	0.87	1.77	0.00	2.07	0.00	71
7525	TD-25-E	P.S.	310 HP D	232,277	62.58	80.01	13.42	27.34	11.95	32.16	15.74	700
7530	25D-2	HYD. SEMI-UNIVERSAL BLADE		27,311	5.39	6.81	1.58	3.21	0.00	3.78	0.00	113
7535	25G-2	ANGLE BLADE HYDRAULIC		22,507	4.49	5.66	1.30	2.65	0.00	3.12	0.00	115
7540		FRONT PUSHER CUSHION		9,499	1.92	2.42	0.55	1.12	0.00	1.32	0.00	29
7545		REAR PUSHER CUSHION		5,505	1.20	1.48	0.32	0.65	0.00	0.76	0.00	23
7550		FRONT PUSH BLK FOR S/BLD		842	0.24	0.28	0.05	0.10	0.00	0.11	0.00	12

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

UNIT NO.	EQUIPMENT				VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	TRACTOR, CRAWLER (DOZER) (CONT'D)												
	JOHN DEERE												
7560	JD350C/6305	D.D. W/HYD BLADE	42 HP	D	34,580	9.77	12.47	2.00	3.94	1.62	4.62	2.13	107
7565	JD450C/6405	D.D. W/HYD BLADE	65 HP	D	47,693	13.84	17.67	2.75	5.43	2.51	6.36	3.30	143
7570	JD550A/6405	P.S. W/HYD BLADE	72 HP	D	57,185	16.28	20.78	3.30	6.51	2.77	7.63	3.65	156
7575	JD750 LPG	H.S. W/STR BLADE	110 HP	D	109,625	29.76	37.90	6.33	12.49	4.24	14.62	5.58	336
7580	JD850 LPG	H.S. W/STR BLADE	145 HP	D	145,589	39.47	50.26	8.42	16.59	5.59	19.42	7.36	449
	KOMATSU												
7590	D31A-17	H.S.	66 HP	D	39,901	12.20	15.60	2.31	4.55	2.54	5.33	3.35	132
7595		ANGLE TILTDOZER BLADE			6,467	1.30	1.64	0.37	0.76	0.00	0.90	0.00	20
7600	D45A-1	H.S.	90 HP	D	59,869	17.82	22.76	3.46	6.82	3.47	7.98	4.57	200
7605		ANGLE TILTDOZER BLADE			7,016	1.42	1.77	0.41	0.83	0.00	0.97	0.00	24
7610	D53A-16A	H.S.	118 HP	D	87,810	25.41	32.43	5.08	10.01	4.55	11.71	5.99	246
7615		ANGLE TILTDOZER BLADE			7,665	1.53	1.94	0.44	0.90	0.00	1.07	0.00	42
7620	D65E-7	H.S.	165 HP	D	124,265	35.85	45.75	7.18	14.16	6.36	16.57	8.38	377
7625		ANGLE TILTDOZER BLADE			9,995	1.99	2.51	0.58	1.18	0.00	1.39	0.00	61
7630	D85E-18	H.S.	220 HP	D	164,620	47.57	60.71	9.51	18.76	8.48	21.96	11.17	437
7635		ANGLE TILTDOZER BLADE			15,636	3.11	3.92	0.90	1.84	0.00	2.16	0.00	99
7640		U-DOZER BLADE			16,687	3.33	4.20	0.96	1.96	0.00	2.31	0.00	104
7645	D155A-1	H.S.	320 HP	D	226,488	61.89	79.16	13.09	26.66	12.33	31.36	16.24	690
7650		ANGLE TILTDOZER BLADE			21,452	4.30	5.41	1.24	2.52	0.00	2.97	0.00	140
7655		U-DOZER BLADE			22,668	4.54	5.70	1.31	2.67	0.00	3.13	0.00	142
7660	D355A-3	H.S.	410 HP	D	302,041	81.71	104.48	17.46	35.56	15.80	41.82	20.81	945
7665		U-DOZER BLADE			29,149	5.85	7.36	1.68	3.43	0.00	4.03	0.00	196
7670		STRAIGHT DOZER BLADE			26,529	5.32	6.70	1.53	3.12	0.00	3.67	0.00	184
7675	D455A-1	H.S.	620 HP	D	535,063	125.03	155.08	28.73	57.13	23.89	65.01	31.47	1445
7680		FULL U-DOZER BLADE			70,613	13.94	17.59	4.08	8.31	0.00	9.77	0.00	229
7685		U-DOZER BLADE			66,374	13.09	16.52	3.84	7.81	0.00	9.19	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
	TRACTOR, CRAWLER (DOZER) (CONT'D)									
	KOMATSU (CONT'D)									
7690	STRAIGHT DOZER BLADE	62,133	12.25	15.47	3.59	7.32	0.00	8.61	0.00	193
	TEREX (GM)									
7700	D700A P.S. (W/O BLADE) 205 HP D	159,872	45.73	58.37	9.23	18.21	7.90	21.33	10.41	409
7705	SEMI-U BLADE HYDRAULIC	15,568	3.07	3.88	0.90	1.83	0.00	2.16	0.00	58
7710	ANGLE BLADE HYDRAULIC	17,425	3.43	4.33	1.01	2.05	0.00	2.41	0.00	69
7715	FULL-U BLADE HYDRAULIC	17,845	3.51	4.44	1.03	2.10	0.00	2.47	0.00	68
7720	D750 P.S. (W/O BLADE) 260 HP D	186,510	50.80	64.97	10.78	21.96	10.02	25.83	13.20	555
7725	SEMI-U BLADE HYDRAULIC	21,991	4.32	5.46	1.27	2.59	0.00	3.05	0.00	91
7730	ANGLE BLADE HYD. W/DUAL TILT	28,851	5.65	7.14	1.67	3.40	0.00	3.99	0.00	118
7735	FULL-U BLADE HYDRAULIC	23,988	4.71	5.95	1.39	2.83	0.00	3.33	0.00	107
7740	D800 P.S. (W/O BLADE) 350 HP D	249,855	68.14	87.14	14.44	29.42	13.49	34.60	17.77	787
7745	SEMI-U BLADE HYDRAULIC	28,735	5.70	7.18	1.67	3.39	0.00	3.98	0.00	118
7750	FULL-U BLADE HYDRAULIC	31,501	6.24	7.88	1.82	3.71	0.00	4.37	0.00	129
7755	CUSHIONED PUSH BLADE	27,529	5.45	6.87	1.59	3.24	0.00	3.81	0.00	113
7760	PUSH PLATE (WELD ON)	1,159	0.27	0.33	0.06	0.13	0.00	0.16	0.00	6
7765	PUSH BLOCK (CUSHION REAR)	7,392	1.54	1.93	0.43	0.87	0.00	1.03	0.00	21
	TRACTOR, WHEEL TYPE (DOZER)									
	CATERPILLAR									
7775	814-B ARTICULATED ST BLADE P.S. 210 HP D	159,446	39.68	52.20	9.05	17.97	7.50	21.07	9.87	465
7780	824-C ARTICULATED ST BLADE P.S. 310 HP D	230,316	59.48	80.56	12.91	25.28	11.07	29.57	14.57	624
7785	834-B ARTICULATED ST BLADE P.S. 450 HP D	341,462	85.21	114.00	19.05	37.15	16.07	43.46	21.15	892
	CLARK									
7795	280B ARTICULATED ST BLADE P.S. 302 HP D	261,452	65.21	88.36	14.65	28.70	10.79	33.59	14.19	749
7800	380B ARTICULATED ST BLADE P.S. 572 HP D	442,225	109.57	146.05	24.72	48.33	20.43	56.54	26.88	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											
7810	MOD 301 A	43 HP	D	14,092	4.63	6.08	0.80	1.59	1.54	1.86	2.02	38
7815	MOD 401 B	62 HP	D	17,960	6.18	8.09	1.02	2.02	2.21	2.38	2.91	45
	TRENCHER, CHAIN											
	DITCH WITCH											
7825	MOD C99 6"X24" TRENCH	9 HP	G	3,319	1.61	2.06	0.19	0.38	0.70	0.44	0.91	6
7830	MOD 2200 8"X36" TRENCH	18 HP	G	13,489	4.58	5.88	0.77	1.56	1.40	1.83	1.83	30
7835	MOD 2300 10"X36" TRENCH	28 HP	G	18,787	6.67	8.59	1.08	2.17	2.18	2.56	2.84	33
7840	MOD 6510 12"X54" TRENCH	64 HP	D	34,155	10.03	12.88	1.96	3.92	2.29	4.60	3.01	106
7845	MOD R100 10"X72" TRENCH	105 HP	D	70,036	19.32	24.77	4.01	8.07	3.75	9.48	4.93	175
	VERMEER											
7860	MOD V-430 10"X40" TRENCH	24 HP	D	23,040	5.86	7.50	1.32	2.67	0.86	3.14	1.13	37
7865	MOD M-455 18"X72" TRENCH	44 HP	D	45,239	11.39	14.57	2.60	5.22	1.57	6.13	2.07	82
7870	MOD M-475 18"X72" TRENCH	55 HP	D	50,007	12.87	16.47	2.87	5.78	1.96	6.79	2.58	89
7875	MOD T-600024"X96" TRENCH	113 HP	D	78,919	21.40	27.38	4.57	9.26	4.04	10.89	5.31	202
7880	MOD T-800B36"X96" TRENCH	175 HP	D	155,697	40.02	51.10	9.00	18.26	6.25	21.47	8.22	419
	TRENCHER, WHEEL TYPE											
	BARBER-GREENE											
7890	MOD TA 56 16"X5'-10" TRENCH	100 HP	D	128,752	31.05	39.58	7.44	15.10	3.57	17.76	4.70	254
7895	MOD TA 65 28"X7'-6" TRENCH	160 HP	D	187,891	45.95	58.60	10.86	22.03	5.72	25.91	7.52	431
7900	MOD TA 77 32"X8'-6" TRENCH	160 HP	D	240,312	56.74	72.27	13.89	28.18	5.72	33.14	7.52	605
	CLEVELAND											
7910	MOD 236 17"X72" TRENCH	67 HP	D	103,389	24.32	30.97	5.97	12.12	2.39	14.25	3.15	180
7915	MOD 236HD 21"X72" TRENCH	67 HP	D	112,546	26.21	33.36	6.50	13.20	2.39	15.52	3.15	200
7920	MOD 246 25"X72" TRENCH	67 HP	D	115,949	26.91	34.25	6.70	13.60	2.39	15.99	3.15	206

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 (CONT'D)									
7925	MOD 350 30"X90" TRENCH 150 HP D	220,147	52.14	66.40	12.73	25.82	5.36	30.36	7.05	455
7930	MOD 400WHD36"X114"TRENCH 175 HP D	273,066	64.15	81.70	15.78	32.02	6.25	37.66	8.22	659
	TRUCKS, HIGHWAY (CHASSIS ONLY)									
	FORD									
7945	F150 4X2 1/2T PKUP 6100 GVW 137 HP G	8,081	5.45	7.06	0.57	1.27	2.42	1.47	3.23	38
7950	F150 4X4 1/2T PKUP 6250 GVW 137 HP G	10,057	6.03	7.81	0.72	1.60	2.42	1.85	3.23	42
7955	F250 4X2 3/4T PKUP 6900 GVW 137 HP G	8,908	5.71	7.38	0.63	1.40	2.42	1.61	3.23	40
7960	F250 4X4 3/4T PKUP 7400 GVW 137 HP G	10,501	6.18	8.00	0.74	1.65	2.42	1.91	3.23	44
7965	F350 2AX 10000 GVW 137 HP G	9,533	5.95	7.68	0.66	1.47	2.42	1.69	3.23	42
7970	F600 2AX 18500 GVW 154 HP G	16,700	12.04	15.67	1.02	2.06	6.36	2.54	8.18	65
7975	F600 2AX 18500 GVW 162 HP D	23,204	10.01	13.23	1.43	2.91	3.89	3.60	5.05	65
7980	F700 2AX 24500 GVW 177 HP G	19,364	13.82	18.01	1.19	2.41	7.31	2.97	9.40	65
7985	F700 2AX 24500 GVW 162 HP D	26,217	10.64	14.08	1.62	3.31	3.89	4.09	5.05	73
7990	F800 2AX 27000 GVW 177 HP G	21,340	14.28	18.62	1.31	2.65	7.31	3.27	9.40	72
7995	F800 2AX 27000 GVW 162 HP D	27,484	11.19	14.80	1.66	3.34	3.89	4.13	5.05	76
8000	LT800 3AX 43000 GVW 223 HP G	33,300	25.78	33.65	2.05	4.30	13.68	5.34	17.63	110
8005	LT8000 3AX 44800 GVW 175 HP D	45,778	18.56	24.64	2.82	5.94	6.30	7.39	8.19	126
8010	LTS8000 3AX 46000 GVW 175 HP D	47,922	19.04	25.27	2.95	6.22	6.30	7.74	8.19	130
8015	LNT8000 3AX 46000 GVW 175 HP D	45,306	18.48	24.51	2.79	5.86	6.30	7.29	8.19	124
8020	CT8000 3AX 46000 GVW 175 HP D	52,850	20.09	26.68	3.27	6.90	6.30	8.57	8.19	136
8025	LT9000 3AX 58000 GVW 82000 GCW 239 HP D	69,621	26.90	35.73	4.30	9.08	8.60	11.29	11.19	172
8030	LTS9000 3AX 60000 GVW 82000 GCW 239 HP D	73,972	27.88	37.04	4.57	9.63	8.60	11.97	11.19	180
8035	LNT9000 3AX 60000 GVW 82000 GCW 239 HP D	70,152	27.07	35.94	4.33	9.11	8.60	11.32	11.19	175
8040	CLT9000 3AX 82000 GCW 286 HP D	68,984	28.82	38.22	4.27	9.04	10.30	11.24	13.38	149

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)									
	GMC AND CHEVROLET									
8050	C10903 4X2 1/2T PKUP 6100 GVW 165 HP G	8,052	6.08	7.91	0.56	1.26	2.92	1.46	3.89	46
8055	C10906 4X2 SUBURBAN 6800 GVW 165 HP G	10,420	6.75	8.75	0.74	1.65	2.92	1.91	3.89	52
8060	K10906 4X4 SUBURBAN 7000 GVW 165 HP G	11,471	7.07	9.15	0.81	1.82	2.92	2.11	3.89	56
8065	C20903 4X2 3/4T PKUP 8600 GVW 165 HP G	9,619	6.54	8.47	0.68	1.53	2.92	1.76	3.89	49
8070	K20903 4X4 3/4T PKUP 6600 GVW 165 HP G	11,204	7.01	9.05	0.79	1.78	2.92	2.05	3.89	54
8075	C30903 2AX 9000 GVW 160 HP G	10,784	6.83	8.84	0.76	1.68	2.83	1.93	3.78	62
8080	C5D042 2AX 18500 GVW 161 HP G	15,405	12.14	15.79	0.94	1.89	6.65	2.33	8.55	59
8085	C6D042 2AX 19200 GVW 161 HP G	16,725	12.41	16.16	1.02	2.06	6.65	2.54	8.55	63
8090	C6D042 2AX 23160 GVW 165 HP D	23,752	10.21	13.52	1.46	2.98	3.96	3.69	5.15	73
8095	C7D042 2AX 23160 GVW 179 HP G	17,718	13.63	17.72	1.08	2.17	7.39	2.67	9.50	78
8100	C7D042 2AX 29900 GVW 225 HP D	35,488	14.60	19.34	2.19	4.47	5.40	5.53	7.02	96
8105	C7D064 3AX 44860 GVW 207 HP G	31,843	24.31	31.74	1.94	4.02	12.70	4.99	16.37	123
8110	C7D064 3AX 44500 GVW 205 HP D	38,308	18.38	24.28	2.35	4.91	7.38	6.10	9.59	127
8115	J8C042 2AX 33200 GVW 235 HP D	44,024	20.79	27.51	2.72	5.75	8.46	7.16	11.00	107
8120	J8C064 3AX 48860 GVW 210 HP D	49,441	20.98	27.81	3.05	6.43	7.56	8.01	9.83	140
8125	J9C042 2AX 53911 GVW 230 HP D	48,777	17.67	23.46	3.01	6.14	5.52	7.60	7.18	122
8130	J9C064 3AX 48860 GVW 300 HP D	57,605	26.86	35.56	3.57	7.55	10.80	9.40	14.04	144
8135	N9E064 3AX 52000 GVW 307 HP D	59,653	27.82	36.78	3.67	7.72	11.05	9.60	14.37	141
8140	N9E064 3AX 62000 GVW 307 HP D	69,580	30.06	39.80	4.29	9.04	11.05	11.24	14.37	180
	INTERNATIONAL									
8150	1654 2AX 16000 GVW 155 HP D	17,694	8.59	11.32	1.09	2.23	3.72	2.75	4.84	57
8155	1724 2AX 16000 GVW 147 HP G	15,753	11.38	14.83	0.97	1.97	6.07	2.44	7.81	65
8160	1754 2AX 16000 GVW 165 HP D	22,745	9.93	13.14	1.41	2.89	3.96	3.58	5.15	71
8165	1954 2AX 21700 GVW 180 HP D	28,670	11.69	15.50	1.77	3.63	4.32	4.50	5.62	100
8170	F2554 3AX 43000 GVW 210 HP D	45,946	20.24	26.80	2.83	5.96	7.56	7.41	9.83	123
8175	F2574 3AX 50000 GVW 230 HP D	60,888	24.35	32.32	3.78	8.01	8.28	9.97	10.76	123

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	TRUCKS, HIGHWAY (CONT'D)									
	(CHASSIS ONLY)									
	INTERNATIONAL (CONT'D)									
8180	F4370 3AX 48860 GVW 300 HP D	63,897	28.21	37.39	3.97	8.42	10.80	10.48	14.04	133
8185	F5050 3AX 54000 GVW 210 HP D	62,190	23.71	31.51	3.86	8.19	7.56	10.19	9.83	138
8190	F5070 3AX 54000 GVW 230 HP D	65,011	25.22	33.51	4.04	8.57	8.28	10.67	10.76	140
	KENWORTH									
8200	K100 3AX 48000 GVW 85000 GCW 300 HP D	68,419	29.26	38.80	4.25	9.00	10.80	11.20	14.04	138
8205	W900 3AX 48000 GVW 85000 GCW 300 HP D	68,940	29.37	38.95	4.28	9.07	10.80	11.29	14.04	140
8210	C500 3AX 56000 GVW 85000 GCW 270 HP D	74,145	29.10	38.67	4.61	9.78	9.72	12.18	12.54	144
	PETERBILT									
8220	MOD 348 3AX 50000 GVW 85000 GCW 245 HP D	76,153	28.63	38.10	4.72	9.98	8.82	12.42	11.47	121
8225	MOD 362 3AX 46000 GVW 85000 GCW 300 HP D	66,758	28.91	38.32	4.15	8.78	10.80	10.92	14.04	131
8230	MOD 359 3AX 46000 GVW 85000 GCW 300 HP D	64,350	28.39	37.63	3.99	8.44	10.80	10.51	14.04	134
8235	MOD 353 3AX 56000 GVW 130000 GCW 350 HP D	71,710	32.27	42.75	4.46	9.45	12.60	11.76	16.38	174
	TRUCK ACCESSORIES									
	(CHASIS NOT INCLUDED)									
	CRANES, HYDRAULIC									
8245	5.3T@5'RAD 24000 GVW MIN	25,764	5.87		1.64	3.55	0.00			79
8250	8.0T@3'RAD 26500 GVW MIN	31,002	7.04		1.97	4.27	0.00			84
8255	12.5T@4'RAD 27000 GVW MIN	47,973	10.84		3.05	6.61	0.00			142
8260	13.5T@4'RAD 44000 GVW MIN	59,386	13.40		3.77	8.19	0.00			158
8265	15.0T@4'RAD 48000 GVW MIN	65,580	14.79		4.17	9.04	0.00			211
	DUMP BODY, REAR, W/HOIST									
8275	5CY 24000 TO 26000 GVW	6,153	1.47	1.96	0.39	0.85	0.00	1.06	0.00	25
8280	AIR GATE 8CY 27000 TO 30000 GVW	9,716	2.27	3.03	0.62	1.34	0.00	1.67	0.00	44
8285	AIR GATE 10CY 36000 AND UP GVW	9,823	2.29	3.07	0.62	1.35	0.00	1.69	0.00	45

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 (CONT'D)									
8290	AIR GATE 12CY 36000 AND UP GVW	9,963	2.33	3.12	0.64	1.38	0.00	1.72	0.00	46
	FLATBEDS W/CONT. SIDES									
8300	8'X9.5'	1,973	0.45		0.13	0.28	0.00			11
8305	8'X10.5'	2,034	0.46		0.13	0.28	0.00			12
8310	8'X12.5'	2,221	0.50		0.15	0.31	0.00			14
8315	8'X14.5'	2,641	0.59		0.17	0.36	0.00			16
8320	8'X16.5'	2,891	0.65		0.18	0.40	0.00			18
8325	FLATBED-HOIST	2,765	0.62		0.18	0.38	0.00			10
	HOISTS, ELECTRIC									
8335	1500LB@1.75'	2,371	0.61		0.15	0.32	0.00			4
8340	2400LB@3'	2,752	0.71		0.18	0.38	0.00			6
8345	5000LB@4'	7,610	1.79		0.48	1.04	0.00			15
8350	6000LB@6'	8,596	2.01		0.54	1.18	0.00			14
	TRANSIT MIXERS									
8360	7 CY 40000 - 50000 GVW RQD	26,798	6.14		1.71	3.70	0.00			63
8365	8 CY 50000 - 70000 GVW RQD	27,207	6.22		1.73	3.75	0.00			66
8370	8.5CY 55000 - 75000 GVW RQD	27,483	6.28		1.74	3.78	0.00			68
8375	9 CY 61000 - 80000 GVW RQD	27,866	6.37		1.77	3.84	0.00			73
	WATER TANKS									
8385	2000 GAL 23500-28000 GVW	11,916	2.67		0.76	1.64	0.00			35
8390	2500 GAL 25000-34950 GVW	12,547	2.81		0.80	1.73	0.00			39
8395	3000 GAL 29000-40000 GVW	13,328	2.99		0.85	1.84	0.00			44

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									
	BOTTOM DUMP									
8405	18CY 27T	26,013	5.07	6.37	1.45	2.93	0.00	3.45	0.00	122
8410	20CY 30T	30,875	5.94	7.48	1.73	3.52	0.00	4.14	0.00	140
8415	30CY 30T	31,109	5.99	7.54	1.74	3.55	0.00	4.18	0.00	160
8420	28CY 42T	37,110	7.20	9.04	2.07	4.18	0.00	4.92	0.00	180
8425	20CY 35T OFF-HIGHWAY	43,930	8.36	10.53	2.47	5.05	0.00	5.95	0.00	175
8430	32CY 55T OFF-HIGHWAY	93,292	18.15	22.79	5.16	10.36	0.00	12.17	0.00	365
8435	43CY 70T OFF-HIGHWAY	104,151	20.33	25.52	5.74	11.51	0.00	13.52	0.00	445
	END DUMP									
8445	20CY 24T	34,570	6.61	8.33	1.95	3.97	0.00	4.67	0.00	146
	LOWBOY, RIGID NECK, DROP DECK									
8455	25 TON 2 AXLE	20,484	3.63		1.13	2.04	0.00			89
8460	30 TON 2 AXLE	22,727	4.00		1.26	2.27	0.00			94
8465	35 TON 2 AXLE	24,770	4.33		1.37	2.49	0.00			109
8470	35 TON 3 AXLE	28,487	5.07		1.58	2.82	0.00			134
8475	40 TON 3 AXLE	29,718	5.31		1.64	2.94	0.00			144
8480	50 TON 3 AXLE	34,224	6.04		1.90	3.42	0.00			161
8485	60 TON 3 AXLE	36,922	6.63		2.02	3.59	0.00			188
8490	70 TON 3 AXLE	44,904	7.90		2.48	4.46	0.00			213
8495	75 TON 3 AXLE	46,262	8.12		2.57	4.62	0.00			228
8500	80 TON 4 AXLE	53,041	9.21		2.95	5.36	0.00			266
8505	90 TON 4 AXLE	57,134	10.02		3.17	5.72	0.00			297
8510	100 TON 4 AXLE	64,069	11.20		3.55	6.41	0.00			313
8515	120 TON 4 AXLE	74,462	13.21		4.09	7.29	0.00			351
8520	HELPER DOLLY 60 T TRAILER MAX	17,642	3.20		0.97	1.71	0.00			62

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)									
	PLATFORM TRAILERS									
8530	25 TON 2 AXLE	16,474	3.01		0.90	1.58	0.00			110
	PUP TRAILERS									
8540	8 CY LONG TONGUE	20,530	3.67		1.13	2.02	0.00			86
8545	10CY LONG TONGUE	20,692	3.71		1.14	2.05	0.00			86
	TILT TRAILERS									
8555	12 TON 2 AXLE	10,864	2.04		0.59	1.04	0.00			62
8560	16 TON 2 AXLE	12,472	2.34		0.68	1.18	0.00			65
8565	20 TON 2 AXLE	13,580	2.55		0.74	1.29	0.00			67
	WATER TANKER TRAILERS									
8575	4000 GAL 63 HP D	31,326	7.50		1.67	3.15	2.25			120
8580	5000 GAL 63 HP D	32,999	7.85		1.74	3.24	2.25			150
8585	6000 GAL 63 HP D	34,453	8.05		1.81	3.38	2.25			160
	TRUCKS, OFF-HIGHWAY									
	CATERPILLAR									
8595	769-C 35T 22-30 CY P.S. 450 HP D	283,900	62.40	79.94	14.95	29.06	10.15	32.98	13.11	711
8600	773-B 50T 30-45 CY P.S. 650 HP D	398,958	89.71	115.73	20.92	40.46	14.66	45.90	18.94	908
8605	777 85T 47-67 CY P.S. 870 HP D	555,710	121.70	156.79	28.89	55.38	19.63	62.76	25.35	1391
8610	768C PRIME MOVER TRACTOR P.S. 450 HP D	250,429	57.21	73.60	13.16	25.50	10.15	28.93	13.11	523
8615	772B PRIME MOVER TRACTOR P.S. 650 HP D	375,755	88.20	115.15	19.53	37.45	14.66	42.44	18.94	716
8620	776 PRIME MOVER TRACTOR P.S. 870 HP D	492,251	113.49	147.92	25.31	47.92	19.63	54.22	25.35	1100
	DJB (ARTICULATED FRAME)									
8630	D330B 33T 17-23 CY P.S. 255 HP D	230,200	46.26	58.59	12.12	23.56	5.75	26.75	7.43	444
8635	D350C 35T 20-26 CY P.S. 260 HP D	250,800	51.50	66.08	13.06	25.09	5.87	28.44	7.58	472

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 (CONT'D) (ARTICULATED FRAME)									
8640	D550 55T 32-43 CY P.S. 450 HP D	407,066	84.05	107.60	21.25	40.89	10.15	46.34	13.11	834
	EUCLID									
8650	R25-215FD 25T 14-19 CY P.S. 214 HP D	190,699	38.09	48.35	10.03	19.48	4.83	22.11	6.24	404
8655	R35-302TD 35T 22-30 CY P.S. 450 HP D	303,198	65.41	83.60	15.99	31.12	10.15	35.32	13.11	623
8660	R50-301LD 50T 31-41 CY P.S. 608 HP D	399,013	88.45	114.09	20.92	40.47	13.72	45.90	17.72	836
8665	R75-301ND 75T 46-69 CY P.S. 646 HP D	533,178	110.50	141.96	27.78	53.38	14.57	60.50	18.82	1123
8670	R85-306ND 85T 52-67 CY P.S. 755 HP D	548,759	117.14	150.97	28.52	54.64	17.03	61.91	22.00	1227
	TEREX									
8685	33-03B 22T 15-18 CY P.S. 215 HP D	169,396	35.41	45.22	8.94	17.40	4.85	19.75	6.27	400
8690	33-05B 30T 19-23 CY P.S. 321 HP D	246,995	52.13	66.73	13.02	25.30	7.24	28.70	9.35	525
8695	33-07 40T 25-32 CY P.S. 493 HP D	304,790	69.94	91.03	15.88	30.53	11.12	34.60	14.37	756
8700	33-09 55T 34-44 CY P.S. 624 HP D	410,371	92.80	120.70	21.39	41.14	14.08	46.64	18.18	992
8705	33-11D 85T 51-65 CY P.S. 840 HP D	605,468	128.54	165.06	31.57	60.69	18.95	68.79	24.48	1350
8710	33-14 120T 65-88 CY P.S.1092 HP D	885,616	183.79	235.90	46.18	88.81	24.64	100.67	31.82	1950
	WABCO									
8720	HAULPAK35D 35T 23-29 CY P.S. 420 HP D	300,973	64.17	82.01	15.88	30.89	9.48	35.05	12.24	630
8725	HAULPAK50B 50T 31-40 CY P.S. 576 HP D	429,694	92.25	118.66	22.57	43.74	12.99	49.62	16.78	792
8730	HAULPAK60B 60T 34-48 CY P.S. 642 HP D	460,749	101.17	130.97	24.10	46.51	14.48	52.75	18.71	900
8735	75C 75T 44-57 CY P.S. 679 HP D	522,704	109.31	140.20	27.28	52.50	15.32	59.52	19.79	950
8740	85D 85T 47-67 CY P.S. 818 HP D	583,861	124.51	160.10	30.41	58.39	18.45	66.17	23.84	1240
8745	100 100T 47-77 CY P.S.1050 HP D	709,622	155.15	200.87	36.73	70.06	23.69	79.34	30.60	1606

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	TRUCKS, WATER									
	TRACTOR DRAWN - KLEIN									
8755	KT-50 5000 GAL. CAT 613B P.S. 150 HP D	134,456	28.65	35.18	7.11	13.34	5.36	15.07	7.05	320
8760	KT-60 6000 GAL. CAT 621B P.S. 330 HP D	238,111	54.63	67.53	12.48	23.20	11.79	26.18	15.51	564
8765	KT-80 8000 GAL. CAT 631D P.S. 450 HP D	331,831	75.94	93.89	17.37	32.20	16.07	36.33	21.15	751
8770	KT-100 10000 GAL. CAT 631D P.S. 450 HP D	339,374	77.09	95.25	17.77	32.98	16.07	37.21	21.15	811
8775	KT-100 10000 GAL. CAT 651E P.S. 550 HP D	409,162	93.40	115.43	21.41	39.71	19.65	44.80	25.85	1001
8780	KT-120 12000 GAL. CAT 651E P.S. 550 HP D	414,909	94.28	116.47	21.73	40.31	19.65	45.48	25.85	1097
	TRACTOR DRAWN - SOUTHWEST									
8790	STT-60 6000 GAL. CAT 621B P.S. 330 HP D	238,437	54.69	67.60	12.50	23.24	11.79	26.23	15.51	594
8795	STT-80 8000 GAL. CAT 631D P.S. 450 HP D	327,450	75.27	93.09	17.12	31.74	16.07	35.81	21.15	311
8800	STT-100 10000 GAL. CAT 631D P.S. 450 HP D	331,769	75.94	93.87	17.37	32.20	16.07	36.32	21.15	840
8805	STT-120 12000 GAL. CAT 651E P.S. 550 HP D	424,290	95.71	118.17	22.23	41.28	19.65	46.58	25.35	1135
8810	STT-140 14000 GAL. CAT 651E P.S. 550 HP D	430,500	96.66	119.30	22.56	41.92	19.65	47.31	25.35	1170
	WAGONS, BOTTOM DUMP									
	CATERPILLAR-ATHEY									
8820	621B/PW621B 33T 22-25CY P.S. 330 HP D	259,194	60.49	78.32	13.55	26.10	11.79	29.59	15.51	579
8825	768C/PW768C 63T 42-48CY P.S. 450 HP D	382,390	87.78	113.43	19.87	38.08	16.07	43.15	21.15	935
8830	772B/PW772B 100T 60-67CY P.S. 650 HP D	610,028	138.75	180.47	31.61	60.36	23.22	68.37	30.55	1360
	EUCLID									
8840	B30-303TDT301W 30T 21-27CY P.S. 277 HP D	245,457	55.70	72.09	12.80	24.63	9.89	27.93	13.02	483
8845	370-203LDT147W 70T 47-62CY P.S. 456 HP D	413,644	90.51	116.06	21.57	41.50	16.29	47.04	21.43	934

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	WAGONS, REAR DUMP									
	CATERPILLAR-ATHEY									
8855	621B/PR621B 33T 22-26CY P.S. 330 HP D	268,684	61.97	80.13	14.05	27.11	11.79	30.75	15.51	630
8860	631D/PR631D 40T 27-32CY P.S. 450 HP D	385,668	87.41	112.81	20.21	39.07	16.07	44.32	21.15	833
	WATER BLASTER									
	AMERICAN AERO									
8870	WBD 90 10000 PSI @ 10 GPM W/2 NOZ 91 HP D TRAILER MOUNTED	33,638	17.97		2.45	5.76	4.79			42
8875	WBD150 10000 PSI @ 20 GPM W/2 NOZ 160 HP D TRAILER MOUNTED	50,910	28.71		3.71	8.73	8.42			70
	WATER TANKS									
	SKID MOUNTED									
8885	WST-8 8000 GAL. SOUTHWEST	15,261	2.22		0.82	1.58	0.00			107
8890	WST-10 10000 GAL. SOUTHWEST	17,788	2.59		0.97	1.85	0.00			122
8895	WST-12 12000 GAL. SOUTHWEST	20,696	3.01		1.12	2.15	0.00			142
	PORTABLE (WITH WHEELS)									
8905	EWT-8 8000 GAL. SOUTHWEST 8 HP G	27,899	4.90		1.48	2.79	0.62			130
8910	EWT-10 10000 GAL. SOUTHWEST 8 HP G	31,482	5.43		1.68	3.17	0.62			170
8915	EWT-12 12000 GAL. SOUTHWEST 8 HP G	34,929	5.93		1.87	3.53	0.62			185
	WELDERS									
	ELECTRIC DRIVE - AC 3 PHASE 60 HZ									
8925	300 AMP SKID MTD 20 HP E	2,391	1.48		0.16	0.32	0.80			-
8930	400 AMP SKID MTD 25 HP E	2,855	1.81		0.18	0.37	1.00			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	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									
8940	200 AMP W/1 AXLE TRLR 39 HP G	4,803	5.64		0.30	0.60	3.73			11
8945	250 AMP W/1 AXLE TRLR 39 HP G	5,039	5.69		0.32	0.63	3.73			17
8950	300 AMP W/1 AXLE TRLR 65 HP G	5,481	8.87		0.35	0.69	6.21			17
8955	400 AMP W/1 AXLE TRLR 69 HP G	6,979	9.66		0.44	0.87	6.60			21
	DIESEL ENGINE DRIVE									
8965	250 AMP W/1 AXLE TRLR 27 HP D	6,525	2.87		0.41	0.82	1.19			21
8970	300 AMP W/1 AXLE TRLR 38 HP D	6,981	3.56		0.44	0.87	1.68			21
8975	350 AMP W/2 AXLE TRLR 38 HP D	7,848	3.75		0.48	0.96	1.68			25
8980	400 AMP W/2 AXLE TRLR 64 HP D	8,480	5.33		0.53	1.05	2.83			30
	MIG									
8990	300AMP W/WIRE FEED AND SHOP GEAR 10 HP E	2,441	0.97		0.16	0.33	0.40			5
8995	450AMP W/WIRE FEED AND SHOP GEAR 20 HP E	2,512	1.49		0.16	0.33	0.80			5
	RECTIFIER									
9005	200 AMP W/SHOP RUNNING GEAR 19 HP E	1,099	1.18		0.07	0.14	0.76			4
9010	300 AMP W/SHOP RUNNING GEAR 24 HP E	1,406	1.51		0.09	0.19	0.96			6
9015	750 AMP W/SHOP RUNNING GEAR 30 HP E	3,881	2.28		0.25	0.52	1.21			7
9020	1000AMP W/SHOP RUNNING GEAR 42 HP E	6,804	3.43		0.43	0.90	1.69			10
	TRANSFORMER-RECTIFIER									
9030	250 AMP W/SHOP RUNNING GEAR 19 HP E	498	1.08		0.03	0.07	0.76			4
9035	300 AMP W/SHOP RUNNING GEAR 24 HP E	1,685	1.56		0.11	0.23	0.96			6

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

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

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

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

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

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

Total Hourly Rate	= $55.00/Hr.
Ownership Rate	(-) $30.00/Hr.
Ownership adjusted for Age:	
(Ownership Rate) x (Oldest Age Adj. Factor)	
= ($30.00) x (.43)	= (+) $12.90/Hr.
Adjusted Total Hourly Rate	= $37.90/Hr.

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

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

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW												
		1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974
15	AGGREGATE SPREADERS	1.07	1.03	1.00	0.99	1.00	0.93	0.86	0.78					
30	AIR COMPRESSORS	1.07	1.04	1.00	1.01	0.99	0.91	0.96	0.88					
45	AIR TOOLS, SANDBLASTERS, ETC	1.07	1.04	1.00										
60	ASPHALT DISTRIBUTORS	1.07	1.03	1.00	0.99	1.00	0.93	0.86	0.78					
65	ASPHALT AND CONCRETE PAVERS	1.07	1.03	1.00	0.99	1.00	0.93	0.86	0.78					
70	ASPHALT KETTLES AND RECYCLERS	1.04	1.02	1.00	0.98	0.96	0.88							
	BACKHOE (SEE KEY NO. 570-601)													
75	BROOMS	1.04	1.02	1.00	0.98	0.96	0.88	0.78	0.67					
80	BRUSH CHIPPERS	1.04	1.02	1.00	0.98	0.96	0.89	0.79	0.68					
90	BUCKETS, CLAMSHELL & DRAGLINE	1.05	1.03	1.00	0.99	1.00	0.95	0.84	0.70					
95	BUCKETS, CONCRETE	1.05	1.03	1.00	0.99	1.00	0.95	0.84	0.69					
105	CONCRETE OR GROUT PUMP	1.04	1.02	1.00	0.98	0.96	0.89							
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.04	1.02	1.00	0.98	0.96	0.88							
125	CONCRETE FINISHERS & BUGGIES	1.04	1.02	1.00	0.98	0.96								
130	CONCRETE SAWS	1.04	1.02	1.00	0.98	0.96	0.88							
135	CONCRETE VIBRATORS	1.07	1.04	1.00										
140	COMPACTORS, MANUALLY OPERATED	1.07	1.04	1.00	1.01	0.99								
	CRANE, CRAWLER TYPE													
150	0 THRU 25 TON	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.73	0.66	0.60			
165	OVER 25 TON THRU 50 TON	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.73	0.66	0.61	0.56	0.51	
170	OVER 50 TON THRU 150 TON	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.73	0.67	0.61	0.57	0.52	0.42
180	OVER 150 TON	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.74	0.67	0.62	0.58	0.52	0.42
	DRAGLINE & CLAMSHELL,CRAWLER													
185	0 THRU 1 CY	1.04	1.02	1.00	0.98	0.96	0.89	0.81	0.72	0.65				
190	OVER 1 CY THRU 2-1/2 CY	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.73	0.66	0.61	0.56	0.51	
195	OVER 2-1/2 CY THRU 5 CY	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.73	0.67	0.61	0.57	0.52	0.42
196	OVER 5 CY	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.74	0.67	0.62	0.58	0.52	0.42
200	CRANES, HYDRAULIC, SELF-PROPELLED	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.74	0.67	0.62	0.58	0.52	
205	CRANES, TOWER	1.04	1.02	1.00	0.98	0.96	0.89	0.81	0.72	0.65	0.60	0.56	0.50	0.39
	CRANES & HYD. EXC. , TRK MTD													
210	UNDER 26 T. (THRU 1 CY)	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.74	0.67	0.62	0.57	0.52	
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.04	1.02	1.00	0.98	0.96	0.90	0.82	0.74	0.67	0.62	0.58	0.53	0.43
230	66 THRU 125 T	1.04	1.02	1.00	0.98	0.96	0.90	0.83	0.74	0.67	0.62	0.58	0.53	0.43
240	OVER 125 T	1.04	1.02	1.00	0.98	0.96	0.90	0.82	0.74	0.67	0.62	0.58	0.53	0.43
255	DRILL, AUGER	1.02	1.01	1.00	1.01	1.00	0.92	0.78	0.67					
270	DRILL, BLAST HOLE	1.02	1.01	1.00	1.01	1.00	0.92	0.78	0.67					
300	DRILL, CORE	1.02	1.01	1.00	1.01	1.00	0.92	0.78	0.67					
315	DRILL, ROTARY TO 11" DIA. HOLE	1.02	1.01	1.00	1.01	1.00	0.92	0.79	0.68	0.63	0.57	0.55	0.52	
330	DRILL, ROTARY OVER 11" DIA.	1.02	1.01	1.00	1.01	1.00	0.92	0.80	0.69	0.64	0.58	0.56	0.53	0.46
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.02	1.01	1.00	1.01	1.00	0.92	0.80	0.69	0.64	0.58	0.56	0.53	0.46
375	FORK LIFTS	1.04	1.02	1.00	0.98	0.96	0.88	0.78	0.68					
390	GRADERS	1.05	1.03	1.00	1.00	0.97	0.88	0.79	0.70	0.63				
420	GENERATORS	1.06	1.04	1.00	0.97	0.95	0.92							
435	HOIST	1.04	1.02	1.00	0.98	0.96	0.89	0.79	0.68					
	HYD. EXCAVATOR (SEE KEY NO. 570-601)													
440	LIGHT PLANTS	1.04	1.02	1.00	0.98	0.96	0.88							
450	LOADER, BELT	1.04	1.02	1.00	0.98	0.96	0.88	0.78	0.67					
460	LOADER,FRONT END &LOADER F/E WITH BACKHOE,CRAWLER TYPE	1.00	0.99	1.00	1.00	0.96	0.87	0.78	0.69					
	LOADER, WHEEL TYPE													
465	0 THRU 225 HP	1.02	1.01	1.00	0.98	0.95	0.85	0.70	0.60					
470	OVER 225 HP	1.02	1.01	1.00	0.98	0.96	0.86	0.72	0.63	0.57				
475	LOADER, FRONT END WITH BACKHOE,WHEEL TYPE	1.02	1.01	1.00	0.98	0.95	0.85	0.70	0.60					

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW 1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.05	1.02	1.00	0.98	0.95								
485	PIPELAYERS	1.00	0.99	1.00	1.00	0.96	0.87	0.78	0.69	0.61				
	PUMP, GROUT (SEE KEY NO. 105)													
495	PUMP, WATER, ENGINE DRIVE	1.04	1.02	1.00	0.98	0.96	0.88	0.78	0.67					
500	PUMP, WATER, ELECTRIC DRIVE	1.04	1.02	1.00	0.98	0.96	0.88	0.78	0.67					
510	RIPPERS	1.00	0.99	1.00	1.00	0.96	0.87							
525	ROLLERS, EXCEPT VIB. ROLLERS	1.08	1.05	1.00	0.95	0.86	0.79	0.71	0.63					
530	ROLLERS, VIBRATORY	1.08	1.05	1.00	0.95	0.85	0.79							
540	SCRAPERS, STANDARD	1.05	1.03	1.00	1.00	0.97	0.89	0.80	0.71					
542	SCRAPERS, TANDEM POWERED	1.05	1.03	1.00	1.00	0.97	0.89	0.80	0.71					
	SCRAPERS, ELEVATING													
545	0 THRU 200 HP	1.05	1.03	1.00	1.00	0.97	0.88	0.80	0.70					
550	OVER 200 HP	1.05	1.03	1.00	1.00	0.97	0.89	0.80	0.71					
555	SCRAPERS, TRACTOR DRAWN	1.05	1.03	1.00	1.00	0.97	0.89	0.80	0.70	0.64				
560	SOIL STABILIZERS	1.05	1.03	1.00	1.00	0.97	0.88	0.80	0.70					
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED													
570	0 THRU 1 CY	1.04	1.02	1.00	0.98	0.95	0.88							
585	OVER 1 CY THRU 2-1/2 CY	1.04	1.02	1.00	0.98	0.96	0.89	0.81	0.72					
595	OVER 2-1/2 CY THRU 5 CY	1.04	1.02	1.00	0.98	0.96	0.89	0.81	0.72	0.65				
600	OVER 5 CY	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.73	0.67	0.61	0.57		
601	OVER 2-1/2 CY ELECTRIC	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.73	0.67	0.61	0.57	0.52	0.42
	TRACTOR, CRAWLER TYPE													
615	0 THRU 225 HP	1.00	0.99	1.00	1.00	0.96	0.86	0.78	0.68					
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.00	0.99	1.00	1.00	0.96	0.87	0.78	0.69					
625	OVER 425 HP	1.00	0.99	1.00	1.00	0.96	0.87	0.79	0.70	0.63				
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.00	0.99	1.00	1.00	0.96	0.87	0.78	0.69					
645	TRACTOR, WHEEL TYPE	1.07	1.05	1.00	0.97	0.96	0.87	0.77	0.66					
650	TRENCHER	1.04	1.02	1.00	0.98	0.91	0.79	0.67	0.58					
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.04	1.02	1.00	0.98	0.96	0.89	0.79	0.69					
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.04	1.02	1.00	0.98	0.95	0.87	0.77	0.65					
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING													
670	DUMP BODIES	1.04	1.02	1.00	0.98	0.96	0.88							
675	ALL OTHER ACCESSORIES	1.04	1.02	1.00	0.98	0.96	0.88							
	TRUCK, HIGHWAY													
690	0 THRU 10,000 GVW	1.09	1.04	1.00	0.95	0.91								
695	OVER 10,000 THRU 30,000 GVW	1.09	1.03	1.00	0.95	0.91	0.83							
705	OVER 30,000 GVW	1.08	1.03	1.00	0.95	0.91	0.84							
720	TRUCK, OFF-HIGHWAY	1.03	1.01	1.00	0.99	0.96	0.88	0.76	0.66	0.59				
765	WAGON, BOTTOM & REAR DUMP	1.03	1.01	1.00	0.99	0.96	0.88	0.76	0.65	0.59				
780	WAGON, WATER	1.03	1.01	1.00	0.99	0.96	0.87	0.76	0.64	0.58				
785	WATER BLASTER	1.04	1.02	1.00	0.98	0.96								
795	WATER TANKS	1.04	1.02	1.00	0.98	0.96	0.89	0.79	0.69	0.61				
810	WELDERS	1.04	1.02	1.00	0.98	0.95	0.87							
811	WELDERS ELECTRIC POWER	1.04	1.02	1.00	0.98	0.96	0.88							

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

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

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

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

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW												
		1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974
15	AGGREGATE SPREADERS	1.06	1.03	1.00	0.99	1.00	0.94	0.88	0.81					
30	AIR COMPRESSORS	1.06	1.03	1.00	1.01	0.99	0.93	0.97	0.90					
45	AIR TOOLS, SANDBLASTERS, ETC	1.07	1.03	1.00										
60	ASPHALT DISTRIBUTORS	1.06	1.03	1.00	0.99	1.00	0.94	0.88	0.81					
65	ASPHALT AND CONCRETE PAVERS	1.06	1.03	1.00	0.99	1.00	0.94	0.88	0.81					
70	ASPHALT KETTLES AND RECYCLERS	1.04	1.02	1.00	0.99	0.96	0.90							
	BACKHOE (SEE KEY NO. 570-601)													
75	BROOMS	1.04	1.02	1.00	0.99	0.96	0.90	0.81	0.72					
80	BRUSH CHIPPERS	1.04	1.02	1.00	0.99	0.96	0.90	0.81	0.72					
90	BUCKETS, CLAMSHELL & DRAGLINE	1.05	1.02	1.00	0.99	1.00	0.95	0.86	0.72					
95	BUCKETS, CONCRETE	1.05	1.02	1.00	0.99	1.00	0.95	0.86	0.72					
105	CONCRETE OR GROUT PUMP	1.04	1.02	1.00	0.99	0.96	0.90							
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.04	1.02	1.00	0.99	0.96	0.90							
125	CONCRETE FINISHERS & BUGGIES	1.04	1.02	1.00	0.98	0.96								
130	CONCRETE SAWS	1.04	1.02	1.00	0.99	0.96	0.90							
135	CONCRETE VIBRATORS	1.07	1.03	1.00										
140	COMPACTORS, MANUALLY OPERATED	1.06	1.03	1.00	1.01	0.99								
	CRANE, CRAWLER TYPE													
150	0 THRU 25 TON	1.04	1.02	1.00	0.98	0.96	0.90	0.84	0.76	0.70	0.65			
165	OVER 25 TON THRU 50 TON	1.04	1.02	1.00	0.98	0.96	0.91	0.84	0.76	0.70	0.65	0.62	0.57	
170	OVER 50 TON THRU 150 TON	1.04	1.02	1.00	0.98	0.96	0.91	0.84	0.77	0.71	0.66	0.62	0.58	0.49
180	OVER 150 TON	1.03	1.02	1.00	0.98	0.96	0.91	0.84	0.77	0.71	0.66	0.63	0.58	0.49
	DRAGLINE & CLAMSHELL,CRAWLER													
185	0 THRU 1 CY	1.04	1.02	1.00	0.98	0.96	0.90	0.84	0.76	0.69				
190	OVER 1 CY THRU 2-1/2 CY	1.04	1.02	1.00	0.98	0.96	0.91	0.84	0.76	0.70	0.65	0.62	0.57	
195	OVER 2-1/2 CY THRU 5 CY	1.04	1.02	1.00	0.98	0.96	0.91	0.84	0.77	0.71	0.66	0.62	0.58	0.49
196	OVER 5 CY	1.03	1.02	1.00	0.98	0.96	0.91	0.84	0.77	0.71	0.66	0.63	0.58	0.49
200	CRANES, HYDRAULIC, SELF-PROPELLED	1.04	1.02	1.00	0.98	0.96	0.90	0.84	0.76	0.70	0.65	0.62	0.57	
205	CRANES, TOWER	1.03	1.02	1.00	0.98	0.97	0.91	0.85	0.77	0.71	0.67	0.63	0.59	0.50
	CRANES & HYD. EXC. , TRK MTD													
210	UNDER 26 T. (THRU 1 CY).	1.04	1.02	1.00	0.98	0.96	0.90	0.84	0.76	0.70	0.65	0.61	0.57	
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.04	1.02	1.00	0.98	0.96	0.91	0.84	0.76	0.70	0.66	0.62	0.57	0.48
230	66 THRU 125 T	1.04	1.02	1.00	0.98	0.96	0.91	0.84	0.76	0.70	0.66	0.62	0.57	0.48
240	OVER 125 T	1.03	1.02	1.00	0.98	0.97	0.91	0.85	0.77	0.71	0.67	0.63	0.58	0.50
255	DRILL, AUGER	1.02	1.01	1.00	1.01	1.00	0.93	0.81	0.71					
270	DRILL, BLAST HOLE	1.02	1.01	1.00	1.01	1.00	0.93	0.81	0.71					
300	DRILL, CORE	1.02	1.01	1.00	1.01	1.00	0.93	0.81	0.71					
315	DRILL, ROTARY TO 11" DIA. HOLE	1.02	1.01	1.00	1.01	1.00	0.93	0.82	0.72	0.68	0.62	0.60	0.57	
330	DRILL, ROTARY OVER 11" DIA.	1.02	1.01	1.00	1.01	1.00	0.93	0.82	0.73	0.68	0.63	0.61	0.58	0.52
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.02	1.01	1.00	1.01	1.00	0.93	0.82	0.73	0.68	0.63	0.61	0.58	0.52
375	FORK LIFTS	1.04	1.02	1.00	0.99	0.96	0.90	0.81	0.72					
390	GRADERS	1.05	1.02	1.00	1.00	0.98	0.90	0.83	0.74	0.69				
420	GENERATORS	1.05	1.03	1.00	0.97	0.95	0.93							
435	HOIST	1.04	1.02	1.00	0.99	0.96	0.90	0.81	0.72					
	HYD. EXCAVATOR (SEE KEY NO. 570-601)													
440	LIGHT PLANTS	1.04	1.02	1.00	0.99	0.96	0.90							
450	LOADER, BELT	1.04	1.02	1.00	0.99	0.96	0.90	0.81	0.72					
460	LOADER,FRONT END &LOADER F/E WITH BACKHOE,CRAWLER TYPE	1.00	0.99	1.00	1.00	0.96	0.88	0.81	0.73					
	LOADER, WHEEL TYPE													
465	0 THRU 225 HP	1.02	1.01	1.00	0.98	0.96	0.87	0.74	0.66					
470	OVER 225 HP	1.02	1.01	1.00	0.98	0.96	0.87	0.75	0.67	0.61				
475	LOADER, FRONT END WITH BACKHOE,WHEEL TYPE	1.02	1.01	1.00	0.98	0.96	0.87	0.74	0.66					

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW 1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.04	1.02	1.00	0.98	0.96								
485	PIPELAYERS	1.00	0.99	1.00	1.00	0.96	0.89	0.81	0.73	0.66				
	PUMP, GROUT (SEE KEY NO. 105)													
495	PUMP, WATER, ENGINE DRIVE	1.04	1.02	1.00	0.99	0.96	0.90	0.81	0.72					
500	PUMP, WATER, ELECTRIC DRIVE	1.04	1.02	1.00	0.99	0.96	0.90	0.81	0.72					
510	RIPPERS	1.00	0.99	1.00	1.00	0.96	0.88							
525	ROLLERS, EXCEPT VIB. ROLLERS	1.07	1.04	1.00	0.95	0.87	0.81	0.74	0.68					
530	ROLLERS, VIBRATORY	1.07	1.04	1.00	0.95	0.87	0.81							
540	SCRAPERS, STANDARD	1.05	1.03	1.00	1.00	0.98	0.90	0.82	0.74					
542	SCRAPERS, TANDEM POWERED	1.05	1.03	1.00	1.00	0.98	0.90	0.82	0.74					
	SCRAPERS, ELEVATING													
545	0 THRU 200 HP	1.05	1.03	1.00	1.00	0.98	0.90	0.82	0.74					
550	OVER 200 HP	1.05	1.03	1.00	1.00	0.98	0.90	0.82	0.74					
555	SCRAPERS, TRACTOR DRAWN	1.05	1.03	1.00	1.00	0.98	0.90	0.82	0.74	0.69				
560	SOIL STABILIZERS	1.05	1.03	1.00	1.00	0.98	0.90	0.82	0.74					
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED													
570	0 THRU 1 CY	1.04	1.02	1.00	0.98	0.96	0.90							
585	OVER 1 CY THRU 2-1/2 CY	1.04	1.02	1.00	0.98	0.96	0.90	0.83	0.75					
595	OVER 2-1/2 CY THRU 5 CY	1.04	1.02	1.00	0.98	0.96	0.90	0.84	0.76	0.69				
600	OVER 5 CY	1.04	1.02	1.00	0.98	0.96	0.90	0.84	0.76	0.70	0.65	0.61		
601	OVER 2-1/2 CY ELECTRIC	1.04	1.02	1.00	0.98	0.96	0.91	0.84	0.77	0.71	0.66	0.62	0.58	0.49
	TRACTOR, CRAWLER TYPE													
615	0 THRU 225 HP	1.00	0.99	1.00	1.00	0.96	0.88	0.81	0.73					
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.00	0.99	1.00	1.00	0.96	0.88	0.81	0.73					
625	OVER 425 HP	1.00	0.99	1.00	1.00	0.96	0.88	0.81	0.73	0.66				
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.00	0.99	1.00	1.00	0.96	0.88	0.81	0.73					
645	TRACTOR, WHEEL TYPE	1.07	1.04	1.00	0.97	0.97	0.89	0.80	0.71					
650	TRENCHER	1.03	1.01	1.00	0.98	0.92	0.82	0.71	0.63					
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.04	1.02	1.00	0.99	0.96	0.90	0.81	0.72					
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.04	1.02	1.00	0.99	0.96	0.90	0.81	0.72					
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING													
670	DUMP BODIES	1.04	1.02	1.00	0.99	0.96	0.90							
675	ALL OTHER ACCESSORIES	1.04	1.02	1.00	0.99	0.96	0.90							
	TRUCK, HIGHWAY													
690	0 THRU 10,000 GVW	1.07	1.03	1.00	0.96	0.92								
695	OVER 10,000 THRU 30,000 GVW	1.07	1.03	1.00	0.96	0.92	0.86							
705	OVER 30,000 GVW	1.07	1.03	1.00	0.96	0.92	0.86							
720	TRUCK, OFF-HIGHWAY	1.03	1.01	1.00	0.99	0.97	0.89	0.79	0.69	0.63				
765	WAGON, BOTTOM & REAR DUMP	1.03	1.01	1.00	0.99	0.97	0.89	0.79	0.69	0.63				
780	WAGON, WATER	1.03	1.01	1.00	0.99	0.97	0.89	0.79	0.69	0.63				
785	WATER BLASTER	1.04	1.02	1.00	0.98	0.96								
795	WATER TANKS	1.04	1.02	1.00	0.99	0.96	0.90	0.81	0.72	0.66				
810	WELDERS	1.04	1.02	1.00	0.99	0.96	0.89							
811	WELDERS ELECTRIC POWER	1.04	1.02	1.00	0.99	0.96	0.90							

TABLE 3-4. SHIFT ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

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

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

Total Hourly Rate (adjusted for age)	= $49.60/Hr.
Ownership Rate (adjusted for age)	(-) $24.60/Hr.
Ownership Adjusted for Work Hours (Ownership Rate) x (Work Hr Adj. Factor) = ($24.60) x (.85)	= (+) $20.91/Hr.
Adjusted Total Hourly Rate	= $45.91/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	0.89	0.88	0.87
6,000	1.00	0.97	0.96	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.85	0.84
8,000	1.00	0.97	0.95	0.93	0.91	0.89	0.88	0.86	0.85	0.83	0.82	0.81	0.80
9,000	1.00	0.97	0.95	0.92	0.90	0.88	0.87	0.85	0.83	0.82	0.81	0.80	0.79
10,000	1.00	0.96	0.95	0.92	0.89	0.87	0.86	0.84	0.82	0.81	0.80	0.79	0.77
11,000	1.00	0.96	0.94	0.91	0.89	0.87	0.85	0.83	0.81	0.80	0.78	0.77	0.76
12,000	1.00	0.96	0.94	0.91	0.88	0.86	0.84	0.82	0.80	0.78	0.77	0.76	0.74
13,000	1.00	0.96	0.94	0.90	0.87	0.85	0.83	0.81	0.79	0.77	0.76	0.75	0.73
14,000	1.00	0.96	0.93	0.90	0.87	0.85	0.83	0.80	0.78	0.75	0.75	0.74	0.72
15,000	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
16,000	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
18,000	1.00	0.95	0.92	0.88	0.85	0.82	0.80	0.77	0.75	0.73	0.71	0.70	0.68
20,000	1.00	0.95	0.92	0.88	0.84	0.81	0.79	0.76	0.74	0.71	0.70	0.68	0.66
22,000	1.00	0.94	0.92	0.87	0.83	0.80	0.78	0.75	0.72	0.70	0.68	0.67	0.64
50,000	1.00	0.92	0.89	0.82	0.77	0.73	0.69	0.66	0.62	0.59	0.56	0.54	0.51

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
1015	4.31	2.13	11.07	3.66	0.23	0.03	3.87	24.30								
1020	4.83	2.39	3.95	0.95	0.23	0.03	4.34	16.72								
1035	0.74	0.45	3.89	1.25	0.02	0.00	0.77	7.12								
1040	0.89	0.54	1.18	0.33	0.02	0.00	0.92	3.88								
1045	0.91	0.55	5.45	1.74	0.02	0.00	0.94	9.61								
1050	0.96	0.58	1.82	0.51	0.02	0.00	1.00	4.89								
1055	0.99	0.60	5.45	1.74	0.02	0.00	1.03	9.83								
1060	1.13	0.68	1.93	0.54	0.02	0.00	1.17	5.47								
1065	1.02	0.62	5.45	1.74	0.02	0.00	1.06	9.91								
1070	1.21	0.73	2.46	0.69	0.02	0.00	1.26	6.37								
1075	1.81	1.09	3.14	0.88	0.03	0.00	1.87	8.82								
1080	2.18	1.35	4.36	1.22	0.15	0.02	2.28	11.56								
1085	2.85	1.75	5.43	1.52	0.15	0.02	2.97	14.69								
1090	3.42	2.10	6.72	1.88	0.17	0.03	3.57	17.89								
1095	3.98	2.43	8.14	2.28	0.17	0.03	4.15	21.18								
1100	4.54	2.77	9.29	2.60	0.17	0.03	4.73	24.13								
1105	4.99	3.04	9.54	2.70	0.17	0.03	5.19	25.76								
1110	5.58	3.39	10.50	2.94	0.17	0.03	5.81	28.42								
1115	6.70	4.06	14.29	4.00	0.17	0.03	6.96	36.21								
1120	7.57	4.59	16.29	4.56	0.21	0.03	7.86	41.11								
1135	0.29	0.06	0.00	0.06	0.00	0.00	0.56	0.97								
1140	0.53	0.12	0.00	0.06	0.00	0.00	1.02	1.73								
1145	0.53	0.12	0.00	0.06	0.00	0.00	1.03	1.74								
1150	0.59	0.13	0.00	0.13	0.00	0.00	1.13	1.98								
1155	0.79	0.17	0.00	0.13	0.00	0.00	1.52	2.61								
1160	2.24	0.50	0.00	0.27	0.05	0.01	4.33	7.40								
1165	2.64	0.61	0.00	0.40	0.14	0.02	5.15	8.96								
1170	3.27	0.75	0.00	0.50	0.14	0.02	6.35	11.03								
1180	0.18	0.04	0.00	0.06	0.00	0.00	0.34	0.62								
1185	0.39	0.08	0.00	0.11	0.00	0.00	0.75	1.33								
1190	0.18	0.04	0.00	0.06	0.00	0.00	0.35	0.63								
1195	0.20	0.04	0.00	0.06	0.00	0.00	0.37	0.67								
1200	0.21	0.05	0.00	0.06	0.00	0.00	0.41	0.73								
1205	0.72	0.16	0.00	0.13	0.00	0.00	1.37	2.38								
1215	0.38	0.08	0.00	0.15	0.00	0.00	1.23	1.84								
1220	0.25	0.05	0.00	0.13	0.00	0.00	0.79	1.22								
1225	0.22	0.05	0.00	0.10	0.00	0.00	0.71	1.08								
1230	0.20	0.04	0.00	0.08	0.00	0.00	0.64	0.96								
1235	0.16	0.03	0.00	0.06	0.00	0.00	0.50	0.75								
1245	2.43	1.17	3.50	1.12	0.00	0.00	2.64	10.86								
1250	2.49	1.20	3.50	1.12	0.00	0.00	2.70	11.01								
1255	2.66	1.29	3.50	1.12	0.00	0.00	2.89	11.46								
1260	2.99	1.44	3.50	1.12	0.00	0.00	3.24	12.29								
1270	6.88	3.40	2.50	0.70	0.37	0.06	7.95	21.86								
1275	11.34	5.65	3.39	0.95	0.81	0.12	13.12	35.38								
1280	12.78	6.34	4.64	1.30	0.81	0.12	14.78	40.77								
1285	15.51	7.50	4.64	1.30	0.00	0.00	17.83	46.78								
1295	3.68	1.85	1.07	0.30	0.35	0.05	4.27	11.57								
1300	6.21	3.08	1.57	0.44	0.35	0.05	7.18	18.88								
1305	8.28	4.11	2.00	0.56	0.52	0.08	9.57	25.12								
1310	9.96	4.98	3.39	0.95	0.81	0.12	11.53	31.74								
1315	11.83	5.92	3.29	0.92	0.99	0.15	13.70	36.80								
1320	15.35	7.70	5.29	1.48	1.38	0.21	17.78	49.19								
1325	11.37	5.49	3.21	0.90	0.00	0.00	13.07	34.04								
1330	13.59	6.62	4.46	1.25	0.00	0.00	15.74	41.76								

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
1340	0.36	0.14	0.00	1.00	0.02	0.00	0.36	1.88								
1345	0.42	0.17	0.00	1.11	0.02	0.00	0.42	2.14								
1355	1.01	0.40	0.62	1.79	0.03	0.00	1.00	4.85								
1365	0.47	0.26	0.00	0.18	0.02	0.00	0.51	1.44								
1370	0.61	0.33	2.34	0.56	0.02	0.00	0.65	4.51								
1375	0.24	0.12	0.00	0.18	0.00	0.00	0.25	0.79								
1380	0.43	0.23	0.00	0.12	0.00	0.00	0.45	1.23								
1390	0.92	0.44	8.14	2.61	0.00	0.00	1.03	13.14								
1395	0.99	0.48	8.14	2.61	0.04	0.01	1.11	13.38								
1405	0.86	0.37	0.00	0.00	0.00	0.00	0.71	1.94	1.07	0.38	0.00	0.00	0.00	0.00	1.01	2.46
1410	0.92	0.40	0.00	0.00	0.00	0.00	0.76	2.08	1.15	0.41	0.00	0.00	0.00	0.00	1.08	2.64
1415	1.33	0.58	0.00	0.00	0.00	0.00	1.10	3.01	1.67	0.59	0.00	0.00	0.00	0.00	1.57	3.83
1420	1.57	0.68	0.00	0.00	0.00	0.00	1.29	3.54	1.96	0.70	0.00	0.00	0.00	0.00	1.85	4.51
1425	2.02	0.88	0.00	0.00	0.00	0.00	1.67	4.57	2.53	0.90	0.00	0.00	0.00	0.00	2.38	5.81
1430	2.15	0.94	0.00	0.00	0.00	0.00	1.78	4.87	2.69	0.96	0.00	0.00	0.00	0.00	2.54	6.19
1435	2.34	1.02	0.00	0.00	0.00	0.00	1.93	5.29	2.93	1.04	0.00	0.00	0.00	0.00	2.76	6.73
1440	2.60	1.13	0.00	0.00	0.00	0.00	2.14	5.87	3.24	1.16	0.00	0.00	0.00	0.00	3.06	7.46
1445	2.82	1.23	0.00	0.00	0.00	0.00	2.32	6.37	3.53	1.26	0.00	0.00	0.00	0.00	3.32	8.11
1450	3.00	1.31	0.00	0.00	0.00	0.00	2.48	6.79	3.76	1.34	0.00	0.00	0.00	0.00	3.54	8.64
1455	3.33	1.45	0.00	0.00	0.00	0.00	2.74	7.52	4.16	1.48	0.00	0.00	0.00	0.00	3.92	9.56
1460	3.46	1.51	0.00	0.00	0.00	0.00	2.85	7.82	4.33	1.54	0.00	0.00	0.00	0.00	4.08	9.95
1465	3.56	1.55	0.00	0.00	0.00	0.00	2.94	8.05	4.45	1.59	0.00	0.00	0.00	0.00	4.20	10.24
1470	3.75	1.63	0.00	0.00	0.00	0.00	3.09	8.47	4.69	1.67	0.00	0.00	0.00	0.00	4.42	10.78
1475	3.90	1.70	0.00	0.00	0.00	0.00	3.22	8.82	4.88	1.74	0.00	0.00	0.00	0.00	4.59	11.21
1485	0.82	0.36	0.00	0.00	0.00	0.00	0.67	1.85	1.02	0.36	0.00	0.00	0.00	0.00	0.96	2.34
1490	1.14	0.50	0.00	0.00	0.00	0.00	0.94	2.58	1.42	0.51	0.00	0.00	0.00	0.00	1.34	3.27
1495	1.67	0.73	0.00	0.00	0.00	0.00	1.38	3.78	2.09	0.74	0.00	0.00	0.00	0.00	1.97	4.80
1500	1.81	0.79	0.00	0.00	0.00	0.00	1.49	4.09	2.26	0.81	0.00	0.00	0.00	0.00	2.13	5.20
1505	2.28	0.99	0.00	0.00	0.00	0.00	1.88	5.15	2.85	1.01	0.00	0.00	0.00	0.00	2.68	6.54
1510	2.51	1.09	0.00	0.00	0.00	0.00	2.07	5.67	3.13	1.12	0.00	0.00	0.00	0.00	2.95	7.20
1515	2.88	1.25	0.00	0.00	0.00	0.00	2.38	6.51	3.60	1.28	0.00	0.00	0.00	0.00	3.40	8.28
1520	3.11	1.35	0.00	0.00	0.00	0.00	2.57	7.03	3.89	1.39	0.00	0.00	0.00	0.00	3.66	8.94
1525	3.36	1.46	0.00	0.00	0.00	0.00	2.77	7.59	4.19	1.49	0.00	0.00	0.00	0.00	3.95	9.63
1530	3.60	1.57	0.00	0.00	0.00	0.00	2.97	8.14	4.50	1.60	0.00	0.00	0.00	0.00	4.24	10.34
1535	3.81	1.66	0.00	0.00	0.00	0.00	3.14	8.61	4.76	1.70	0.00	0.00	0.00	0.00	4.49	10.95
1540	4.01	1.74	0.00	0.00	0.00	0.00	3.30	9.05	5.01	1.78	0.00	0.00	0.00	0.00	4.72	11.51
1545	4.23	1.84	0.00	0.00	0.00	0.00	3.49	9.56	5.29	1.88	0.00	0.00	0.00	0.00	4.98	12.15
1550	4.42	1.92	0.00	0.00	0.00	0.00	3.64	9.98	5.53	1.97	0.00	0.00	0.00	0.00	5.21	12.71
1555	4.61	2.01	0.00	0.00	0.00	0.00	3.80	10.42	5.76	2.05	0.00	0.00	0.00	0.00	5.43	13.24
1565	1.30	0.56	0.00	0.00	0.00	0.00	1.07	2.93	1.62	0.58	0.00	0.00	0.00	0.00	1.53	3.73
1570	1.32	0.58	0.00	0.00	0.00	0.00	1.09	2.99	1.65	0.59	0.00	0.00	0.00	0.00	1.56	3.80
1575	1.91	0.83	0.00	0.00	0.00	0.00	1.57	4.31	2.39	0.85	0.00	0.00	0.00	0.00	2.25	5.49
1580	2.35	1.02	0.00	0.00	0.00	0.00	1.94	5.31	2.94	1.05	0.00	0.00	0.00	0.00	2.77	6.76
1585	2.65	1.15	0.00	0.00	0.00	0.00	2.18	5.98	3.31	1.18	0.00	0.00	0.00	0.00	3.12	7.61
1590	2.89	1.26	0.00	0.00	0.00	0.00	2.38	6.53	3.61	1.28	0.00	0.00	0.00	0.00	3.40	8.29
1595	3.12	1.36	0.00	0.00	0.00	0.00	2.57	7.05	3.89	1.39	0.00	0.00	0.00	0.00	3.67	8.95
1600	3.32	1.44	0.00	0.00	0.00	0.00	2.74	7.50	4.15	1.48	0.00	0.00	0.00	0.00	3.91	9.54
1605	3.46	1.51	0.00	0.00	0.00	0.00	2.85	7.82	4.32	1.54	0.00	0.00	0.00	0.00	4.07	9.93
1610	3.76	1.64	0.00	0.00	0.00	0.00	3.10	8.50	4.70	1.67	0.00	0.00	0.00	0.00	4.43	10.80
1615	4.00	1.74	0.00	0.00	0.00	0.00	3.30	9.04	5.00	1.78	0.00	0.00	0.00	0.00	4.71	11.49
1620	4.22	1.84	0.00	0.00	0.00	0.00	3.48	9.54	5.28	1.88	0.00	0.00	0.00	0.00	4.97	12.13
1625	4.46	1.94	0.00	0.00	0.00	0.00	3.68	10.08	5.58	1.99	0.00	0.00	0.00	0.00	5.25	12.82
1630	4.64	2.02	0.00	0.00	0.00	0.00	3.82	10.48	5.80	2.06	0.00	0.00	0.00	0.00	5.46	13.32
1635	4.87	2.12	0.00	0.00	0.00	0.00	4.02	11.01	6.09	2.17	0.00	0.00	0.00	0.00	5.74	14.00
1645	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
1650	0.15	0.07	0.00	0.00	0.00	0.00	0.13	0.35								
1655	0.20	0.09	0.00	0.00	0.00	0.00	0.17	0.46								
1660	0.28	0.13	0.00	0.00	0.00	0.00	0.24	0.65								
1665	0.35	0.17	0.00	0.00	0.00	0.00	0.30	0.82								
1675	0.50	0.24	0.00	0.00	0.00	0.00	0.44	1.18								
1680	0.52	0.25	0.00	0.00	0.00	0.00	0.46	1.23								
1685	0.54	0.26	0.00	0.00	0.00	0.00	0.48	1.28								
1690	0.71	0.34	0.00	0.00	0.00	0.00	0.62	1.67								
1695	0.74	0.35	0.00	0.00	0.00	0.00	0.65	1.74								
1700	1.07	0.51	0.00	0.00	0.00	0.00	0.94	2.52								
1705	1.28	0.61	0.00	0.00	0.00	0.00	1.12	3.01								
1715	0.57	0.27	0.00	0.00	0.00	0.00	0.50	1.34								
1720	0.63	0.30	0.00	0.00	0.00	0.00	0.56	1.49								
1725	0.73	0.35	0.00	0.00	0.00	0.00	0.64	1.72								
1730	0.82	0.39	0.00	0.00	0.00	0.00	0.72	1.93								
1735	0.95	0.46	0.00	0.00	0.00	0.00	0.84	2.25								
1750	0.29	0.12	0.00	0.00	0.00	0.00	0.24	0.65	0.36	0.13	0.00	0.00	0.00	0.00	0.34	0.83
1755	0.34	0.15	0.00	0.00	0.00	0.00	0.28	0.77	0.42	0.15	0.00	0.00	0.00	0.00	0.40	0.97
1760	0.41	0.18	0.00	0.00	0.00	0.00	0.34	0.93	0.52	0.18	0.00	0.00	0.00	0.00	0.49	1.19
1765	0.49	0.21	0.00	0.00	0.00	0.00	0.40	1.10	0.61	0.22	0.00	0.00	0.00	0.00	0.58	1.41
1770	0.57	0.25	0.00	0.00	0.00	0.00	0.47	1.29	0.72	0.26	0.00	0.00	0.00	0.00	0.68	1.66
1775	0.71	0.31	0.00	0.00	0.00	0.00	0.58	1.60	0.89	0.32	0.00	0.00	0.00	0.00	0.83	2.04
1780	0.78	0.34	0.00	0.00	0.00	0.00	0.65	1.77	0.98	0.35	0.00	0.00	0.00	0.00	0.92	2.25
1785	0.95	0.42	0.00	0.00	0.00	0.00	0.79	2.16	1.19	0.42	0.00	0.00	0.00	0.00	1.12	2.73
1790	1.01	0.44	0.00	0.00	0.00	0.00	0.83	2.28	1.27	0.45	0.00	0.00	0.00	0.00	1.19	2.91
1795	1.22	0.53	0.00	0.00	0.00	0.00	1.01	2.76	1.53	0.54	0.00	0.00	0.00	0.00	1.44	3.51
1800	1.33	0.58	0.00	0.00	0.00	0.00	1.09	3.00	1.66	0.59	0.00	0.00	0.00	0.00	1.56	3.81
1805	1.45	0.63	0.00	0.00	0.00	0.00	1.19	3.27	1.81	0.64	0.00	0.00	0.00	0.00	1.71	4.16
1810	1.61	0.70	0.00	0.00	0.00	0.00	1.32	3.63	2.01	0.71	0.00	0.00	0.00	0.00	1.89	4.61
1815	1.85	0.81	0.00	0.00	0.00	0.00	1.53	4.19	2.32	0.83	0.00	0.00	0.00	0.00	2.18	5.33
1820	2.02	0.88	0.00	0.00	0.00	0.00	1.66	4.56	2.52	0.90	0.00	0.00	0.00	0.00	2.37	5.79
1825	2.48	1.08	0.00	0.00	0.00	0.00	2.04	5.60	3.10	1.10	0.00	0.00	0.00	0.00	2.92	7.12
1830	2.85	1.24	0.00	0.00	0.00	0.00	2.35	6.44	3.56	1.27	0.00	0.00	0.00	0.00	3.36	8.19
1840	0.33	0.15	0.00	0.00	0.00	0.00	0.28	0.76	0.42	0.15	0.00	0.00	0.00	0.00	0.39	0.96
1845	0.41	0.18	0.00	0.00	0.00	0.00	0.34	0.93	0.51	0.18	0.00	0.00	0.00	0.00	0.48	1.17
1850	0.51	0.22	0.00	0.00	0.00	0.00	0.42	1.15	0.63	0.23	0.00	0.00	0.00	0.00	0.60	1.46
1855	0.60	0.26	0.00	0.00	0.00	0.00	0.50	1.36	0.75	0.27	0.00	0.00	0.00	0.00	0.71	1.73
1860	0.69	0.30	0.00	0.00	0.00	0.00	0.57	1.56	0.87	0.31	0.00	0.00	0.00	0.00	0.82	2.00
1865	0.83	0.36	0.00	0.00	0.00	0.00	0.68	1.87	1.04	0.37	0.00	0.00	0.00	0.00	0.98	2.39
1870	0.92	0.40	0.00	0.00	0.00	0.00	0.76	2.08	1.15	0.41	0.00	0.00	0.00	0.00	1.08	2.64
1875	1.10	0.48	0.00	0.00	0.00	0.00	0.91	2.49	1.38	0.49	0.00	0.00	0.00	0.00	1.30	3.17
1880	1.18	0.51	0.00	0.00	0.00	0.00	0.97	2.66	1.47	0.52	0.00	0.00	0.00	0.00	1.39	3.38
1885	1.51	0.66	0.00	0.00	0.00	0.00	1.24	3.41	1.89	0.67	0.00	0.00	0.00	0.00	1.78	4.34
1890	1.56	0.68	0.00	0.00	0.00	0.00	1.29	3.53	1.95	0.69	0.00	0.00	0.00	0.00	1.84	4.48
1895	1.79	0.77	0.00	0.00	0.00	0.00	1.47	4.02	2.22	0.79	0.00	0.00	0.00	0.00	2.10	5.11
1900	1.96	0.85	0.00	0.00	0.00	0.00	1.62	4.43	2.45	0.87	0.00	0.00	0.00	0.00	2.31	5.63
1905	2.35	1.02	0.00	0.00	0.00	0.00	1.93	5.30	2.93	1.04	0.00	0.00	0.00	0.00	2.75	6.73
1910	2.50	1.09	0.00	0.00	0.00	0.00	2.06	5.65	3.12	1.11	0.00	0.00	0.00	0.00	2.94	7.17
1915	3.18	1.39	0.00	0.00	0.00	0.00	2.62	7.19	3.98	1.42	0.00	0.00	0.00	0.00	3.75	9.15
1920	3.54	1.54	0.00	0.00	0.00	0.00	2.92	8.00	4.43	1.58	0.00	0.00	0.00	0.00	4.17	10.18
1930	1.33	0.58	0.00	0.00	0.00	0.00	1.10	3.01	1.67	0.59	0.00	0.00	0.00	0.00	1.57	3.83
1935	1.39	0.60	0.00	0.00	0.00	0.00	1.14	3.13	1.74	0.62	0.00	0.00	0.00	0.00	1.63	3.99
1940	1.55	0.68	0.00	0.00	0.00	0.00	1.28	3.51	1.94	0.69	0.00	0.00	0.00	0.00	1.83	4.46
1945	2.08	0.90	0.00	0.00	0.00	0.00	1.71	4.69	2.60	0.92	0.00	0.00	0.00	0.00	2.45	5.97
1950	2.32	1.01	0.00	0.00	0.00	0.00	1.92	5.25	2.90	1.03	0.00	0.00	0.00	0.00	2.74	6.67

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
1955	2.40	1.04	0.00	0.00	0.00	0.00	1.98	5.42	3.00	1.07	0.00	0.00	0.00	0.00	2.83	6.90
1960	2.57	1.12	0.00	0.00	0.00	0.00	2.12	5.81	3.21	1.14	0.00	0.00	0.00	0.00	3.03	7.38
1965	3.27	1.42	0.00	0.00	0.00	0.00	2.69	7.38	4.08	1.45	0.00	0.00	0.00	0.00	3.85	9.38
1970	3.36	1.46	0.00	0.00	0.00	0.00	2.77	7.59	4.20	1.50	0.00	0.00	0.00	0.00	3.96	9.66
1975	4.27	1.86	0.00	0.00	0.00	0.00	3.52	9.65	5.34	1.90	0.00	0.00	0.00	0.00	5.03	12.27
1980	4.44	1.93	0.00	0.00	0.00	0.00	3.66	10.03	5.54	1.97	0.00	0.00	0.00	0.00	5.22	12.73
1985	5.28	2.30	0.00	0.00	0.00	0.00	4.35	11.93	6.59	2.35	0.00	0.00	0.00	0.00	6.21	15.15
1990	5.63	2.45	0.00	0.00	0.00	0.00	4.64	12.72	7.04	2.51	0.00	0.00	0.00	0.00	6.63	16.18
2000	0.81	0.35	0.00	0.00	0.00	0.00	0.67	1.83	1.02	0.36	0.00	0.00	0.00	0.00	0.96	2.34
2005	1.04	0.45	0.00	0.00	0.00	0.00	0.86	2.35	1.30	0.46	0.00	0.00	0.00	0.00	1.23	2.99
2010	1.43	0.62	0.00	0.00	0.00	0.00	1.18	3.23	1.79	0.64	0.00	0.00	0.00	0.00	1.68	4.11
2015	1.89	0.82	0.00	0.00	0.00	0.00	1.56	4.27	2.36	0.84	0.00	0.00	0.00	0.00	2.23	5.43
2020	2.83	1.23	0.00	0.00	0.00	0.00	2.33	6.39	3.53	1.26	0.00	0.00	0.00	0.00	3.33	8.12
2025	3.22	1.40	0.00	0.00	0.00	0.00	2.66	7.28	4.03	1.43	0.00	0.00	0.00	0.00	3.80	9.26
2030	3.91	1.70	0.00	0.00	0.00	0.00	3.22	8.83	4.88	1.74	0.00	0.00	0.00	0.00	4.60	11.22
2035	4.75	2.07	0.00	0.00	0.00	0.00	3.91	10.73	5.93	2.11	0.00	0.00	0.00	0.00	5.59	13.63
2040	5.76	2.51	0.00	0.00	0.00	0.00	4.75	13.02	7.20	2.56	0.00	0.00	0.00	0.00	6.79	16.54
2045	6.68	2.91	0.00	0.00	0.00	0.00	5.51	15.10	8.35	2.97	0.00	0.00	0.00	0.00	7.87	19.19
2055	0.22	0.07	0.32	0.08	0.00	0.00	0.34	1.03								
2060	0.22	0.07	0.32	0.08	0.00	0.00	0.33	1.02								
2065	0.39	0.12	0.43	0.10	0.00	0.00	0.61	1.65								
2070	0.31	0.09	0.54	0.13	0.00	0.00	0.47	1.54								
2075	0.39	0.12	0.64	0.15	0.00	0.00	0.61	1.91								
2080	0.17	0.05	0.43	0.10	0.00	0.00	0.26	1.01								
2085	0.24	0.07	0.75	0.18	0.00	0.00	0.37	1.61								
2090	0.24	0.07	0.43	0.10	0.00	0.00	0.37	1.21								
2095	0.30	0.09	0.43	0.10	0.00	0.00	0.46	1.38								
2100	0.22	0.07	0.43	0.10	0.00	0.00	0.33	1.15								
2105	0.41	0.12	0.25	0.06	0.00	0.00	0.63	1.47								
2110	0.74	0.23	0.25	0.06	0.00	0.00	1.14	2.42								
2115	1.10	0.34	0.35	0.08	0.00	0.00	1.68	3.55								
2120	0.95	0.29	0.25	0.06	0.00	0.00	1.45	3.00								
2125	1.17	0.36	0.20	0.05	0.00	0.00	1.80	3.58								
2130	1.63	0.50	0.40	0.10	0.00	0.00	2.49	5.12								
2135	2.05	0.63	0.65	0.16	0.00	0.00	3.14	6.63								
2140	0.44	0.14	0.97	0.23	0.00	0.00	0.68	2.46								
2145	0.47	0.14	0.35	0.08	0.00	0.00	0.72	1.76								
2150	1.58	0.48	0.55	0.13	0.00	0.00	2.43	5.17								
2155	1.45	0.44	0.40	0.10	0.00	0.00	2.22	4.61								
2160	1.63	0.50	0.40	0.10	0.00	0.00	2.49	5.12								
2170	0.23	0.07	0.42	0.13	0.00	0.00	0.23	1.08								
2180	0.19	0.06	0.59	0.19	0.00	0.00	0.19	1.22								
2185	0.76	0.23	1.34	0.43	0.00	0.00	0.75	3.51								
2190	0.98	0.30	1.34	0.43	0.00	0.00	0.97	4.02								
2200	0.07	0.03	0.05	0.02	0.02	0.00	0.07	0.26								
2205	0.07	0.03	0.05	0.02	0.02	0.00	0.08	0.27								
2210	0.25	0.08	0.59	0.19	0.02	0.00	0.26	1.39								
2215	0.20	0.07	0.59	0.19	0.02	0.00	0.20	1.27								
2225	10.31	4.98	5.07	1.42	0.00	0.00	11.85	33.63								
2230	18.35	8.87	7.43	2.08	0.00	0.00	21.09	57.82								
2235	32.40	15.65	8.93	2.50	0.00	0.00	37.23	96.71								
2245	2.08	1.01	5.06	1.52	0.04	0.01	2.39	12.21								
2250	9.71	4.69	3.57	1.00	0.00	0.00	11.15	30.12								
2260	2.55	0.92	0.63	0.18	0.07	0.01	2.69	7.05								
2265	2.92	1.06	1.05	0.29	0.07	0.01	3.07	8.47								

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
2270	0.83	0.31	0.00	0.19	0.04	0.01	0.88	2.26								
2275	1.65	0.60	0.00	0.31	0.04	0.01	1.74	4.35								
2285	4.65	1.66	3.26	0.91	0.02	0.00	4.88	15.38								
2295	5.53	1.97	5.79	1.62	0.02	0.00	5.81	20.74								
2300	15.01	5.38	14.11	3.95	0.27	0.04	15.76	54.52								
2310	4.72	1.68	3.53	0.99	0.02	0.00	4.95	15.89								
2315	7.31	2.63	3.00	2.24	0.15	0.02	7.68	28.03								
2320	7.51	2.70	3.00	2.24	0.15	0.02	7.89	28.51								
2325	10.03	3.58	9.32	2.61	0.07	0.01	10.52	36.14								
2330	12.90	4.60	15.79	4.42	0.07	0.01	13.53	51.32								
2335	15.28	5.55	11.76	3.29	0.66	0.10	16.08	52.72								
2340	22.14	7.99	11.76	3.29	0.68	0.10	23.27	69.23								
2345	27.14	9.81	16.06	4.50	0.93	0.14	28.53	87.11								
2355	0.16	0.06	0.86	0.27	0.00	0.00	0.18	1.53								
2360	0.20	0.08	1.29	0.41	0.00	0.00	0.23	2.21								
2365	0.20	0.08	1.50	0.48	0.00	0.00	0.22	2.48								
2370	0.45	0.18	1.50	0.48	0.00	0.00	0.50	3.11								
2375	0.57	0.22	1.93	0.62	0.00	0.00	0.64	3.98								
2380	0.64	0.25	3.22	1.03	0.00	0.00	0.72	5.86								
2385	0.94	0.37	3.76	1.20	0.00	0.00	1.05	7.32								
2390	1.27	0.50	6.98	2.23	0.00	0.00	1.41	12.39								
2400	13.10	7.43	2.62	0.84	0.00	0.00	11.40	35.39	15.72	7.53	3.32	1.06	0.00	0.00	15.63	43.26
2405	14.56	10.18	3.21	0.64	0.00	0.00	14.48	43.07	16.80	10.27	4.07	0.81	0.00	0.00	18.80	50.75
2410	14.65	10.24	2.57	0.51	0.00	0.00	11.84	39.81	15.91	10.33	3.32	0.66	0.00	0.00	14.71	45.93
2420	15.96	11.16	2.57	0.51	0.00	0.00	12.90	43.10	18.42	11.26	3.32	0.66	0.00	0.00	16.03	49.69
2430	16.65	11.64	2.82	0.56	0.00	0.00	13.45	45.12	19.21	11.74	3.64	0.73	0.00	0.00	16.72	52.04
2440	19.90	13.91	4.74	0.95	0.00	0.00	19.79	59.29	22.96	14.03	6.00	1.20	0.00	0.00	25.68	69.87
2445	19.47	13.61	3.79	0.76	0.00	0.00	15.73	53.36	22.47	13.73	4.90	0.98	0.00	0.00	19.55	61.63
2455	17.19	14.29	3.79	0.83	0.00	0.00	16.03	52.13	19.34	14.37	4.90	1.08	0.00	0.00	19.23	58.92
2465	21.04	17.49	3.79	0.83	0.00	0.00	19.62	62.77	23.67	17.59	4.90	1.08	0.00	0.00	23.54	70.79
2475	28.68	23.84	6.47	1.42	0.00	0.00	26.74	87.15	32.26	23.98	8.36	1.84	0.00	0.00	32.09	98.53
2485	29.94	24.88	6.47	1.42	0.00	0.00	27.91	90.62	33.68	25.03	8.36	1.84	0.00	0.00	33.49	102.40
2490	28.84	23.97	3.09	1.78	0.00	0.00	32.26	94.94	32.44	24.11	10.25	2.26	0.00	0.00	40.33	109.39
2500	32.41	26.94	6.47	1.42	0.00	0.00	30.22	97.46	36.47	27.10	8.36	1.84	0.00	0.00	36.27	110.04
2510	30.66	28.18	6.47	1.55	0.00	0.00	32.40	99.26	34.07	28.32	8.36	2.01	0.00	0.00	38.11	110.87
2520	32.19	29.59	6.47	1.55	0.00	0.00	34.01	103.81	35.76	29.72	8.36	2.01	0.00	0.00	40.01	115.86
2535	13.87	7.87	3.24	1.04	0.00	0.00	12.07	38.09	16.65	7.98	4.11	1.31	0.00	0.00	16.56	46.61
2540	11.34	7.93	2.59	0.52	0.00	0.00	9.17	31.55	13.09	8.00	3.35	0.67	0.00	0.00	11.39	36.50
2550	21.58	10.34	4.74	0.95	0.00	0.00	21.46	59.07	26.97	10.55	6.23	1.25	0.00	0.00	30.17	75.17
2555	16.02	11.20	4.06	0.81	0.00	0.00	15.93	48.02	18.48	11.29	5.14	1.03	0.00	0.00	20.68	56.62
2560	16.10	11.26	3.25	0.65	0.00	0.00	13.01	44.27	18.58	11.35	4.20	0.84	0.00	0.00	16.17	51.14
2570	30.63	14.67	5.36	1.17	0.00	0.00	30.46	82.79	38.28	14.97	7.70	1.54	0.00	0.00	42.83	105.32
2575	20.96	14.65	5.02	1.00	0.00	0.00	20.84	62.47	24.18	14.78	6.36	1.27	0.00	0.00	27.05	73.54
2585	36.54	20.72	6.74	1.48	0.00	0.00	40.88	106.36	43.34	21.01	8.86	1.95	0.00	0.00	54.50	130.16
2590	34.96	19.83	6.74	1.48	0.00	0.00	39.11	102.12	41.95	20.10	8.86	1.95	0.00	0.00	52.15	125.01
2595	24.12	20.05	5.78	1.27	0.00	0.00	26.99	78.21	27.14	20.17	7.32	1.61	0.00	0.00	33.74	89.98
2600	23.59	19.61	4.62	1.02	0.00	0.00	22.00	70.84	26.54	19.73	5.97	1.31	0.00	0.00	25.40	79.95
2610	29.67	24.66	5.48	1.21	0.00	0.00	27.66	88.68	33.38	24.80	7.08	1.56	0.00	0.00	33.19	100.01
2615	28.37	23.58	6.85	1.51	0.00	0.00	31.74	92.05	31.91	23.71	8.68	1.91	0.00	0.00	39.67	105.88
2625	44.03	24.97	3.09	1.78	0.00	0.00	49.26	123.13	52.84	25.31	10.64	2.34	0.00	0.00	65.68	156.31
2630	41.64	23.62	3.09	1.78	0.00	0.00	46.59	121.72	49.97	23.94	10.64	2.34	0.00	0.00	62.12	149.01
2635	26.34	21.89	6.94	1.53	0.00	0.00	29.47	86.17	29.63	22.02	8.79	1.93	0.00	0.00	36.84	99.21
2645	57.12	33.84	12.01	2.88	0.00	0.00	73.31	179.16	66.64	34.21	15.78	3.79	0.00	0.00	93.31	213.73
2650	30.39	28.40	10.29	2.47	0.00	0.00	38.40	110.45	34.33	28.53	13.04	3.13	0.00	0.00	46.94	125.97
2665	11.03	7.71	2.48	0.50	0.00	0.00	8.91	30.63	12.72	7.78	3.21	0.64	0.00	0.00	11.07	35.42

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
2675	14.49	12.05	3.72	0.82	0.00	0.00	13.51	44.59	16.31	12.12	4.81	1.06	0.00	0.00	16.22	50.52
2685	19.94	16.57	3.86	0.85	0.00	0.00	18.59	59.81	22.43	16.67	4.98	1.10	0.00	0.00	22.30	67.48
2695	29.95	24.39	5.53	1.22	0.00	0.00	27.92	89.51	33.69	25.04	7.14	1.57	0.00	0.00	33.51	100.95
2710	20.58	17.10	8.09	1.78	0.00	0.00	23.02	70.57	23.15	17.20	10.25	2.26	0.00	0.00	28.78	81.64
2715	22.55	18.82	6.47	1.42	0.00	0.00	21.11	70.47	25.48	18.93	8.36	1.84	0.00	0.00	25.34	79.95
2730	26.75	22.23	6.77	1.49	0.00	0.00	24.94	82.18	30.09	22.37	8.74	1.92	0.00	0.00	29.93	93.05
2740	34.64	28.79	10.15	2.23	0.00	0.00	38.75	114.56	38.97	28.96	12.86	2.83	0.00	0.00	48.44	132.06
2745	33.50	30.79	8.12	1.95	0.00	0.00	35.39	109.75	37.22	30.93	10.49	2.52	0.00	0.00	41.64	122.80
2755	49.56	45.56	15.45	3.71	0.00	0.00	52.37	166.65	55.07	45.77	19.96	4.79	0.00	0.00	61.51	187.20
2760	49.05	45.09	19.32	4.64	0.00	0.00	60.98	179.08	54.50	45.30	24.47	5.87	0.00	0.00	74.53	204.67
2775	14.82	10.36	6.71	1.34	0.00	0.00	14.73	47.96	17.09	10.45	8.50	1.70	0.00	0.00	19.13	56.87
2780	14.65	10.24	5.37	1.07	0.00	0.00	11.84	43.17	16.90	10.33	6.94	1.39	0.00	0.00	14.71	50.27
2790	36.78	17.62	8.65	1.73	0.00	0.00	36.58	101.36	45.98	17.98	11.37	2.27	0.00	0.00	51.44	129.04
2795	21.13	14.77	7.42	1.48	0.00	0.00	21.01	65.81	24.38	14.90	9.39	1.88	0.00	0.00	27.27	77.82
2800	20.78	14.53	5.93	1.19	0.00	0.00	16.79	59.22	23.97	14.65	7.66	1.53	0.00	0.00	20.86	68.67
2810	19.98	16.61	8.57	1.89	0.00	0.00	22.35	69.40	22.48	16.70	10.86	2.39	0.00	0.00	27.94	80.37
2815	19.59	16.36	6.86	1.51	0.00	0.00	18.36	62.78	22.15	16.46	8.86	1.95	0.00	0.00	22.03	71.45
2825	49.57	28.11	11.78	2.59	0.00	0.00	55.46	147.51	59.48	28.50	15.48	3.41	0.00	0.00	73.94	180.81
2830	28.65	23.81	10.10	2.22	0.00	0.00	32.05	96.83	32.23	23.95	12.79	2.81	0.00	0.00	40.07	111.25
2835	29.81	24.79	8.08	1.78	0.00	0.00	27.79	92.24	33.54	24.92	10.43	2.30	0.00	0.00	33.35	104.54
2845	27.53	25.31	12.86	3.09	0.00	0.00	34.22	103.01	30.59	25.42	16.29	3.91	0.00	0.00	41.83	118.04
2850	32.22	26.78	10.29	2.26	0.00	0.00	30.04	101.59	35.25	26.94	13.29	2.92	0.00	0.00	36.05	115.45
2865	16.27	11.38	3.95	0.79	0.00	0.00	16.18	48.57	18.78	11.47	5.00	1.00	0.00	0.00	21.01	57.26
2870	13.95	11.59	3.16	0.69	0.00	0.00	13.01	42.40	15.69	11.66	4.08	0.90	0.00	0.00	15.51	47.94
2880	20.30	14.20	5.58	1.12	0.00	0.00	20.19	61.39	23.43	14.32	7.07	1.41	0.00	0.00	25.21	72.44
2885	17.57	14.61	4.47	0.98	0.00	0.00	16.38	54.01	19.77	14.69	5.77	1.27	0.00	0.00	19.66	61.16
2890	20.35	16.92	6.66	1.46	0.00	0.00	22.77	68.16	22.90	17.02	8.43	1.85	0.00	0.00	28.47	78.67
2895	21.48	17.86	5.32	1.17	0.00	0.00	20.03	65.86	24.17	17.96	6.88	1.51	0.00	0.00	24.03	74.55
2900	56.86	52.26	8.53	2.05	0.00	0.00	60.08	179.78	63.17	52.51	11.01	2.64	0.00	0.00	70.68	200.01
2910	5.59	3.92	4.00	1.20	0.94	0.14	4.60	20.39								
2915	6.02	4.21	4.11	1.23	0.94	0.14	4.95	21.60								
2920	6.76	4.76	4.11	1.23	1.23	0.18	5.57	23.84								
2925	7.42	5.21	4.11	1.23	1.27	0.19	6.11	25.54								
2930	9.92	6.94	5.57	1.67	1.12	0.17	8.16	33.55								
2935	13.67	9.57	6.07	1.82	2.71	0.41	11.26	45.61								
2940	16.20	11.52	6.07	1.82	3.56	0.53	13.36	53.06								
2945	20.09	14.18	7.43	2.23	3.83	0.58	16.54	64.88								
2950	25.76	18.32	8.22	2.46	5.64	0.85	21.23	82.48								
2955	48.68	34.58	18.29	5.49	10.47	1.57	40.12	159.20								
2965	5.73	4.01	4.07	1.22	0.88	0.13	4.71	20.75								
2970	6.20	4.32	4.32	1.30	0.88	0.13	5.09	22.24								
2975	9.56	6.73	6.43	1.93	1.73	0.26	7.86	34.50								
2985	6.24	4.36	4.46	1.34	0.95	0.14	5.13	22.62								
2990	6.83	4.76	4.46	1.34	0.95	0.14	5.61	24.09								
2995	7.27	5.05	4.57	1.37	0.95	0.14	5.97	25.32								
3000	7.31	5.08	4.57	1.37	0.95	0.14	6.00	25.42								
3005	9.10	6.33	5.54	1.66	1.22	0.18	7.48	31.51								
3010	9.38	6.52	5.54	1.66	1.22	0.18	7.71	32.21								
3015	9.71	6.74	5.54	1.66	1.22	0.18	7.98	33.03								
3020	12.77	9.07	7.22	2.16	2.71	0.41	10.52	44.86								
3025	13.16	9.39	7.22	2.16	3.03	0.45	10.85	46.26								
3030	13.69	9.74	7.22	2.16	3.03	0.45	11.28	47.57								
3035	17.62	12.53	8.39	2.52	3.83	0.58	14.52	59.99								
3045	5.07	3.49	4.21	1.26	0.45	0.07	4.16	18.71								
3050	5.23	3.61	4.21	1.26	0.55	0.08	4.29	19.23								

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
3055	5.43	3.75	4.21	1.26	0.55	0.08	4.46	19.74								
3060	6.21	4.34	4.21	1.26	0.95	0.14	5.11	22.22								
3065	10.29	7.27	6.29	1.89	2.03	0.30	8.47	36.54								
3070	11.16	7.98	6.29	1.89	2.71	0.41	9.21	39.65								
3075	13.95	9.86	6.72	2.01	2.71	0.41	11.49	47.15								
3085	9.44	7.27	6.16	1.60	0.86	0.13	6.64	32.10	10.62	7.32	7.87	2.05	1.04	0.16	8.09	37.15
3090	16.52	12.64	8.75	2.28	1.13	0.17	11.60	53.09	18.58	12.72	11.26	2.93	1.37	0.21	14.13	61.20
3100	10.95	7.04	5.14	2.21	0.56	0.08	6.40	33.38	12.63	7.11	8.08	2.91	0.69	0.10	8.13	39.65
3105	10.91	8.41	7.25	1.89	1.06	0.16	7.67	37.35	12.27	8.47	9.54	2.48	1.30	0.19	9.34	43.59
3110	13.66	10.48	7.61	1.98	1.08	0.16	9.59	44.56	15.36	10.55	10.01	2.60	1.32	0.20	11.69	51.73
3115	17.90	15.43	8.93	2.32	2.77	0.42	14.71	62.48	19.89	15.51	11.46	2.98	3.42	0.51	17.51	71.28
3120	27.95	23.77	9.27	2.41	2.77	0.42	22.92	89.51	31.06	23.89	11.86	3.08	3.42	0.51	27.28	101.10
3125	27.99	28.93	14.15	3.68	3.19	0.48	27.99	106.41	30.79	29.04	18.20	4.73	3.94	0.59	32.71	120.00
3135	10.05	6.49	7.72	2.78	0.66	0.10	5.88	33.68	11.60	6.55	10.15	3.65	0.82	0.12	7.47	40.36
3140	9.50	7.27	7.72	2.01	0.66	0.10	6.67	33.93	10.69	7.32	10.15	2.64	0.82	0.12	8.13	39.87
3145	14.06	10.78	8.50	2.21	1.05	0.16	9.88	46.64	15.82	10.85	11.19	2.91	1.27	0.19	12.04	54.27
3155	10.75	6.92	7.50	2.70	0.59	0.09	6.29	34.84	12.40	6.99	9.87	3.55	0.72	0.11	7.98	41.62
3160	11.34	8.73	8.72	2.27	1.03	0.15	7.97	40.21	12.76	8.79	11.47	2.98	1.26	0.19	9.71	47.16
3165	12.27	9.43	8.50	2.21	1.03	0.15	8.62	42.21	13.81	9.49	11.19	2.91	1.26	0.19	10.51	49.36
3170	13.76	11.78	11.50	2.99	1.73	0.26	11.30	53.32	15.29	11.84	15.13	3.93	2.14	0.32	13.45	62.10
3180	18.75	14.46	5.82	1.51	1.85	0.28	13.18	55.85	21.09	14.55	7.40	1.93	2.28	0.34	16.06	63.65
3185	17.20	14.65	5.82	1.51	1.85	0.28	14.10	55.41	19.11	14.73	7.40	1.93	2.28	0.34	16.79	62.58
3190	21.26	18.03	9.26	2.41	1.85	0.28	17.43	70.52	23.62	18.12	11.94	3.11	2.28	0.34	20.74	80.15
3195	22.78	19.37	10.13	2.63	2.25	0.34	18.68	76.18	25.31	19.47	12.95	3.37	2.78	0.42	22.24	86.54
3200	28.04	28.76	12.09	3.14	2.25	0.34	27.99	102.61	30.85	28.88	15.54	4.04	2.78	0.42	32.72	115.23
3205	39.15	40.51	13.17	3.42	4.66	0.70	39.15	140.76	43.06	40.66	16.80	4.37	5.75	0.86	45.76	157.26
3215	16.25	12.59	5.64	1.47	1.85	0.28	11.43	49.51	18.28	12.67	7.17	1.86	2.28	0.34	13.93	56.53
3220	21.92	18.61	8.18	2.13	2.02	0.30	17.97	71.13	24.36	18.71	10.43	2.71	2.49	0.37	21.39	80.46
3225	21.89	22.57	8.40	2.18	2.25	0.34	21.87	79.50	24.08	22.65	10.71	2.78	2.78	0.42	25.56	88.98
3235	20.04	17.05	9.45	2.46	2.02	0.30	16.43	67.75	22.27	17.14	12.14	3.16	2.49	0.37	19.55	77.13
3240	20.84	21.53	9.95	2.59	2.30	0.35	20.84	78.40	22.92	21.62	12.78	3.32	2.82	0.42	24.35	88.23
3250	13.76	8.85	4.33	1.56	0.76	0.11	8.05	37.42	15.87	8.93	5.50	1.98	0.95	0.14	10.21	43.58
3255	12.77	9.77	4.58	1.19	0.89	0.13	8.97	38.30	14.37	9.84	5.81	1.51	1.10	0.16	10.93	43.72
3260	14.24	10.93	4.86	1.26	1.16	0.17	10.01	42.63	16.02	11.01	6.15	1.60	1.43	0.21	12.19	48.61
3265	18.26	14.10	6.52	1.70	1.85	0.28	12.84	55.55	20.55	14.19	8.33	2.17	2.28	0.34	15.65	63.51
3270	20.57	17.54	8.24	2.14	2.25	0.34	16.87	67.95	22.86	17.63	10.46	2.72	2.78	0.42	20.09	76.96
3275	23.16	23.85	10.02	2.61	2.25	0.34	23.14	85.37	25.47	23.94	12.81	3.33	2.78	0.42	27.04	95.79
3280	49.44	50.60	16.24	4.22	3.47	0.52	49.33	173.82	54.38	50.79	20.39	5.43	4.28	0.64	57.65	194.06
3290	10.49	10.79	3.62	5.88	0.00	0.00	12.00	43.78								
3295	0.44	0.46	0.00	0.00	0.00	0.00	0.51	1.41								
3300	1.67	1.72	0.00	0.00	0.00	0.00	1.91	5.30								
3305	13.18	13.56	6.33	8.24	0.00	0.00	15.08	56.39								
3310	0.44	0.46	0.00	0.00	0.00	0.00	0.51	1.41								
3315	1.67	1.72	0.00	0.00	0.00	0.00	1.91	5.30								
3320	16.10	16.57	6.33	8.24	0.00	0.00	18.43	65.67								
3325	0.55	0.57	0.00	0.00	0.00	0.00	0.63	1.75								
3330	1.69	1.74	0.00	0.00	0.00	0.00	1.94	5.37								
3335	18.63	19.16	9.95	10.04	0.00	0.00	21.31	79.09								
3340	0.59	0.60	0.00	0.00	0.00	0.00	0.67	1.86								
3345	3.29	3.39	0.00	0.00	0.00	0.00	3.77	10.45								
3350	19.62	20.18	9.95	10.04	0.00	0.00	22.45	82.24								
3355	0.55	0.57	0.00	0.00	0.00	0.00	0.63	1.75								
3360	3.47	3.57	0.00	0.00	0.00	0.00	3.97	11.01								
3370	5.58	2.66	0.00	0.79	0.00	0.00	6.11	15.14								
3375	5.28	2.51	0.00	0.79	0.00	0.00	5.78	14.36								

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
3380	5.80	2.76	0.00	0.79	0.00	0.00	6.36	15.71								
3385	6.88	3.27	0.00	0.84	0.00	0.00	7.53	18.52								
3390	7.75	3.69	0.00	0.89	0.00	0.00	8.48	20.81								
3400	6.20	2.95	0.00	0.79	0.00	0.00	6.79	16.73								
3405	6.76	3.22	0.00	0.84	0.00	0.00	7.41	18.23								
3410	9.33	4.44	4.42	1.06	0.00	0.00	10.21	29.46								
3420	3.07	1.46	0.00	0.50	0.00	0.00	3.36	8.39								
3425	5.42	2.58	0.00	0.80	0.00	0.00	5.94	14.74								
3430	6.37	3.03	0.00	0.80	0.00	0.00	6.98	17.18								
3435	7.88	3.75	0.00	0.90	0.00	0.00	8.63	21.16								
3440	17.02	8.10	7.29	1.75	0.00	0.00	18.63	52.79								
3450	1.40	0.67	0.00	0.31	0.00	0.00	1.53	3.91								
3455	0.90	0.43	0.00	0.31	0.00	0.00	0.99	2.63								
3460	0.13	0.06	0.00	0.25	0.00	0.00	0.15	0.59								
3470	2.35	1.12	1.94	0.47	0.00	0.00	2.58	8.46								
3475	1.60	0.76	0.88	0.21	0.00	0.00	1.75	5.20								
3485	1.33	0.63	1.15	0.18	0.00	0.00	1.46	4.75								
3490	2.02	0.96	2.96	0.47	0.00	0.00	2.21	8.62								
3495	2.41	1.15	1.77	0.42	0.00	0.00	2.64	8.39								
3500	2.78	1.32	2.39	0.57	0.00	0.00	3.04	10.10								
3505	3.33	1.58	2.65	0.64	0.00	0.00	3.65	11.85								
3515	1.40	0.67	1.72	0.28	0.00	0.00	1.54	5.61								
3520	2.17	1.03	2.16	0.52	0.00	0.00	2.38	8.26								
3530	12.89	8.95	9.28	3.53	0.00	0.00	14.12	48.77								
3535	16.72	11.79	13.43	5.10	1.39	0.21	18.37	67.01								
3540	15.61	10.97	19.22	7.30	0.99	0.15	17.13	71.37								
3550	17.15	12.08	16.42	6.24	1.25	0.19	18.83	72.16								
3555	24.89	17.56	14.80	5.62	1.99	0.30	27.35	92.51								
3560	28.21	19.86	15.46	5.88	1.99	0.30	30.98	102.68								
3565	20.75	14.41	18.11	6.88	0.00	0.00	22.72	82.87								
3570	24.08	16.72	18.11	6.88	0.00	0.00	26.37	92.16								
3575	24.97	22.80	23.15	7.41	0.00	0.00	27.35	105.68								
3580	46.03	42.01	61.14	30.57	0.00	0.00	25.20	204.95								
3600	1.26	0.61	1.09	0.49	0.06	0.01	1.10	4.62								
3605	1.26	0.62	1.09	0.49	0.06	0.01	1.10	4.63								
3610	1.30	0.64	1.09	0.49	0.08	0.01	1.14	4.75								
3615	1.82	0.89	1.93	0.87	0.09	0.01	1.59	7.20								
3620	1.85	0.91	1.93	0.87	0.09	0.01	1.62	7.28								
3625	2.04	1.00	2.83	1.28	0.09	0.01	1.78	9.03								
3630	2.52	1.24	3.20	1.44	0.14	0.02	2.21	10.77								
3635	2.65	1.30	3.20	1.44	0.12	0.02	2.32	11.05								
3640	2.82	1.37	3.20	1.44	0.09	0.01	2.46	11.39								
3645	1.22	0.59	2.88	0.69	0.03	0.00	1.07	6.48								
3650	1.59	0.79	3.74	0.90	0.12	0.02	1.39	8.55								
3655	1.58	0.81	3.74	0.90	0.22	0.03	1.39	8.67								
3660	2.26	1.12	4.91	1.18	0.15	0.02	1.98	11.62								
3665	2.29	1.13	4.91	1.18	0.15	0.02	2.00	11.68								
3670	2.38	1.17	4.91	1.18	0.15	0.02	2.08	11.89								
3675	3.42	1.69	2.36	0.57	0.23	0.03	2.99	11.29								
3680	3.69	1.82	2.50	0.60	0.23	0.03	3.22	12.09								
3685	4.79	2.41	4.46	1.07	0.50	0.07	4.21	17.51								
3690	5.24	2.63	4.46	1.07	0.50	0.07	4.60	18.57								
3695	5.38	2.69	4.46	1.07	0.50	0.08	4.72	18.90								
3700	5.00	3.03	4.46	1.07	0.65	0.10	5.27	20.58								
3705	2.08	1.05	2.43	0.58	0.21	0.03	1.83	8.21								

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
3710	2.13	1.07	2.43	0.58	0.21	0.03	1.87	8.32								
3715	2.61	1.30	2.43	0.58	0.21	0.03	2.28	9.44								
3720	2.62	1.35	2.43	0.58	0.39	0.06	2.31	9.74								
3730	1.20	0.61	4.91	1.18	0.14	0.02	1.05	9.11								
3735	1.75	0.88	6.23	1.50	0.15	0.02	1.54	12.07								
3740	3.51	1.73	9.03	2.17	0.19	0.03	3.07	19.73								
3745	4.67	2.36	9.89	2.37	0.51	0.08	4.10	23.98								
3750	5.51	2.76	9.89	2.37	0.51	0.08	4.84	25.96								
3755	5.48	2.76	9.89	2.37	0.59	0.09	4.81	25.99								
3760	5.99	2.98	9.89	2.37	0.50	0.08	5.25	27.06								
3765	12.36	6.16	14.80	3.55	1.04	0.16	10.83	48.90								
3780	1.74	0.62	5.29	1.27	0.00	0.00	1.24	10.16	1.98	0.63	6.96	1.67	0.00	0.00	1.65	12.89
3785	2.28	0.81	6.68	1.60	0.00	0.00	1.62	12.99	2.60	0.82	8.79	2.11	0.00	0.00	2.16	16.48
3790	2.45	0.88	7.86	1.89	0.00	0.00	1.75	14.83	2.81	0.89	10.34	2.48	0.00	0.00	2.33	18.85
3795	2.63	0.94	10.36	2.49	0.00	0.00	1.88	18.30	3.01	0.95	13.63	3.27	0.00	0.00	2.50	23.36
3800	3.02	1.08	13.22	3.17	0.00	0.00	2.15	22.64	3.45	1.09	17.39	4.17	0.00	0.00	2.87	28.97
3805	3.58	1.28	13.22	3.17	0.00	0.00	2.55	23.80	4.09	1.30	17.39	4.17	0.00	0.00	3.40	30.35
3810	3.99	1.42	16.07	3.86	0.00	0.00	2.85	28.19	4.56	1.45	21.15	5.08	0.00	0.00	3.80	36.04
3815	4.83	1.72	17.86	4.29	0.00	0.00	3.44	32.14	5.52	1.75	23.50	5.64	0.00	0.00	4.59	41.00
3820	6.56	2.34	23.22	5.57	0.00	0.00	4.68	42.37	7.50	2.38	30.55	7.33	0.00	0.00	6.24	54.00
3825	8.75	3.12	30.18	7.24	0.00	0.00	6.24	55.53	10.00	3.17	39.71	9.53	0.00	0.00	8.32	70.73
3830	11.90	4.25	44.65	10.72	0.00	0.00	8.48	80.00	13.60	4.31	58.75	14.10	0.00	0.00	11.31	102.07
3835	15.64	5.58	51.79	12.43	0.00	0.00	11.15	96.59	17.88	5.67	68.15	16.36	0.00	0.00	14.87	122.93
3845	0.09	0.03	0.39	0.09	0.00	0.00	0.06	0.66	0.10	0.03	0.51	0.12	0.00	0.00	0.08	0.84
3850	0.14	0.05	0.62	0.15	0.00	0.00	0.10	1.06	0.15	0.05	0.81	0.19	0.00	0.00	0.13	1.33
3855	0.18	0.06	0.93	0.22	0.00	0.00	0.13	1.52	0.20	0.06	1.22	0.29	0.00	0.00	0.17	1.94
3870	0.15	0.06	0.47	0.11	0.00	0.00	0.11	0.90	0.18	0.06	0.61	0.15	0.00	0.00	0.15	1.15
3875	0.35	0.12	1.09	0.25	0.00	0.00	0.25	2.07	0.40	0.13	1.42	0.34	0.00	0.00	0.33	2.62
3880	0.38	0.14	1.56	0.37	0.00	0.00	0.27	2.72	0.44	0.14	2.03	0.49	0.00	0.00	0.36	3.46
3885	0.40	0.14	0.21	0.05	0.00	0.00	0.29	1.09	0.46	0.15	0.28	0.07	0.00	0.00	0.38	1.34
3890	0.54	0.19	0.43	0.10	0.00	0.00	0.38	1.64	0.61	0.19	0.56	0.14	0.00	0.00	0.51	2.01
3895	0.77	0.28	0.79	0.19	0.00	0.00	0.55	2.58	0.88	0.28	1.03	0.25	0.00	0.00	0.73	3.17
3900	0.79	0.28	0.96	0.23	0.00	0.00	0.56	2.82	0.90	0.29	1.27	0.30	0.00	0.00	0.75	3.51
3905	1.17	0.42	2.25	0.54	0.00	0.00	0.84	5.22	1.34	0.42	2.96	0.71	0.00	0.00	1.11	6.54
3910	1.55	0.55	3.11	0.75	0.00	0.00	1.11	7.07	1.77	0.56	4.09	0.98	0.00	0.00	1.47	8.87
3915	1.78	0.64	3.64	0.87	0.00	0.00	1.27	8.20	2.04	0.65	4.79	1.15	0.00	0.00	1.69	10.32
3920	2.12	0.76	5.79	1.39	0.00	0.00	1.51	11.57	2.42	0.77	7.61	1.83	0.00	0.00	2.02	14.65
3925	2.22	0.79	5.79	1.39	0.00	0.00	1.58	11.77	2.54	0.81	7.61	1.83	0.00	0.00	2.11	14.90
3930	2.57	0.92	7.50	1.80	0.00	0.00	1.83	14.62	2.94	0.93	9.87	2.37	0.00	0.00	2.44	18.55
3935	3.04	1.09	9.86	2.37	0.00	0.00	2.17	18.53	3.48	1.10	12.97	3.11	0.00	0.00	2.89	23.55
3945	0.10	0.03	0.39	0.09	0.00	0.00	0.07	0.68	0.11	0.03	0.51	0.12	0.00	0.00	0.09	0.86
3950	0.10	0.04	0.55	0.13	0.00	0.00	0.07	0.89	0.12	0.04	0.71	0.17	0.00	0.00	0.10	1.14
3955	0.15	0.05	0.62	0.15	0.00	0.00	0.10	1.07	0.17	0.05	0.81	0.19	0.00	0.00	0.14	1.36
3960	0.19	0.07	0.78	0.19	0.00	0.00	0.13	1.36	0.21	0.07	1.01	0.24	0.00	0.00	0.18	1.71
3965	0.20	0.07	1.25	0.30	0.00	0.00	0.14	1.96	0.22	0.07	1.62	0.39	0.00	0.00	0.19	2.49
3970	0.18	0.07	1.25	0.30	0.00	0.00	0.13	1.93	0.21	0.07	1.62	0.39	0.00	0.00	0.18	2.47
3985	6.25	4.06	4.11	1.40	0.45	0.07	5.08	21.42	7.50	4.11	5.40	1.84	0.61	0.09	7.12	26.67
3990	7.20	4.65	4.44	1.51	0.45	0.07	5.85	24.17	8.64	4.71	5.84	1.98	0.61	0.09	8.19	30.06
3995	7.76	5.02	4.44	1.51	0.50	0.07	6.31	25.61	9.31	5.08	5.84	1.98	0.67	0.10	8.83	31.81
4000	7.87	5.11	4.93	1.68	0.58	0.09	6.40	26.66	9.44	5.17	6.49	2.21	0.78	0.12	8.96	33.17
4005	10.92	7.20	5.92	2.01	1.26	0.19	8.92	36.42	13.11	7.29	7.78	2.65	1.71	0.26	12.49	45.29
4010	15.62	10.34	8.22	2.80	1.97	0.30	12.77	52.02	18.74	10.46	10.81	3.68	2.67	0.40	17.88	64.64
4020	5.96	3.89	4.44	1.51	0.55	0.08	4.85	21.28	7.15	3.94	5.84	1.98	0.74	0.11	6.80	26.56
4025	7.13	4.65	5.00	1.70	0.63	0.09	5.81	25.01	8.56	4.71	6.57	2.23	0.85	0.13	8.13	31.18
4030	7.35	4.79	5.92	2.01	0.63	0.09	5.99	26.78	8.82	4.85	7.78	2.65	0.85	0.13	8.38	33.46

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
4035	8.10	5.27	6.91	2.35	0.63	0.09	6.59	29.94	9.72	5.33	9.08	3.09	0.85	0.13	9.23	37.43
4040	5.59	3.66	4.44	1.51	0.55	0.08	4.56	20.39	6.71	3.71	5.84	1.98	0.74	0.11	6.38	25.47
4045	6.18	4.05	5.00	1.70	0.63	0.09	5.04	22.69	7.41	4.10	6.57	2.23	0.85	0.13	7.06	28.35
4050	6.69	4.38	5.92	2.01	0.63	0.09	5.46	25.18	8.03	4.43	7.78	2.65	0.85	0.13	7.64	31.51
4055	7.62	4.96	6.91	2.35	0.63	0.09	6.21	28.77	9.15	5.03	9.08	3.09	0.85	0.13	8.69	36.02
4060	8.50	5.67	6.91	2.35	1.26	0.19	6.97	31.85	10.20	5.74	9.08	3.09	1.71	0.26	9.75	39.83
4070	3.36	2.18	2.24	0.76	0.25	0.04	2.73	11.56	4.03	2.21	2.94	1.00	0.34	0.05	3.82	14.39
4075	5.19	3.40	4.28	1.45	0.50	0.07	4.23	19.12	6.23	3.44	5.62	1.91	0.67	0.10	5.92	23.89
4080	5.57	3.65	4.77	1.62	0.58	0.09	4.54	20.82	6.68	3.70	6.27	2.13	0.79	0.12	6.36	26.04
4085	5.87	3.91	5.26	1.79	0.84	0.13	4.81	22.61	7.05	3.96	6.92	2.35	1.14	0.17	6.73	28.32
4095	2.82	1.82	4.89	0.98	0.18	0.03	2.29	13.01	3.38	1.84	6.34	1.27	0.24	0.04	3.20	16.31
4100	5.96	3.87	4.77	1.62	0.45	0.07	4.85	21.59	7.15	3.92	6.27	2.13	0.61	0.09	6.79	26.96
4105	8.05	5.22	5.76	1.96	0.58	0.09	6.55	28.21	9.66	5.29	7.57	2.57	0.78	0.12	9.17	35.16
4110	8.36	5.42	6.48	2.20	0.58	0.09	6.80	29.93	10.03	5.48	8.52	2.90	0.78	0.12	9.51	37.34
4120	0.48	0.23	0.00	0.10	0.00	0.00	0.47	1.28								
4125	0.76	0.37	0.00	0.19	0.00	0.00	0.76	2.08								
4130	0.92	0.44	0.00	0.30	0.00	0.00	0.92	2.58								
4135	2.39	1.14	0.00	0.41	0.00	0.00	2.37	6.31								
4145	5.63	2.70	3.57	0.86	0.00	0.00	5.59	18.35								
4150	7.61	3.65	3.57	0.86	0.00	0.00	7.56	23.25								
4155	11.70	5.60	4.64	1.11	0.00	0.00	11.62	34.67								
4160	13.03	6.24	5.36	1.29	0.00	0.00	12.94	38.86								
4180	12.82	6.14	5.26	1.05	0.00	0.00	12.74	38.01	15.02	6.26	6.92	1.38	0.00	0.00	17.92	48.50
4185	18.41	8.82	7.73	1.55	0.00	0.00	18.31	54.82	23.01	9.00	10.16	2.03	0.00	0.00	25.74	69.94
4190	22.18	10.62	10.13	2.03	0.00	0.00	22.05	67.01	27.72	10.84	13.32	2.66	0.00	0.00	31.01	85.55
4195	38.57	21.87	20.27	4.46	0.00	0.00	43.15	128.32	46.28	22.17	26.64	5.86	0.00	0.00	57.54	158.49
4205	16.70	7.21	5.79	2.20	0.00	0.00	15.55	47.45	22.26	7.43	7.61	2.89	0.00	0.00	23.69	63.88
4210	19.74	9.46	6.74	1.35	0.00	0.00	19.64	56.93	24.68	9.65	8.86	1.77	0.00	0.00	27.61	72.57
4215	24.85	11.90	8.16	1.63	0.00	0.00	24.71	71.25	31.06	12.15	10.72	2.14	0.00	0.00	34.75	90.82
4220	34.69	19.67	12.90	2.84	0.00	0.00	38.81	108.91	41.53	19.94	16.95	3.73	0.00	0.00	51.75	134.00
4230	9.85	4.25	3.78	1.44	0.00	0.00	9.17	28.49	13.13	4.38	4.97	1.89	0.00	0.00	13.97	38.34
4235	12.15	5.25	5.43	2.06	0.00	0.00	11.32	36.21	16.21	5.41	7.13	2.71	0.00	0.00	17.25	48.71
4240	12.04	5.77	6.58	1.32	0.00	0.00	11.98	37.69	15.06	5.89	8.65	1.73	0.00	0.00	16.84	48.17
4250	10.79	4.66	3.45	1.31	0.00	0.00	10.05	30.26	14.39	4.80	4.54	1.73	0.00	0.00	15.31	40.77
4255	14.56	6.29	4.44	1.69	0.00	0.00	13.56	40.54	19.41	6.48	5.84	2.22	0.00	0.00	20.66	54.61
4260	22.88	10.96	6.42	1.28	0.00	0.00	22.76	64.30	28.60	11.19	8.43	1.69	0.00	0.00	32.00	91.91
4265	35.58	17.05	10.69	2.14	0.00	0.00	35.38	100.84	44.47	17.39	14.05	2.81	0.00	0.00	49.76	129.48
4280	14.61	6.31	3.78	1.44	0.00	0.00	13.60	39.74	19.47	6.50	4.97	1.89	0.00	0.00	20.72	53.55
4285	15.30	6.61	4.77	1.81	0.00	0.00	14.25	42.74	20.40	6.81	6.27	2.38	0.00	0.00	21.71	57.57
4290	18.22	7.87	4.77	1.81	0.00	0.00	16.97	49.64	24.30	8.11	6.27	2.38	0.00	0.00	25.86	66.92
4295	21.07	10.10	8.95	1.79	0.00	0.00	20.96	62.87	26.34	10.30	11.76	2.35	0.00	0.00	29.47	80.22
4310	11.87	5.69	5.92	1.18	0.00	0.00	11.80	36.46	14.83	5.80	7.78	1.56	0.00	0.00	16.60	46.57
4315	21.39	10.25	9.54	1.91	0.00	0.00	21.27	64.36	26.74	10.46	12.54	2.51	0.00	0.00	29.92	82.17
4320	25.06	14.21	12.83	2.82	0.00	0.00	28.04	82.96	30.07	14.41	16.86	3.71	0.00	0.00	37.38	102.43
4330	6.76	2.92	2.47	0.94	0.00	0.00	6.30	19.39	9.02	3.01	3.24	1.23	0.00	0.00	9.59	26.09
4335	9.67	4.19	4.11	1.56	0.00	0.00	9.00	28.52	12.89	4.30	5.40	2.05	0.00	0.00	13.73	38.36
4340	12.52	5.41	5.10	1.94	0.00	0.00	11.65	36.62	16.69	5.57	6.70	2.55	0.00	0.00	17.76	49.27
4345	17.66	8.46	6.91	1.38	0.00	0.00	17.57	51.98	22.08	8.64	9.08	1.82	0.00	0.00	24.70	66.32
4350	19.93	9.55	8.55	1.71	0.00	0.00	19.83	59.57	24.92	9.74	11.24	2.25	0.00	0.00	27.88	76.03
4360	10.91	4.71	3.55	1.35	0.00	0.00	10.16	30.68	14.54	4.85	4.67	1.77	0.00	0.00	15.48	41.31
4365	12.43	5.95	4.70	0.94	0.00	0.00	12.36	36.38	15.53	6.07	6.18	1.24	0.00	0.00	17.38	46.40
4370	14.94	7.16	6.91	1.38	0.00	0.00	14.86	45.25	18.68	7.31	9.08	1.82	0.00	0.00	20.90	57.79
4375	21.78	10.43	7.90	1.58	0.00	0.00	21.66	63.35	27.22	10.65	10.38	2.08	0.00	0.00	30.46	80.79
4380	27.11	12.99	10.10	2.02	0.00	0.00	26.96	79.18	33.39	13.25	13.27	2.65	0.00	0.00	37.91	100.97
4385	29.05	16.48	10.92	2.40	0.00	0.00	32.50	91.35	34.36	16.70	14.36	3.16	0.00	0.00	43.34	112.42

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
4390	36.10	20.47	13.82	3.04	0.00	0.00	40.39	113.82	43.32	20.76	18.16	4.00	0.00	0.00	53.86	140.10
4395	40.21	22.80	15.27	3.36	0.00	0.00	44.99	126.63	48.25	23.12	20.06	4.41	0.00	0.00	59.98	155.82
4400	53.45	31.67	21.85	5.24	0.00	0.00	68.61	180.82	62.36	32.02	28.71	6.89	0.00	0.00	87.32	217.30
4405	62.42	36.98	27.37	6.57	0.00	0.00	80.12	213.46	72.83	37.39	35.98	8.63	0.00	0.00	101.97	256.80
4415	6.84	2.95	2.96	1.13	0.00	0.00	6.37	20.25	9.12	3.04	3.89	1.48	0.00	0.00	9.71	27.24
4420	9.12	4.37	3.45	0.69	0.00	0.00	9.07	26.70	11.40	4.46	4.54	0.91	0.00	0.00	12.75	34.06
4425	11.69	5.60	4.47	0.89	0.00	0.00	11.63	34.28	14.61	5.72	5.88	1.18	0.00	0.00	16.35	43.74
4430	14.43	6.91	5.92	1.18	0.00	0.00	14.35	42.79	18.03	7.05	7.78	1.56	0.00	0.00	20.17	54.59
4435	34.44	16.50	13.49	2.70	0.00	0.00	34.25	101.38	43.05	16.84	17.73	3.55	0.00	0.00	48.17	129.34
4445	11.73	5.62	5.00	1.00	0.00	0.00	11.67	35.02	14.66	5.74	6.57	1.31	0.00	0.00	16.41	44.69
4450	18.98	9.09	7.50	1.50	0.00	0.00	18.87	55.94	23.72	9.28	9.86	1.97	0.00	0.00	26.54	71.37
4455	23.48	11.25	10.00	2.00	0.00	0.00	23.35	70.08	29.35	11.48	13.14	2.63	0.00	0.00	32.34	89.44
4465	10.06	6.48	7.66	2.81	0.56	0.08	5.89	33.54	11.61	6.54	10.04	3.68	0.69	0.10	7.47	40.13
4470	12.19	7.86	6.69	2.41	0.76	0.11	7.14	37.16	14.07	7.94	8.58	3.09	0.95	0.14	9.06	43.83
4475	13.29	10.19	11.96	3.11	1.02	0.15	9.34	49.06	14.95	10.26	15.40	4.01	1.26	0.19	11.38	57.45
4485	1.47	0.70	0.00	0.11	0.00	0.00	1.40	3.68	1.84	0.71	0.00	0.11	0.00	0.00	1.98	4.64
4490	1.93	0.91	0.00	0.13	0.00	0.00	1.84	4.81	2.41	0.93	0.00	0.13	0.00	0.00	2.59	6.06
4495	2.87	1.36	0.00	0.17	0.00	0.00	2.74	7.14	3.58	1.38	0.00	0.17	0.00	0.00	3.85	8.98
4500	1.48	0.70	0.00	0.24	0.00	0.00	1.41	3.83	1.84	0.71	0.00	0.24	0.00	0.00	1.98	4.77
4510	1.22	0.55	0.70	0.17	0.07	0.01	2.46	5.18								
4520	0.96	0.44	0.28	0.07	0.07	0.01	1.94	3.77								
4525	1.28	0.57	0.56	0.14	0.07	0.01	2.58	5.21								
4530	1.52	0.68	0.70	0.17	0.07	0.01	3.05	6.20								
4540	2.01	1.16	1.00	0.28	0.84	0.13	2.46	7.88	2.51	1.18	1.32	0.37	1.31	0.20	3.41	10.30
4550	0.40	0.21	0.00	0.00	0.00	0.00	0.47	1.08	0.49	0.21	0.00	0.00	0.00	0.00	0.66	1.36
4555	0.49	0.26	0.00	0.00	0.00	0.00	0.58	1.33	0.61	0.26	0.00	0.00	0.00	0.00	0.81	1.68
4560	0.09	0.05	0.00	0.00	0.00	0.00	0.11	0.25	0.11	0.05	0.00	0.00	0.00	0.00	0.15	0.31
4565	0.45	0.24	0.00	0.00	0.00	0.00	0.53	1.22	0.56	0.24	0.00	0.00	0.00	0.00	0.74	1.54
4570	0.39	0.21	0.00	0.00	0.00	0.00	0.47	1.07	0.49	0.21	0.00	0.00	0.00	0.00	0.65	1.35
4575	0.48	0.25	0.00	0.00	0.00	0.00	0.57	1.30	0.59	0.26	0.00	0.00	0.00	0.00	0.79	1.64
4580	0.59	0.37	0.00	0.00	0.00	0.00	0.82	1.88	0.86	0.37	0.00	0.00	0.00	0.00	1.15	2.38
4585	0.06	0.03	0.00	0.00	0.00	0.00	0.07	0.16	0.08	0.03	0.00	0.00	0.00	0.00	0.10	0.21
4590	2.16	1.25	1.50	0.42	1.02	0.15	2.64	9.14	2.70	1.27	1.97	0.55	1.61	0.24	3.67	12.01
4600	0.47	0.25	0.00	0.00	0.00	0.00	0.56	1.28	0.59	0.25	0.00	0.00	0.00	0.00	0.78	1.62
4605	0.52	0.27	0.00	0.00	0.00	0.00	0.62	1.41	0.65	0.28	0.00	0.00	0.00	0.00	0.86	1.79
4610	0.09	0.05	0.00	0.00	0.00	0.00	0.11	0.25	0.11	0.05	0.00	0.00	0.00	0.00	0.15	0.31
4615	0.45	0.24	0.00	0.00	0.00	0.00	0.53	1.22	0.56	0.24	0.00	0.00	0.00	0.00	0.74	1.54
4620	0.44	0.24	0.00	0.00	0.00	0.00	0.53	1.21	0.56	0.24	0.00	0.00	0.00	0.00	0.74	1.54
4625	0.62	0.33	0.00	0.00	0.00	0.00	0.74	1.69	0.77	0.33	0.00	0.00	0.00	0.00	1.02	2.12
4630	0.77	0.41	0.00	0.00	0.00	0.00	0.92	2.10	0.96	0.42	0.00	0.00	0.00	0.00	1.28	2.66
4635	0.06	0.03	0.00	0.00	0.00	0.00	0.07	0.16	0.08	0.03	0.00	0.00	0.00	0.00	0.10	0.21
4640	2.45	1.44	2.00	0.56	1.36	0.20	3.01	11.02	3.06	1.47	2.63	0.74	2.13	0.32	4.18	14.53
4650	0.50	0.26	0.00	0.00	0.00	0.00	0.59	1.35	0.62	0.27	0.00	0.00	0.00	0.00	0.82	1.71
4655	0.55	0.29	0.00	0.00	0.00	0.00	0.66	1.50	0.69	0.30	0.00	0.00	0.00	0.00	0.92	1.91
4660	0.09	0.05	0.00	0.00	0.00	0.00	0.11	0.25	0.11	0.05	0.00	0.00	0.00	0.00	0.15	0.31
4665	0.45	0.24	0.00	0.00	0.00	0.00	0.53	1.22	0.56	0.24	0.00	0.00	0.00	0.00	0.74	1.54
4670	0.51	0.27	0.00	0.00	0.00	0.00	0.62	1.40	0.64	0.28	0.00	0.00	0.00	0.00	0.85	1.77
4675	0.74	0.39	0.00	0.00	0.00	0.00	0.88	2.01	0.92	0.40	0.00	0.00	0.00	0.00	1.22	2.54
4680	0.95	0.50	0.00	0.00	0.00	0.00	1.13	2.58	1.18	0.51	0.00	0.00	0.00	0.00	1.57	3.26
4685	0.06	0.03	0.00	0.00	0.00	0.00	0.07	0.16	0.08	0.03	0.00	0.00	0.00	0.00	0.10	0.21
4690	3.15	1.36	3.00	0.84	1.38	0.28	3.88	14.89	3.94	1.89	3.95	1.11	2.96	0.44	5.38	19.67
4700	0.58	0.31	0.00	0.00	0.00	0.00	0.69	1.58	0.73	0.31	0.00	0.00	0.00	0.00	0.96	2.00
4705	0.76	0.40	0.00	0.00	0.00	0.00	0.91	2.07	0.95	0.41	0.00	0.00	0.00	0.00	1.26	2.62
4710	0.09	0.05	0.00	0.00	0.00	0.00	0.11	0.25	0.11	0.05	0.00	0.00	0.00	0.00	0.15	0.31
4715	0.45	0.24	0.00	0.00	0.00	0.00	0.53	1.22	0.56	0.24	0.00	0.00	0.00	0.00	0.74	1.54

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
4720	0.67	0.35	0.00	0.00	0.00	0.00	0.79	1.81	0.83	0.36	0.00	0.00	0.00	0.00	1.10	2.29
4725	0.85	0.45	0.00	0.00	0.00	0.00	1.02	2.32	1.06	0.46	0.00	0.00	0.00	0.00	1.41	2.93
4730	1.32	0.70	0.00	0.00	0.00	0.00	1.57	3.59	1.65	0.71	0.00	0.00	0.00	0.00	2.19	4.55
4735	0.06	0.03	0.00	0.00	0.00	0.00	0.07	0.16	0.08	0.03	0.00	0.00	0.00	0.00	0.10	0.21
4740	5.86	3.28	4.57	1.28	1.45	0.22	7.11	23.77	7.33	3.34	6.02	1.68	2.23	0.33	9.37	30.80
4750	0.84	0.45	0.00	0.00	0.00	0.00	1.01	2.30	1.06	0.46	0.00	0.00	0.00	0.00	1.40	2.92
4755	0.09	0.05	0.00	0.00	0.00	0.00	0.11	0.25	0.11	0.05	0.00	0.00	0.00	0.00	0.15	0.31
4760	0.47	0.25	0.00	0.00	0.00	0.00	0.56	1.28	0.59	0.25	0.00	0.00	0.00	0.00	0.78	1.62
4765	0.78	0.42	0.00	0.00	0.00	0.00	0.94	2.14	0.98	0.42	0.00	0.00	0.00	0.00	1.30	2.70
4770	1.15	0.61	0.00	0.00	0.00	0.00	1.38	3.14	1.44	0.62	0.00	0.00	0.00	0.00	1.91	3.97
4775	1.63	0.86	0.00	0.00	0.00	0.00	1.95	4.44	2.03	0.88	0.00	0.00	0.00	0.00	2.70	5.61
4780	0.06	0.03	0.00	0.00	0.00	0.00	0.07	0.16	0.08	0.03	0.00	0.00	0.00	0.00	0.10	0.21
4785	9.83	5.74	4.46	1.25	5.39	0.81	12.06	39.54	12.28	5.85	5.87	1.64	8.54	1.28	16.74	52.20
4790	11.02	6.39	6.61	1.85	5.50	0.82	13.49	45.68	13.78	6.50	8.69	2.43	8.72	1.31	18.74	60.17
4795	11.09	6.60	6.61	1.85	7.60	1.14	13.68	48.57	13.87	6.72	8.69	2.43	12.14	1.82	19.00	64.67
4800	12.77	7.60	10.36	2.90	8.99	1.35	15.75	59.72	15.96	7.74	13.63	3.82	14.38	2.16	21.87	79.56
4805	12.39	7.10	6.61	1.85	5.39	0.81	15.12	49.27	15.49	7.23	8.69	2.43	8.54	1.28	21.01	64.67
4810	13.14	7.50	6.61	1.85	5.50	0.82	16.02	51.44	16.42	7.64	8.69	2.43	8.72	1.31	22.25	67.46
4815	14.72	8.52	10.36	2.90	7.60	1.14	18.01	63.25	18.40	8.67	13.63	3.82	12.14	1.82	25.02	83.50
4820	16.21	9.43	10.36	2.90	8.99	1.35	19.87	69.11	20.27	9.60	13.63	3.82	14.38	2.16	27.59	91.45
4830	1.02	0.54	0.00	0.00	0.00	0.00	1.22	2.78	1.28	0.55	0.00	0.00	0.00	0.00	1.70	3.53
4835	1.34	0.71	0.00	0.00	0.00	0.00	1.61	3.66	1.68	0.73	0.00	0.00	0.00	0.00	2.23	4.64
4840	1.54	0.82	0.00	0.00	0.00	0.00	1.84	4.20	1.92	0.83	0.00	0.00	0.00	0.00	2.55	5.30
4845	1.54	0.82	0.00	0.00	0.00	0.00	1.85	4.21	1.93	0.83	0.00	0.00	0.00	0.00	2.56	5.32
4855	3.26	1.54	1.50	0.57	0.00	0.00	4.87	11.74	4.08	1.58	1.98	0.75	0.00	0.00	6.33	14.72
4860	4.36	2.06	2.43	0.92	0.00	0.00	6.51	16.28	5.45	2.11	3.20	1.22	0.00	0.00	8.46	20.44
4865	5.68	2.69	3.01	1.14	0.00	0.00	8.48	21.00	7.10	2.74	3.96	1.50	0.00	0.00	11.02	26.32
4870	7.66	3.63	4.24	1.61	0.00	0.00	11.44	28.58	9.58	3.70	5.58	2.12	0.00	0.00	14.87	35.85
4875	9.11	4.31	5.40	2.05	0.00	0.00	13.59	34.46	11.38	4.40	7.11	2.70	0.00	0.00	17.67	43.26
4885	3.40	1.61	2.51	0.95	0.00	0.00	5.07	13.54	4.25	1.64	3.30	1.25	0.00	0.00	6.60	17.04
4890	6.75	3.19	3.08	1.17	0.00	0.00	10.08	24.27	8.44	3.26	4.06	1.54	0.00	0.00	13.10	30.40
4895	8.51	4.03	4.24	1.61	0.00	0.00	12.70	31.09	10.64	4.11	5.58	2.12	0.00	0.00	16.51	38.96
4900	11.12	5.26	5.78	2.20	0.00	0.00	16.59	40.95	13.90	5.37	7.61	2.89	0.00	0.00	21.57	51.34
4905	15.79	7.47	8.09	3.08	0.00	0.00	23.56	57.99	19.73	7.62	10.66	4.05	0.00	0.00	30.62	72.68
4915	3.48	1.65	2.43	0.92	0.00	0.00	5.19	13.67	4.35	1.68	3.20	1.22	0.00	0.00	6.75	17.20
4920	4.22	2.00	3.01	1.14	0.00	0.00	6.30	16.67	5.28	2.04	3.96	1.50	0.00	0.00	8.19	20.97
4925	4.93	2.33	3.35	1.27	0.00	0.00	7.36	19.24	6.16	2.38	4.42	1.68	0.00	0.00	9.57	24.21
4930	6.58	3.11	4.70	1.79	0.00	0.00	9.81	25.99	8.22	3.18	6.19	2.35	0.00	0.00	12.76	32.70
4935	8.78	4.15	5.78	2.20	0.00	0.00	13.10	34.01	10.97	4.24	7.61	2.89	0.00	0.00	17.03	42.74
4940	12.56	5.94	8.59	3.27	0.00	0.00	18.75	49.11	15.70	6.07	11.32	4.30	0.00	0.00	24.37	61.76
4950	4.08	1.93	2.51	0.95	0.00	0.00	6.09	15.56	5.10	1.97	3.30	1.25	0.00	0.00	7.91	19.53
4955	5.07	2.40	3.01	1.14	0.00	0.00	7.57	19.19	6.34	2.45	3.96	1.50	0.00	0.00	9.84	24.09
4960	7.94	3.76	5.01	1.90	0.00	0.00	11.85	30.46	9.93	3.83	6.60	2.51	0.00	0.00	15.40	38.27
4965	11.72	5.55	7.32	2.78	0.00	0.00	17.49	44.86	14.65	5.66	9.64	3.66	0.00	0.00	22.74	56.35
4975	3.08	1.46	1.62	0.62	0.00	0.00	4.60	11.38	3.86	1.49	2.13	0.81	0.00	0.00	5.98	14.27
4980	4.08	1.93	2.58	0.98	0.00	0.00	6.09	15.66	5.10	1.97	3.40	1.29	0.00	0.00	7.91	19.67
4985	5.04	2.39	3.01	1.14	0.00	0.00	7.52	19.10	6.30	2.43	3.96	1.50	0.00	0.00	9.78	23.97
4990	7.46	3.53	4.24	1.61	0.00	0.00	11.13	27.97	9.32	3.60	5.58	2.12	0.00	0.00	14.47	35.09
4995	8.61	4.07	5.01	1.90	0.00	0.00	12.85	32.44	10.76	4.16	6.60	2.51	0.00	0.00	16.71	40.74
5000	12.47	5.90	7.71	2.93	0.00	0.00	18.61	47.62	15.59	6.02	10.15	3.86	0.00	0.00	24.19	59.31
5010	3.63	1.72	2.54	0.97	0.00	0.00	5.42	14.28	4.54	1.75	3.35	1.27	0.00	0.00	7.05	17.96
5015	5.05	2.39	3.47	1.32	0.00	0.00	7.53	19.76	6.31	2.44	4.57	1.74	0.00	0.00	9.79	24.85
5020	6.50	3.08	4.24	1.61	0.00	0.00	9.70	25.13	8.13	3.14	5.58	2.12	0.00	0.00	12.61	31.58
5025	9.12	3.84	5.20	1.98	0.00	0.00	12.12	31.26	10.15	3.92	6.85	2.60	0.00	0.00	15.75	39.27
5030	11.82	5.59	7.71	2.93	0.00	0.00	17.64	45.69	14.78	5.71	10.15	3.86	0.00	0.00	22.94	57.44

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
5035	23.16	10.96	13.49	5.13	0.00	0.00	34.56	87.30	28.95	11.18	17.77	6.75	0.00	0.00	44.93	109.58
5045	0.62	0.34	1.25	0.40	0.10	0.01	0.57	3.29	0.77	0.34	1.62	0.52	0.18	0.03	0.76	4.22
5050	0.74	0.40	0.54	0.23	0.10	0.01	0.68	2.70	0.93	0.41	0.70	0.30	0.18	0.03	0.91	3.45
5055	0.85	0.46	1.79	0.57	0.08	0.01	0.77	4.53	1.06	0.46	2.33	0.75	0.16	0.02	1.04	5.82
5060	0.96	0.51	0.79	0.33	0.08	0.01	0.87	3.55	1.19	0.52	1.03	0.43	0.16	0.02	1.17	4.52
5065	1.13	0.60	1.00	0.42	0.09	0.01	1.03	4.28	1.41	0.62	1.32	0.55	0.17	0.03	1.38	5.48
5070	1.04	0.56	2.49	0.80	0.09	0.01	0.95	5.94	1.30	0.57	3.25	1.04	0.17	0.03	1.27	7.63
5075	1.20	0.64	2.65	0.85	0.09	0.01	1.09	6.53	1.50	0.65	3.45	1.10	0.17	0.03	1.46	8.36
5080	1.29	0.69	1.29	0.54	0.09	0.01	1.17	5.08	1.61	0.70	1.69	0.71	0.17	0.03	1.57	6.48
5085	1.61	0.89	1.93	0.81	0.31	0.05	1.48	7.08	2.01	0.90	2.54	1.07	0.59	0.09	1.98	9.19
5090	2.84	1.53	2.79	1.17	1.01	0.15	2.64	12.23	3.55	1.66	3.67	1.54	1.93	0.29	3.53	16.17
5100	1.82	0.98	1.32	0.56	0.20	0.03	1.67	6.58	2.28	1.00	1.74	0.73	0.38	0.06	2.23	8.42
5105	3.33	1.79	1.96	0.83	0.35	0.05	3.04	11.35	4.16	1.83	2.58	1.09	0.66	0.10	4.07	14.49
5110	4.31	2.37	2.96	1.25	0.83	0.12	3.96	15.80	5.39	2.42	3.90	1.64	1.58	0.24	5.30	20.47
5115	5.53	3.04	3.68	1.55	1.02	0.15	5.08	20.05	6.92	3.10	4.84	2.03	1.94	0.29	6.80	25.92
5120	5.75	3.25	3.93	1.65	1.70	0.25	5.32	21.85	7.19	3.31	5.17	2.17	3.24	0.49	7.13	28.70
5125	7.23	3.93	4.72	1.98	1.02	0.15	6.62	25.65	9.04	4.00	6.20	2.61	1.94	0.29	8.37	32.95
5130	9.44	5.30	6.61	2.78	2.58	0.39	8.72	35.82	11.80	5.40	8.69	3.65	4.92	0.74	11.68	46.88
5140	3.52	1.95	2.32	0.98	0.75	0.11	3.24	12.87	4.40	1.98	3.05	1.28	1.43	0.21	4.33	16.68
5145	4.99	2.73	2.86	1.20	0.83	0.12	4.58	17.31	6.24	2.78	3.76	1.58	1.58	0.24	6.13	22.31
5150	5.70	3.13	3.57	1.50	1.02	0.15	5.23	20.30	7.12	3.19	4.70	1.97	1.94	0.29	7.01	26.22
5155	9.10	5.00	5.54	2.33	1.70	0.25	8.36	32.28	11.38	5.10	7.28	3.06	3.24	0.49	11.19	41.74
5160	12.31	6.82	7.14	3.00	2.70	0.41	11.33	43.71	15.39	6.95	9.40	3.95	5.16	0.77	15.17	56.79
5165	15.43	8.49	9.64	2.89	5.65	0.85	12.47	55.42	18.52	8.62	12.69	3.81	10.78	1.62	16.03	72.07
5170	21.81	12.30	13.39	4.02	7.67	1.15	17.69	78.03	26.17	12.48	17.62	5.29	14.64	2.20	22.75	101.15
5175	43.24	25.00	24.65	7.39	19.31	2.90	35.23	157.72	51.89	25.38	32.43	9.73	36.87	5.53	45.29	207.12
5185	4.33	2.37	3.04	1.28	0.75	0.11	3.97	15.85	5.41	2.41	3.99	1.68	1.43	0.21	5.32	20.45
5190	5.08	2.78	3.93	1.65	0.83	0.12	4.66	19.05	6.35	2.83	5.17	2.17	1.58	0.24	6.24	24.58
5195	5.92	3.24	4.32	1.82	1.02	0.15	5.43	21.90	7.40	3.30	5.69	2.39	1.94	0.29	7.27	28.28
5200	8.54	4.74	5.50	2.31	1.95	0.29	7.87	31.20	10.68	4.83	7.24	3.04	3.72	0.56	10.53	40.60
5205	11.39	6.39	7.25	3.05	3.11	0.47	10.52	42.18	14.24	6.51	9.54	4.01	5.94	0.89	14.09	55.22
5210	14.51	8.02	9.97	2.99	5.65	0.85	11.73	53.72	17.42	8.14	13.11	3.93	10.78	1.62	15.09	70.09
5215	21.25	11.75	12.86	3.86	5.94	0.89	17.18	73.73	25.50	11.93	16.92	5.08	11.34	1.70	22.09	94.56
5220	38.32	22.04	21.86	6.56	14.65	2.20	31.53	137.66	46.58	22.37	28.76	8.63	27.97	4.20	40.53	179.04
5230	3.85	2.12	2.86	1.20	0.70	0.10	3.54	14.37	4.82	2.15	3.76	1.58	1.33	0.20	4.74	18.58
5235	4.94	2.69	3.93	1.65	0.70	0.10	4.52	18.53	6.17	2.74	5.17	2.17	1.33	0.20	6.06	23.84
5240	5.36	2.95	4.54	1.91	1.02	0.15	4.93	20.86	6.71	3.01	5.97	2.51	1.94	0.29	6.60	27.03
5245	7.44	4.18	5.86	2.46	2.05	0.31	6.87	29.17	9.30	4.26	7.71	3.24	3.91	0.59	9.20	38.21
5250	11.52	6.47	7.97	3.35	3.11	0.47	10.64	43.53	14.41	6.59	10.48	4.40	5.94	0.89	14.25	56.96
5255	16.21	9.17	11.97	3.59	5.94	0.89	13.16	60.93	19.45	9.31	15.74	4.72	11.34	1.70	16.92	79.18
5265	1.78	0.99	1.71	0.72	0.43	0.06	1.64	7.33	2.23	1.01	2.26	0.95	0.91	0.12	2.20	9.58
5270	2.28	1.26	2.21	0.93	0.43	0.07	2.09	9.27	2.85	1.28	2.91	1.22	0.82	0.12	2.81	12.01
5275	4.48	2.45	3.14	1.32	0.75	0.11	4.11	16.36	5.60	2.50	4.14	1.74	1.43	0.21	5.51	21.13
5280	5.36	2.95	3.82	1.61	1.02	0.15	4.92	19.83	6.70	3.00	5.03	2.11	1.94	0.29	6.59	25.66
5285	7.61	4.22	4.86	2.04	1.70	0.25	7.00	27.68	9.51	4.30	6.39	2.68	3.24	0.49	9.38	35.99
5295	3.77	2.08	2.86	1.20	0.75	0.11	3.47	14.24	4.72	2.12	3.76	1.58	1.43	0.21	4.65	18.47
5300	4.67	2.56	3.57	1.50	0.83	0.12	4.29	17.54	5.84	2.61	4.70	1.97	1.58	0.24	5.74	22.68
5305	5.41	2.98	4.29	1.80	1.02	0.15	4.97	20.62	6.76	3.03	5.64	2.37	1.94	0.29	6.65	26.68
5310	7.83	4.34	5.54	2.33	1.70	0.25	7.21	29.20	9.79	4.42	7.28	3.06	3.24	0.49	9.65	37.93
5315	10.75	6.04	6.75	2.84	2.96	0.44	9.93	39.71	13.44	6.15	8.88	3.73	5.66	0.85	13.30	52.01
5320	14.86	8.55	7.47	3.14	5.65	0.85	13.82	54.34	18.57	8.71	9.82	4.13	10.78	1.62	18.50	72.13
5325	20.90	11.57	14.82	4.45	5.94	0.89	16.90	75.47	25.07	11.74	19.50	5.85	11.34	1.70	21.73	96.93
5330	38.90	21.62	21.07	6.32	11.64	1.75	31.48	132.78	46.68	21.95	27.73	8.32	22.22	3.33	40.48	170.71
5340	1.66	0.92	1.54	0.65	0.32	0.05	1.52	6.56	2.07	0.93	2.02	0.85	0.59	0.09	2.04	8.59
5345	4.50	2.46	3.04	1.28	0.75	0.11	4.13	16.27	5.62	2.51	3.99	1.68	1.43	0.21	5.53	20.97

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
5350	5.51	2.99	3.75	1.58	0.70	0.10	5.04	19.67	6.89	3.04	4.93	2.07	1.33	0.20	6.75	25.21
5355	7.81	4.30	5.18	2.18	1.53	0.23	7.17	28.40	9.76	4.38	6.81	2.86	2.92	0.44	9.61	36.78
5360	13.21	7.36	9.29	2.79	5.65	0.85	10.69	49.84	15.85	7.47	12.22	3.67	10.78	1.62	13.75	65.36
5370	4.59	2.55	3.71	1.56	1.02	0.15	4.23	17.81	5.74	2.59	4.89	2.05	1.94	0.29	5.66	23.16
5375	6.40	3.59	5.64	2.37	1.70	0.25	5.91	25.86	8.00	3.65	7.43	3.12	3.24	0.49	7.91	33.84
5380	6.86	3.84	5.89	2.48	1.78	0.27	6.33	27.45	8.58	3.91	7.75	3.26	3.39	0.51	8.48	35.88
5385	9.27	5.23	7.75	3.26	2.70	0.41	8.57	37.19	11.59	5.33	10.20	4.28	5.16	0.77	11.48	48.81
5390	11.96	6.66	10.89	3.27	5.12	0.77	9.68	48.35	14.35	6.76	14.33	4.30	9.77	1.47	12.45	63.43
5395	18.20	10.45	13.68	4.10	7.67	1.15	14.81	70.06	21.84	10.61	18.00	5.40	14.64	2.20	19.04	91.73
5405	4.57	2.54	3.68	1.55	1.02	0.15	4.21	17.72	5.71	2.58	4.84	2.03	1.94	0.29	5.63	23.02
5410	5.29	2.91	4.04	1.70	1.02	0.15	4.86	19.97	6.61	2.97	5.31	2.23	1.94	0.29	6.51	25.86
5415	7.40	4.12	5.14	2.16	1.78	0.27	6.82	27.69	9.25	4.20	6.77	2.84	3.39	0.51	9.13	36.09
5420	10.27	5.74	7.50	3.15	2.64	0.40	9.47	39.17	12.83	5.85	9.87	4.15	5.05	0.76	12.69	51.20
5425	14.51	8.02	10.97	3.29	5.65	0.85	11.73	55.02	17.41	8.14	14.43	4.33	10.78	1.62	15.08	71.79
5430	21.19	11.72	13.86	4.16	5.94	0.89	17.13	74.89	25.43	11.90	18.24	5.47	11.34	1.70	22.03	96.11
5440	4.15	2.31	3.32	1.40	1.02	0.15	3.83	16.18	5.19	2.36	4.37	1.84	1.94	0.29	5.12	21.11
5445	5.32	2.93	9.27	2.97	1.02	0.15	4.89	26.55	6.65	2.98	12.08	3.86	1.94	0.29	6.55	34.35
5450	7.02	3.91	5.72	2.40	1.70	0.25	6.47	27.47	8.78	3.99	7.52	3.16	3.24	0.49	8.67	35.35
5455	10.34	5.84	7.25	3.05	3.11	0.47	9.56	39.52	12.92	5.95	9.54	4.01	5.94	0.89	12.81	52.06
5460	14.23	7.92	10.18	3.05	6.02	0.90	11.52	53.82	17.07	8.04	13.39	4.02	11.49	1.72	14.81	70.54
5465	18.64	10.41	14.29	4.29	5.94	0.89	15.10	69.56	22.36	10.57	18.80	5.64	11.34	1.70	19.41	89.82
5475	2.89	1.58	1.68	0.54	0.34	0.05	3.03	10.11	3.61	1.60	2.21	0.71	0.48	0.07	4.02	12.70
5480	3.41	1.84	1.96	0.63	0.27	0.04	3.56	11.71	4.27	1.87	2.58	0.83	0.38	0.06	4.73	14.72
5485	5.24	2.84	2.86	0.91	0.53	0.08	5.48	17.94	6.55	2.89	3.76	1.20	0.75	0.11	7.27	22.53
5490	6.15	3.35	3.96	1.27	0.71	0.11	6.44	21.99	7.69	3.41	5.22	1.67	0.99	0.15	8.55	27.68
5500	2.86	1.57	2.07	0.66	0.38	0.06	3.00	10.60	3.58	1.59	2.73	0.87	0.53	0.08	3.98	13.36
5505	3.42	1.87	2.21	0.71	0.42	0.06	3.58	12.27	4.27	1.90	2.91	0.93	0.60	0.09	4.76	15.46
5510	3.96	2.17	2.50	0.80	0.53	0.08	4.15	14.19	4.94	2.21	3.29	1.05	0.75	0.11	5.51	17.36
5515	4.56	2.48	2.86	0.91	0.53	0.08	4.77	16.19	5.70	2.53	3.76	1.20	0.75	0.11	6.34	20.39
5520	5.41	2.98	3.57	1.14	0.83	0.13	5.68	19.74	6.76	3.03	4.70	1.50	1.17	0.18	7.54	24.38
5530	4.30	2.04	1.50	0.57	0.00	0.00	6.42	14.83	5.38	2.08	1.98	0.75	0.00	0.00	8.35	18.54
5535	5.12	2.42	2.04	0.78	0.00	0.00	7.64	18.00	6.40	2.47	2.69	1.02	0.00	0.00	9.94	22.52
5545	4.39	2.08	2.51	0.95	0.00	0.00	6.55	16.48	5.49	2.12	3.30	1.25	0.00	0.00	8.52	20.68
5555	0.53	0.22	0.00	0.50	0.00	0.00	0.74	1.99								
5560	1.10	0.45	0.00	1.03	0.00	0.00	1.53	4.11								
5565	2.13	0.87	0.00	1.96	0.00	0.00	2.96	7.92								
5570	0.55	0.23	0.00	0.25	0.00	0.00	0.77	1.80								
5575	0.87	0.36	0.00	0.36	0.00	0.00	1.20	2.79								
5585	1.51	0.62	0.00	0.25	0.00	0.00	2.10	4.48								
5590	2.28	0.93	0.00	0.33	0.00	0.00	3.16	6.70								
5600	1.94	0.80	0.00	0.27	0.00	0.00	2.70	5.71								
5605	2.53	1.04	0.00	0.49	0.00	0.00	3.52	7.58								
5610	2.97	1.22	0.00	0.78	0.00	0.00	4.13	9.10								
5620	3.81	1.56	0.00	0.06	0.00	0.00	5.30	10.73								
5625	4.26	1.74	0.00	0.06	0.00	0.00	5.92	11.98								
5630	7.00	2.86	0.00	0.06	0.00	0.00	9.72	19.64								
5635	7.43	3.04	0.00	0.06	0.00	0.00	10.32	20.85								
5645	3.88	1.59	0.00	0.43	0.00	0.00	5.39	11.29								
5650	4.45	1.82	0.00	0.49	0.00	0.00	6.18	12.94								
5655	5.10	2.09	0.00	0.59	0.00	0.00	7.09	14.87								
5660	5.59	2.29	0.00	0.73	0.00	0.00	7.77	16.38								
5665	6.25	2.56	0.00	0.63	0.00	0.00	8.69	18.13								
5670	7.48	3.06	0.00	0.93	0.00	0.00	10.40	21.87								
5675	8.89	3.64	0.00	0.93	0.00	0.00	12.35	25.81								
5680	11.39	4.87	0.00	1.14	0.00	0.00	16.52	34.42								

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
5685	17.58	7.20	0.00	1.25	0.00	0.00	24.42	50.45								
5695	3.05	1.25	0.00	0.49	0.00	0.00	4.23	9.02								
5700	3.45	1.41	0.00	0.64	0.00	0.00	4.79	10.29								
5705	4.60	1.88	0.00	0.64	0.00	0.00	6.39	13.51								
5710	1.16	0.48	0.00	0.25	0.00	0.00	1.61	3.50								
5715	1.47	0.60	0.00	0.33	0.00	0.00	2.04	4.44								
5720	1.83	0.75	0.00	0.43	0.00	0.00	2.54	5.55								
5730	4.93	2.02	0.00	0.66	0.00	0.00	6.85	14.46								
5735	5.66	2.32	0.00	0.78	0.00	0.00	7.86	16.62								
5740	6.06	2.48	0.00	0.93	0.00	0.00	8.43	17.90								
5745	7.43	3.04	0.00	1.09	0.00	0.00	10.32	21.88								
5750	9.20	3.77	0.00	1.14	0.00	0.00	12.78	26.89								
5755	13.34	5.46	0.00	1.35	0.00	0.00	18.54	38.69								
5765	6.69	2.74	2.11	0.67	0.00	0.00	9.29	21.50								
5770	12.56	5.14	5.57	1.78	0.00	0.00	17.45	42.50								
5775	18.46	7.56	10.54	3.37	0.00	0.00	25.65	65.58								
5780	19.88	8.14	19.65	6.29	0.00	0.00	27.62	81.58								
5785	25.24	10.34	23.22	7.43	0.00	0.00	35.07	101.30								
5795	7.59	4.69	2.07	0.83	0.00	0.00	7.25	22.43	9.10	4.75	2.66	1.07	0.00	0.00	9.86	27.44
5800	12.26	7.58	3.95	1.58	0.00	0.00	11.71	37.08	14.71	7.67	5.08	2.03	0.00	0.00	15.93	45.42
5805	17.03	10.53	3.95	1.58	0.00	0.00	16.27	49.36	20.44	10.66	5.08	2.03	0.00	0.00	22.13	60.34
5810	17.57	10.86	5.92	2.37	0.00	0.00	16.79	53.51	21.09	11.00	7.61	3.05	0.00	0.00	22.83	65.58
5815	24.54	15.17	8.09	3.24	0.00	0.00	23.45	74.49	29.45	15.36	10.41	4.16	0.00	0.00	31.39	91.27
5825	1.32	0.47	0.00	0.15	0.00	0.00	1.38	3.32								
5830	0.49	0.17	0.00	0.10	0.00	0.00	0.51	1.27								
5835	1.94	0.69	0.00	0.31	0.00	0.00	2.04	4.98								
5840	0.84	0.30	0.00	0.05	0.00	0.00	0.88	2.07								
5850	0.50	0.26	1.07	0.34	0.00	0.00	0.53	2.70								
5855	0.63	0.33	1.61	0.52	0.00	0.00	0.67	3.76								
5865	0.03	0.02	0.21	0.07	0.00	0.00	0.04	0.37								
5870	0.04	0.02	0.32	0.10	0.00	0.00	0.05	0.53								
5875	0.08	0.04	0.86	0.27	0.00	0.00	0.09	1.34								
5885	0.66	0.35	4.62	1.48	0.00	0.00	0.70	7.81								
5890	0.38	0.20	1.49	0.57	0.00	0.00	0.40	3.04								
5895	0.88	0.46	8.48	2.71	0.00	0.00	0.93	13.46								
5900	1.26	0.67	2.99	1.14	0.00	0.00	1.34	7.40								
5905	1.62	0.86	3.49	1.33	0.00	0.00	1.73	9.03								
5910	1.72	0.91	3.39	1.29	0.00	0.00	1.83	9.14								
5920	0.07	0.04	0.54	0.17	0.00	0.00	0.08	0.90								
5925	0.10	0.05	0.86	0.27	0.00	0.00	0.10	1.38								
5930	0.20	0.11	1.72	0.55	0.00	0.00	0.21	2.79								
5940	0.09	0.05	0.32	0.10	0.00	0.00	0.10	0.66								
5945	0.10	0.05	0.32	0.10	0.00	0.00	0.11	0.68								
5955	0.12	0.06	0.12	0.05	0.00	0.00	0.06	0.41								
5960	0.17	0.09	0.30	0.14	0.00	0.00	0.09	0.79								
5965	0.62	0.33	1.51	0.68	0.00	0.00	0.33	3.47								
5970	0.80	0.43	3.62	1.63	0.00	0.00	0.43	6.91								
5980	0.10	0.05	0.12	0.05	0.00	0.00	0.05	0.37								
5985	0.12	0.06	0.24	0.11	0.00	0.00	0.07	0.60								
5995	2.45	0.95	0.00	0.10	0.00	0.00	2.34	5.84	3.27	0.98	0.00	0.10	0.00	0.00	3.51	7.86
6000	0.19	0.07	0.00	0.00	0.00	0.00	0.18	0.44	0.26	0.08	0.00	0.00	0.00	0.00	0.27	0.61
6005	1.84	0.71	0.00	0.08	0.00	0.00	1.75	4.38	2.45	0.73	0.00	0.08	0.00	0.00	2.63	5.39
6010	0.08	0.03	0.00	0.00	0.00	0.00	0.08	0.19	0.11	0.03	0.00	0.00	0.00	0.00	0.12	0.26
6015	2.10	0.81	0.00	0.10	0.00	0.00	2.01	5.02	2.80	0.84	0.00	0.10	0.00	0.00	3.01	6.75
6020	0.19	0.07	0.00	0.00	0.00	0.00	0.18	0.44	0.25	0.08	0.00	0.00	0.00	0.00	0.27	0.60

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
6025	1.52	0.59	0.00	0.08	0.00	0.00	1.46	3.65	2.03	0.61	0.00	0.08	0.00	0.00	2.18	4.90
6030	0.12	0.05	0.00	0.00	0.00	0.00	0.12	0.29	0.16	0.05	0.00	0.00	0.00	0.00	0.17	0.38
6035	0.89	0.35	0.00	0.08	0.00	0.00	0.85	2.17	1.19	0.36	0.00	0.08	0.00	0.00	1.28	2.91
6040	0.05	0.02	0.00	0.00	0.00	0.00	0.05	0.12	0.06	0.02	0.00	0.00	0.00	0.00	0.07	0.15
6045	2.35	0.91	0.00	0.08	0.00	0.00	2.24	5.58	3.13	0.94	0.00	0.08	0.00	0.00	3.36	7.51
6050	0.19	0.07	0.00	0.00	0.00	0.00	0.18	0.44	0.25	0.08	0.00	0.00	0.00	0.00	0.27	0.60
6055	2.09	0.81	0.00	0.08	0.00	0.00	1.99	4.97	2.78	0.83	0.00	0.08	0.00	0.00	2.99	6.68
6060	0.26	0.10	0.00	0.00	0.00	0.00	0.25	0.61	0.34	0.10	0.00	0.00	0.00	0.00	0.37	0.81
6065	0.74	0.35	0.00	0.08	0.00	0.00	0.70	1.87	0.92	0.36	0.00	0.08	0.00	0.00	0.99	2.35
6075	5.13	1.98	0.00	0.22	0.00	0.00	4.90	12.23	6.84	2.05	0.00	0.22	0.00	0.00	7.35	16.46
6080	0.37	0.14	0.00	0.00	0.00	0.00	0.36	0.87	0.50	0.15	0.00	0.00	0.00	0.00	0.54	1.19
6085	5.47	2.11	0.00	0.21	0.00	0.00	5.22	13.01	7.29	2.18	0.00	0.21	0.00	0.00	7.84	17.52
6090	4.36	1.68	0.00	0.16	0.00	0.00	4.16	10.36	5.81	1.74	0.00	0.16	0.00	0.00	6.24	13.95
6095	0.34	0.13	0.00	0.00	0.00	0.00	0.32	0.79	0.45	0.13	0.00	0.00	0.00	0.00	0.48	1.06
6100	4.05	1.57	0.00	0.16	0.00	0.00	3.87	9.65	5.40	1.62	0.00	0.16	0.00	0.00	5.81	12.99
6105	2.94	1.14	0.00	0.10	0.00	0.00	2.81	6.99	3.92	1.17	0.00	0.10	0.00	0.00	4.21	9.40
6110	0.19	0.07	0.00	0.00	0.00	0.00	0.18	0.44	0.25	0.08	0.00	0.00	0.00	0.00	0.27	0.60
6115	2.86	1.10	0.00	0.10	0.00	0.00	2.73	6.79	3.81	1.14	0.00	0.10	0.00	0.00	4.09	9.14
6120	1.64	0.63	0.00	0.08	0.00	0.00	1.57	3.92	2.19	0.66	0.00	0.08	0.00	0.00	2.35	5.28
6125	0.10	0.04	0.00	0.00	0.00	0.00	0.09	0.23	0.13	0.04	0.00	0.00	0.00	0.00	0.14	0.31
6130	1.03	0.40	0.00	0.08	0.00	0.00	0.98	2.49	1.37	0.41	0.00	0.08	0.00	0.00	1.47	3.33
6135	0.05	0.02	0.00	0.00	0.00	0.00	0.05	0.12	0.07	0.02	0.00	0.00	0.00	0.00	0.07	0.16
6140	0.63	0.25	0.00	0.08	0.00	0.00	0.61	1.57	0.85	0.25	0.00	0.08	0.00	0.00	0.91	2.09
6145	0.03	0.01	0.00	0.00	0.00	0.00	0.03	0.07	0.04	0.01	0.00	0.00	0.00	0.00	0.04	0.09
6150	0.27	0.10	0.00	0.08	0.00	0.00	0.26	0.71	0.36	0.11	0.00	0.08	0.00	0.00	0.39	0.94
6155	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
6165	5.53	2.14	0.00	0.28	0.00	0.00	5.28	13.23	7.38	2.21	0.00	0.28	0.00	0.00	7.92	17.79
6170	4.35	1.68	0.00	0.20	0.00	0.00	4.16	10.39	5.80	1.74	0.00	0.20	0.00	0.00	6.23	13.97
6175	3.30	1.27	0.00	0.10	0.00	0.00	3.15	7.82	4.40	1.32	0.00	0.10	0.00	0.00	4.72	10.54
6180	2.05	0.79	0.00	0.09	0.00	0.00	1.95	4.88	2.73	0.82	0.00	0.09	0.00	0.00	2.93	6.57
6190	3.01	1.50	3.04	0.73	0.18	0.03	3.14	11.63								
6195	3.33	1.65	3.04	0.73	0.18	0.03	3.47	12.43								
6200	3.87	1.92	3.04	0.73	0.22	0.03	4.03	13.84								
6205	6.07	3.08	4.46	1.07	0.68	0.10	6.36	21.82								
6215	2.63	1.31	2.71	0.65	0.18	0.03	2.74	10.25								
6220	2.83	1.41	2.71	0.65	0.18	0.03	2.95	10.76								
6225	2.89	1.44	2.79	0.67	0.18	0.03	3.02	11.02								
6230	2.77	1.39	8.33	2.00	0.22	0.03	2.90	17.64								
6235	3.10	1.55	2.71	0.65	0.22	0.03	3.24	11.50								
6240	2.89	1.45	8.33	2.00	0.26	0.04	3.02	17.99								
6245	3.21	1.61	2.71	0.65	0.26	0.04	3.36	11.84								
6250	6.90	3.53	4.18	1.00	0.90	0.13	7.24	23.88								
6260	2.87	1.43	2.43	0.58	0.18	0.03	3.00	10.52								
6265	3.56	1.77	2.43	0.58	0.22	0.03	3.72	12.31								
6270	7.19	3.66	4.64	1.11	0.82	0.12	7.54	25.08								
6275	8.24	4.41	4.64	1.11	2.08	0.31	8.74	29.53								
6285	3.62	2.42	0.00	0.20	1.92	0.29	4.06	12.51								
6290	5.12	2.86	0.00	0.22	1.50	0.22	5.48	15.40								
6300	4.73	2.93	0.00	0.37	1.82	0.27	5.20	15.32								
6305	4.98	3.28	0.00	0.42	2.49	0.37	5.56	17.10								
6310	7.48	4.49	0.00	0.63	2.49	0.37	8.16	23.62								
6320	0.64	0.36	0.00	0.05	0.21	0.03	0.69	1.98								
6330	1.05	0.51	0.00	0.14	0.00	0.00	1.09	2.79								
6335	1.33	0.65	0.00	0.14	0.00	0.00	1.39	3.51								
6340	1.37	0.67	0.00	0.14	0.00	0.00	1.43	3.61								

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
6345	2.06	1.00	0.00	0.14	0.00	0.00	2.13	5.33								
6350	3.15	1.53	0.00	0.14	0.00	0.00	3.27	8.09								
6355	4.78	2.32	0.00	0.14	0.00	0.00	4.96	12.20								
6360	3.11	1.51	0.00	0.15	0.00	0.00	3.23	8.00								
6365	3.63	1.76	0.00	0.14	0.00	0.00	3.77	9.30								
6370	5.62	2.73	0.00	0.14	0.00	0.00	5.84	14.33								
6380	0.46	0.23	0.00	0.15	0.00	0.00	0.48	1.32								
6385	0.94	0.46	0.00	0.15	0.00	0.00	0.97	2.52								
6395	12.45	6.05	7.50	1.80	0.00	0.00	12.92	40.72								
6400	18.76	9.11	11.07	2.66	0.00	0.00	19.48	61.08								
6405	19.81	9.62	11.07	2.66	0.00	0.00	20.57	63.73								
6415	19.98	9.70	11.79	2.83	0.00	0.00	20.74	65.04								
6425	2.07	1.01	1.86	0.45	0.00	0.00	2.15	7.54								
6430	2.47	1.20	1.86	0.45	0.00	0.00	2.57	8.55								
6435	3.78	1.84	3.04	0.73	0.00	0.00	3.92	13.31								
6440	3.94	1.92	3.04	0.73	0.00	0.00	4.09	13.72								
6445	4.12	2.00	3.04	0.73	0.00	0.00	4.28	14.17								
6450	4.29	2.08	3.04	0.73	0.00	0.00	4.45	14.59								
6460	4.12	2.00	8.33	2.00	0.00	0.00	4.28	20.73								
6465	4.43	2.15	3.04	0.73	0.00	0.00	4.60	14.95								
6470	4.37	2.12	8.33	2.00	0.00	0.00	4.54	21.36								
6475	4.67	2.27	3.04	0.73	0.00	0.00	4.85	15.56								
6480	2.03	0.98	4.21	1.01	0.00	0.00	2.10	10.33								
6485	2.75	1.33	8.33	2.00	0.00	0.00	2.85	17.26								
6490	3.05	1.48	3.04	0.73	0.00	0.00	3.17	11.47								
6495	3.33	1.62	8.33	2.00	0.00	0.00	3.46	18.74								
6500	3.63	1.76	3.04	0.73	0.00	0.00	3.77	12.93								
6505	3.59	1.74	8.33	2.00	0.00	0.00	3.73	19.39								
6510	3.89	1.89	3.04	0.73	0.00	0.00	4.04	13.59								
6520	1.27	0.51	1.93	0.62	0.00	0.00	1.65	5.98								
6525	1.56	0.62	1.93	0.62	0.00	0.00	2.03	6.76								
6530	3.29	1.30	2.14	0.69	0.00	0.00	4.27	11.69								
6535	3.61	1.43	2.14	0.69	0.00	0.00	4.68	12.55								
6540	5.03	1.99	4.73	1.51	0.00	0.00	6.53	19.79								
6545	5.31	2.10	4.73	1.51	0.00	0.00	6.89	20.54								
6555	3.55	1.41	2.44	0.78	0.00	0.00	4.60	12.78								
6560	3.86	1.53	2.44	0.78	0.00	0.00	5.00	13.61								
6565	6.20	2.46	3.84	1.23	0.00	0.00	8.04	21.77								
6570	6.76	2.68	3.84	1.23	0.00	0.00	8.77	23.28								
6580	2.41	0.96	1.94	0.62	0.00	0.00	3.13	9.06								
6585	2.95	1.17	1.94	0.62	0.00	0.00	3.83	10.51								
6595	1.84	0.73	1.49	0.48	0.00	0.00	2.39	6.93								
6600	1.67	0.66	1.49	0.48	0.00	0.00	2.16	6.46								
6610	7.72	3.06	3.74	1.20	0.00	0.00	10.01	25.73								
6615	5.89	2.33	2.49	0.80	0.00	0.00	7.64	19.15								
6630	5.72	2.30	3.64	1.16	0.19	0.03	7.44	20.48								
6635	6.41	2.66	4.23	1.36	0.65	0.10	8.39	23.80								
6640	7.59	3.04	4.23	1.36	0.18	0.03	9.87	26.30								
6645	9.34	3.40	6.23	1.99	0.55	0.08	10.89	31.48								
6650	7.78	3.17	6.23	1.99	0.48	0.07	10.16	29.88								
6655	8.39	3.41	6.23	1.99	0.48	0.07	10.95	31.52								
6660	9.73	3.94	6.23	1.99	0.48	0.07	12.68	35.12								
6665	8.66	3.52	6.23	1.99	0.48	0.07	11.30	32.25								
6670	9.40	3.81	6.23	1.99	0.48	0.07	12.26	34.24								
6680	8.34	3.31	6.23	1.99	0.00	0.00	10.82	30.69								

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
6685	6.66	2.73	4.23	1.36	0.48	0.07	8.70	24.23								
6690	7.09	2.89	5.98	1.91	0.48	0.07	9.25	27.67								
6695	8.08	3.29	5.98	1.91	0.48	0.07	10.54	30.35								
6705	8.63	3.51	5.73	1.83	0.48	0.07	11.26	31.51								
6710	12.68	5.20	10.11	3.24	0.98	0.15	16.58	48.94								
6720	5.35	2.14	3.49	1.12	0.10	0.01	6.95	19.16								
6725	5.28	2.13	3.49	1.12	0.20	0.03	6.88	19.13								
6730	7.11	2.84	3.99	1.28	0.14	0.02	9.24	24.62								
6735	6.11	2.46	3.99	1.28	0.20	0.03	7.95	22.02								
6740	5.78	2.41	3.49	1.12	0.65	0.10	7.59	21.14								
6745	7.92	3.22	4.38	1.40	0.42	0.06	10.34	27.74								
6750	9.18	3.72	5.93	1.90	0.44	0.07	11.97	33.21								
6755	7.28	2.97	6.23	1.99	0.48	0.07	9.50	28.52								
6760	10.79	4.38	5.93	1.90	0.55	0.08	14.08	37.71								
6765	9.35	3.81	5.93	1.90	0.55	0.08	12.21	33.83								
6770	7.89	3.25	6.23	1.99	0.72	0.11	10.32	30.51								
6780	5.96	2.48	3.39	1.08	0.65	0.10	7.81	21.47								
6785	5.43	2.19	3.39	1.08	0.18	0.03	7.07	19.37								
6790	6.38	2.56	3.99	1.28	0.18	0.03	8.31	22.73								
6795	6.80	2.81	3.74	1.20	0.65	0.10	8.90	24.20								
6800	6.98	2.80	3.99	1.28	0.18	0.03	9.08	24.34								
6805	9.05	3.67	5.48	1.75	0.48	0.07	11.81	32.31								
6810	7.48	3.05	5.33	1.71	0.48	0.07	9.77	27.89								
6815	8.11	3.30	5.33	1.71	0.48	0.07	10.58	29.58								
6820	10.41	4.21	5.48	1.75	0.48	0.07	13.57	35.97								
6830	1.09	0.43	0.80	0.26	0.00	0.00	1.42	4.00								
6835	2.89	1.15	1.69	0.54	0.00	0.00	3.75	10.02								
6840	5.82	2.70	3.54	1.13	0.00	0.00	8.85	23.04								
6845	9.15	3.63	6.23	1.99	0.00	0.00	11.87	32.87								
6850	11.07	4.39	7.72	2.47	0.00	0.00	14.37	40.02								
6855	13.38	5.31	9.02	2.89	0.00	0.00	17.37	47.97								
6860	15.51	6.15	9.02	2.89	0.00	0.00	20.13	53.70								
6870	1.05	0.42	0.80	0.26	0.00	0.00	1.36	3.89								
6875	2.41	0.96	1.74	0.56	0.00	0.00	3.13	8.80								
6880	6.26	2.48	3.49	1.12	0.00	0.00	8.12	21.47								
6885	8.34	3.31	5.73	1.83	0.00	0.00	10.82	30.03								
6890	11.13	4.41	5.93	1.90	0.00	0.00	14.44	37.81								
6900	1.08	0.43	1.50	0.48	0.00	0.00	1.40	4.89								
6905	5.59	2.22	2.59	0.83	0.00	0.00	7.26	18.49								
6910	8.32	3.30	3.99	1.28	0.00	0.00	10.80	27.69								
6915	10.56	4.19	7.77	2.49	0.00	0.00	13.70	38.71								
6920	18.80	7.45	13.05	4.18	0.00	0.00	24.40	67.88								
6930	9.16	4.76	5.50	2.20	2.77	0.42	8.78	33.59	11.45	4.85	7.19	2.88	4.61	0.69	11.71	43.38
6935	16.03	7.64	9.16	2.93	5.77	0.87	12.46	54.86	20.03	7.82	11.98	3.84	9.59	1.44	16.78	71.48
6940	20.50	9.69	10.86	3.47	6.62	0.99	14.70	66.83	25.63	9.91	14.27	4.57	11.00	1.65	19.90	86.93
6945	22.84	10.78	12.10	3.87	7.28	1.09	17.73	75.69	28.55	11.02	15.82	5.06	12.10	1.81	23.37	98.23
6950	23.79	11.12	15.65	4.07	8.78	1.32	18.44	83.17	29.73	11.37	20.30	5.28	15.25	2.29	24.82	109.04
6955	25.36	11.81	15.65	4.07	8.78	1.32	19.64	86.63	31.70	12.07	20.30	5.28	15.25	2.29	35.44	113.33
6960	31.50	14.85	14.80	4.74	9.85	1.48	22.57	99.79	39.37	15.18	19.46	6.23	16.36	2.45	30.56	129.51
6965	36.25	16.92	16.50	5.28	9.85	1.48	28.09	114.37	45.32	17.30	21.57	6.90	16.36	2.45	37.81	147.71
6970	39.29	18.24	24.35	6.33	13.06	1.96	30.42	133.65	49.11	18.65	31.58	8.21	22.69	3.40	40.94	174.58
6975	41.10	19.03	24.35	6.33	13.06	1.96	31.81	137.64	51.38	19.46	31.58	8.21	22.69	3.40	42.82	179.54
6980	44.90	20.96	24.35	6.33	16.21	2.43	34.79	149.97	56.13	21.43	31.58	8.21	28.16	4.22	46.34	196.57
6985	41.08	19.43	18.09	5.79	13.36	2.00	29.45	129.20	51.35	19.86	23.73	7.61	22.19	3.33	39.38	168.00
6990	50.91	23.71	33.04	8.59	17.72	2.66	39.43	176.06	63.64	24.24	42.86	11.14	30.78	4.62	53.08	230.36

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
7005	13.97	5.57	8.40	2.69	4.27	0.64	10.84	47.38	17.46	6.72	10.98	3.51	7.09	1.06	14.59	51.41
7010	18.30	8.68	10.69	3.42	6.15	0.92	13.12	61.28	22.88	8.87	14.05	4.50	10.21	1.53	17.77	79.81
7015	20.92	9.77	11.91	3.81	5.76	0.86	16.21	69.24	26.15	9.99	15.58	4.99	9.56	1.43	21.32	89.52
7020	22.61	10.51	17.25	4.49	7.64	1.15	17.50	81.15	28.26	10.74	22.38	5.82	13.27	1.99	23.56	106.02
7025	27.19	12.56	17.25	4.49	8.22	1.23	21.03	91.97	33.99	12.84	22.38	5.82	14.28	2.14	28.31	119.76
7035	9.57	4.91	4.58	1.33	2.41	0.36	9.14	32.80	11.96	5.01	5.99	2.40	4.01	0.60	12.19	42.16
7040	19.60	9.30	10.73	3.43	6.62	0.99	14.06	64.73	24.50	9.51	14.10	4.51	11.00	1.65	19.04	84.31
7045	23.33	10.92	17.77	4.62	8.78	1.32	18.08	84.82	29.16	11.16	23.06	5.99	15.25	2.29	24.34	111.25
7050	22.12	10.39	11.95	3.82	6.62	0.99	17.16	73.05	27.65	10.63	15.63	5.00	11.00	1.65	23.10	94.66
7060	9.81	5.02	6.42	2.57	2.41	0.36	9.37	35.96	12.26	5.12	8.39	3.36	4.01	0.60	12.49	46.23
7065	14.05	6.61	9.16	2.93	4.27	0.64	10.90	48.56	17.56	6.76	11.98	3.84	7.09	1.06	14.67	62.96
7075	20.10	9.52	11.36	3.64	6.62	0.99	15.61	67.84	25.13	9.73	14.86	4.76	11.00	1.65	21.02	88.15
7080	31.75	15.14	15.63	5.00	11.35	1.70	22.79	103.36	39.69	15.47	20.54	6.57	18.85	2.83	30.86	134.31
7085	20.82	9.73	10.02	2.60	7.66	1.15	16.14	68.12	26.03	9.95	12.99	3.38	13.30	2.00	21.72	89.37
7090	35.31	16.48	21.53	5.60	12.69	1.90	27.36	120.87	44.14	16.85	27.93	7.26	22.05	3.31	36.33	158.37
7095	41.55	19.40	24.94	6.48	15.05	2.26	32.19	141.87	51.93	19.83	32.35	8.41	26.14	3.92	43.34	185.92
7110	4.37	2.79	0.00	0.13	1.52	0.23	3.94	12.98	5.25	2.83	0.00	0.13	1.98	0.30	5.07	15.56
7115	5.55	3.70	0.00	0.13	2.72	0.41	5.06	17.57	6.66	3.75	0.00	0.13	3.56	0.53	6.50	21.13
7125	2.16	1.42	0.00	0.08	0.93	0.14	1.96	6.69	2.59	1.44	0.00	0.08	1.22	0.18	2.52	8.03
7135	7.35	3.62	5.57	1.56	0.81	0.12	6.96	25.99	9.19	3.69	7.29	2.04	1.38	0.21	9.86	33.66
7140	11.80	5.88	11.14	3.12	1.99	0.30	11.21	45.44	14.75	6.00	14.57	4.08	3.42	0.51	15.88	59.21
7150	10.99	5.34	12.28	3.44	0.45	0.07	10.38	42.95	13.73	5.45	16.06	4.50	0.74	0.11	14.70	55.29
7160	2.82	1.47	2.51	0.90	0.00	0.00	3.95	11.65	3.52	1.50	3.30	1.19	0.00	0.00	5.38	14.89
7165	0.71	0.34	0.00	0.08	0.00	0.00	0.68	1.81	0.89	0.34	0.00	0.08	0.00	0.00	0.96	2.27
7170	4.11	2.14	3.08	1.11	0.00	0.00	5.75	16.19	5.13	2.18	4.06	1.46	0.00	0.00	7.85	20.68
7175	0.85	0.40	0.00	0.08	0.00	0.00	0.81	2.14	1.06	0.41	0.00	0.08	0.00	0.00	1.14	2.69
7180	0.67	0.32	0.00	0.08	0.00	0.00	0.64	1.71	0.83	0.32	0.00	0.08	0.00	0.00	0.89	2.12
7185	6.40	3.34	4.05	1.46	0.00	0.00	8.96	24.21	7.99	3.40	5.33	1.92	0.00	0.00	12.22	30.86
7190	1.12	0.53	0.00	0.08	0.00	0.00	1.07	2.80	1.41	0.54	0.00	0.08	0.00	0.00	1.51	3.54
7195	0.89	0.42	0.00	0.08	0.00	0.00	0.85	2.24	1.11	0.43	0.00	0.08	0.00	0.00	1.20	2.82
7200	1.25	0.59	0.00	0.08	0.00	0.00	1.19	3.11	1.56	0.60	0.00	0.08	0.00	0.00	1.68	3.92
7205	8.95	4.67	5.40	1.94	0.00	0.00	12.55	33.51	11.19	4.76	7.11	2.56	0.00	0.00	17.11	42.73
7210	1.18	0.56	0.00	0.08	0.00	0.00	1.12	2.94	1.47	0.57	0.00	0.08	0.00	0.00	1.58	3.70
7215	1.32	0.62	0.00	0.08	0.00	0.00	1.26	3.28	1.65	0.64	0.00	0.08	0.00	0.00	1.77	4.14
7220	1.36	0.64	0.00	0.08	0.00	0.00	1.30	3.38	1.70	0.66	0.00	0.08	0.00	0.00	1.83	4.27
7225	12.58	6.56	7.71	2.77	0.00	0.00	17.62	47.24	15.72	6.68	10.15	3.65	0.00	0.00	24.03	60.23
7230	1.74	0.83	0.00	0.08	0.00	0.00	1.67	4.32	2.18	0.84	0.00	0.08	0.00	0.00	2.34	5.44
7235	1.91	0.90	0.00	0.08	0.00	0.00	1.82	4.71	2.39	0.92	0.00	0.08	0.00	0.00	2.57	5.96
7240	1.52	0.72	0.00	0.08	0.00	0.00	1.45	3.77	1.90	0.73	0.00	0.08	0.00	0.00	2.04	4.75
7245	1.58	0.75	0.00	0.10	0.00	0.00	1.51	3.94	1.97	0.76	0.00	0.10	0.00	0.00	2.12	4.95
7250	20.68	9.78	12.91	3.62	0.00	0.00	22.22	69.21	25.85	9.99	17.00	4.76	0.00	0.00	30.86	88.46
7255	2.56	1.21	0.00	0.12	0.00	0.00	2.44	6.33	3.20	1.24	0.00	0.12	0.00	0.00	3.44	3.00
7260	2.82	1.33	0.00	0.13	0.00	0.00	2.69	6.97	3.52	1.36	0.00	0.13	0.00	0.00	3.78	8.79
7265	2.53	1.20	0.00	0.13	0.00	0.00	2.42	6.28	3.17	1.22	0.00	0.13	0.00	0.00	3.40	7.92
7270	0.07	0.03	0.00	0.05	0.00	0.00	0.07	0.22	0.09	0.04	0.00	0.05	0.00	0.00	0.10	0.28
7275	2.04	0.96	0.00	0.15	0.00	0.00	1.95	5.10	2.55	0.98	0.00	0.15	0.00	0.00	2.74	6.42
7280	24.42	12.42	17.73	4.25	0.00	0.00	24.68	83.50	29.30	12.61	23.35	5.60	0.00	0.00	32.91	103.77
7285	3.49	1.65	0.00	0.18	0.00	0.00	3.33	8.65	4.36	1.69	0.00	0.18	0.00	0.00	4.69	10.92
7290	3.69	1.74	0.00	0.19	0.00	0.00	3.52	9.14	4.61	1.78	0.00	0.19	0.00	0.00	4.95	11.53
7295	3.07	1.45	0.00	0.16	0.00	0.00	2.94	7.62	3.84	1.48	0.00	0.16	0.00	0.00	4.13	9.61
7300	0.91	0.43	0.00	0.12	0.00	0.00	0.87	2.33	1.14	0.44	0.00	0.12	0.00	0.00	1.22	2.92
7305	0.10	0.05	0.00	0.08	0.00	0.00	0.09	0.32	0.12	0.05	0.00	0.08	0.00	0.00	0.13	0.38
7310	2.21	1.05	0.00	0.20	0.00	0.00	2.11	5.57	2.76	1.07	0.00	0.20	0.00	0.00	2.97	7.00
7315	41.04	20.88	26.98	6.47	0.00	0.00	41.49	136.86	49.25	21.20	35.53	8.53	0.00	0.00	55.32	169.83
7320	5.31	2.51	0.00	0.28	0.00	0.00	5.07	13.17	6.64	2.56	0.00	0.28	0.00	0.00	7.13	16.61

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
7325	5.84	2.76	0.00	0.29	0.00	0.00	5.58	14.47	7.30	2.82	0.00	0.29	0.00	0.00	7.84	18.25
7330	0.11	0.05	0.00	0.08	0.00	0.00	0.11	0.35	0.14	0.05	0.00	0.08	0.00	0.00	0.15	0.42
7335	3.93	1.86	0.00	0.20	0.00	0.00	3.75	9.74	4.91	1.90	0.00	0.20	0.00	0.00	5.28	12.29
7345	3.48	1.82	2.43	0.87	0.00	0.00	4.88	13.48	4.35	1.85	3.20	1.15	0.00	0.00	6.65	17.20
7350	4.09	2.14	3.01	1.08	0.00	0.00	5.74	16.06	5.12	2.18	3.96	1.43	0.00	0.00	7.82	20.51
7355	4.35	2.27	3.39	1.22	0.00	0.00	6.10	17.33	5.44	2.31	4.47	1.61	0.00	0.00	8.32	22.15
7360	0.72	0.34	0.00	0.08	0.00	0.00	0.69	1.83	0.90	0.35	0.00	0.08	0.00	0.00	0.97	2.30
7365	0.72	0.34	0.00	0.05	0.00	0.00	0.69	1.80	0.90	0.35	0.00	0.05	0.00	0.00	0.97	2.27
7370	6.05	3.16	4.70	1.69	0.00	0.00	8.48	24.08	7.56	3.22	6.19	2.23	0.00	0.00	11.56	30.76
7375	0.80	0.38	0.00	0.08	0.00	0.00	0.77	2.03	1.00	0.39	0.00	0.08	0.00	0.00	1.08	2.55
7380	0.98	0.47	0.00	0.05	0.00	0.00	0.94	2.44	1.23	0.47	0.00	0.05	0.00	0.00	1.32	3.07
7385	7.90	4.12	5.78	2.08	0.00	0.00	11.06	30.94	9.87	4.20	7.61	2.74	0.00	0.00	15.09	39.51
7390	1.23	0.58	0.00	0.08	0.00	0.00	1.17	3.06	1.54	0.59	0.00	0.08	0.00	0.00	1.65	3.86
7395	1.23	0.58	0.00	0.05	0.00	0.00	1.17	3.03	1.54	0.59	0.00	0.05	0.00	0.00	1.65	3.83
7400	11.96	6.24	8.59	3.09	0.00	0.00	16.76	46.64	14.95	6.35	11.32	4.08	0.00	0.00	22.85	59.55
7405	1.31	0.62	0.00	0.08	0.00	0.00	1.25	3.26	1.64	0.63	0.00	0.08	0.00	0.00	1.76	4.11
7410	1.37	0.65	0.00	0.08	0.00	0.00	1.31	3.41	1.72	0.66	0.00	0.08	0.00	0.00	1.85	4.31
7415	1.87	0.88	0.00	0.05	0.00	0.00	1.78	4.58	2.33	0.90	0.00	0.05	0.00	0.00	2.51	5.79
7420	19.67	9.31	11.56	3.24	0.00	0.00	21.14	64.92	24.59	9.50	15.23	4.26	0.00	0.00	29.35	82.93
7425	2.60	1.23	0.00	0.12	0.00	0.00	2.48	6.43	3.25	1.25	0.00	0.12	0.00	0.00	3.49	8.11
7430	2.64	1.25	0.00	0.10	0.00	0.00	2.52	6.51	3.30	1.27	0.00	0.10	0.00	0.00	3.54	8.21
7435	25.10	12.76	17.54	4.21	0.00	0.00	25.37	84.98	30.12	12.96	23.10	5.54	0.00	0.00	33.83	105.55
7440	3.92	1.86	0.00	0.22	0.00	0.00	3.75	9.75	4.91	1.90	0.00	0.22	0.00	0.00	5.27	12.30
7445	4.02	1.90	0.00	0.25	0.00	0.00	3.84	10.01	5.03	1.94	0.00	0.25	0.00	0.00	5.41	12.63
7450	2.51	1.19	0.00	0.12	0.00	0.00	2.40	6.22	3.14	1.21	0.00	0.12	0.00	0.00	3.37	7.84
7455	33.75	17.17	20.23	4.86	0.00	0.00	34.12	110.13	40.50	17.43	26.65	6.40	0.00	0.00	45.49	136.47
7460	4.53	2.14	0.00	0.26	0.00	0.00	4.33	11.26	5.67	2.19	0.00	0.26	0.00	0.00	6.09	14.21
7465	5.19	2.45	0.00	0.25	0.00	0.00	4.95	12.84	6.48	2.50	0.00	0.25	0.00	0.00	6.97	16.20
7470	2.89	1.37	0.00	0.12	0.00	0.00	2.76	7.14	3.61	1.40	0.00	0.12	0.00	0.00	3.88	9.01
7480	3.67	1.91	2.51	0.90	0.00	0.00	5.14	14.13	4.59	1.95	3.30	1.19	0.00	0.00	7.01	18.04
7485	4.69	2.44	3.01	1.08	0.00	0.00	6.57	17.79	5.86	2.49	3.96	1.43	0.00	0.00	8.96	22.70
7490	6.82	3.56	4.24	1.53	0.00	0.00	9.55	25.70	8.52	3.62	5.58	2.01	0.00	0.00	13.03	32.76
7495	8.72	4.55	5.40	1.94	0.00	0.00	12.22	32.83	10.90	4.63	7.11	2.56	0.00	0.00	16.66	41.86
7500	1.00	0.47	0.00	0.05	0.00	0.00	0.96	2.48	1.25	0.48	0.00	0.05	0.00	0.00	1.35	3.13
7505	1.13	0.54	0.00	0.05	0.00	0.00	1.08	2.80	1.41	0.55	0.00	0.05	0.00	0.00	1.52	3.53
7510	13.53	7.06	8.09	2.91	0.00	0.00	18.96	50.55	16.92	7.19	10.66	3.84	0.00	0.00	25.86	64.47
7515	1.78	0.84	0.00	0.05	0.00	0.00	1.70	4.37	2.22	0.86	0.00	0.05	0.00	0.00	2.39	5.52
7520	1.20	0.57	0.00	0.05	0.00	0.00	1.14	2.96	1.49	0.58	0.00	0.05	0.00	0.00	1.61	3.73
7525	18.56	8.78	11.95	3.35	0.00	0.00	19.94	62.58	23.20	8.96	15.74	4.41	0.00	0.00	27.70	80.01
7530	2.18	1.03	0.00	0.10	0.00	0.00	2.08	5.39	2.73	1.05	0.00	0.10	0.00	0.00	2.93	6.21
7535	1.80	0.85	0.00	0.12	0.00	0.00	1.72	4.49	2.25	0.87	0.00	0.12	0.00	0.00	2.42	5.66
7540	0.76	0.36	0.00	0.08	0.00	0.00	0.72	1.92	0.95	0.37	0.00	0.08	0.00	0.00	1.02	2.42
7545	0.44	0.21	0.00	0.13	0.00	0.00	0.42	1.20	0.55	0.21	0.00	0.13	0.00	0.00	0.59	1.48
7550	0.07	0.03	0.00	0.08	0.00	0.00	0.06	0.24	0.08	0.03	0.00	0.08	0.00	0.00	0.09	0.28
7560	2.59	1.35	1.62	0.58	0.00	0.00	3.63	9.77	3.24	1.38	2.13	0.77	0.00	0.00	4.35	12.47
7565	3.57	1.86	2.51	0.90	0.00	0.00	5.00	13.84	4.46	1.90	3.30	1.19	0.00	0.00	6.82	17.67
7570	4.28	2.23	2.77	1.00	0.00	0.00	6.00	16.28	5.35	2.28	3.65	1.32	0.00	0.00	8.18	20.78
7575	8.21	4.28	4.24	1.53	0.00	0.00	11.50	29.76	10.26	4.36	5.58	2.01	0.00	0.00	15.69	37.90
7580	10.90	5.69	5.59	2.01	0.00	0.00	15.28	39.47	13.63	5.79	7.36	2.65	0.00	0.00	20.83	50.26
7590	2.99	1.56	2.54	0.92	0.00	0.00	4.19	12.20	3.74	1.59	3.35	1.21	0.00	0.00	5.71	15.60
7595	0.52	0.24	0.00	0.05	0.00	0.00	0.49	1.30	0.65	0.25	0.00	0.05	0.00	0.00	0.69	1.64
7600	4.48	2.34	3.47	1.25	0.00	0.00	6.28	17.82	5.60	2.38	4.57	1.64	0.00	0.00	8.57	22.76
7605	0.55	0.27	0.00	0.05	0.00	0.00	0.54	1.42	0.70	0.27	0.00	0.05	0.00	0.00	0.75	1.77
7610	6.58	3.43	4.55	1.64	0.00	0.00	9.21	25.41	8.22	3.49	5.99	2.16	0.00	0.00	12.57	32.43
7615	0.61	0.29	0.00	0.05	0.00	0.00	0.58	1.53	0.77	0.30	0.00	0.05	0.00	0.00	0.82	1.94

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
7620	9.31	4.85	6.36	2.29	0.00	0.00	13.04	35.85	11.63	4.94	8.38	3.02	0.00	0.00	17.78	45.75
7625	0.80	0.38	0.00	0.05	0.00	0.00	0.76	1.99	1.00	0.39	0.00	0.05	0.00	0.00	1.07	2.51
7630	12.33	6.43	8.48	3.05	0.00	0.00	17.28	47.57	15.41	6.55	11.17	4.02	0.00	0.00	23.56	60.71
7635	1.25	0.59	0.00	0.08	0.00	0.00	1.19	3.11	1.56	0.60	0.00	0.08	0.00	0.00	1.68	3.92
7640	1.33	0.63	0.00	0.10	0.00	0.00	1.27	3.33	1.67	0.64	0.00	0.10	0.00	0.00	1.79	4.20
7645	18.10	8.56	12.33	3.45	0.00	0.00	19.45	61.89	22.62	8.74	16.24	4.55	0.00	0.00	27.01	79.16
7650	1.71	0.81	0.00	0.14	0.00	0.00	1.64	4.30	2.14	0.83	0.00	0.14	0.00	0.00	2.30	5.41
7555	1.81	0.86	0.00	0.14	0.00	0.00	1.73	4.54	2.26	0.87	0.00	0.14	0.00	0.00	2.43	5.70
7660	24.14	11.42	15.80	4.42	0.00	0.00	25.93	81.71	30.17	11.65	20.81	5.83	0.00	0.00	36.02	104.48
7665	2.33	1.10	0.00	0.20	0.00	0.00	2.22	5.85	2.91	1.12	0.00	0.20	0.00	0.00	3.13	7.36
7670	2.12	1.00	0.00	0.18	0.00	0.00	2.02	5.32	2.65	1.02	0.00	0.18	0.00	0.00	2.85	6.70
7675	37.87	19.26	23.89	5.73	0.00	0.00	38.28	125.03	45.45	19.56	31.47	7.55	0.00	0.00	51.05	155.08
7680	5.64	2.67	0.00	0.24	0.00	0.00	5.39	13.94	7.05	2.72	0.00	0.24	0.00	0.00	7.58	17.59
7685	5.30	2.51	0.00	0.21	0.00	0.00	5.07	13.09	6.63	2.56	0.00	0.21	0.00	0.00	7.12	16.52
7690	4.97	2.35	0.00	0.19	0.00	0.00	4.74	12.25	6.21	2.40	0.00	0.19	0.00	0.00	6.67	15.47
7700	11.97	6.24	7.90	2.84	0.00	0.00	16.78	45.73	14.97	6.36	10.41	3.75	0.00	0.00	22.88	58.37
7705	1.24	0.59	0.00	0.05	0.00	0.00	1.19	3.07	1.56	0.60	0.00	0.05	0.00	0.00	1.67	3.88
7710	1.39	0.66	0.00	0.05	0.00	0.00	1.33	3.43	1.74	0.67	0.00	0.05	0.00	0.00	1.87	4.33
7715	1.43	0.67	0.00	0.05	0.00	0.00	1.36	3.51	1.78	0.69	0.00	0.05	0.00	0.00	1.92	4.44
7720	14.91	7.05	10.02	2.81	0.00	0.00	16.01	50.80	18.63	7.20	13.20	3.70	0.00	0.00	22.24	64.97
7725	1.76	0.83	0.00	0.05	0.00	0.00	1.68	4.32	2.20	0.85	0.00	0.05	0.00	0.00	2.36	5.46
7730	2.31	1.09	0.00	0.05	0.00	0.00	2.20	5.65	2.88	1.11	0.00	0.05	0.00	0.00	3.10	7.14
7735	1.92	0.91	0.00	0.05	0.00	0.00	1.83	4.71	2.40	0.93	0.00	0.05	0.00	0.00	2.57	5.95
7740	19.97	9.45	13.49	3.78	0.00	0.00	21.45	68.14	24.96	9.64	17.77	4.97	0.00	0.00	29.80	87.14
7745	2.30	1.09	0.00	0.12	0.00	0.00	2.19	5.70	2.87	1.11	0.00	0.12	0.00	0.00	3.08	7.18
7750	2.52	1.19	0.00	0.13	0.00	0.00	2.40	6.24	3.15	1.22	0.00	0.13	0.00	0.00	3.38	7.38
7755	2.20	1.04	0.00	0.11	0.00	0.00	2.10	5.45	2.75	1.06	0.00	0.11	0.00	0.00	2.95	6.87
7760	0.09	0.04	0.00	0.05	0.00	0.00	0.09	0.27	0.12	0.04	0.00	0.05	0.00	0.00	0.12	0.33
7765	0.59	0.28	0.00	0.11	0.00	0.00	0.56	1.54	0.74	0.29	0.00	0.11	0.00	0.00	0.79	1.93
7775	11.89	6.08	7.50	2.10	2.46	0.37	9.28	39.68	14.87	6.20	9.87	2.76	5.16	0.77	12.57	52.20
7780	16.50	8.78	11.07	3.10	6.12	0.92	12.99	59.48	20.62	8.95	14.57	4.08	12.82	1.92	17.60	80.56
7785	24.14	13.01	16.07	4.50	7.32	1.10	19.07	85.21	30.18	13.28	21.15	5.92	15.34	2.30	25.83	114.00
7795	18.74	9.96	10.79	3.02	6.90	1.04	14.76	65.21	23.42	10.17	14.19	3.97	14.46	2.17	19.98	88.36
7800	31.48	16.85	20.43	5.72	8.92	1.34	24.83	109.57	39.35	17.19	26.88	7.53	18.68	2.80	33.62	146.05
7810	1.05	0.54	1.54	0.43	0.22	0.03	0.82	4.63	1.31	0.55	2.02	0.57	0.45	0.07	1.11	6.08
7815	1.34	0.68	2.21	0.62	0.24	0.04	1.05	6.18	1.68	0.70	2.91	0.82	0.49	0.07	1.42	8.09
7825	0.25	0.13	0.70	0.20	0.04	0.01	0.28	1.61	0.31	0.13	0.91	0.26	0.05	0.01	0.39	2.06
7830	1.05	0.51	1.40	0.39	0.05	0.01	1.17	4.58	1.31	0.52	1.83	0.51	0.07	0.01	1.63	5.88
7835	1.46	0.71	2.18	0.61	0.07	0.01	1.63	6.67	1.83	0.73	2.84	0.80	0.10	0.02	2.27	8.59
7840	2.62	1.30	2.29	0.64	0.21	0.03	2.94	10.03	3.28	1.32	3.01	0.84	0.30	0.05	4.08	12.88
7845	5.41	2.66	3.75	1.05	0.34	0.05	6.06	19.32	6.77	2.71	4.93	1.38	0.49	0.07	8.42	24.77
7860	1.80	0.87	0.86	0.24	0.07	0.01	2.01	5.86	2.25	0.89	1.13	0.32	0.10	0.02	2.79	7.50
7865	3.50	1.72	1.57	0.44	0.21	0.03	3.92	11.39	4.38	1.75	2.07	0.58	0.30	0.05	5.44	14.57
7870	3.88	1.90	1.96	0.55	0.21	0.03	4.34	12.87	4.85	1.94	2.58	0.72	0.30	0.05	6.03	16.47
7875	6.26	3.00	4.04	1.13	0.00	0.00	6.97	21.40	7.83	3.06	5.31	1.49	0.00	0.00	9.69	27.38
7880	12.35	5.91	6.25	1.75	0.00	0.00	13.76	40.02	15.44	6.03	8.22	2.30	0.00	0.00	19.11	51.10
7890	10.21	4.89	3.57	1.00	0.00	0.00	11.38	31.05	12.77	4.99	4.70	1.32	0.00	0.00	15.80	39.58
7895	14.90	7.13	5.72	1.60	0.00	0.00	16.60	45.95	18.63	7.28	7.52	2.11	0.00	0.00	23.06	58.60
7900	19.06	9.12	5.72	1.60	0.00	0.00	21.24	56.74	23.83	9.31	7.52	2.11	0.00	0.00	29.50	72.27
7910	8.20	3.92	2.39	0.67	0.00	0.00	9.14	24.32	10.25	4.00	3.15	0.88	0.00	0.00	12.69	30.97
7915	8.93	4.27	2.39	0.67	0.00	0.00	9.95	26.21	11.16	4.36	3.15	0.88	0.00	0.00	13.81	33.36
7920	9.20	4.40	2.39	0.67	0.00	0.00	10.25	26.91	11.50	4.49	3.15	0.88	0.00	0.00	14.23	34.25
7925	17.46	8.36	5.36	1.50	0.00	0.00	19.46	52.14	21.83	8.53	7.05	1.97	0.00	0.00	27.02	66.40
7930	21.66	10.36	6.25	1.75	0.00	0.00	24.13	64.15	27.08	10.58	8.22	2.30	0.00	0.00	33.52	81.70
7945	0.94	0.33	2.42	0.68	0.13	0.02	0.93	5.45	1.13	0.34	3.23	0.91	0.16	0.02	1.27	7.06

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
7950	1.18	0.42	2.42	0.68	0.15	0.02	1.16	6.03	1.42	0.43	3.23	0.91	0.20	0.03	1.59	7.81
7955	1.03	0.37	2.42	0.68	0.17	0.03	1.01	5.71	1.23	0.38	3.23	0.91	0.21	0.03	1.39	7.38
7960	1.22	0.43	2.42	0.68	0.20	0.03	1.20	6.18	1.47	0.44	3.23	0.91	0.26	0.04	1.65	8.00
7965	1.08	0.39	2.42	0.68	0.27	0.04	1.07	5.95	1.29	0.40	3.23	0.91	0.34	0.05	1.46	7.68
7970	1.39	0.67	6.36	1.91	0.45	0.07	1.19	12.04	1.85	0.69	8.18	2.45	0.57	0.09	1.84	15.67
7975	1.98	0.93	3.89	1.01	0.45	0.07	1.68	10.01	2.64	0.96	5.05	1.31	0.57	0.09	2.61	13.23
7980	1.63	0.78	7.31	2.19	0.45	0.07	1.39	13.82	2.17	0.80	9.40	2.82	0.57	0.09	2.16	18.01
7985	2.26	1.05	3.89	1.01	0.45	0.07	1.91	10.64	3.01	1.08	5.05	1.31	0.57	0.09	2.97	14.08
7990	1.79	0.86	7.31	2.19	0.52	0.08	1.53	14.28	2.39	0.88	9.40	2.82	0.66	0.10	2.37	18.62
7995	2.24	1.10	3.89	1.01	0.89	0.13	1.93	11.19	2.99	1.14	5.05	1.31	1.14	0.17	3.00	14.80
8000	3.00	1.30	13.68	4.38	0.91	0.14	2.37	25.78	4.00	1.34	17.63	5.64	1.17	0.18	3.69	33.65
8005	4.16	1.78	6.30	1.76	1.11	0.17	3.28	18.56	5.55	1.84	8.19	2.29	1.44	0.22	5.11	24.54
8010	4.36	1.86	6.30	1.76	1.15	0.17	3.44	19.04	5.81	1.93	8.19	2.29	1.48	0.22	5.35	25.27
8015	4.10	1.76	6.30	1.76	1.15	0.17	3.24	18.48	5.47	1.82	8.19	2.29	1.48	0.22	5.04	24.51
8020	4.84	2.06	6.30	1.76	1.15	0.17	3.81	20.09	6.45	2.12	8.19	2.29	1.48	0.22	5.93	26.68
8025	6.37	2.71	8.60	2.41	1.56	0.23	5.02	26.90	8.49	2.80	11.19	3.13	2.02	0.30	7.80	35.73
8030	6.75	2.88	8.60	2.41	1.67	0.25	5.32	27.88	9.00	2.97	11.19	3.13	2.15	0.32	8.28	37.04
8035	6.38	2.73	8.60	2.41	1.67	0.25	5.03	27.07	8.50	2.82	11.19	3.13	2.15	0.32	7.83	35.94
8040	6.36	2.68	10.30	2.88	1.39	0.21	5.00	28.82	8.47	2.77	13.38	3.75	1.80	0.27	7.78	38.22
8050	0.93	0.33	2.92	0.82	0.14	0.02	0.92	6.08	1.12	0.34	3.89	1.09	0.18	0.03	1.26	7.97
8055	1.22	0.43	2.92	0.82	0.14	0.02	1.20	6.75	1.47	0.44	3.89	1.09	0.18	0.03	1.65	8.75
8060	1.35	0.47	2.92	0.82	0.16	0.02	1.33	7.07	1.62	0.49	3.89	1.09	0.21	0.03	1.82	9.15
8065	1.13	0.40	2.92	0.82	0.14	0.02	1.11	6.54	1.35	0.41	3.89	1.09	0.18	0.03	1.52	8.47
8070	1.32	0.46	2.92	0.82	0.17	0.03	1.29	7.01	1.58	0.47	3.89	1.09	0.22	0.03	1.77	9.05
8075	1.23	0.45	2.83	0.79	0.28	0.04	1.21	6.83	1.47	0.46	3.78	1.06	0.35	0.05	1.67	8.84
8080	1.27	0.62	6.65	1.99	0.45	0.07	1.09	12.14	1.69	0.64	8.55	2.56	0.57	0.09	1.69	15.79
8085	1.39	0.67	6.65	1.99	0.45	0.07	1.19	12.41	1.85	0.69	8.55	2.56	0.57	0.09	1.35	16.16
8090	2.03	0.95	3.96	1.03	0.45	0.07	1.72	10.21	2.71	0.98	5.15	1.34	0.57	0.09	2.58	13.52
8095	1.46	0.71	7.39	2.22	0.52	0.08	1.25	13.63	1.94	0.73	9.50	2.85	0.66	0.10	1.94	17.72
8100	3.04	1.43	5.40	1.40	0.65	0.10	2.58	14.60	4.06	1.47	7.02	1.83	0.83	0.12	4.01	19.34
8105	2.78	1.24	12.70	4.06	1.14	0.17	2.22	24.31	3.71	1.28	16.37	5.24	1.47	0.22	3.45	31.74
8110	3.42	1.49	7.38	2.07	1.14	0.17	2.71	18.38	4.56	1.54	9.59	2.69	1.47	0.22	4.21	24.29
8115	4.04	1.71	8.46	2.37	0.90	0.13	3.18	20.79	5.39	1.77	11.00	3.08	1.15	0.17	4.95	27.51
8120	4.51	1.92	7.56	2.12	1.14	0.17	3.56	20.98	6.02	1.99	9.83	2.75	1.47	0.22	5.53	27.81
8125	4.18	1.96	5.52	1.44	0.89	0.13	3.55	17.67	5.58	2.02	7.18	1.87	1.12	0.17	5.52	23.46
8130	5.31	2.24	10.80	3.02	1.14	0.17	4.18	26.86	7.09	2.31	14.04	3.93	1.47	0.22	6.50	35.56
8135	5.40	2.32	11.05	3.09	1.48	0.22	4.26	27.82	7.20	2.40	14.37	4.02	1.88	0.28	6.63	36.78
8140	6.33	2.71	11.05	3.09	1.64	0.25	4.99	30.06	8.44	2.80	14.37	4.02	2.09	0.31	7.77	39.30
8150	1.52	0.71	3.72	0.97	0.33	0.05	1.29	8.59	2.02	0.73	4.84	1.26	0.41	0.06	2.00	11.32
8155	1.34	0.63	6.07	1.82	0.33	0.05	1.14	11.38	1.79	0.65	7.81	2.34	0.41	0.06	1.77	14.83
8160	1.98	0.91	3.96	1.03	0.33	0.05	1.67	9.93	2.64	0.94	5.15	1.34	0.41	0.06	2.60	13.14
8165	2.48	1.15	4.32	1.12	0.45	0.07	2.10	11.69	3.31	1.19	5.62	1.46	0.57	0.09	3.26	15.50
8170	4.17	1.79	7.56	2.12	1.14	0.17	3.29	20.24	5.56	1.85	9.83	2.75	1.47	0.22	5.12	26.80
8175	5.64	2.37	8.28	2.32	1.14	0.17	4.43	24.35	7.52	2.45	10.76	3.01	1.47	0.22	6.89	32.32
8180	5.93	2.49	10.80	3.02	1.14	0.17	4.66	28.21	7.91	2.57	14.04	3.93	1.47	0.22	7.25	37.39
8185	5.77	2.42	7.56	2.12	1.14	0.17	4.53	23.71	7.69	2.50	9.83	2.75	1.47	0.22	7.05	31.51
8190	6.04	2.53	8.28	2.32	1.14	0.17	4.74	25.22	8.06	2.61	10.76	3.01	1.47	0.22	7.38	33.51
8200	6.34	2.66	10.80	3.02	1.27	0.19	4.98	29.26	8.45	2.75	14.04	3.93	1.63	0.25	7.75	38.80
8205	6.39	2.68	10.80	3.02	1.27	0.19	5.02	29.37	8.52	2.77	14.04	3.93	1.63	0.25	7.81	38.95
8210	6.90	2.88	9.72	2.72	1.27	0.19	5.42	29.10	9.20	2.98	12.64	3.54	1.63	0.25	8.43	38.67
8220	7.02	2.96	8.82	2.47	1.60	0.24	5.52	28.63	9.36	3.06	11.47	3.21	2.10	0.31	8.59	38.10
8225	6.18	2.60	10.80	3.02	1.27	0.19	4.85	28.91	8.24	2.68	14.04	3.93	1.63	0.25	7.55	38.32
8230	5.94	2.50	10.80	3.02	1.27	0.19	4.67	28.39	7.92	2.59	14.04	3.93	1.63	0.25	7.27	37.63
8235	6.66	2.79	12.60	3.53	1.27	0.19	5.23	32.27	8.88	2.88	16.38	4.59	1.63	0.25	8.14	42.75
8245	2.55	1.00	0.00	0.10	0.00	0.00	2.22	5.87								

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	3.07	1.20	0.00	0.10	0.00	0.00	2.67	7.04								
8255	4.75	1.86	0.00	0.10	0.00	0.00	4.13	10.84								
8260	5.89	2.30	0.00	0.10	0.00	0.00	5.11	13.40								
8265	6.50	2.54	0.00	0.10	0.00	0.00	5.65	14.79								
8275	0.61	0.24	0.00	0.09	0.00	0.00	0.53	1.47	0.81	0.25	0.00	0.09	0.00	0.00	0.81	1.96
8280	0.96	0.38	0.00	0.09	0.00	0.00	0.84	2.27	1.28	0.39	0.00	0.09	0.00	0.00	1.27	3.03
8285	0.97	0.38	0.00	0.09	0.00	0.00	0.85	2.29	1.30	0.39	0.00	0.09	0.00	0.00	1.29	3.07
8290	0.99	0.39	0.00	0.09	0.00	0.00	0.86	2.33	1.32	0.40	0.00	0.09	0.00	0.00	1.31	3.12
8300	0.20	0.08	0.00	0.00	0.00	0.00	0.17	0.45								
8305	0.20	0.08	0.00	0.00	0.00	0.00	0.18	0.46								
8310	0.22	0.09	0.00	0.00	0.00	0.00	0.19	0.50								
8315	0.26	0.10	0.00	0.00	0.00	0.00	0.23	0.59								
8320	0.29	0.11	0.00	0.00	0.00	0.00	0.25	0.65								
8325	0.27	0.11	0.00	0.00	0.00	0.00	0.24	0.62								
8335	0.23	0.09	0.00	0.09	0.00	0.00	0.20	0.61								
8340	0.27	0.11	0.00	0.09	0.00	0.00	0.24	0.71								
8345	0.75	0.29	0.00	0.09	0.00	0.00	0.66	1.79								
8350	0.85	0.33	0.00	0.09	0.00	0.00	0.74	2.01								
8360	2.66	1.04	0.00	0.13	0.00	0.00	2.31	6.14								
8365	2.70	1.05	0.00	0.13	0.00	0.00	2.34	6.22								
8370	2.72	1.06	0.00	0.13	0.00	0.00	2.37	6.28								
8375	2.76	1.08	0.00	0.13	0.00	0.00	2.40	6.37								
8385	1.18	0.46	0.00	0.00	0.00	0.00	1.03	2.67								
8390	1.24	0.49	0.00	0.00	0.00	0.00	1.08	2.81								
8395	1.32	0.52	0.00	0.00	0.00	0.00	1.15	2.99								
8405	1.98	0.95	0.00	0.09	0.56	0.08	1.41	5.07	2.47	0.98	0.00	0.09	0.68	0.10	2.05	6.37
8410	2.39	1.13	0.00	0.09	0.56	0.08	1.69	5.94	2.98	1.16	0.00	0.09	0.68	0.10	2.47	7.48
8415	2.41	1.14	0.00	0.09	0.56	0.08	1.71	5.99	3.01	1.17	0.00	0.09	0.68	0.10	2.49	7.54
8420	2.82	1.36	0.00	0.09	0.80	0.12	2.01	7.20	3.53	1.39	0.00	0.09	0.96	0.14	2.93	9.04
8425	3.44	1.61	0.00	0.09	0.68	0.10	2.44	8.36	4.30	1.65	0.00	0.09	0.82	0.12	3.55	10.53
8430	6.94	3.42	0.00	0.09	2.39	0.36	4.95	18.15	8.67	3.50	0.00	0.09	2.88	0.43	7.22	22.79
8435	7.69	3.82	0.00	0.09	2.81	0.42	5.50	20.33	9.61	3.91	0.00	0.09	3.39	0.51	8.01	25.52
8445	2.70	1.27	0.00	0.09	0.56	0.08	1.91	6.61	3.37	1.30	0.00	0.09	0.68	0.10	2.79	8.33
8455	1.21	0.83	0.00	0.09	0.51	0.08	0.91	3.63								
8460	1.35	0.92	0.00	0.09	0.55	0.08	1.01	4.00								
8465	1.49	1.00	0.00	0.09	0.56	0.08	1.11	4.33								
8470	1.66	1.16	0.00	0.13	0.76	0.11	1.25	5.07								
8475	1.73	1.21	0.00	0.13	0.82	0.12	1.30	5.31								
8480	2.03	1.39	0.00	0.13	0.84	0.13	1.52	6.04								
8485	2.09	1.50	0.00	0.13	1.15	0.17	1.59	6.63								
8490	2.64	1.82	0.00	0.13	1.15	0.17	1.99	7.90								
8495	2.74	1.88	0.00	0.13	1.15	0.17	2.05	8.12								
8500	3.21	2.15	0.00	0.17	1.12	0.17	2.39	9.21								
8505	3.40	2.32	0.00	0.17	1.37	0.21	2.55	10.02								
8510	3.81	2.60	0.00	0.17	1.53	0.23	2.86	11.20								
8515	4.27	3.02	0.00	0.17	2.18	0.33	3.24	13.21								
8520	0.99	0.72	0.00	0.09	0.56	0.08	0.76	3.20								
8530	0.91	0.67	0.00	0.09	0.56	0.08	0.70	3.01								
8540	1.19	0.83	0.00	0.11	0.56	0.08	0.90	3.67								
8545	1.21	0.84	0.00	0.11	0.56	0.08	0.91	3.71								
8555	0.60	0.44	0.00	0.10	0.38	0.06	0.46	2.04								
8560	0.67	0.51	0.00	0.10	0.47	0.07	0.52	2.34								
8565	0.74	0.55	0.00	0.10	0.51	0.08	0.57	2.55								
8575	1.98	1.17	2.25	0.63	0.20	0.03	1.24	7.50								
8580	2.00	1.24	2.25	0.63	0.41	0.06	1.26	7.85								

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
8585	2.09	1.29	2.25	0.63	0.41	0.06	1.32	8.05								
8595	18.81	10.25	10.15	3.45	5.70	0.85	13.19	62.40	22.58	10.40	13.11	4.46	9.50	1.42	18.47	79.94
8600	26.06	14.40	14.66	4.99	9.81	1.47	18.32	89.71	31.28	14.62	18.94	6.44	16.35	2.45	25.65	115.73
8605	35.32	20.06	19.63	6.67	13.11	1.97	24.94	121.70	42.39	20.37	25.35	8.62	21.86	3.28	34.92	156.79
8610	16.46	9.04	10.15	3.45	5.70	0.85	11.56	57.21	19.75	9.18	13.11	4.46	9.50	1.42	16.18	73.60
8615	23.89	13.56	14.66	4.99	12.37	1.86	16.87	88.20	28.67	13.77	18.94	6.44	20.62	3.09	23.62	115.15
8620	30.15	17.77	19.63	6.67	15.51	2.33	21.43	113.49	36.18	18.04	25.35	9.62	25.85	3.88	30.00	147.92
8630	15.25	8.31	5.75	1.96	3.73	0.56	10.70	46.26	18.31	8.44	7.43	2.53	6.00	0.90	14.98	58.59
8635	16.04	9.05	5.87	1.99	6.29	0.94	11.32	51.50	19.25	9.19	7.58	2.58	10.12	1.52	15.84	66.08
8640	26.19	14.70	10.15	3.45	9.66	1.45	18.45	84.05	31.42	14.92	13.11	4.46	15.53	2.33	25.83	107.60
8650	12.60	6.88	4.83	1.64	2.87	0.43	8.84	38.09	15.12	6.99	6.24	2.12	4.79	0.72	12.37	48.35
8655	20.17	10.95	10.15	3.45	5.70	0.85	14.14	65.41	24.21	11.11	13.11	4.46	9.50	1.42	19.79	83.60
8660	26.07	14.40	13.72	4.66	9.81	1.47	18.32	88.45	31.28	14.62	17.72	6.02	16.35	2.45	25.65	114.09
8665	34.13	19.25	14.57	4.96	11.76	1.76	24.07	110.50	40.96	19.54	18.82	6.40	19.60	2.94	33.70	141.96
8670	34.83	19.81	17.03	5.79	13.11	1.97	24.60	117.[illegible]4	41.80	20.11	22.00	7.48	21.86	3.28	34.44	150.97
8685	11.28	6.12	4.85	1.65	3.13	0.47	7.91	35.41	13.54	6.21	6.27	2.13	5.22	0.78	11.07	45.22
8690	16.38	8.92	7.24	2.46	4.91	0.74	11.48	52.[illegible]3	19.65	9.05	9.35	3.18	8.19	1.23	16.08	66.73
8695	19.53	11.00	11.12	3.78	9.34	1.40	13.77	69.94	23.43	11.17	14.37	4.88	15.57	2.33	19.28	91.03
8700	26.33	14.81	14.08	4.79	12.37	1.86	18.56	92.80	31.60	15.04	18.18	6.18	20.62	3.09	25.99	120.70
8705	38.83	21.86	18.95	6.44	13.11	1.97	27.38	128.54	46.60	22.19	24.48	8.32	21.86	3.28	38.33	165.06
8710	56.84	31.97	24.64	8.38	19.03	2.86	40.07	183.79	68.21	32.46	31.82	10.82	31.73	4.76	56.10	235.90
8720	20.02	10.87	9.48	3.22	5.70	0.85	14.03	64.17	24.02	11.03	12.24	4.16	9.50	1.42	19.64	82.01
8725	28.23	15.51	12.99	4.42	9.81	1.47	19.82	92.25	33.87	15.75	16.78	5.71	16.35	2.45	27.75	118.66
8730	29.88	16.63	14.48	4.92	12.37	1.86	21.03	101.17	35.86	16.89	18.71	6.36	20.62	3.09	29.44	130.97
8735	33.63	18.87	15.32	5.21	10.94	1.64	23.70	109.31	40.36	19.16	19.79	6.73	18.24	2.74	33.18	140.20
8740	37.31	21.08	18.45	6.27	13.11	1.97	26.32	124.51	44.77	21.40	23.84	8.10	21.86	3.28	36.35	160.10
8745	44.44	25.62	23.69	8.05	19.03	2.86	31.46	155.15	53.33	26.01	30.60	10.40	31.73	4.76	44.04	200.87
8755	9.31	5.03	5.36	1.71	1.75	0.26	6.23	28.65	9.97	5.10	7.05	2.26	2.35	0.35	8.10	35.18
8760	14.29	8.91	11.79	3.77	4.42	0.66	10.79	54.63	17.15	9.03	15.51	4.96	5.96	0.89	14.03	67.53
8765	19.78	12.42	16.07	5.14	6.58	0.99	14.96	75.94	23.74	12.59	21.15	6.77	8.86	1.33	19.45	93.89
8770	20.28	12.70	16.07	5.14	6.58	0.99	15.33	77.09	24.34	12.87	21.15	6.77	8.86	1.33	19.93	95.25
8775	24.40	15.31	19.65	6.29	8.09	1.21	18.45	93.40	29.28	15.52	25.85	8.27	10.89	1.63	23.99	115.43
8780	24.78	15.53	19.65	6.29	8.09	1.21	18.73	94.28	29.74	15.74	25.85	8.27	10.89	1.63	24.35	116.47
8790	14.32	8.92	11.79	3.77	4.42	0.66	10.81	54.69	17.18	9.05	15.51	4.96	5.96	0.89	14.05	67.60
8795	19.49	12.25	16.07	5.14	6.58	0.99	14.75	75.27	23.39	12.42	21.15	6.77	8.86	1.33	19.17	93.09
8800	19.78	12.42	16.07	5.14	6.58	0.99	14.96	75.94	23.73	12.59	21.15	6.77	8.86	1.33	19.44	93.87
8805	25.40	15.88	19.65	6.29	8.09	1.21	19.19	95.71	30.48	16.10	25.85	8.27	10.89	1.63	24.95	118.17
8810	25.81	16.11	19.65	6.29	8.09	1.21	19.50	96.66	30.98	16.33	25.85	8.27	10.89	1.63	25.35	119.30
8820	16.74	9.36	11.79	3.77	6.12	0.92	11.79	60.49	20.09	9.50	15.51	4.96	10.22	1.53	16.51	78.32
8825	24.28	13.80	16.07	5.14	9.86	1.48	17.15	87.78	29.14	14.01	21.15	6.77	15.96	2.39	24.01	113.43
3830	38.34	22.02	23.22	7.43	17.93	2.69	27.12	138.75	46.01	22.36	30.55	9.78	29.39	4.41	37.97	180.47
3840	15.77	8.86	9.89	3.17	5.99	0.90	11.12	55.70	18.93	9.00	13.02	4.17	9.91	1.49	15.57	72.09
8845	26.57	14.93	16.29	5.21	7.63	1.15	18.73	90.51	31.88	15.16	21.43	5.86	12.62	1.39	25.23	116.06
8855	17.41	9.70	11.79	3.77	6.12	0.92	12.26	61.97	20.90	9.85	15.51	4.96	10.22	1.53	17.16	80.13
8860	25.15	13.92	16.07	5.14	8.21	1.23	17.69	87.41	30.19	14.13	21.15	6.77	13.75	2.06	24.76	112.81
8870	4.41	1.35	4.79	1.34	0.04	0.01	6.03	17.97								
3875	6.69	2.04	8.42	2.36	0.04	0.01	9.15	28.71								
8885	1.01	0.57	0.00	0.01	0.00	0.00	0.63	2.22								
8890	1.18	0.67	0.00	0.01	0.00	0.00	0.73	2.59								
8895	1.37	0.78	0.00	0.01	0.00	0.00	0.85	3.01								
8905	1.75	1.04	0.62	0.16	0.20	0.03	1.10	4.90								
3910	1.99	1.18	0.62	0.16	0.20	0.03	1.25	5.43								
3915	2.22	1.31	0.62	0.16	0.20	0.03	1.39	5.93								
3925	0.22	0.10	0.80	0.24	0.00	0.00	0.12	1.48								
3930	0.26	0.11	1.00	0.30	0.00	0.00	0.14	1.81								

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
8940	0.40	0.20	3.73	0.89	0.02	0.00	0.40	5.64								
8945	0.42	0.21	3.73	0.89	0.02	0.00	0.42	5.69								
8950	0.46	0.23	6.21	1.49	0.02	0.00	0.46	8.87								
8955	0.58	0.29	6.60	1.58	0.02	0.00	0.59	9.66								
8965	0.55	0.27	1.19	0.29	0.02	0.00	0.55	2.87								
8970	0.58	0.29	1.68	0.40	0.02	0.00	0.59	3.56								
8975	0.64	0.32	1.68	0.40	0.05	0.01	0.65	3.75								
8980	0.70	0.35	2.83	0.68	0.05	0.01	0.71	5.33								
8990	0.23	0.10	0.40	0.12	0.00	0.00	0.12	0.97								
8995	0.23	0.10	0.80	0.24	0.00	0.00	0.12	1.49								
9005	0.10	0.04	0.76	0.23	0.00	0.00	0.05	1.18								
9010	0.13	0.06	0.96	0.29	0.00	0.00	0.07	1.51								
9015	0.36	0.16	1.21	0.36	0.00	0.00	0.19	2.28								
9020	0.63	0.27	1.69	0.51	0.00	0.00	0.33	3.43								
9030	0.05	0.02	0.76	0.23	0.00	0.00	0.02	1.08								
9035	0.16	0.07	0.96	0.29	0.00	0.00	0.08	1.56								

APPENDIX A

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REFERENCES (Cont'd)

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APPENDIX B

AREA FACTORS

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

Sales or Import Tax Rate:					4.50 %
Working Hours Per Year:					1,350 Hrs/Yr
Labor Adjustment Factor (LAF):					0.950
Electricity Cost Per Kilowatt-Hour:					$ 0.067 /Kw-Hr
Gasoline Cost Per Gallon:					$ 1.180 /Gal.
Diesel Cost Per Gallon (Off-Road Use):					$ 0.940 /Gal.
Diesel Cost Per Gallon (On-Road Use):					$ 1.200 /Gal.
Freight Rates:		0	thru	30,000 lbs.	$ 5.250 /Cwt.
	over	30,000	thru	40,000 lbs.	$ 4.900 /Cwt.
	over	40,000	thru	50,000 lbs.	$ 4.750 /Cwt.
	over	50,000	thru	60,000 lbs.	$ 3.950 /Cwt.
	over	60,000	thru	80,000 lbs.	$ 3.250 /Cwt.
	over	80,000	thru	9999,900 lbs.	$ 2.500 /Cwt.

APPENDIX C

GUIDE FOR SELECTING OPERATING CONDITIONS

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

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C	LFE	SLV	EQUIPMENT POWER HP	E	G	D	CARRIER POWER HP	E	G	D	FOG E	G	D	TIRES F	D	T	RPR
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	20	70	.000	.000	.041	0	.000	.000	.000	0	0	28	0	0	0	90
620	UNIT FOR TANDEM TRACTORS)	S	8	20	91	.000	.000	.054	0	.000	.000	.000	0	0	28	0	0	0	100
625	OVER 425 HP	A	12	15	70	.000	.000	.041	0	.000	.000	.000	0	0	24	0	0	0	90
625		S	10	15	91	.000	.000	.054	0	.000	.000	.000	0	0	24	0	0	0	100
630	TRACTOR, BLADES, PUSH BLOCKS,	A	10	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	80
630	PUSH PLATES & CLEARING BLADES	S	8	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	90
645	TRACTOR, WHEEL TYPE	A	10	20	65	.000	.066	.038	0	.000	.000	.000	0	24	28	73	44	0	60
645		S	8	20	85	.000	.086	.050	0	.000	.000	.000	0	24	28	38	21	0	65
650	TRENCHER	A	10	20	65	.000	.066	.038	0	.000	.000	.000	0	28	28	91	68	0	90
650		S	8	20	85	.000	.086	.050	0	.000	.000	.000	0	28	28	77	48	0	100
655	TRAILERS, BOTTOM DUMP AND	A	10	15	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	55	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	20	65	.000	.066	.038	0	.000	.000	.000	0	24	32	73	55	81	60
780		S	10	20	85	.000	.086	.050	0	.000	.000	.000	0	24	32	56	40	62	65

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
785	WATER BLASTER	A	6	20	95	.000	.097	.056	0	.000	.000	.000	0	24	28	0	0	90	110
795	WATER TANKS	A	12	20	65	.000	.066	.038	0	.000	.000	.000	0	24	28	77	73	90	50
810	WELDERS	A	8	30	80	.000	.081	.047	0	.000	.000	.000	0	24	24	0	0	90	70
811	WELDERS ELECTRIC POWER	A	8	25	60	.600	.000	.000	0	.000	.000	.000	30	0	0	0	0	90	40

APPENDIX E

ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT 1967 = 1000

	YEAR PURCHASE NEW												
	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974
	AGE IN YEARS												
CATEGORY	0	1	2	3	4	5	6	7	8	9	10	11	12
Air Equipment	1785	1733	1683	1695	1668	1563	1630	1521	1354	1295	1186	1165	1028
Asphalt & Concrete Paving Equipment	2766	2685	2611	2583	2620	2461	2296	2111	1941	1815	1686	1610	1451
Buckets	4732	4639	4527	4471	4541	4313	3879	3280	2963	2738	2520	2175	1838
Cranes, Draglines & Clamshells - Crawler & Truck Mounted	3463	3395	3339	3282	3213	3009	2782	2512	2301	2138	2010	1843	1522
Drills	2858	2830	2803	2836	2810	2602	2265	1993	1858	1699	1638	1559	1373
Generators	3581	3511	3400	3314	3236	3160	2817	2390	2301	2128	2053	1839	1456
Graders, Motor	3813	3738	3645	3643	3561	3276	2992	2687	2492	2259	2109	1956	1604
Loaders, Track	3807	3769	3791	3792	3655	3349	3061	2750	2482	2247	2053	1916	1573
Loaders, Wheel	4013	3973	3944	3873	3788	3441	2938	2606	2375	2156	2002	1907	1584
Pile Driving Equipment	3698	3625	3570	3519	3439	3208	2894	2562	2329	2135	1989	1852	1523
Rollers	4212	4089	3925	3744	3431	3199	2913	2653	2396	2139	1983	1872	1556
Scrapers and Soil Stabilizers	3813	3738	3645	3643	3561	3276	2992	2687	2492	2259	2109	1956	1604
Shovels, Backhoes & Hydraulic Excavators	3463	3395	3339	3282	3213	3009	2782	2512	2301	2138	2010	1843	1522
Tractors, Crawler & Attachments	3807	3769	3791	3792	3655	3349	3061	2750	2482	2247	2053	1916	1573
Tractors, Wheel	3894	3818	3656	3557	3530	3256	2927	2578	2319	2125	1956	1813	1498
Trenchers	4580	4490	4431	4360	4097	3618	3153	2772	2580	2300	1894	1633	1527
Trucks, Highway	3268	3142	3055	2934	2824	2638	2324	2108	1934	1775	1646	1524	1369
Trucks & Wagons - Off Highway	3900	3824	3786	3744	3662	3353	2964	2588	2364	2196	2081	1965	1568
All Other Equipment	3698	3625	3570	3519	3439	3208	2894	2562	2329	2135	1989	1852	1523
All Tires & Tubes	2401	2377	2421	2453	2552	2506	2369	2055	1792	1699	1615	1485	1334

APPENDIX F

TIRE LIFE AND TIRE WEAR FACTORS

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

No.	Condition	Factor Average	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.