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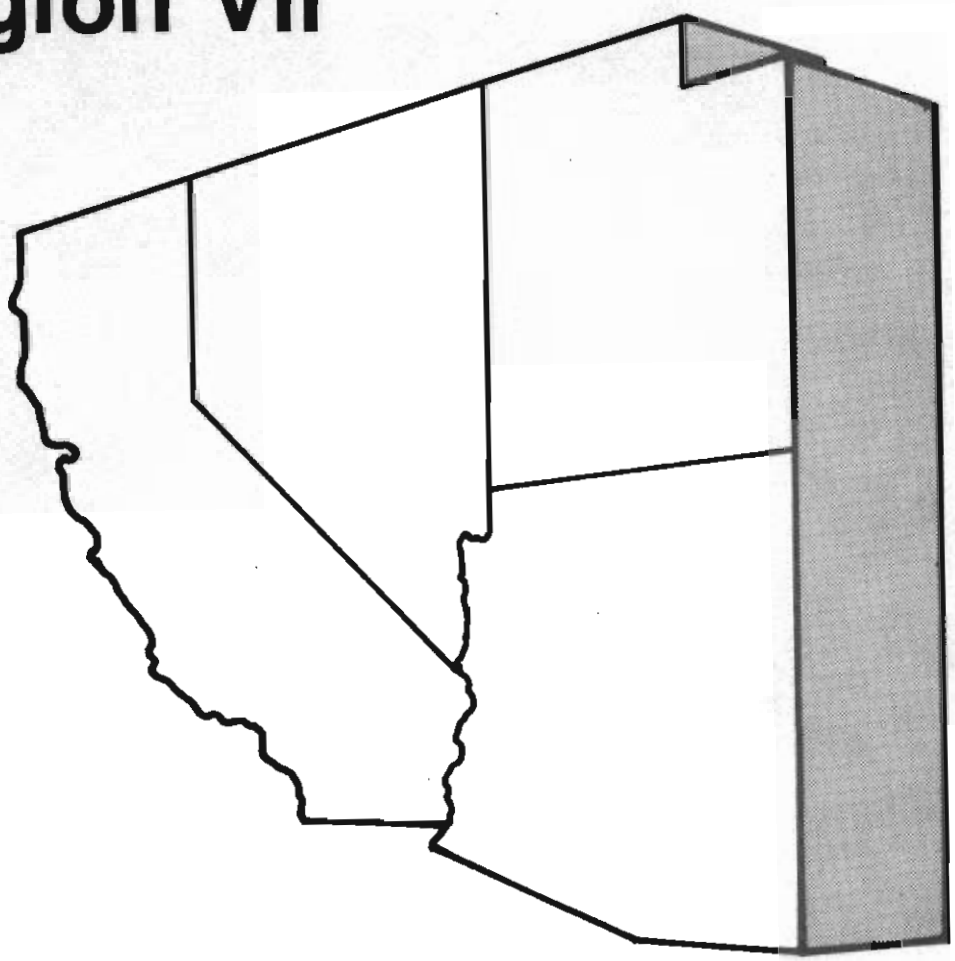
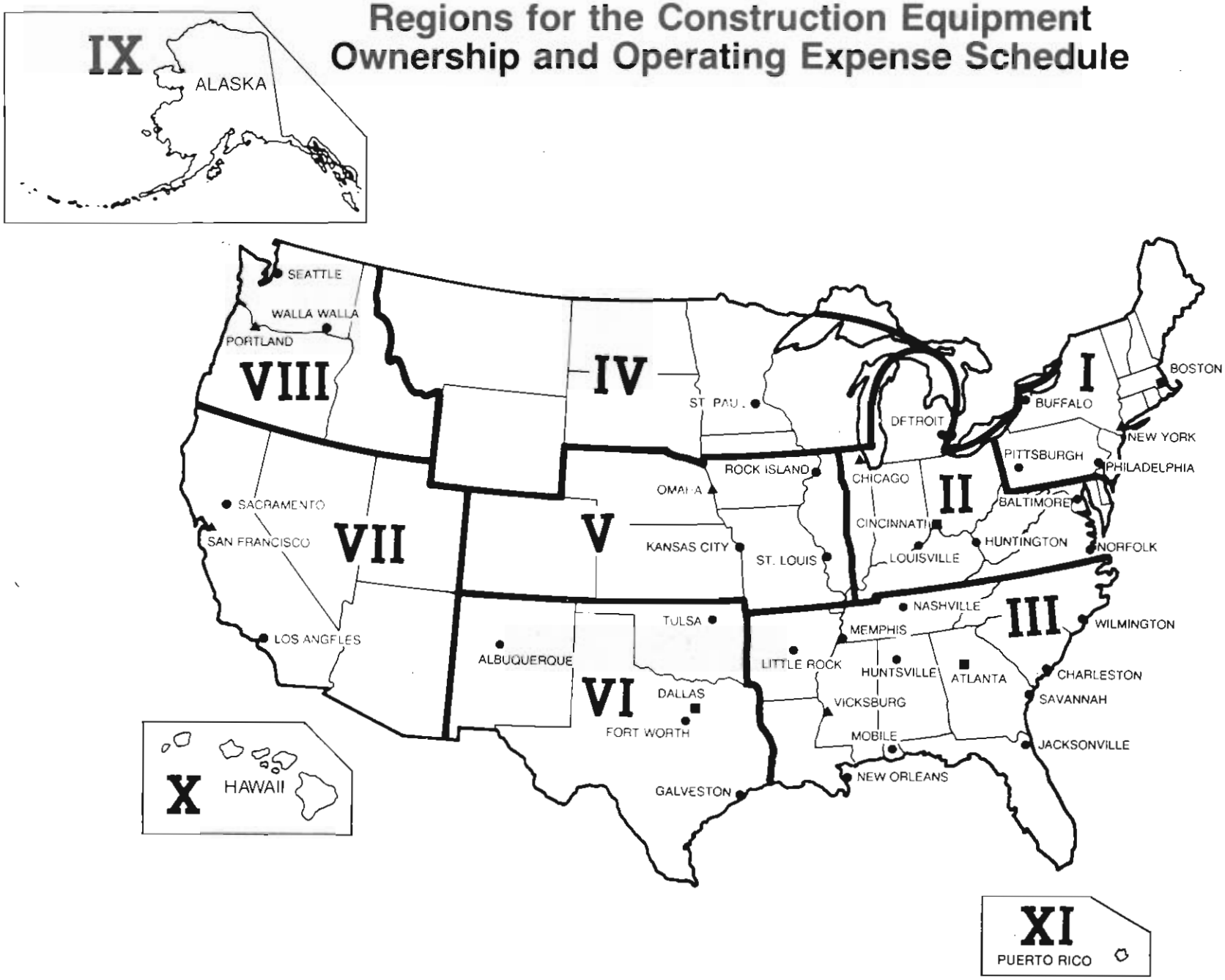
Construction Equipment Ownership and Operating Expense Schedule

Region VII



Regions for the Construction Equipment Ownership and Operating Expense Schedule



DAEN-ECE-S

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

EP 1110-1-8
Volume 7

Pamphlet
No. 1110-1-8

1 June 1984

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

Arizona
California
Nevada
Utah

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 1982. The percentages for marine equipment provide an allowance for ownership expenses only. This pamphlet will be updated annually or more frequently if necessary.

FOR THE COMMANDER:

PAUL F. KAVANAUGH
Colonel, Corps of Engineers
Chief of Staff

This pamphlet supersedes EP 1110-1-8, Volume 7, dated 1 June 1983

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DEPARTMENT OF THE ARMY
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(Vol. 7)

Engineer Pamphlet
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Engineering and Design
CONSTRUCTION EQUIPMENT OWNERSHIP AND OPERATING EXPENSE SCHEDULE

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CHAPTER 1

INTRODUCTION

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

Arizona
California
Nevada
Utah

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 1982. 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 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 1982.

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

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

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

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

(a) The cost of facilities capital (CFC) as defined in FAR 31.205-10 and CAS 414 is included in the use rates. This cost was computed by multiplying the cost of money rate (12.375%) determined by the Secretary of the Treasury pursuant to P.L. 92-41 (85 Stat. 97) by the average value of equipment and prorating the result over the annual operating hours. This cost of money rate was discounted to 9.90% to avoid duplication when applying markups for overhead and profit.

$$\text{CFC/hr} = \frac{[(N-1)(1+S)+2]\ (\text{Equipment Cost})\ (9.90\%)}{2N\ (\text{Work Hrs per Year})}$$

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:

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

where:

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

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

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

(4) Gasoline wt = 6.1 lbs per gallon

(5) Diesel wt = 7.1 lbs per gallon

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

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

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

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

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

cranes) 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)

1. REQUIRED DATA

a. Unit Number 3230

(1) Equipment Description Loram Truck Crane 50 ton

(2) Model and Series MC 550 A w/160' Boom

(3) Year Purchased 1982 (4) Year Manufactured 1982

(5) Equipment Horsepower 115 (6) Carrier Horsepower 246

(7) Fuel Type Diesel/Diesel (8) Shipping Weight 111,100 lbs.

(9) Tire Size: Front-1400x20 18PR Drive-1400x20 18PR Trailing- N/A

b. Key Number from APPENDIX D 225

(1) Condition Average

(2) Salvage Value % 20 (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) =$ 341,964.00

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

=($ 341,964.00) x *.075 =(-)$ 25,647.30

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

=(1111 cwt) x ($ 6.50) =(+)$ 7221.50

b. Subtotal: Summation of Part a. (Use actual cost when available) =$ 323,538.20

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

=($ 323,538.20) x (.055) =(+)$ 17,794.60

c. Equipment Cost: Summation of Part b. (Use actual cost when available) =$ 341,332.80

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

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)

=(18000 Hrs) ÷ (1,700 Hrs/Yr) 10.59 Yrs.

4. ECONOMIC ADJUSTMENT FACTOR (EAF)

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

=(3349) ÷ (3213) = 1.042 (EAF)

5. SALVAGE VALUE FACTOR (S)

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

=(.20) x (1.042) = .208 (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))

=[($ 341,333) x [1.0 - (.208)] - ($ 8486)] ÷ (18000 Hr) = $ 14.55 /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]

=[[(10.59 Yrs) - 1.0] x [(.208) + 1.0] + 2.0] ÷ [(10.59 Yrs) x 2.0] = .641

(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)

=($ 341,333) x (.641) x (.099) ÷ (1,700 Hrs/Yr) = $ 12.74 /Hr.

c. Total Hourly Ownership: (Sum 6-a + 6-b-(2)) = $ 27.29 /Hr.

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Figure 2-1. (Continued)

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

7. OPERATING COSTS

a. Fuel Costs:

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

=(.038) x (115 HP) x ($.99 /Gal) =$ 4.33 /Hr.

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

=(.006) x (246 HP) x ($1.14 /Gal) =$ 1.68 /Hr.

(3) Total Fuel Costs: (Sum 7-a-(1), 7-a-(2)) =$ 6.01 /Hr.

b. FOG Costs:

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

=(.26) x ($ 4.33 /Hr) =$ 1.13 /Hrs.

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

=(.26) x ($ 1.68 /Hr) =$ .44 /Hr.

(3) Total FOG Costs: (Sum 7-b-(1), 7-b-(2)) =$ 1.57 /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 (1.042) x (1.10) = .688

(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)

=[($ 341,333) - ($ 8486)] x (.685) ÷ (18000 Hr) =$ 12.72 /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($ 2720)÷ [1.8x(.97)x(5000 Hr)] =$ .47 /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($ 5440)÷[1.8x(.78)x(5000 Hr)] =$ 1.16 /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($)÷[1.8x( )x(Hr)] =$ 0 /Hr.

(4) Total Tire Wear Cost: (Sum 7-d-(1) thru (3)) =$ 1.63 /Hr.

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

=($ 1.63) x 0.15 =$ .24 /Hr.

f. Total Operating Costs: (Sum 7-a thru 7-e) =$ 22.17 /Hr.

8. TOTAL HOURLY RATES

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

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

=($ 27.29 /Hr) + ($ 22.17 /Hr) =$ 49.46 /Hr.

b. Hourly Rate for Other Work Shifts:

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

=($ 14.55 /Hr) + [($ 12.74 /Hr)x40÷(60 Hr/Wk)] + ($ 22.17 /Hr) =$ 45.21 /Hr.

c. Hourly Standby Rate:

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

=($ 14.55 /Hr) x 0.25 + ($ 12.74 /Hr) =$ 16.38 /Hr.

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Figure 2-1. (Continued)

2-3. Marine Equipment.

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

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

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

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

$$CFC = \frac{[(N-1)\ (1+S) + 2]\ (9.90\%)}{2N}$$

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	5.43	10.18
16-inch thru 20-inch	25	.10	3.60	5.62	9.22
24-inch and over	30	.10	3.00	5.59	8.59
Booster & Barge:					
10-inch thru 14-inch	20	.05	4.75	5.43	10.18
16-inch thru 20-inch	25	.10	3.60	5.62	9.22
24-inch and over	30	.10	3.00	5.59	8.59
Dredge, Hopper	25	.10	3.60	5.62	9.22
Dredge, Hopper, split hull	20	.10	4.50	5.67	10.17
Dredge, clamshell/ dragline	20	.05	4.75	5.43	10.18
Dredge, Dipper/Hyd Excav	25	.05	3.80	5.39	9.19
Bucket Dredge	30	.10	3.00	5.59	8.59
Dump Scows	20	.05	4.75	5.43	10.18
Barges:					
Fuel	20	.05	4.75	5.43	10.18
Water	20	.05	4.75	5.43	10.18
Equipment or Work	20	.05	4.75	5.43	10.18
Derrick	20	.10	4.50	5.67	10.17
Anchor	20	.05	4.75	5.43	10.18
Drill Boat or Barge	20	.10	4.50	5.67	10.17
Mooring Barge	20	.05	4.75	5.43	10.18
Tugs	20	.10	4.50	5.67	10.17
Tenders	20	.10	4.50	5.67	10.17
Launches	12	.05	7.92	5.59	13.51
Shore Pipeline (Average)	3	0	33.33	6.60	39.93
Floating Line:					
Pontoons	15	0	6.67	5.28	11.95
Pipeline/Joints (Avg)	10	0	10.00	5.45	15.45

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 3180 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	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	AVERAGE COND. FUEL	SEVERE COND. OWNER-SHIP	SEVERE COND. FUEL	CWT
	AGGREGATE SPREADER									
	ETNYRE - SELF-PROPELLED									
1010	SPREAD TO 8" DEPTH & 10' WIDE 187 HP G	52,610	24.88		3.07	6.16	11.73			1[illegible]
1015	SPREAD TO 8" DEPTH & 13' WIDE 143 HP D	58,661	16.78		3.43	6.88	4.25			[illegible]
	AIR COMPRESSORS, PORTABLE (HOSE NOT INCLUDED)									
	ROTARY SCREW									
1030	SIZE 85 CFM QUIET 100 PSI 43 HP G	10,020	6.56		0.58	1.13	3.49			21
1035	SIZE 85 CFM QUIET 100 PSI 38 HP D	11,857	4.14		0.70	1.34	1.43			24
1040	SIZE 100 CFM QUIET 100 PSI 50 HP G	12,461	7.79		0.73	1.41	4.06			20
1045	SIZE 100 CFM QUIET 100 PSI 44 HP D	14,965	5.03		0.87	1.69	1.66			25
1050	SIZE 125 CFM QUIET 100 PSI 70 HP G	15,247	10.47		0.90	1.73	5.68			24
1055	SIZE 125 CFM QUIET 100 PSI 51 HP D	16,220	5.62		0.96	1.84	1.92			26
1060	SIZE 150 CFM QUIET 100 PSI 70 HP G	16,639	10.74		0.98	1.89	5.68			26
1065	SIZE 150 CFM QUIET 100 PSI 69 HP D	18,868	7.00		1.11	2.14	2.60			28
1070	SIZE 185 CFM QUIET 100 PSI 70 HP G	17,179	10.85		1.01	1.95	5.68			27
1075	SIZE 185 CFM QUIET 100 PSI 69 HP D	20,244	7.27		1.19	2.30	2.60			29
1080	SIZE 275 CFM QUIET 100 PSI 94 HP D	30,262	10.43		1.78	3.44	3.54			55
1085	SIZE 340 CFM QUIET 100 PSI 103 HP D	37,602	12.30		2.20	4.23	3.87			79
1090	SIZE 450 CFM QUIET 100 PSI 152 HP D	48,623	16.81		2.84	5.48	5.72			89
1095	SIZE 600 CFM QUIET 100 PSI 175 HP D	65,393	21.18		3.83	7.39	6.58			97
1100	SIZE 750 CFM QUIET 100 PSI 228 HP D	75,944	25.80		4.45	8.60	8.58			128
1105	SIZE 825 CFM QUIET 100 PSI 250 HP D	86,299	28.87		5.06	9.73	9.40			130
1110	SIZE 900 CFM QUIET 100 PSI 270 HP D	94,602	31.45		5.55	10.72	10.16			148
1115	SIZE 1000 CFM QUIET 100 PSI 283 HP D	105,901	34.29		6.22	12.02	10.65			186
1120	SIZE 1200 CFM QUIET 100 PSI 325 HP D	126,480	40.32		7.43	14.37	12.23			196
1125	SIZE 1600 CFM QUIET 100 PSI 456 HP D	142,957	49.84		8.39	16.23	17.15			216

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
	AIR EQUIPMENT ********** (HOSE NOT INCLUDED) CLEMCO - SANDBLASTERS									
1140	SCW-1042P SANDBLASTER 1/2" HOSE 101CFM A CAP. 100 LBS. W/ACC. AND 25' HOSE	1,438	1.02		0.13	0.34	0.00			3
1145	SCW-1440P SANDBLASTER 1" HOSE 101CFM A CAP. 150 LBS W/ACC. AND 50' HOSE	2,681	1.87		0.25	0.65	0.00			5
1150	SCWB-1648P SANDBLASTER 1" HOSE 101CFM A CAP. 300 LBS. W/ACC. AND 50' HOSE	2,715	1.89		0.26	0.66	0.00			5
1155	SCWB-2452HPSANDBLASTER 1-1/4" HOS 216CFM A CAP. 600 LBS. W/ACC. AND 50' HOSE	3,020	2.18		0.29	0.74	0.00			7
1160	SCH-3079 SANDBLASTER 1-1/4" PIPE 216CFM A CAP. 1400 LBS W/HOPPER & 50' HOSE	4,014	2.84		0.38	0.97	0.00			9
1165	MOD 60-H SANDBLASTER 1-1/4" PIPE 450CFM A CAP. 3-TONS W/2 NOZZ. & 50' HOSE	11,678	8.03		1.09	2.77	0.00			28
1170	MOD 120-H SANDBLASTER 1-1/4" PIPE 700CFM A CAP. 6-TONS W/3 NOZZ. & 50' HOSE	14,224	9.67		1.30	3.29	0.00			45
1175	MOD 160-H SANDBLASTER 1-1/4" PIPE 900CFM A CAP. 8-TONS W/4 NOZZ. & 50' HOSE	17,653	12.08		1.62	4.11	0.00			53
	GARDNER DENVER - TOOLS									
1185	SPADER SP27E 32CFM A	1,012	0.75		0.10	0.25	0.00			1
1190	SINKER DRILL S58 98CFM A	2,210	1.61		0.21	0.54	0.00			1
1195	PAVING BREAKER B37 41CFM A	1,038	0.77		0.10	0.26	0.00			1
1200	PAVING BREAKER B67C 46CFM A	1,112	0.81		0.11	0.27	0.00			1
1205	PAVING BREAKER B87C 50CFM A	1,209	0.87		0.11	0.29	0.00			1
1210	FEED LEG DRILL S83P-54" TRAVEL 103CFM A RETRACTABLE FL-7	3,056	2.86		0.38	0.98	0.00			1
	MASTER - CONCRETE VIBRATORS									
1220	CONCRETE VIBR. MOD A-600SH 6" 125CFM A	1,964	2.05		0.19	0.48	0.00			1
1225	CONCRETE VIBR. MOD A-450SH 4.5" 110CFM A	1,266	1.35		0.12	0.31	0.00			1
1230	CONCRETE VIBR. MOD A-35010 3.5" 82CFM A	1,137	1.19		0.11	0.27	0.00			1
1235	CONCRETE VIBR. MOD A-30010 3" 64CFM A	1,027	1.07		0.10	0.25	0.00			1
1240	CONCRETE VIBR. MOD A-25010 2.5" 40CFM A	807	0.84		0.08	0.20	0.00			1

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ASPHALT DISTRIBUTOR - ROSCO ********** (NO CHASSIS)									
1250	MOD RES 1000 GAL. TRUCK MOUNTED 45 HP G 18,000 TO 24,000 GVW REQUIRED	26,205	10.36		1.55	3.12	3.65			[illegible]
1255	MOD RES 1500 GAL. TRUCK MOUNTED 45 HP G 24,000 TO 32,000 GVW REQUIRED	27,085	10.55		1.59	3.22	3.65			[illegible]
1260	MOD RES 2000 GAL. TRUCK MOUNTED 45 HP G 32,000 GVW REQUIRED	28,999	10.96		1.71	3.46	3.65			[illegible]
1265	MOD RES 3000 GAL. TRUCK MOUNTED 45 HP G 42,000 GVW REQUIRED	32,575	11.71		1.92	3.83	3.65			[illegible]
	ASPHALT FINISHERS ********** SPW=STANDARD PAVING WIDTH									
	BARBER-GREENE									
1275	MOD SB111 8' SPW (PNEUMATIC) 70 HP D	94,329	23.92		5.52	11.08	2.63			[illegible]
1280	MOD SB131 10' SPW (PNEUMATIC) 95 HP D W/VIB SCREED, AUTO. FEEDERS AND GR CONTROL	149,270	37.17		8.71	17.42	3.57			[illegible]
1285	MOD SB140 10' SPW (PNEUMATIC) 130 HP D OPTIONS SAME AS MOD SB131	165,768	42.47		9.68	19.40	4.39			[illegible]
1290	MOD SA150 10' SPW (CRAWLER) 130 HP D OPTIONS SAME AS MOD SB131	197,340	49.09		11.63	23.50	4.39			[illegible]
	BLAW-KNOX									
1300	MOD PF-22 5'SPW (PNEUMATIC) 22 HP D	48,130	11.58		2.80	5.59	0.83			[illegible]
1305	MOD PF-35 6'SPW (PNEUMATIC) 56 HP D	75,410	19.15		3.41	8.84	2.11			[illegible]
1310	MOD PF-115 8'SPW (PNEUMATIC) 58 HP D	104,874	25.67		6.13	12.29	2.18			[illegible]
1315	MOD PF-120H 8'SPW (PNEUMATIC) 87 HP D	130,559	32.73		7.60	15.19	3.27			[illegible]
1320	MOD PF-180H 10'SPW (PNEUMATIC) 88 HP D	152,866	37.66		8.90	17.77	3.3[illegible]			[illegible]
1325	MOD PF-220 12'SPW (PNEUMATIC) 157 HP D	202,019	51.78		11.76	23.48	5.91			337
1330	MOD PF-400 8'SPW (CRAWLER) 76 HP D	143,925	34.89		8.48	17.13	2.85			230
1335	MOD PF-500 10'SPW (CRAWLER) 110 HP D	171,893	42.61		10.13	20.47	4.14			[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
	ASPHALT KETTLES - ROSCO **********									
1345	MOD KB 110 GAL. TRAILER MOUNTED	3,784	1.92		0.24	0.51	0.00			13
1350	MOD KD 225 GAL. TRAILER MOUNTED	4,404	2.19		0.29	0.60	0.00			16
	ASPHALT RECYCLER - BOMAG **********									
1360	MOD AR-6 TRAILER MOUNTED 8 HP G	10,289	1.99		0.66	1.41	0.65			21
	BROOMS - M-B **********									
1370	MOD 53T HYD 7 FT. TOWED MECH DRIVE W/SPRINKLER	6,519	1.52		0.38	0.73	0.00			24
1375	MOD 53-M 7 FT. TOWED 21 HP G MOTOR DRIVEN W/SPRINKLER	8,437	3.85		0.49	0.95	1.70			30
1380	MOD MT 7 FT. TRACTOR MOUNTED PTO DRIVE W/SPRINKLER	2,853	0.77		0.17	0.33	0.00			13
1385	MOD HT 7 FT. TRACTOR MOUNTED HYD DRIVE W/SPRINKLER	4,413	1.04		0.26	0.51	0.00			14
	BRUSH CHIPPERS - FMC **********									
1395	MOD C-16S SKID-MTD 16" DIA.LOG 150 HP G	11,797	13.73		0.69	1.30	8.49			41
1400	MOD C-16T TRAILER-MTD 16" DIA.LOG 150 HP G	12,911	13.97		0.76	1.40	8.49			45
	BUCKETS, CLAMSHELL **********									
	ESCO - MODEL GPS GENERAL PURPOSE & SQUARE NOSE									
1410	.75 C.Y.	9,852	1.96	2.50	0.58	1.21	0.00	1.43	0.00	33
1415	1.0 C.Y.	11,547	2.28	2.93	0.68	1.41	0.00	1.68	0.00	43
1420	1.5 C.Y.	16,994	3.38	4.31	1.00	2.09	0.00	2.47	0.00	65
1425	2.0 C.Y.	19,212	3.81	4.87	1.13	2.36	0.00	2.79	0.00	72
1430	2.5 C.Y.	25,038	4.96	6.35	1.47	3.07	0.00	3.64	0.00	94
1435	3.0 C.Y.	26,514	5.27	6.73	1.57	3.26	0.00	3.86	0.00	99
1440	3.5 C.Y.	27,213	5.40	6.89	1.60	3.34	0.00	3.95	0.00	110

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)									
1445	4.0 C.Y.	29,047	5.95	7.59	1.77	3.68	0.00	4.35	0.00	70
1450	4.5 C.Y.	32,398	6.43	8.20	1.91	3.98	0.00	4.70	0.00	[illegible]
1455	5.0 C.Y.	35,120	6.97	8.90	2.07	4.31	0.00	5.10	0.00	96
1460	5.5 C.Y.	37,906	7.53	9.61	2.24	4.66	0.00	[illegible]	0.00	[illegible]
1465	6.0 C.Y.	39,265	7.80	9.94	2.37	4.83	0.00	[illegible]	0.00	[illegible]
1470	6.5 C.Y.	42,442	8.43	10.75	[illegible]	5.22	0.00	6.16	0.00	[illegible]
1475	7.0 C.Y.	43,730	8.69	11.08	2.58	5.38	0.00	6.35	0.00	[illegible]
1480	7.5 C.Y.	45,375	9.01	11.51	2.68	5.58	0.00	6.60	0.00	[illegible]
	ESCO - MODEL HDS HEAVY DUTY & SQUARE NOSE									
1490	.75 C.Y.	10,317	2.05	2.62	0.61	1.27	0.00	1.50	0.00	35
1495	1.0 C.Y.	13,982	2.78	3.54	0.83	1.72	0.00	2.03	0.00	49
1500	1.5 C.Y.	20,353	4.05	5.16	1.21	2.51	0.00	2.96	0.00	71
1505	2.0 C.Y.	21,978	4.36	5.57	1.30	2.70	0.00	3.19	0.00	82
1510	2.5 C.Y.	27,940	5.54	7.08	1.65	3.43	0.00	4.06	0.00	105
1515	3.0 C.Y.	30,564	6.07	7.74	1.80	3.76	0.00	4.44	0.00	116
1520	3.5 C.Y.	32,976	6.55	8.36	1.94	4.05	0.00	4.79	0.00	126
1525	4.0 C.Y.	35,453	7.03	8.98	2.00	4.35	0.00	5.15	0.00	137
1530	4.5 C.Y.	38,059	7.55	9.64	2.24	4.67	0.00	5.53	0.00	147
1535	5.0 C.Y.	41,895	8.32	10.61	2.47	5.15	0.00	6.08	0.00	[illegible]
1540	5.5 C.Y.	44,201	8.78	11.20	2.60	5.43	0.00	6.42	0.00	[illegible]
1545	6.0 C.Y.	46,759	9.29	11.85	2.76	5.75	0.00	6.79	0.00	182
1550	6.5 C.Y.	48,769	9.69	12.36	2.88	6.00	0.00	7.09	0.00	193
1555	7.0 C.Y.	50,797	10.08	12.87	2.99	6.24	0.00	7.38	0.00	[illegible]
1560	7.5 C.Y.	52,811	10.49	13.38	3.12	6.49	0.00	7.67	0.00	[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
	BUCKETS, CLAMSHELL (CONT'D) **********									
	ESCO - MODEL XDS EXTRA HEAVY DUTY & SQUARE NOSE									
1570	.75 C.Y.	15,641	3.10	3.97	0.93	1.92	0.00	2.28	0.00	52
1575	1.0 C.Y.	15,999	3.17	4.06	0.94	1.96	0.00	2.33	0.00	53
1580	1.5 C.Y.	23,758	4.72	6.02	1.40	2.92	0.00	3.45	0.00	83
1585	2.0 C.Y.	28,738	5.70	7.28	1.69	3.53	0.00	4.17	0.00	103
1590	2.5 C.Y.	32,106	6.38	8.13	1.90	3.95	0.00	4.66	0.00	119
1595	3.0 C.Y.	34,924	6.93	8.85	2.06	4.29	0.00	5.07	0.00	135
1600	3.5 C.Y.	36,787	7.30	9.32	2.17	4.52	0.00	5.34	0.00	149
1605	4.0 C.Y.	38,966	7.74	9.87	2.30	4.79	0.00	5.66	0.00	158
1610	4.5 C.Y.	40,933	8.11	10.34	2.41	5.02	0.00	5.93	0.00	168
1615	5.0 C.Y.	43,798	8.69	11.10	2.58	5.38	0.00	6.36	0.00	181
1620	5.5 C.Y.	46,382	9.21	11.74	2.74	5.70	0.00	6.73	0.00	193
1625	6.0 C.Y.	48,759	9.68	12.36	2.87	5.99	0.00	7.09	0.00	203
1630	6.5 C.Y.	52,927	10.49	13.38	3.12	6.49	0.00	7.67	0.00	220
1635	7.0 C.Y.	54,444	10.81	13.80	3.21	6.69	0.00	7.91	0.00	230
1640	7.5 C.Y.	56,520	11.23	14.32	3.34	6.95	0.00	8.21	0.00	241
	BUCKETS, CONCRETE - GAR-BRO **********									
	GENERAL PURPOSE & MANUAL									
1650	433-G 1.0 C.Y.	1,496	0.29		0.09	0.18	0.00			6
1655	442-G 1.5 C.Y.	1,876	0.36		0.11	0.22	0.00			8
1660	462-G 2.0 C.Y.	2,447	0.48		0.14	0.29	0.00			11
1665	493-G 3.0 C.Y.	3,506	0.69		0.21	0.42	0.00			19
1670	4123-G 4.0 C.Y.	4,426	0.86		0.26	0.53	0.00			23

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	BUCKETS, CONCRETE - GAR-BRO (CONT'D) **********									
	LOW SLUMP - AIR OPERATED GATE									
1680	440-A 1.0 C.Y.	6,429	1.26		0.38	0.77	0.00			[illegible]
1685	450-A 1.5 C.Y.	6,703	1.31		0.40	0.80	0.00			1[illegible]
1690	460-A 2.0 C.Y.	6,969	1.36		0.41	0.83	0.00			[illegible]
1695	493-A 3.0 C.Y.	9,250	1.80		0.5[illegible]	1.10	0.00			[illegible]
1700	4139-A 4.0 C.Y.	9,686	1.89		0.[illegible]	1.15	0.00			
1705	4200-A 5.0 C.Y. DBL. COMPT.	13,973	2.72		0.[illegible]	1.66	0.00			
1710	4250-A 3.0 C.Y. DBL. COMPT.	16,670	3.25		0.[illegible]	1.99	0.00			[illegible]
	LAYDOWN - HEAVY DUTY - AIR GATE									
1720	425-A 1.0 C.Y.	7,386	1.44		0.44	0.88	0.00			[illegible]
1725	465-A 2.0 C.Y.	8,382	1.63		0.50	1.00	0.00			[illegible]
1730	495-A 3.0 C.Y.	9,611	1.87		0.56	1.14	0.00			[illegible]
1735	4125-A 4.0 C.Y.	10,737	2.09		0.64	1.28	0.00			[illegible]
1740	4155-A 5.0 C.Y.	12,597	2.45		0.74	1.50	0.00			90
	BUCKETS, DRAGLINE **********									
	HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED									
1755	.75 C.Y.	3,344	0.67	0.85	0.20	0.42	0.00	0.49	0.00	25
1760	1.0 C.Y.	3,967	0.73	1.00	0.24	0.49	0.00	0.57	0.00	28
1765	1.5 C.Y.	4,882	0.97	1.24	0.29	0.60	0.00	0.71	0.00	35
1770	2.0 C.Y.	5,780	1.15	1.46	0.34	0.71	0.00	0.84	0.00	35
1775	2.5 C.Y.	6,783	1.35	1.71	0.41	0.84	0.00	0.98	0.00	37
1780	3.0 C.Y.	8,366	1.65	2.11	0.49	1.02	0.00	1.21	0.00	46
1785	3.5 C.Y.	9,247	1.84	2.35	0.55	1.14	0.00	1.35	0.00	50
1790	4.0 C.Y.	11,303	2.25	2.86	0.67	1.39	0.00	1.64	0.00	63
1795	4.5 C.Y.	12,001	2.38	3.04	0.71	1.47	0.00	1.74	0.00	69
1800	5.0 C.Y.	14,501	2.89	3.68	0.86	1.79	0.00	2.11	0.00	85

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	BUCKETS, DRAGLINE (CONT'D) **********									
	HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED (CONT'D)									
1805	6.0 C.Y.	15,701	3.12	3.98	0.93	1.93	0.00	2.28	0.00	90
1810	7.0 C.Y.	17,191	3.42	4.35	1.02	2.12	0.00	2.50	0.00	101
1815	8.0 C.Y.	19,058	3.78	4.83	1.13	2.34	0.00	2.77	0.00	112
1820	9.0 C.Y.	21,999	4.37	5.57	1.30	2.71	0.00	3.19	0.00	128
1825	10.0 C.Y.	23,903	4.75	6.05	1.41	2.94	0.00	3.47	0.00	139
1830	12.0 C.Y.	29,340	5.82	7.44	1.73	3.60	0.00	4.27	0.00	166
1835	14.0 C.Y.	33,737	6.70	8.56	1.99	4.15	0.00	4.91	0.00	191
	HENDRIX - MODEL TS, MEDIUM WEIGHT									
1845	.75 C.Y.	3,892	0.77	0.98	0.23	0.48	0.00	0.56	0.00	17
1850	1.0 C.Y.	4,766	0.95	1.21	0.28	0.59	0.00	0.69	0.00	19
1855	1.5 C.Y.	5,921	1.17	1.50	0.35	0.72	0.00	0.86	0.00	23
1860	2.0 C.Y.	7,085	1.41	1.80	0.42	0.87	0.00	1.03	0.00	36
1865	2.5 C.Y.	8,162	1.63	2.07	0.49	1.01	0.00	1.19	0.00	41
1870	3.0 C.Y.	9,757	1.94	2.47	0.58	1.20	0.00	1.42	0.00	49
1875	3.5 C.Y.	10,776	2.15	2.73	0.64	1.33	0.00	1.57	0.00	54
1880	4.0 C.Y.	12,982	2.58	3.28	0.77	1.60	0.00	1.88	0.00	70
1885	4.5 C.Y.	13,860	2.75	3.52	0.82	1.70	0.00	2.02	0.00	72
1890	5.0 C.Y.	17,772	3.53	4.50	1.05	2.19	0.00	2.58	0.00	93
1895	6.0 C.Y.	18,364	3.65	4.66	1.08	2.26	0.00	2.67	0.00	96
1900	7.0 C.Y.	20,974	4.17	5.32	1.24	2.58	0.00	3.05	0.00	111
1905	8.0 C.Y.	23,091	4.59	5.85	1.36	2.84	0.00	3.35	0.00	122
1910	9.0 C.Y.	27,670	5.49	7.01	1.63	3.40	0.00	4.02	0.00	149
1915	10.0 C.Y.	29,468	5.85	7.47	1.74	3.62	0.00	4.28	0.00	159
1920	12.0 C.Y.	37,552	7.45	9.51	2.21	4.61	0.00	5.45	0.00	202
1925	14.0 C.Y.	41,815	8.30	10.60	2.46	5.14	0.00	6.08	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									
1935	2.75 C.Y.	15,567	3.10	3.94	0.92	1.92	0.00	2.26	0.00	[illegible]
1940	3.0 C.Y.	16,190	3.22	4.11	0.96	1.99	0.00	2.36	0.00	[illegible]
1945	3.5 C.Y.	18,131	3.60	4.59	1.07	2.23	0.00	2.63	0.00	[illegible]
1950	4.0 C.Y.	24,267	4.82	6.15	1.43	2.98	0.00	3.53	0.00	[illegible]
1955	4.5 C.Y.	27,131	5.38	6.87	1.60	3.33	0.00	3.94	0.00	[illegible]
1960	5.0 C.Y.	28,016	5.56	7.10	1.65	3.44	0.00	4.07	0.00	[illegible]
1965	6.0 C.Y.	29,999	5.96	7.60	1.77	3.69	0.00	4.36	0.00	[illegible]
1970	7.0 C.Y.	38,160	7.58	9.68	2.25	4.69	0.00	5.55	0.00	[illegible]
1975	8.0 C.Y.	39,248	7.80	9.94	2.32	4.83	0.00	5.70	0.00	[illegible]
1980	9.0 C.Y.	49,960	9.92	12.65	2.95	6.14	0.00	7.25	0.00	[illegible]
1985	10.0 C.Y.	51,370	10.20	13.01	3.03	6.31	0.00	7.46	0.00	243
1990	12.0 C.Y.	61,098	12.13	15.48	3.60	7.51	0.00	8.87	0.00	[illegible]
1995	14.0 C.Y.	64,546	12.81	16.36	3.81	7.93	0.00	9.38	0.00	[illegible]
	SAUERMAN - CRESCENT SCRAPER									
	WITH DRAGLINE CONVERSION KIT									
2005	SC-1050-K 1.0 C.Y.	10,315	2.05	2.62	0.61	1.27	0.00	1.50	0.00	[illegible]
2010	SC-1060-K 1.5 C.Y.	13,217	2.63	3.35	0.78	1.63	0.00	1.92	0.00	[illegible]
2015	SC-1070-K 2.0 C.Y.	18,098	3.59	4.59	1.07	2.22	0.00	2.63	0.00	[illegible]
2020	SC-1090-K 3.0 C.Y.	23,963	4.75	6.07	1.41	2.94	0.00	3.48	0.00	[illegible]
2025	SC-1100-K 4.0 C.Y.	35,782	7.11	9.06	2.11	4.40	0.00	5.19	0.00	[illegible]
2030	SC-1110-K 5.0 C.Y.	40,817	8.11	10.34	2.41	5.02	0.00	5.93	0.00	[illegible]
2035	SC-1120-K 6.0 C.Y.	49,452	9.82	12.53	2.92	6.08	0.00	7.18	0.00	[illegible]
2040	SC-1130-K 8.0 C.Y.	60,125	11.94	15.24	3.54	7.39	0.00	8.74	0.00	88
2045	SC-1140-K 10.0 C.Y.	72,944	14.48	18.48	4.30	8.96	0.00	10.59	0.00	[illegible]
2050	SC-1150-K 12.0 C.Y.	84,695	16.82	21.47	5.00	10.41	0.00	12.31	0.00	132

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	COMPACTORS, MANUALLY OPERATED **********									
2060	UR-12 INGERSOLL-RAND RAMMER 3 HP G	1,579	1.03		0.13	0.29	0.34			1
2065	GVR75Y WACKER RAMMER 3 HP G	1,824	0.90		0.10	0.23	0.34			1
2070	GVR100 WACKER RAMMER 5 HP G	1,795	1.34		0.13	0.31	0.56			1
2075	GVR151Y WACKER RAMMER 5 HP G	2,328	1.55		0.18	0.41	0.56			2
2080	GVR220Y WACKER RAMMER 6 HP G	3,004	1.94		0.23	0.53	0.67			2
2085	VPG160B WACKER VIBRO PLATE 3 HP G	1,173	0.85		0.09	0.20	0.34			2
2090	VPG260K WACKER VIBRO PLATE 7 HP G	1,835	1.54		0.14	0.32	0.78			3
2095	BT-50 BOMAG TAMPING 4 HP G	1,744	1.20		0.13	0.30	0.45			1
2100	BT-70 BOMAG TAMPING 4 HP G	2,180	1.36		0.16	0.38	0.45			2
2105	BP-11K BOMAG VIBRO PLATE 4 HP G	1,509	1.11		0.11	0.26	0.45			3
2110	BP-19/75 BOMAG VIBRO PLATE 5 HP D	3,111	1.46		0.23	0.54	0.26			4
2115	BP-30 BOMAG VIBRO PLATE 5 HP D	5,322	2.26		0.40	0.92	0.26			5
2120	BP-50 BOMAG VIBRO PLATE 5 HP D	9,301	3.73		0.70	1.62	0.26			9
2125	BW-75E BOMAG WALK BEHIND S/D 5 HP D	7,218	2.96		0.54	1.25	0.26			10
2130	BW-35 BOMAG WALK BEHIND D/D 4 HP D	8,953	3.53		0.67	1.55	0.21			11
2135	BW-60SE BOMAG D/D ROLLER 8 HP D	12,441	5.07		0.93	2.16	0.42			20
2140	BW-90SE BOMAG D/D ROLLER 13 HP D	15,469	6.50		1.16	2.69	0.68			30
2145	VPG600 WACKER VIBRO PLATE 9 HP G	3,462	2.52		0.26	0.60	1.01			7
2150	DPS2350 WACKER VIBRO PLATE 7 HP D	3,632	1.79		0.27	0.63	0.37			4
2155	DPS4570 WACKER VIBRO PLATE 10 HP D	5,842	2.78		0.43	1.01	0.52			8
2160	DVU4001 WACKER VIBRO PLATE 10 HP D	11,928	5.01		0.89	2.07	0.52			13
2165	W 55 T WACKER D/D ROLLER 8 HP D	11,513	4.73		0.86	2.00	0.42			17
2170	W 74 T WACKER D/D ROLLER 8 HP D	12,988	5.27		0.97	2.25	0.42			19
	CONCRETE BUGGIES - AEROIL **********									
2180	5 CF WALK-BEHIND 5 HP G	1,588	1.10		0.12	0.28	0.44			3

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CONCRETE FINISHERS - BOMAG **********									
2190	MOD F4634 GYRO TROWEL 7 HP G	1,433	1.30		0.11	0.26	0.61			2
2195	MOD BF2B4 DOUBLTROWEL 16 HP G	5,831	3.77		0.44	1.02	1.40			7
2200	MOD BF3B3 TRIPLTROWEL 16 HP G	7,584	4.34		0.57	1.32	1.40			9
	CONCRETE MIXERS **********									
2210	PORTABLE CONCRETE MIXER 2.5 CF 1 HP E	673	0.30		0.05	0.10	0.06			2
2215	PORTABLE CONCRETE MIXER 3.5 CF 1 HP E	699	0.30		0.05	0.10	0.06			3
2220	PORTABLE CONCRETE MIXER 6.0 CF 7 HP G	2,078	1.48		0.16	0.36	0.61			7
2225	PORTABLE MORTAR MIXER 6.0 CF 7 HP G	1,669	1.34		0.12	0.27	0.61			6
	CONCRETE PAVERS **********									
	CMI									
2235	MOD SF - 175 SLIPFORM PAVER CURBS, MEDIANS, AND SIDEWALKS 142 HP D	134,877	36.11		7.95	16.06	5.34			173
2240	MOD SF - 250 26' WIDE SLIPFORM UNIT, 0-80 FT/MIN, CRAWLER MTD. 208 HP D	237,998	61.66		14.02	28.34	7.82			470
2245	MOD SUBURBAN 26' WIDE SLIPFORM UNIT, 0-60 FT/MIN, CRAWLER MTD. 250 HP D	419,145	102.98		24.69	49.90	9.40			720
	BOMAGO									
2255	MOD C-650 24' WIDE FORM PAVER W/4' FINISHING CYLINDERS 65 HP G	27,883	13.03		1.64	3.30	5.28			61
2260	MOD HW-165 16'-6" WIDE SLIPFORM UNIT, AUTO VIBRATORS, CRLR MTD 100 HP D	122,886	31.48		7.24	14.63	3.76			240
	CONCRETE PLACERS, SHOTCRETE **********									
	ALLENTOWN									
2270	R450 PNEUM. GUN N-1 3-4 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 365 CFM COMP. 12 HP D	24,404	7.27		1.56	3.22	0.67			45
2275	R900 PNEUM. GUN N-2 6-10 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 600 CFM COMP. 20 HP D	27,234	8.59		1.75	3.62	1.11			60

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CONCRETE PLACERS, SHOTCRETE (CONT'D) **********									
	ALLENTOWN (CONT'D)									
2280	GM27 ROTARY GUN 1-4 CY/HR 400CFM A INCL. HOSE,REQ. 400 CFM COMP.	10,078	2.85		0.65	1.35	0.00			15
2285	GM57 ROTARY GUN 4-12 CY/HR 600CFM A INCL. HOSE,REQ. 600 CFM COMP.	16,242	4.58		1.05	2.17	0.00			30
	CHALLENGE SQUEEZ-CRETE									
2295	250-D FOR WET SHOTCRETE 25 CY/HR 62 HP D TRAILER MOUNTED INCL. HOSE	43,726	15.91		2.82	5.83	3.44			70
	CONCRETE PUMPS **********									
	MORGEN									
2305	MOD 204-305 TRAILER MTD 60 CY/HR 110 HP D	55,601	22.43		3.58	7.41	6.10			70
2310	MOD 203-420 BOOM 72'-VT 120 CY/HR 210 HP D INCLUDES 24500 GVW TRUCK	141,831	54.52		9.10	18.83	13.41			255
	SCHWING									
2320	MOD BPA 350 TRAILER MTD 60 CY/HR 67 HP D	49,253	17.70		3.16	6.56	3.71			66
2325	MOD BPA 650 TRAILER MTD 60 CY/HR 152 HP D	77,004	31.02		4.94	10.20	8.43			98
2330	MOD BPA 901 TRAILER MTD 135 CY/HR 152 HP D	79,099	31.58		5.07	10.48	8.43			98
2335	MOD BPL 580 TRUCK MTD 72 CY/HR 175 HP D INCLUDING TRUCK AND 75' BOOM	149,788	53.78		9.57	19.71	11.17			302
2340	MOD BPL 801 TRUCK MTD 107 CY/HR 175 HP D INCLUDING TRUCK AND 92' BOOM	217,577	71.61		13.93	28.75	11.17			321
2345	MOD BPL1201 TRUCK MTD 147 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM	271,941	91.17		17.40	35.91	15.26			403
2350	MOD BPL3000 TRUCK MTD 118 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM	275,081	91.99		17.60	36.33	15.26			403

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	"CW"
	CONRETE SAWS ********** FELKER (SAWBLADE WEAR NOT INCLUDED)									
2360	MOD 8KCC 5" DEPTH OF CUT 8 HP G	1,291	1.54		0.08	0.18	0.90			3
2365	MOD 12WCC 5" DEPTH OF CUT 12 HP G	1,482	2.17		0.10	0.21	1.34			3
2370	MOD 14TCC 5" DEPTH OF CUT 14 HP G	1,535	2.48		0.10	0.21	1.57			3
2375	MOD 140MB 8" DEPTH OF CUT 14 HP G	3,497	3.01		0.23	0.49	1.57			6
2380	MOD 185MB 8" DEPTH OF CUT 18 HP G	4,616	3.90		0.31	0.65	2.01			7
2385	MOD 250MB 8" DEPTH OF CUT 23 HP G	4,687	4.65		0.31	0.65	2.57			7
2390	MOD 30MCA 10" DEPTH OF CUT 30 HP G	7,779	6.52		0.50	1.08	3.36			12
2395	MOD 665MCA 15" DEPTH OF CUT 65 HP G	9,515	12.16		0.62	1.32	7.28			[illegible]
	CRANES, SHOVEL,BACKHOE,DRAGLINE ********** AMERICAN - CRAWLER TYPE									
	MOD 4120 DRAGLINE 1 CY 93 HP D 13'-7" CRAWLERS W/28" SHOES									
2405	DRAGLINE OR CLAMSHELL (LESS BUCKET)	185,724	35.07	43.13	10.20	19.33	2.76	21.96	3.50	633
	MOD 597-C 1.25 CY T/C 114 HP D 14'-7" CRAWLERS W/32" SHOES									
2410	DRAGLINE OR CLAMSHELL (LESS BUCKET)	251,796	42.21	50.00	12.84	22.81	3.39	23.95	4.29	814
2415	CRANE 35-T W/65' BOOM	259,546	38.61	44.73	13.24	23.51	2.71	25.72	3.50	803
	MOD 599-A LIFTING CRANE T/C 114 HP D 16'-0" CRAWLERS W/32" SHOES									
2425	CRANE 40-T W/75' BOOM	275,051	40.72	47.16	11.03	24.01	2.71	27.26	3.50	962
	MOD 5299-A LIFTING CRANE T/C 114 HP D 17'-6" CRAWLERS W/32" SHOES									
2435	CRANE 50-T W/75' BOOM	291,110	42.91	49.66	14.84	26.36	2.71	28.84	3.50	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	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									
2445	DRAGLINE OR CLAMSHELL (LESS BUCKET)	350,946	59.14	70.10	17.90	31.79	4.99	34.78	6.32	1279
2450	CRANE 40-T W/75' BOOM	343,801	51.62	59.86	17.54	31.14	3.99	34.06	5.16	1252
	MOD 7250 STEEL ERECTOR T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES									
2460	CRANE 60-T W/80' BOOM	366,608	50.88	57.73	17.73	29.82	3.99	31.94	5.16	1421
	MOD 7260 LIFTING CRANE T/C 168 HP D 19'-6" CRAWLERS W/38" SHOES									
2470	CRANE 100T W/200' BOOM	466,827	63.50	71.84	22.57	37.97	3.99	40.66	5.16	1386
	MOD 999-C STEEL ERECTOR T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES									
2480	CRANE 110-T W/200' BOOM	614,878	85.48	97.01	29.73	50.01	6.82	53.56	8.81	2792
	MOD 9260 4.5 CY T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES									
2490	CRANE 125T W/270' BOOM	642,399	88.94	100.89	31.06	52.25	6.82	55.96	8.81	3150
2495	DRAGLINE OR CLAMSHELL (LESS BUCKET)	615,757	94.49	109.34	30.17	49.14	8.52	52.47	10.80	2950
	MOD 9270 LIFT CR TAPERED TIP T/C 287 HP D 23'-9" CRAWLERS W/44" SHOES									
2505	CRANE 150T W/280' BOOM	728,931	99.84	113.07	35.25	59.29	6.82	63.49	8.81	3400
	MOD 9299 LIFTING CRANE T/C 287 HP D 24'-11" CRAWLERS W/44" SHOES									
2515	CRANE 165T W/290' BOOM	758,509	100.11	112.01	36.24	57.27	6.82	60.54	8.81	3580
	MOD 9310 LIFTING CRANE T/C 287 HP D 28'-2" CRAWLERS W/50" SHOES									
2525	CRANE 225T W/280' BOOM	820,596	107.64	120.33	39.21	61.96	6.82	65.50	8.81	3990

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) **********									
	BUCYRUS ERIE - CRAWLER TYPE									
	MOD 25-B SER-3 HVY DUTY 1 CY 115 HP D 13'-11" CRAWLERS W/30" SHOES									
2540	DRAGLINE OR CLAMSHELL (LESS BUCKET)	194,775	37.40	46.02	10.70	20.34	3.42	23.08	4.33	[illegible]
2545	CRANE 28-T W/50' BOOM	205,815	31.30	36.36	10.50	13.64	2.73	20.33	3.23	[illegible]
	MOD 30-B SER 5 HVY DUTY 1.5 CY 144 HP D 14'-7" CRAWLERS W/36" SHOES									
2555	BACKHOE	267,026	61.96	79.30	15.73	31.58	4.39	37.12	5.56	[illegible]
2560	DRAGLINE OR CLAMSHELL (LESS BUCKET)	262,167	44.82	53.19	13.37	23.74	4.28	25.98	5.42	[illegible]
2565	CRANE 35-T W/60' BOOM	263,439	39.98	46.42	13.44	23.86	3.42	26.10	4.42	[illegible]
	MOD 38-B SER 2 HVY DUTY 2 CY T/C 178 HP D 17'-5" CRAWLERS W/36" SHOES									
2575	SHOVEL	372,639	85.53	109.45	21.35	44.07	6.17	51.81	8.11	[illegible]
2580	DRAGLINE OR CLAMSHELL (LESS BUCKET)	378,527	63.67	75.47	19.30	34.28	5.29	37.51	6.70	1102
	MOD 61-B SER 2 3.25 CY T/C 205 HP D 15'-11" CRAWLERS W/33" SHOES									
2590	SHOVEL	540,136	112.87	138.96	29.56	58.04	7.10	66.01	9.34	[illegible]
2595	BACKHOE	517,290	108.45	133.55	28.31	55.59	7.10	63.22	9.34	[illegible]
2600	DRAGLINE OR CLAMSHELL (LESS BUCKET)	522,596	78.86	91.08	25.61	41.71	6.09	41.53	7.71	1570
2605	CRANE 51-T W/70' BOOM	514,432	70.53	79.88	24.88	41.84	4.87	44.81	6.29	1571
	MOD 61-B SER-2 110-T 4 CY T/C 243 HP D 20'-6" CRAWLERS W/42" SHOES									
2615	CRANE 110T W/160' BOOM	640,588	87.48	99.03	30.98	52.11	5.77	55.80	7.46	2123
2620	DRAGLINE OR CLAMSHELL (LESS BUCKET)	611,426	92.38	106.70	29.97	48.81	7.22	52.10	9.14	1973
	MOD 71-B SER 3 4.25 CY T/C 246 HP D 16'-10" CRAWLERS W/36" SHOES									
2630	SHOVEL	653,709	136.51	168.06	35.78	70.25	8.52	79.89	11.20	2096
2635	BACKHOE	618,927	129.77	159.82	33.87	66.50	8.52	75.64	11.20	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									
2640	DRAGLINE OR CLAMSHELL (LESS BUCKET)	601,241	91.09	105.23	29.47	47.99	7.31	51.23	9.25	1768
	MOD 88-B SER 4 5.5 CY T/C 365 HP D 17'-10" CRAWLERS W/36" SHOES									
2650	SHOVEL	911,936	185.46	213.45	47.17	88.38	12.65	97.99	16.62	2822
2655	DRAGLINE OR CLAMSHELL (LESS BUCKET)	736,474	110.62	126.58	35.19	55.61	10.84	58.78	13.73	2274
	LINK BELT - CRAWLER TYPE									
	MOD LS-98A LIFTING CRANE T/C 110 HP D 15'-1" CRAWLERS W/24" SHOES									
2670	CRANE 40-T W/50' BOOM	200,351	30.41	35.33	10.21	18.14	2.61	19.85	3.38	772
	MOD LS-118 LIFTING CRANE T/C 165 HP D 17'-0" CRAWLERS W/30" SHOES									
2680	CRANE 60-T W/80' BOOM	305,438	43.09	49.00	14.77	24.84	3.92	26.61	5.06	1232
	MOD LS-338 LIFTING CRANE T/C 170 HP D 20'-0" CRAWLERS W/38" SHOES									
2690	CRANE 100-T W/200' BOOM	420,574	57.72	65.40	20.33	34.20	4.04	36.64	5.22	1512
	MOD LS-518 LIFTING CRANE T/C 245 HP D 24'-4" CRAWLERS W-44" SHOES									
2700	CRANE 150-T W/250' BOOM	672,507	91.56	103.59	32.52	54.70	5.82	58.58	7.52	2712
	MANITOWOC - CRAWLER TYPE									
	MOD 3900 VICON 3.5 CY T/C 287 HP D 20'-4" CRAWLERS W/38" SHOES									
2715	DRAGLINE OR CLAMSHELL (LESS BUCKET)	441,534	70.60	82.00	21.64	35.24	8.52	37.62	10.80	2306
2720	CRANE 100T W/210' BOOM	477,719	68.21	77.69	23.10	38.86	6.82	41.61	8.81	2354

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, SHOVEL,B/H,DRAGLINE (CONT'D) **********									
	MANITOWOC - CRAWLER TYPE (CONT'D)									
	MOD 3900W VICON SER2 4 CY T/C 333 HP D 24'-0" CRAWLERS W/48" SHOES									
2730	DRAGLINE OR CLAMSHELL (LESS BUCKET)	561,844	88.73	102.91	27.54	44.85	9.89	47.87	12.53	2763
2735	CRANE 140T W/250' BOOM	569,085	80.99	92.22	27.52	46.29	7.91	49.57	10.22	2813
	MOD 4100W VICON SER1 5 CY T/C 360 HP D 26'-6" CRAWLERS W/48" SHOES									
2745	DRAGLINE OR CLAMSHELL (LESS BUCKET)	747,582	115.14	133.25	36.64	59.67	10.69	63.70	13.54	3738
2750	CRANE 200T W/260' BOOM	756,838	101.94	114.43	36.16	57.14	8.55	60.41	11.05	3929
	MOD 4600 VICON SERIES 1 7 CY T/C 685 HP D 26'-1" CRAWLERS W/60" SHOES									
2760	CRANE 240T W/260' BOOM	1,161,322	160.16	180.38	55.49	87.69	16.28	92.70	21.02	5095
2765	DRAGLINE OR CLAMSHELL (LESS BUCKET)	1,182,882	181.12	207.70	56.51	89.31	20.34	94.41	25.77	5083
	NORTHWEST - CRAWLER TYPE									
	MOD 50-D 1.5 CY T/C 238 HP D 15'-4" CRAWLERS W/30" SHOES									
2780	DRAGLINE OR CLAMSHELL (LESS BUCKET)	263,026	48.24	57.50	13.41	23.82	7.07	26.06	8.95	954
2785	CRANE 45-T W/60' BOOM	260,094	42.15	49.30	13.26	23.55	5.65	25.78	7.30	947
	MOD 80-D 2.5 CY T/C 263 HP D 15'-10" CRAWLERS W/30" SHOES									
2795	SHOVEL	442,618	103.69	132.76	26.07	52.34	9.11	61.53	11.98	1510
2800	DRAGLINE OR CLAMSHELL (LESS BUCKET)	379,747	66.83	79.44	19.36	34.39	7.81	37.63	9.89	1274
2805	CRANE 40-T W/50' BOOM	375,694	53.62	68.28	19.16	34.02	6.25	37.22	8.07	1267
	MOD 9570 4.0 CY T/C 263 HP D 19'-0" CRAWLERS W/38" SHOES									
2815	DRAGLINE OR CLAMSHELL (LESS BUCKET)	474,501	74.29	86.10	23.25	37.87	7.81	40.43	9.89	1580
2820	CRANE 60-T W/50' BOOM	470,398	66.61	75.77	22.75	38.27	6.25	40.97	8.07	1565

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) **********									
	NORTHWEST - CRAWLER TYPE (CONT'D)									
	MOD 180-D SERIES 2 5 CY T/C 358 HP D 18'-1" CRAWLERS W/36" SHOES									
2830	SHOVEL	732,582	156.35	192.75	40.10	78.73	12.40	89.53	16.30	2571
2835	DRAGLINE OR CLAMSHELL (LESS BUCKET)	660,304	103.09	119.48	32.36	52.70	10.63	56.27	13.47	2365
2840	CRANE 97.5-T W/170' BOOM	683,718	96.15	109.27	33.07	55.62	8.51	59.55	10.99	2464
	MOD 190-D WT SERIES 3 T/C 430 HP D 21'-1" CRAWLERS W/54" SHOES									
2850	DRAGLINE 6.5 CY (LESS BUCKET)	696,732	107.62	123.52	33.29	52.61	12.77	55.61	16.19	2740
2855	CRANE 100-T W/170' BOOM	740,443	105.31	119.88	35.81	60.23	10.22	64.50	13.20	2872
	P & H - CRAWLER TYPE									
	MOD 5060 1.75 CY T/C 140 HP D 19'-8" CRAWLERS W/30" SHOES									
2870	DRAGLINE (LESS BUCKET)	303,454	50.95	60.38	15.47	27.48	4.16	30.07	5.27	989
2875	CRANE 60-T W/80' BOOM	309,244	42.87	48.63	14.95	25.15	3.33	26.94	4.30	1157
	MOD 670WLC 2 CY T/C 198 HP D 18'-6" CRAWLERS W/30" SHOES									
2885	DRAGLINE OR CLAMSHELL (LESS BUCKET)	379,115	64.46	76.44	19.33	34.34	5.88	37.56	7.45	1344
2890	CRANE 70-T W/150' BOOM	389,220	54.56	62.00	19.82	31.66	4.70	33.91	6.08	1466
	MOD 5100 3 CY T/C 236 HP D 21'-6" CRAWLERS W/36" SHOES									
2895	DRAGLINE OR CLAMSHELL (LESS BUCKET)	456,744	70.90	82.13	22.38	36.45	7.01	38.92	8.88	1775
2900	CRANE 100-T W/210' BOOM	473,197	66.21	75.19	22.88	38.49	5.61	41.22	7.24	1850
	MOD 5300A LIFTING CRANE T/C 378 HP D 32'-8" CRAWLERS W/48" SHOES									
2905	CRANE 300-T W/320' BOOM	1,417,908	182.69	203.64	67.75	107.06	8.98	113.18	11.60	5588

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, HYDRAULIC SELF-PROPELLED **********									
	GROVE									
2915	MOD RT58A 14 TON 112 HP D	110,463	21.13		5.47	9.38	4.21			410
2920	MOD RT515 15 TON 115 HP D	118,375	22.37		5.86	10.07	4.33			418
2925	MOD RT518 18 TON 115 HP D	132,679	24.54		6.55	11.22	4.33			452
2930	MOD RT522 22 TON 115 HP D	145,225	26.30		7.18	12.31	4.33			498
2935	MOD RT625 25 TON 156 HP D	193,406	34.54		9.57	16.42	5.87			560
2940	MOD RT740 40 TON 170 HP D	268,033	46.71		13.22	22.61	6.40			758
2945	MOD RT755 55 TON 170 HP D	319,468	54.31		15.73	26.86	6.40			839
2950	MOD RT965 65 TON 208 HP D	393,472	66.46		19.42	33.23	7.82			1100
2955	MOD RT980 80 TON 230 HP D	507,776	84.37		25.01	42.70	8.65			1320
2960	MOD RT1650 165 TON 512 HP D	958,219	162.11		47.28	80.94	19.26			2400
	LORAIN									
2970	MOD LRT150 15 TON 120 HP D	114,342	21.82		5.68	9.81	4.51			438
2975	MOD LRT180 18 TON 120 HP D	121,936	22.86		6.06	10.47	4.51			450
2980	MOD LRT220 22 TON 120 HP D	130,383	24.02		6.49	11.21	4.51			468
	P & H									
2990	MOD OMEGA 15 15 TON 125 HP D	114,169	22.05		5.68	9.80	4.70			364
2995	MOD OMEGA 18 18 TON 125 HP D	117,369	22.49		5.84	10.08	4.70			370
3000	MOD OMEGA 20 20 TON 125 HP D	121,459	23.04		6.04	10.43	4.70			380
3005	MOD OMEGA 23 23 TON 125 HP D	138,637	25.66		6.97	11.82	4.70			425
3010	MOD OMEGA 25 25 TON 155 HP D	176,539	32.51		8.74	15.02	5.83			540
3015	MOD OMEGA 30 30 TON 155 HP D	181,731	33.23		9.00	15.48	5.83			550
3020	MOD OMEGA 35 35 TON 155 HP D	187,867	34.07		9.31	16.01	5.83			560
3025	MOD OMEGA 40 40 TON 202 HP D	251,502	45.99		12.40	21.18	7.60			760
3030	MOD OMEGA 45 45 TON 202 HP D	260,302	47.20		12.94	21.94	7.60			770
3035	MOD OMEGA 50 50 TON 202 HP D	269,971	48.52		13.32	22.78	7.60			780
3040	MOD OMEGA 65 65 TON 235 HP D	347,558	61.47		17.12	29.23	8.84			980

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, HYD SELF-PROPELLED (CONT'D) **********									
	PETTIBONE									
3050	MOD 16 MK P SERIES 8 TON 118 HP D	101,975	19.97		5.07	8.76	4.44			290
3055	MOD 20 MK P SERIES 10 TON 118 HP D	104,984	20.43		5.21	8.99	4.44			310
3060	MOD 25 MK P SERIES 12.5 TON 118 HP D	108,823	20.98		5.41	9.34	4.44			465
3065	MOD 36 MK P SERIES 18 TON 118 HP D	125,975	23.57		6.23	10.71	4.44			500
3070	MOD 100SC 50 TON 188 HP D	282,907	49.60		13.95	23.89	7.07			1050
	CRANES, HYDRAULIC TRUCK MOUNTED ********** (HP & FUEL LISTED EQUIP/CARRIER)									
	BUCYRUS ERIE									
3080	30-XC 30 TON W/80' BOOM 130/210 HP D/D	207,893	33.32	38.61	10.00	16.69	6.33	17.85	8.11	552
3085	60-XC 60 TON W/104' BOOM 197/238 HP D/D	359,122	54.94	63.47	17.30	28.94	9.04	30.98	11.65	783
	GROVE									
3095	TMS185 18 TON W/106' BOOM 172 HP D	194,244	33.46	39.77	9.86	17.42	6.47	19.05	8.51	442
3100	TMS300 35 TON W/112' BOOM 203 HP D	234,845	38.31	44.83	11.29	18.83	7.64	20.16	10.05	795
3105	TMS475 50 TON W/142' BOOM 213 HP D	292,229	45.64	53.12	14.07	23.50	8.01	25.15	10.54	776
3110	TM875 80 TON W/146' BOOM 196/268 HP D/D	433,185	63.88	73.01	20.22	32.60	9.21	34.53	11.84	1200
3115	TM1150 115 TON W/172' BOOM 196/315 HP D/D	666,129	91.51	103.57	31.17	50.47	9.53	53.48	12.22	1600
3120	TM1400 140 TON W/173' BOOM 318/387 HP D/D	782,592	110.35	124.80	35.78	56.33	14.61	59.21	18.83	1880
	LINK BELT (FMC)									
3130	HTC-25 25 TON W/95' BOOM 216 HP D	192,206	35.37	42.29	9.76	17.21	8.13	18.80	10.69	462
3135	HTC-35 35 TON W/108' BOOM 216 HP D	226,465	37.75	44.31	10.90	18.23	8.13	19.51	10.69	628
3140	HTC-50 50 TON W/122' BOOM 244 HP D	274,746	44.94	52.60	13.23	22.12	9.18	23.67	12.08	727
	PETTIBONE									
3150	50TKLSPC 25 TON W/98' BOOM 210 HP D	199,199	35.90	42.87	10.12	17.87	7.90	19.54	10.39	520
3155	80TKLS 40 TON W/112' BOOM 244 HP D	253,134	42.42	49.80	12.18	20.34	9.18	21.76	12.08	740
3160	110 TK P 55 TON W/114' BOOM 238 HP D	273,893	44.60	52.19	13.18	22.02	8.95	23.57	11.78	830

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, HYDRAULIC TRUCK MTD (CONT'D)									
	(HP & FUEL LISTED EQUIP/CARRIER)									
	PETTIBONE (CONT'D)									
3165	160TKLSPC80 TON W/118' BOOM 365 HP D	444,101	70.86	82.26	20.74	33.44	13.73	35.41	18.07	1395
	CRANES, TRUCK MOUNTED									
	(HP & FUEL LISTED EQUIP/CARRIER)									
	AMERICAN									
3175	5470 65 TON W/170' BOOM 115/238 HP D/D	372,879	53.16	60.79	17.91	29.86	5.95	31.95	7.59	1175
3180	5530 75 TON W/170' BOOM 115/238 HP D/D	384,328	53.52	60.62	17.98	29.07	5.95	30.79	7.59	1245
3185	7460 90 TON W/200' BOOM 213/230 HP D/D	471,788	68.32	77.95	22.09	35.78	9.59	37.91	12.38	1503
3190	7530 125 TON W/220' BOOM 213/350 HP D/D	539,706	77.60	88.32	25.26	40.87	10.41	43.30	13.34	1636
3195	8460 165 TON W/240' BOOM 268/350 HP D/D	754,808	103.69	116.81	34.57	54.57	12.48	57.37	16.06	2320
3200	9460 220 TON W/260' BOOM 287/450 HP D/D	1,015,377	137.27	154.21	46.39	72.92	13.87	76.64	17.80	3480
	LINK BELT (FMC)									
3210	HC108C 50 TON W/150' BOOM 110/238 HP D/D	317,044	46.25	53.01	15.22	25.32	5.77	27.08	7.34	1197
3215	HC218A 100 TON W/220' BOOM 165/318 HP D/D	520,084	72.56	82.24	24.35	39.43	8.38	41.78	10.71	1688
3220	HC238A 140 TON W/230' BOOM 171/318 HP D/D	587,028	79.59	89.38	26.86	42.33	8.61	44.50	11.00	2220
	LORAIN									
3230	MC550A 50 TON W/160' BOOM 115/246 HP D/D	341,333	49.45	56.67	16.39	27.29	6.01	29.21	7.66	1111
3235	MC670A 70 TON W/170' BOOM 150/250 HP D/D	392,023	56.17	63.92	18.33	29.65	7.35	31.42	9.42	1343
3240	MC790 90 TON W/220' BOOM 210/270 HP D/D	479,692	69.56	79.35	22.45	36.33	9.75	38.49	12.55	1594
3245	MC1400 140 TON W/230' BOOM 220/290 HP D/D	584,952	81.40	91.84	26.76	42.16	10.26	44.33	13.20	1950
	P & H									
3255	325TC 25 TON W/110' BOOM 83/190 HP D/D	238,953	36.75	42.88	12.13	21.42	4.42	23.43	5.62	645
3260	430ATC 35 TON W/150' BOOM 86/210 HP D/D	266,733	38.27	43.78	12.85	21.48	4.67	22.99	5.93	753
3265	440TC 40 TON W/170' BOOM 90/228 HP D/D	299,251	42.67	48.74	14.40	24.06	4.95	25.75	6.27	964
3270	650ATC 50 TON W/150' BOOM 135/236 HP D/D	385,155	55.56	63.67	18.51	30.86	6.69	33.02	8.57	1222

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)									
3275	670TC 70 TON W/180' BOOM 135/255 HP D/D	432,878	60.28	68.30	20.26	32.79	6.82	34.73	8.72	1440
3280	790BTC 90 TON W/200' BOOM 160/350 HP D/D	474,329	67.43	76.57	22.18	35.85	8.41	37.98	10.71	1606
3285	9115 125 TON W/220' BOOM 179/350 HP D/D	579,347	80.61	91.31	27.12	43.91	9.13	46.53	11.65	1709
3290	9150 150 TON W/270' BOOM 210/350 HP D/D	614,234	84.83	95.56	28.11	44.32	10.29	46.59	13.19	1805
3295	6250TC 300 TON W/320' BOOM 364/450 HP D/D	1,344,548	177.66	199.00	61.60	97.28	16.77	102.27	21.61	3928
	CRANES, TOWER									
	AMERICAN PECCO									
	MODEL SK135-2 FREE STANDING 60 HP E 7500# @ 132' RADIUS (L-2)									
3305	7-S16 TOWER SECTS=103 FT HIGH	273,229	47.89		13.39	21.80	4.86			740
	OPT. 14'9-1/4" S16 TOWER SECT									
3310	ADD TO BASIC CRANE FOR EA SECT	11,996	1.56		0.58	0.95	0.00			51
3315	TOP CLIMBING OPT. ADD TO BASIC	44,373	5.80		2.18	3.54	0.00			118
	MODEL SK200 FREE STANDING 105 HP E 10600# @ 143' RADIUS (L-2)									
3320	7-S16 TOWER SECTS=103 FT HIGH	343,474	62.55		16.84	27.42	8.50			883
	14'9-1/4" S16 TOWER SECTION									
3325	ADD TO BASIC CRANE FOR EA SECT	11,996	1.56		0.58	0.95	0.00			51
3330	TOP CLIMBING OPT. ADD TO BASIC	44,373	5.80		2.18	3.54	0.00			118
	MODEL SK400 FREE STANDING 105 HP E 18500# @ 162' RADIUS (L-2)									
3335	6-S35 TOWER SECTS=116 FT HIGH	420,268	72.59		20.60	33.54	8.50			1216
	OPT. 19'4-1/4" S35 TOWER SECT.									
3340	ADD TO BASIC CRANE FOR EA SECT	15,209	1.99		0.75	1.21	0.00			84

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, TOWER (CONT'D) **********									
	AMERICAN PECCO (CONT'D)									
	OPT. 19'4-1/4" S35 TOWER SECT.									
3345	TOP CLIMBING OPT. ADD TO BASIC	46,104	6.03		2.26	3.68	0.00			223
	MODEL SK560 FREE STANDING 165 HP E 24500# @ 170' RADIUS (L-2)									
3350	6-S213 TOWER SECTS=116 FT HIGH	486,656	88.56		23.85	38.84	13.36			1547
	OPT. 19'4-1/4" S213 TOWER SECT									
3355	ADD TO BASIC CRANE FOR EA SECT	16,236	2.13		0.80	1.30	0.00			100
3360	TOP CLIMBING OPT. ADD TO BASIC	87,147	11.40		4.28	6.96	0.00			252
	MODEL SN355 FREE STANDING 165 HP E 12300# @ 165' RADIUS (L-2) WITH LUFFING BOOM									
3365	6-SN35 TOWER SECTS=116 FT HIGH	514,898	92.26		25.24	41.10	13.36			2152
	OPT. 19'4-1/4" SN35 TOWER SECT									
3370	ADD TO BASIC CRANE FOR EA SECT	15,209	1.99		0.75	1.21	0.00			84
3375	TOP CLIMBING OPT. ADD TO BASIC	91,291	11.94		4.48	7.29	0.00			159
	DRILLS, BLAST HOLE, CRAWLER MTD **********									
	GARDNER DENVER									
3385	AT3100B/PR123J 3.0" HOLE 12' FEED 600CFM A	73,019	16.42		4.30	8.65	0.00			91
3390	AT3100B/PR55 3.5" HOLE 12' FEED 750CFM A	67,067	15.28		3.95	7.95	0.00			93
3395	AT3100B/PR66 4.0" HOLE 12' FEED 900CFM A	76,305	17.48		4.50	9.04	0.00			95
3400	AT3700A/PR66 ANGLE DRILL 900CFM A 4.0" HOLE 12' FEED	90,321	20.57		5.32	10.70	0.00			146
3405	ATD5100/PR80H ANGLE DRILL 1200CFM A 4.5" HOLE 20' FEED	100,675	23.02		5.93	11.93	0.00			200

TABLE 3-1. HOURLY EQUIPMENT OWNERSHTP 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
	DRILLS, BLAST HOLE, CRLR MTD (CONT'D) **********									
	INGERSOLL-RAND									
3415	ECM350/VL140 4.0" HOLE 12' FEED 750CFM A	82,664	18.70		4.87	9.80	0.00			129
3420	ECM350/VL671 4.5" HOLE 12' FEED 900CFM A	90,063	20.48		5.31	10.67	0.00			131
3425	CM2000/VL170 5.0" HOLE 24' FEED1400CFM A	102,431	23.58		6.04	12.14	0.00			170
	JOY									
3435	RAM STD/VCR260 4.0" HOLE 12' FEED 800CFM A	73,695	16.78		4.34	8.73	0.00			100
3440	RAM EXT/VCR260 4.0" HOLE 12' FEED 800CFM A	83,938	19.05		4.95	9.95	0.00			144
3445	MUSTANG VCR280 5" HOLE 23' FEED1200CFM A	102,622	23.43		6.05	12.16	0.00			184
	DRILLS, CORE, AIR, COLUMN MOUNTED **********									
3455	LONGYEAR 24 WOLVERINE AX 700' 450CFM A	17,918	4.25		1.06	2.12	0.00			12
3460	LONGYEAR 65D EX 600' 400CFM A	11,471	2.84		0.68	1.36	0.00			3
3465	65D ROD PULLER 21" STROKE 400CFM A	1,712	0.63		0.11	0.21	0.00			1
	DRILLS, CORE, SKID MOUNTED **********									
	ACKER									
3475	TEREDO MARK-II NX 1000' MAX 44 HP D	27,226	8.53		1.60	3.22	2.05			40
3480	ACE MODEL C NX 725' MAX 20 HP D	19,131	5.37		1.13	2.27	0.93			45
	LONGYEAR									
3490	MOD 24 STD AX 675' MAX 12 HP G	17,110	5.16		1.01	2.03	1.20			17
3495	MOD 34 NX 1000' MAX 31 HP G	26,120	9.33		1.54	3.09	3.09			38
3500	MOD 34 NX 1000' MAX 40 HP D	31,085	9.16		1.83	3.68	1.86			39
3505	MOD 38 NX 1800' MAX 54 HP D	35,733	10.98		2.10	4.23	2.51			41
3510	MOD 44 NX 2500' MAX 60 HP D	42,930	12.92		2.53	5.09	2.79			56

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, CORE, SKID MOUNTED (CONT'D) **********									
	SPRAGUE AND HENWOOD									
3520	MOD 37-H NX 400' MAX 18 HP G	16,322	5.68		0.97	1.94	1.79			13
3525	MOD 40-CL NX 1050' MAX 49 HP D	25,218	8.38		1.48	2.98	2.28			27
	DRILLS, ROTARY **********									
	INGERSOLL-RAND									
3535	MOD T4-BH 7-7/8" DRILLMASTER TRK. MOUNTED 304 HP D	318,860	69.03		16.19	28.68	14.15			550
	JOY-ROBBINS									
3545	RRT 35 TK MTD 6-1/4" TO 7-7/8" 225 HP D	297,422	61.05		15.10	26.73	10.47			600
3550	RRT 50 TK MTD 6-3/4" TO 9-0" 335 HP D	452,533	92.32		22.98	40.69	15.59			960
3555	RRT 60 TK MTD 6-3/4" TO 9-7/8" 350 HP D	481,482	97.80		24.46	43.33	16.29			960
3560	RR10S CRLR MTD 6-3/4" TO 9-0" 410 HP D	344,946	73.35		17.58	31.28	19.08			1160
3565	RR10HD ON D9 6-3/4" TO 10-5/8" 410 HP D	381,361	84.13		19.44	34.58	19.08			1340
3570	RR10XHD ON D9 9-7/8" TO 12-1/4" 410 HP D	575,840	97.20		27.07	44.22	19.08			1330
3575	RR12E CRLR MTD 9-0" TO 12-1" 725/450 HP E/E	1,063,139	177.20		49.97	81.63	45.67			2605
	FORK LIFTS **********									
	CATERPILLAR									
	LC = LOAD CENTER									
3595	M20 ELECT 2000# @ 24" LC 18 HP E	16,343	5.38		0.96	1.90	1.46			54
3600	M25 ELECT 2500# @ 24" LC 18 HP E	16,429	5.40		0.96	1.91	1.46			54
3605	MC30 ELECT 3000# @ 24" LC 18 HP E	17,423	5.59		1.01	2.01	1.46			35
3610	M40B ELECT 4000# @ 24" LC 32 HP E	23,939	8.54		1.40	2.79	2.59			95
3615	M50B ELECT 5000# @ 24" LC 32 HP E	24,457	8.65		1.43	2.85	2.59			102
3620	MC60B ELECT 6000# @ 24" LC 47 HP E	26,990	10.91		1.58	3.15	3.81			123
3625	M70B ELECT 7000# @ 24" LC 53 HP E	33,334	12.87		1.94	3.86	4.29			134
3630	M80B ELECT 8000# @ 24" LC 53 HP E	34,986	13.19		2.05	4.07	4.29			142

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	%
	FORK LIFTS (CONT'D)									
	CATERPILLAR (CONT'D)									
3635	M100B ELECT 10000# @ 24" LC 53 HP E	36,887	13.56		2.16	4.31	1.29			[illegible]
3640	V30D GAS 3000# @ 24" LC 37 HP G	15,604	6.83		0.92	1.83	3.00			[illegible]
3645	V40C GAS 4000# @ 24" LC 48 HP G	20,716	8.98		1.21	2.39	3.90			[illegible]
3650	V50C GAS 5000# @ 24" LC 48 HP G	21,174	9.10		1.23	2.41	3.90			[illegible]
3655	V60E GAS 6000# @ 24" LC 63 HP G	29,217	12.17		1.70	3.38	5.11			[illegible]
3660	V70E GAS 7000# @ 24" LC 63 HP G	29,567	12.25		1.73	3.43	5.11			[illegible]
3665	V80E GAS 8000# @ 24" LC 63 HP G	30,753	12.47		1.79	3.55	5.11			[illegible]
3670	V110 GAS 11000# @ 24" LC 66 HP G	44,233	15.49		2.58	[illegible].13	5.35			[illegible]
3675	V150 DIESEL 15000# @ 24" LC 70 HP D	47,654	12.78		2.78	5.53	2.63			[illegible]
3680	V180B DIESEL 18000# @ 24" LC 125 HP D	63,077	18.48		3.66	7.23	4.70			[illegible]
3685	V200B DIESEL 20000# @ 24" LC 125 HP D	68,714	19.60		3.99	7.89	4.70			124
3690	V250B DIESEL 25000# @ 24" LC 125 HP D	70,733	19.99		4.12	8.16	4.70			134
3695	V300B DIESEL 30000# @ 24" LC 125 HP D	79,339	21.74		4.60	9.08	4.70			[illegible]
3700	R40 DIESEL 4000# @ 24" LC 68 HP D	27,995	8.79		1.63	3.21	2.56			107
3705	R50 DIESEL 5000# @ 24" LC 68 HP D	28,692	8.92		1.66	3.29	2.56			[illegible]
3710	R60 DIESEL 6000# @ 24" LC 68 HP D	34,655	10.11		2.02	4.00	2.56			[illegible]
3715	R80 DIESEL 8000# @ 24" LC 68 HP D	36,021	10.39		2.09	4.13	2.56			[illegible]
	HYSTER - CHALLENGER									
3720	H30H 3000# @ 24" LC 63 HP G	25,382	11.61		1.54	3.05	5.11			[illegible]
3730	H60C 6000# @ 24" LC 80 HP G	30,099	14.06		1.76	3.49	6.49			[illegible]
3735	H110F 11000# @ 24" LC 116 dP G	46,032	20.87		2.69	5.36	9.42			[illegible]
3740	H150H 15000# @ 24" LC 127 HP G	64,642	25.74		3.76	7.41	10.31			[illegible]
3745	H200HS20000# @ 24" LC PS 127 HP G	73,305	27.47		4.26	8.44	10.31			[illegible]
3750	H250H 25000# @ 24" LC PS 127 HP G	76,492	28.12		4.44	8.77	10.31			295
3755	H300B 30000# @ 24" LC PS 127 HP G	84,634	29.70		4.93	9.78	10.31			[illegible]
3760	H460B 46000# @ 48" LC PS 190 HP G	162,453	51.65		9.45	18.73	15.42			[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
	GENERATOR SETS, ELECTRIC ********** CATERPILLAR T = TURBOCHARGED TA = TURBOCHARGED AFTER COOLED SKID MOUNTED									
3775	MOD 3304 -T 240/480V 75 KW 129 HP D	21,395	10.83	13.66	1.39	2.98	4.85	3.29	6.39	37
3780	MOD 3306 -T 240/480V 130 KW 200 HP D	25,228	15.01	19.05	1.64	3.51	7.52	3.88	9.90	46
3785	MOD 3306 -TA 240/480V 150 KW 220 HP D	28,711	16.73	21.21	1.86	3.99	8.28	4.42	10.89	48
3790	MOD 3406 -T 240/480V 175 KW 260 HP D	30,467	18.98	24.14	1.97	4.23	9.78	4.69	12.87	57
3795	MOD 3406 -TA 240/480V 200 KW 295 HP D	34,472	21.51	27.36	2.23	4.79	11.10	5.31	14.60	59
3800	MOD 3408 -T 240/480V 225 KW 330 HP D	40,288	24.45	31.07	2.61	5.60	12.41	6.20	16.33	72
3805	MOD 3408 -TA 240/480V 265 KW 390 HP D	43,801	28.05	35.69	2.84	6.09	14.67	6.74	19.30	81
3810	MOD D353 -TA 240/480V 290 KW 425 HP D	79,822	37.79	47.53	5.18	11.10	15.99	12.29	21.04	114
3815	MOD 3412 -T 240/480V 300 KW 440 HP D	60,406	34.11	43.22	3.92	8.40	16.55	9.29	21.78	91
3820	MOD 3412 -TA 240/480V 440 KW 625 HP D	70,224	44.95	57.21	4.55	9.76	23.51	10.80	30.94	102
3825	MOD D348 -TA 240/480V 510 KW 730 HP D	106,861	58.09	73.49	6.92	14.85	27.46	16.44	36.13	140
3830	MOD D398B-TA 230/460V 565 KW 810 HP D	158,561	73.46	92.28	10.28	22.05	30.47	24.40	40.09	208
3835	MOD D399 -TA 230/460V 820 KW 1155 HP D	205,765	100.18	126.14	13.34	28.61	43.45	31.66	57.17	268
	KOHLER									
3845	2.25MBM25 PORTABLE 2.25 KW 5 HP G	678	0.67	0.85	0.05	0.10	0.41	0.11	0.53	1
3850	3.5MM65 PORTABLE 3.50 KW 8 HP G	1,072	1.05	1.33	0.07	0.15	0.65	0.16	0.85	2
3855	5MM65 PORTABLE 5.00 KW 12 HP G	1,387	1.52	1.95	0.10	0.20	0.97	0.22	1.27	2
	ONAN SKID MOUNTED									
3870	120/240V 2.5 KW 6 HP G	1,436	0.93	1.16	0.10	0.20	0.49	0.22	0.63	2
3875	120/240V 6.5 KW 14 HP G	3,222	2.14	2.70	0.21	0.45	1.14	0.49	1.48	3
3880	120/240V 10.0 KW 20 HP G	3,527	2.80	3.57	0.23	0.49	1.62	0.54	2.12	4
3885	120/240V 3.0 KW 6 HP D	3,732	1.12	1.37	0.24	0.52	0.23	0.57	0.30	4
3890	120/240V 6.0 KW 12 HP D	4,952	1.68	2.06	0.32	0.69	0.45	0.76	0.59	5

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)									
3895	120/240V 12.0 KW 22 HP D	7,126	2.64	3.27	0.47	1.00	0.83	1.10	1.09	7
3900	120/240V 15 KW 27 HP D	7,369	2.92	3.63	0.48	1.03	1.02	1.13	1.34	14
3905	120/240V 30 KW 63 HP D	10,913	5.40	6.80	0.71	1.52	2.37	1.68	3.12	19
3910	120/240V 45 KW 87 HP D	14,430	7.31	9.21	0.94	2.01	3.27	2.22	4.31	25
3915	120/240V 60 KW 102 HP D	16,559	8.48	10.71	1.07	2.30	3.84	2.55	5.05	26
3920	120/240V 75 KW 162 HP D	19,695	11.98	15.23	1.28	2.74	6.09	3.03	8.02	30
3925	120/240V 90 KW 162 HP D	20,622	12.19	15.47	1.34	2.87	6.09	3.17	8.02	30
3930	120/240V 125 KW 210 HP D	24,007	15.20	19.32	1.56	3.34	7.90	3.69	10.39	50
3935	120/240V 150 KW 276 HP D	28,504	19.28	24.59	1.85	3.96	10.38	4.38	13.66	65
	OVERLOWE									
3945	KP2250R PORTABLE 2.25 KW 5 HP G	854	0.69	0.89	0.05	0.11	0.41	0.13	0.53	1
3950	KP3000R PORTABLE 3.00 KW 5 HP G	854	0.69	0.89	0.05	0.11	0.41	0.13	0.53	1
3955	KP3750BIC PORTABLE 3.75 KW 7 HP G	1,042	0.94	1.20	0.07	0.14	0.57	0.16	0.74	2
3960	KP5000BIC PORTABLE 5.00 KW 10 HP G	1,312	1.29	1.66	0.08	0.18	0.81	0.20	1.06	2
3965	KP6500BICB PORTABLE 6.50 KW 16 HP G	1,671	1.99	2.55	0.11	0.24	1.30	0.26	1.69	3
3970	KP7500BICB PORTABLE 7.50 KW 16 HP G	1,745	2.00	2.57	0.11	0.24	1.30	0.27	1.69	3
	GRADERS, MOTOR									
	CATERPILLAR									
3985	MOD 120-G POWER SHIFT ARTIC 125 HP D	101,231	21.90	26.80	5.55	10.09	4.33	11.36	5.69	272
3990	MOD 130-G POWER SHIFT ARTIC 135 HP D	115,101	24.54	30.00	6.31	11.49	4.68	12.94	6.15	293
3995	MOD 12-G POWER SHIFT ARTIC 135 HP D	123,779	25.93	31.67	6.78	12.35	4.68	13.91	6.15	316
4000	MOD 140-G POWER SHIFT ARTIC 150 HP D	125,981	26.98	33.02	6.89	12.54	5.20	14.13	6.83	318
4005	MOD 14-G POWER SHIFT ARTIC 180 HP D	175,971	36.59	44.74	9.59	17.34	6.24	19.52	8.20	441
4010	MOD 16-G POWER SHIFT ARTIC 250 HP D	251,979	52.11	63.71	13.71	24.77	8.66	27.88	11.38	581

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

UNIT NO.	EQUIPMENT				VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	GRADERS, MOTOR (CONT'D) **********												
	CHAMPION												
4020	MOD 710A	ARTICULATED	125 HP	D	98,758	21.51	26.36	5.40	9.82	4.33	11.05	5.69	296
4025	MOD 715A	ARTICULATED	144 HP	D	111,298	24.38	29.88	6.09	11.07	4.99	12.46	6.56	306
4030	MOD 720A	ARTICULATED	148 HP	D	118,103	25.68	31.46	6.46	11.73	5.13	13.20	6.74	340
4035	MOD 740A	ARTICULATED	181 HP	D	128,381	28.74	35.28	7.03	12.80	6.27	14.41	8.24	355
4040	MOD 710	NON-ARTICULATED	125 HP	D	92,883	20.56	25.25	5.07	9.21	4.33	10.38	5.69	280
4045	MOD 715	NON-ARTICULATED	144 HP	D	102,675	23.00	28.26	5.61	10.19	4.99	11.48	6.56	285
4050	MOD 720	NON-ARTICULATED	148 HP	D	107,843	24.04	29.52	5.89	10.68	5.13	12.02	6.74	315
4055	MOD 740	NON-ARTICULATED	181 HP	D	117,643	27.07	33.32	6.43	11.68	6.27	13.15	8.24	330
4060	MOD 760	NON-ARTICULATED	230 HP	D	148,031	34.39	42.39	8.05	14.51	7.97	16.33	10.47	390
	FIAT-ALLIS												
4070	MOD-65B	DIRECT DRIVE	68 HP	D	54,062	11.70	14.32	2.97	5.42	2.36	6.10	3.10	135
4075	MOD-FG75	POWER SHIFT	130 HP	D	77,829	18.41	22.70	4.25	7.70	4.50	8.66	5.92	300
4080	MOD-FG85	POWER SHIFT	145 HP	D	85,637	20.35	25.10	4.67	8.46	5.02	9.52	6.60	310
4085	MOD-FG95	POWER SHIFT	160 HP	D	89,839	21.80	26.98	4.87	8.77	5.54	9.88	7.20	330
	GALION												
4095	MOD 503-L	CONSTANT MESH	68 HP	G	46,484	13.37	16.56	2.55	4.65	5.10	5.24	6.61	115
4100	MOD T-500C	POWER SHIFT	145 HP	D	100,072	22.59	27.74	5.48	9.96	5.02	11.22	6.60	281
4105	MOD T-600C	POWER SHIFT	186 HP	D	115,097	26.85	33.09	6.30	11.44	6.44	12.89	8.47	321
	HOISTS ******												
	BEEBE - AIR TUGGERS												
4115	2000P110-24	1.0 T 225 CFM RQD			5,386	1.24		0.32	0.64	0.00			5
4120	5000P120-24	2.5 T 500 CFM RQD			9,828	2.26		0.58	1.16	0.00			16
4125	10000P 60-30	5.0 T 500 CFM RQD			12,362	2.90		0.73	1.46	0.00			22
4130	20000P 50-40	10.0 T 850 CFM RQD			30,832	6.89		1.82	3.65	0.00			55

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	HOISTS (CONT'D)									
	SKAGIT									
4140	BU-18 DOUBLE DRUM W/5/8" CABLE 100 HP D	68,701	19.11		4.05	8.12	3.76			85
4145	G-70 DOUBLE DRUM W/7/8" CABLE 100 HP D	92,957	24.22		5.48	10.99	3.76			126
4150	RB-80 DOUBLE DRUM W/1-1/8" CABLE 130 HP D	142,942	36.13		8.42	16.89	4.89			240
4155	RB-90WDOUBLE DRUM W/1-3/8" CABLE 150 HP D	169,150	42.58		9.96	19.99	5.64			300
	HYDRAULIC EXCAVATOR, CRAWLER MOUNTED T/B = TELESCOPING BOOM B/H = BACKHOE									
	AMERICAN									
4170	MOD 185 1.00 CY B/H 103 HP D	118,468	31.94	43.31	7.63	15.84	3.57	19.67	4.69	410
4175	MOD 25A 1.38 CY B/H 185 HP D	199,577	49.47	63.43	11.75	23.60	6.41	27.75	8.42	660
4180	MOD 480 2.00 CY B/H 300 HP D	292,418	73.67	94.49	17.23	34.59	10.39	40.65	13.66	975
4185	MOD 680 4.00 CY B/H 456 HP D	466,377	108.86	134.98	25.53	50.12	15.80	57.00	20.77	1647
	BADGER (HOPTO)									
4195	MOD 211 1.00 CY B/H 160 HP D	156,929	43.26	58.65	10.11	20.98	5.54	26.06	7.29	530
4200	MOD 311 1.88 CY B/H 235 HP D	223,206	56.48	72.45	13.15	26.40	8.14	31.03	10.70	745
4205	MOD 900B 2.00 CY B/H 308 HP D	268,830	64.60	80.22	14.72	28.89	10.67	32.85	14.03	1015
4210	MOD 1900 5.00 CY B/H 616 HP D	573,223	136.07	168.87	31.38	61.60	21.34	70.05	28.05	2050
	BUCYRUS ERIE									
4220	MOD 300-H 1.00 CY B/H 176 HP D	178,152	48.89	66.27	11.47	23.82	6.10	29.58	8.02	546
4225	MOD 325-H 1.75 CY B/H 205 HP D	245,058	59.84	76.70	14.43	28.98	7.10	34.07	9.34	774
4230	MOD 350-H 2.50 CY B/H 248 HP D	308,892	75.00	96.10	18.19	36.53	8.59	42.94	11.29	1000
4235	MOD 400-H 4.25 CY B/H 392 HP D	517,029	116.04	143.53	28.30	55.56	13.58	63.19	17.85	1575
	CASE									
4245	MOD 880C "E" BOOM .63 CY B/H 125 HP D	104,361	29.54	39.99	6.72	13.96	4.33	17.33	5.69	310
4250	MOD 980B 1.00 CY B/H 165 HP D	129,591	37.08	50.19	8.35	17.33	5.72	21.52	7.51	445

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	AVERAGE COND. FUEL	SEVERE COND. OWNER-SHIP	SEVERE COND. FUEL	CWT
	HYDRAULIC EXCAVATOR,CRLR MTD (CONT'D) ********** T/B = TELESCOPING BOOM B/H = BACKHOE									
	CATERPILLAR									
4260	MOD 215 .75 CY B/H 90 HP D	125,980	33.16	45.02	8.11	16.84	3.12	20.92	4.10	387
4265	MOD 225 1.00 CY B/H 135 HP D	155,672	41.96	56.90	10.03	20.82	4.68	25.84	6.15	504
4270	MOD 235 1.50 CY B/H 195 HP D	279,443	66.66	85.37	16.46	33.05	6.76	38.85	8.88	891
4275	MOD 245 2.50 CY B/H 325 HP D	435,321	104.70	134.13	25.64	51.48	11.26	60.52	14.80	1385
	GRADALL									
4290	MOD G-660 .63 CY T/B 115 HP D	154,744	40.91	55.53	9.97	20.69	3.98	25.69	5.24	450
4295	MOD G-880B .75 CY T/B 160 HP D	193,438	51.82	70.29	12.46	25.87	5.54	32.12	7.29	533
4300	MOD G-1000 1.25 CY T/B 272 HP D	260,435	65.80	84.42	15.33	30.79	9.42	36.21	12.39	787
	INSLEY									
4315	MOD H1000C 1.25 CY B/H 180 HP D	148,265	38.50	49.41	8.74	17.54	6.24	20.61	8.20	517
4320	MOD H2500C 2.25 CY B/H 290 HP D	266,217	67.76	86.94	15.68	31.48	10.05	37.01	13.21	931
4325	MOD H3500C 3.50 CY B/H 390 HP D	374,107	88.31	109.57	20.48	40.20	13.51	45.72	17.76	1276
	KOEHRING									
4335	MOD 166 BANTAM .88 CY B/H 108 HP D	110,541	30.28	41.06	7.12	14.78	3.74	18.35	4.92	374
4340	MOD 266 BANTAM 1.13 CY B/H 143 HP D	146,464	40.12	54.39	9.44	19.59	4.95	24.32	6.51	514
4345	MOD 366 BANTAM 1.25 CY B/H 210 HP D	176,276	45.60	58.53	10.38	20.84	7.28	24.51	9.56	612
4350	MOD 566 1.50 CY B/H 240 HP D	255,316	63.43	81.32	15.03	30.19	8.32	35.49	10.93	834
4355	MOD 666E 2.00 CY B/H 307 HP D	317,973	79.32	101.72	18.72	37.60	10.64	44.21	13.98	1075
4360	MOD 866E 3.25 CY B/H 332 HP D	399,556	90.86	112.48	21.86	42.93	11.50	48.83	15.12	1306
4365	MOD 1066E 4.00 CY B/H 420 HP D	485,272	111.05	137.52	26.56	52.15	14.55	59.31	19.13	1640
4370	MOD 1166E 5.00 CY B/H 464 HP D	578,246	130.82	161.89	31.64	62.13	16.08	70.66	21.13	1890
4375	MOD 1266D 5.50 CY B/H 760 HP D	807,449	182.07	212.47	41.77	78.26	26.33	86.77	34.61	2507
4380	MOD 1466 6.50 CY B/H 832 HP D	930,216	207.98	242.44	48.12	90.16	28.83	99.96	37.89	2851

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									
	UNIT									
4395	MOD H202CT SER II 1.25 CY B/H 152 HP D	145,997	40.39	54.73	9.40	19.52	5.27	24.24	6.92	475
4400	MOD H342 1.63 CY B/H 228 HP D	235,484	58.77	75.36	13.87	27.85	7.90	32.74	10.38	723
4405	MOD H471 1.75 CY B/H 304 HP D	292,001	73.74	94.58	17.20	34.53	10.53	40.59	13.84	972
	HYDRAULIC EXCAVATOR, TRUCK MOUNTED ********** (HP & FUEL LISTED EQUIP/CARRRIER) T/B = TELESCOPING BOOM B/H = BACKHOE									
	GRADALL									
4415	MOD G-660 .63 CY T/B 123/235 HP D/G	163,807	31.03	37.18	8.31	14.65	7.52	16.02	9.85	422
4420	MOD G-880 .75 CY T/B 160/210 HP D/D	212,841	37.17	43.97	10.81	19.09	7.46	20.87	9.60	530
4425	MOD G-1000 1.25 CY T/B 272/312 HP D/D	280,402	49.74	58.38	13.50	22.55	12.37	24.12	15.95	724
	LAND CLEARING EQUIPMENT ********** (ADD TO TRACTOR)									
4435	FLECO LAND CLEARING RAKE FOR D-6	18,659	4.07	5.17	1.10	2.19	0.00	2.58	0.00	67
4440	FLECO LAND CLEARING RAKE FOR D-7	24,604	5.36	6.80	1.45	2.90	0.00	3.40	0.00	98
4445	FLECO LAND CLEARING RAKE FOR D-8	36,435	7.90	10.06	2.15	4.29	0.00	5.05	0.00	138
4450	FLECO CLAMP RAKE FOR CAT 977 (ADD TO 977 LOADER)	18,623	4.18	5.29	1.10	2.19	0.00	2.58	0.00	58
	LIGHTING SETS, TRAILER MOUNTED **********									
	ALLMAND METALLIC VAPOR									
4460	30' TOWER 4/1000W LTS 5 KW 11 HP D	13,567	5.34		0.87	1.74	0.54			29
	OVER-LOWE METALLIC VAPOR									
4470	28' TOWER 2/1000W 3 KW 6 HP D	9,945	3.75		0.62	1.23	0.30			17
4475	28' TOWER 4/1000W 6 KW 17 HP D	12,362	5.43		0.82	1.61	0.84			22

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
	LIGHTING SETS, TRAILER MTD (CONT'D) **********									
	OVER-LOWE METALLIC VAPOR (CONT'D)									
4480	28' TOWER 6/1000W 8 KW 15 HP D	17,232	6.81		1.09	2.17	0.74			24
	LOADERS, BELT **********									
	KOLMAN									
4490	101XHD 24"X50' 355 T/HR 28 HP D	31,185	8.60	11.26	1.80	3.28	1.05	3.80	1.39	116
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4500	PLATE FEEDER DOZER TRAP MODEL 45	5,920	1.27	1.61	0.35	0.66	0.00	0.76	0.00	37
4505	BELT FEEDER DOZER TRAP MODEL 65	8,434	1.80	2.29	0.50	0.93	0.00	1.08	0.00	36
4510	WING WALLS STATIONARY	1,326	0.29	0.36	0.08	0.15	0.00	0.17	0.00	9
4515	TUNNEL EXTENSION W/WING WALLS	7,059	1.50	1.93	0.41	0.77	0.00	0.91	0.00	61
4520	SINGLE DECK SCREEN SB-70 7'X42	5,723	1.22	1.55	0.34	0.63	0.00	0.73	0.00	19
4525	DOUBLE DECK SCREEN DC-70-42 7'X42	6,835	1.46	1.86	0.40	0.75	0.00	0.88	0.00	27
4530	TRIPLE DECK SCREEN TC-70-42 7'X42	8,912	1.90	2.42	0.52	0.98	0.00	1.14	0.00	34
4535	XHD CONVEYOR JACKLEG	1,066	0.22	0.29	0.06	0.11	0.00	0.14	0.00	9
4540	101XHD 30"X50' 615 T/HR 42 HP D	35,015	10.22	13.43	2.01	3.67	1.58	4.25	2.08	135
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4550	PLATE FEEDER DOZER TRAP MODEL 45	7,321	1.57	1.99	0.44	0.81	0.00	0.94	0.00	42
4555	BELT FEEDER DOZER TRAP MODEL 65	8,860	1.90	2.42	0.52	0.98	0.00	1.14	0.00	40
4560	WING WALLS STATIONARY	1,326	0.29	0.36	0.08	0.15	0.00	0.17	0.00	9
4565	TUNNEL EXTENSION W/WING WALLS	7,059	1.50	1.93	0.41	0.77	0.00	0.91	0.00	61
4570	SINGLE DECK SCREEN SB-80 8'X48	6,437	1.38	1.75	0.38	0.71	0.00	0.82	0.00	23
4575	DOUBLE DECK SCREEN DC-80-48 8'X48	7,994	1.71	2.18	0.47	0.88	0.00	1.03	0.00	35
4580	TRIPLE DECK SCREEN TC-80-48 8'X48	10,116	2.16	2.76	0.59	1.11	0.00	1.30	0.00	43
4585	XHD CONVEYOR JACKLEG	1,066	0.22	0.29	0.06	0.11	0.00	0.14	0.00	9
4590	101XHD 36"X50' 910 T/HR 56 HP D	40,133	12.24	16.10	2.30	4.17	2.11	4.83	2.77	160
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4600	PLATE FEEDER DOZER TRAP MODEL 45	7,851	1.68	2.13	0.47	0.87	0.00	1.00	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	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LOADERS, BELT (CONT'D)									
	KOLMAN (CONT'D)									
4605	BELT FEEDER DOZER TRAP MODEL 65	9,380	2.00	2.55	0.55	1.03	0.00	1.20	0.00	42
4610	WING WALLS STATIONARY	1,326	0.29	0.36	0.08	0.15	0.00	0.17	0.00	9
4615	TUNNEL EXTENSION W/WING WALLS	7,059	1.50	1.93	0.41	0.77	0.00	0.91	0.00	61
4620	SINGLE DECK SCREEN SB-90 9'X54	7,293	1.56	1.99	0.43	0.80	0.00	0.94	0.00	28
4625	DOUBLE DECK SCREEN DC-90-54 9'X54	9,565	2.05	2.61	0.57	1.06	0.00	1.23	0.00	43
4630	TRIPLE DECK SCREEN TC-90-54 9'X54	12,730	2.72	3.46	0.75	1.40	0.00	1.63	0.00	54
4635	XHD CONVEYOR JACKLEG	1,066	0.22	0.29	0.06	0.11	0.00	0.14	0.00	9
4640	101XHD 42"X50' 1260 T/HR 84 HP D	48,906	15.85	20.93	2.79	5.05	3.16	5.84	4.16	180
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4650	PLATE FEEDER DOZER TRAP MODEL 45	8,365	1.79	2.29	0.49	0.92	0.00	1.08	0.00	48
4655	BELT FEEDER DOZER TRAP MODEL 65	10,753	2.31	2.93	0.64	1.19	0.00	1.38	0.00	45
4660	WING WALLS STATIONARY	1,326	0.29	0.36	0.08	0.15	0.00	0.17	0.00	9
4665	TUNNEL EXTENSION W/WING WALLS	7,059	1.50	1.93	0.41	0.77	0.00	0.91	0.00	61
4670	SINGLE DECK SCREEN SB-100 60"X10'	9,118	1.96	2.48	0.54	1.01	0.00	1.17	0.00	37
4675	DOUBLE DECK SCREEN DC-100 60"X10'	11,829	2.53	3.21	0.69	1.30	0.00	1.51	0.00	55
4680	TRIPLE DECK SCREEN TC-100 60"X10'	15,896	3.40	4.33	0.93	1.75	0.00	2.04	0.00	68
4685	XHD CONVEYOR JACKLEG	1,066	0.22	0.29	0.06	0.11	0.00	0.14	0.00	9
4690	101XHD 48"X50' 1700 T/HR 125 HP D	84,832	25.69	33.64	4.88	8.92	4.70	10.35	6.19	265
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4700	PLATE FEEDER DOZER TRAP MODEL 45	11,966	2.56	3.26	0.71	1.32	0.00	1.54	0.00	51
4705	WING WALLS STATIONARY	1,326	0.29	0.36	0.08	0.15	0.00	0.17	0.00	9
4710	TUNNEL EXTENSION W/WING WALLS	7,861	1.69	2.13	0.47	0.87	0.00	1.00	0.00	66
4715	SINGLE DECK SCREEN SB-120 60"X12'	10,449	2.24	2.85	0.62	1.16	0.00	1.34	0.00	53
4720	DOUBLE DECK SCREEN DC-120 60"X12'	14,472	3.09	3.94	0.85	1.59	0.00	1.86	0.00	77
4725	TRIPLE DECK SCREEN TC-120 60"X12'	18,758	4.02	5.11	1.10	2.07	0.00	2.41	0.00	80
4730	XHD CONVEYOR JACKLEG	1,066	0.22	0.29	0.06	0.11	0.00	0.14	0.00	9
4735	303 48"X50' 2000 CY/HR 125 HP D	149,412	41.88	55.30	8.55	15.49	4.70	17.93	6.19	627

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LOADERS, BELT (CONT'D)									
	KOLMAN (CONT'D)									
4740	303 48"X60' 2000 CY/HR 185 HP D	166,036	48.39	63.77	9.52	17.30	6.96	20.04	9.16	662
4745	303 60"X50' 3600 CY/HR 185 HP D	171,551	51.23	68.13	9.76	17.59	6.96	20.34	9.16	682
4750	303 60"X60' 3600 CY/HR 290 HP D	196,056	62.59	83.33	11.15	20.07	10.91	23.21	14.35	737
4755	404 48"X50' 2000 CY/HR 185 HP D	183,807	52.12	68.45	10.57	19.28	6.96	22.33	9.16	616
4760	404 48"X60' 2000 CY/HR 185 HP D	194,232	54.43	71.45	11.17	20.41	6.96	23.66	9.16	650
4765	404 60"X50' 3600 CY/HR 290 HP D	220,380	66.71	88.08	12.63	22.96	10.91	26.60	14.35	671
4770	404 60"X60' 3600 CY/HR 290 HP D	242,163	72.45	95.89	13.86	25.15	10.91	29.12	14.35	724
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4780	SINGLE DECK SCREEN SB-120 72"X12'	11,553	2.47	3.14	0.68	1.27	0.00	1.48	0.00	58
4785	DOUBLE DECK SCREEN DC-120 72"X12'	15,416	3.30	4.20	0.91	1.70	0.00	1.98	0.00	85
4790	TRIPLE DECK SCREEN TC-120 72"X12'	20,618	4.41	5.62	1.21	2.27	0.00	2.65	0.00	90
4795	SINGLE DECK VIBRATING GRIZZLE 72"W	23,424	5.02	6.38	1.38	2.59	0.00	3.01	0.00	80
	LOADERS, FRONT END, CRAWLER TYPE									
	CASE									
4805	350 B 3/4 CY 39 HP D	39,595	12.46	15.96	2.33	4.66	1.58	5.48	2.08	105
4810	450 B 1 CY 53 HP D	51,054	16.22	20.78	3.00	6.01	2.15	7.06	2.83	138
4815	850C 1-1/2 CY 78 HP D	68,823	22.24	28.49	4.05	8.10	3.17	9.52	4.17	211
4820	1150 C 1-3/4 CY 105 HP D	92,788	29.97	38.40	5.46	10.92	4.26	12.83	5.61	250
4825	1450 B 2-1/4 CY 140 HP D	109,320	36.22	46.46	6.44	12.87	5.68	15.13	7.48	310
	CATERPILLAR									
4835	931B 1 CY 65 HP D	44,709	15.25	19.57	2.64	5.27	2.64	6.19	3.47	171
4840	943 1-1/2 CY 80 HP D	78,689	24.92	31.92	4.64	9.27	3.25	10.89	4.28	255
4845	953 2 CY 110 HP D	97,646	31.52	40.38	5.75	11.50	4.46	13.51	5.88	300
4850	963 2-1/2 CY 150 HP D	128,586	41.79	53.57	7.57	15.14	6.09	17.79	8.02	394
4855	973 3-3/4 CY 210 HP D	191,097	61.38	78.66	11.25	22.50	8.52	26.44	11.23	534

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

UNIT NO.	EQUIPMENT				VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LOADERS, F.E., CRAWLER TYPE (CONT'D)												
	CATERPILLAR (CONT'D)												
4860	983B	4-1/2 CY	275 HP	D	260,313	82.99	106.32	15.33	30.65	11.16	36.01	14.70	807
	FIAT-ALLIS												
4870	FL9	1-5/8 CY	87 HP	D	59,974	20.44	26.24	3.53	7.06	3.53	8.30	4.65	272
4875	FL10C	2 CY	122 HP	D	75,982	26.55	34.12	4.47	8.94	4.95	10.52	6.52	310
4880	FL14C	2-5/8 CY	150 HP	D	100,514	34.50	44.28	5.92	11.84	6.09	13.90	8.02	410
4885	FL20	3-1/2 CY	223 HP	D	143,611	49.78	63.91	8.46	16.91	9.05	19.87	11.92	605
	INTERNATIONAL												
4895	100-E	1-1/8 CY	65 HP	D	51,824	17.09	21.93	3.05	6.10	2.64	7.18	3.47	161
4900	125-E	1-3/8 CY	78 HP	D	62,097	20.49	26.27	3.66	7.31	3.17	8.59	4.17	199
4905	175-C	2 CY	130 HP	D	100,598	33.41	42.84	5.93	11.85	5.28	13.92	6.95	338
4910	250-C	2-3/4 CY	190 HP	D	142,450	47.62	61.10	8.39	16.77	7.71	19.71	10.16	452
	JOHN DEERE												
4920	JD350-C	3/4 CY	42 HP	D	38,099	12.25	15.69	2.25	4.49	1.70	5.27	2.25	119
4925	JD450-C	1-1/4 CY	65 HP	D	49,837	16.58	21.27	2.94	5.87	2.64	6.90	3.47	165
	KOMATSU												
4935	D31S-16	1.3 CY	63 HP	D	47,520	15.87	20.35	2.80	5.60	2.56	6.57	3.37	156
4940	D53S-16	1.8 CY	110 HP	D	82,516	27.59	35.39	4.86	9.72	4.46	11.42	5.88	300
4945	D57S-1	2.1 CY	135 HP	D	100,191	33.58	43.07	5.90	11.80	5.48	13.86	7.22	337
4950	D75S-3	3.3 CY	200 HP	D	147,463	49.49	63.49	8.69	17.37	8.12	20.40	10.69	503
4955	D155S-1	5.9 CY	350 HP	D	285,258	93.68	120.10	16.80	33.59	14.21	39.47	18.71	950

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, FRONT END, WHEEL TYPE													
	(ARTIC = ARTICULATED)													
	BOBCAT													
4965	MOD 310	5	C.F. SKID STEER	16 HP	G	7,756	3.29	4.25	0.45	0.86	1.30	1.01	1.69	18
4970	MOD 313	5	C.F. SKID STEER	13 HP	D	9,639	2.63	3.38	0.56	1.08	0.49	1.26	0.64	19
4975	MOD 540	6.5	C.F. SKID STEER	23 HP	G	11,208	4.71	6.04	0.65	1.26	1.87	1.47	2.43	31
4980	MOD 543	6.5	C.F. SKID STEER	19 HP	D	13,174	3.62	4.62	0.77	1.48	0.71	1.73	0.94	33
4985	MOD 610	9	C.F. SKID STEER	30 HP	G	13,932	5.99	7.71	0.81	1.56	2.44	1.83	3.17	43
4990	MOD 630	9	C.F. SKID STEER	30 HP	G	13,320	5.89	7.56	0.78	1.50	2.44	1.75	3.17	34
4995	MOD 641	10	C.F. SKID STEER	28 HP	D	15,542	4.56	5.84	0.91	1.75	1.05	2.04	1.39	39
5000	MOD 642	10	C.F. SKID STEER	32 HP	G	14,248	6.28	8.05	0.84	1.61	2.60	1.87	3.38	38
5005	MOD 742	10	C.F. SKID STEER	34 HP	G	16,503	6.92	8.89	0.97	1.86	2.76	2.17	3.60	45
5010	MOD 743	10	C.F. SKID STEER	36 HP	D	17,687	5.40	6.92	1.03	1.99	1.35	2.33	1.78	46
5015	MOD 825	12.5	C.F. SKID STEER	42 HP	D	21,954	6.67	8.63	1.28	2.44	1.58	2.85	2.08	60
5020	MOD 843	13.5	C.F. SKID STEER	54 HP	D	22,825	7.47	9.67	1.33	2.54	2.03	2.96	2.67	63
5025	MOD 974	33.8	C.F. SKID STEER	78 HP	D	41,616	12.87	16.99	2.39	4.50	2.93	5.24	3.86	121
	CASE													
5035	W-14	1-1/2	CY ARTIC	83 HP	D	64,278	17.34	22.32	3.74	7.17	3.12	8.37	4.11	137
5040	W-18B	2	CY ARTIC	103 HP	D	77,990	21.09	27.07	4.55	8.73	3.87	10.19	5.10	194
5045	W-24 C	2-1/2	CY ARTIC	132 HP	D	109,654	29.02	37.22	6.39	12.26	4.97	14.32	6.53	216
5050	W-36	3-1/2	CY ARTTC	185 HP	D	145,494	39.29	50.75	8.45	16.16	6.96	18.85	9.16	332
	CATERPILLAR													
5060	910	1-1/4	CY ARTIC	65 HP	D	52,759	14.21	18.42	3.06	5.83	2.45	6.80	3.22	145
5065	920	1-3/4	CY ARTIC	80 HP	D	67,969	17.96	23.14	3.96	7.57	3.01	8.83	3.96	186
5070	930	2-1/4	CY ARTIC	100 HP	D	77,621	21.08	27.27	4.51	8.61	3.76	10.04	4.95	212
5075	950-B	3	CY ARTIC	130 HP	D	123,637	32.09	41.53	7.17	13.69	4.89	15.97	6.43	328
5080	966-D	4	CY ARTIC	200 HP	D	168,678	45.21	58.84	9.76	18.57	7.52	21.66	9.90	426
5085	980-C	5-1/4	CY ARTIC	270 HP	D	226,771	56.46	72.92	12.15	23.30	10.16	26.44	13.36	598

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

UNIT NO.	EQUIPMENT					VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LOADERS, F.E., WHEEL TYPE (CONT'D)													
	CATERPILLAR (CONT'D)													
5090	988-B	7	CY ARTIC	375 HP	D	326,739	79.92	103.66	17.31	32.79	14.11	37.14	18.56	892
5095	992-C	13	CY ARTIC	690 HP	D	665,141	160.95	210.97	35.00	65.82	25.96	74.49	34.15	1916
	CLARK													
5105	35C	1-1/4	CY	82 HP	D	61,058	16.71	21.60	3.55	6.78	3.08	7.91	4.06	177
5110	45C	1-1/2	CY	107 HP	D	70,374	19.86	25.61	4.09	7.84	4.03	9.16	5.30	192
5115	55C	2	CY ARTIC	121 HP	D	81,828	23.01	29.74	4.76	9.09	4.55	10.60	5.99	247
5120	75C	2-1/2	CY ARTIC	154 HP	D	119,716	32.75	42.64	6.92	13.17	5.79	15.36	7.62	313
5125	125C	3-1/2	CY ARTIC	210 HP	D	162,875	44.88	58.75	9.39	17.80	7.90	20.75	10.39	437
5130	175C	4-1/2	CY ARTIC	273 HP	D	217,465	54.97	71.16	11.64	22.30	10.27	25.30	13.51	565
5135	275C	6-1/2	CY ARTIC	360 HP	D	303,425	74.09	95.28	16.16	30.81	13.54	34.92	17.82	864
5140	475C	12	CY ARTIC	612 HP	D	577,172	139.35	181.52	30.50	57.60	23.02	65.22	30.29	1689
	FIAT-ALLIS													
5150	345-B	1-1/2	CY ARTIC	80 HP	D	54,654	15.32	19.83	3.17	6.06	3.01	7.08	3.96	151
5155	FR-10	2-1/4	CY ARTIC	102 HP	D	71,330	19.73	25.39	4.15	7.96	3.84	9.31	5.05	212
5160	FR-12	2-1/2	CY ARTIC	120 HP	D	78,608	22.33	28.89	4.57	8.72	4.51	10.17	5.94	230
5165	FR-15	3	CY ARTIC	155 HP	D	109,995	30.96	40.50	6.34	12.03	5.83	14.03	7.67	296
5170	FR-20	4	CY ARTIC	215 HP	D	159,379	44.47	58.26	9.18	17.40	8.09	20.29	10.64	445
5175	945-B	6	CY ARTIC	335 HP	D	249,437	63.43	82.40	13.21	25.01	12.60	28.33	16.58	700
	INTERNATIONAL													
5185	510B	1-3/8	CY	80 HP	D	50,602	15.08	20.14	2.88	5.38	3.01	6.26	3.96	140
5190	515B	1-5/8	CY	100 HP	D	61,943	18.01	23.48	3.58	6.81	3.76	7.95	4.95	167
5195	520B	2-1/4	CY ARTIC	120 HP	D	73,382	21.35	27.72	4.26	8.11	4.51	9.45	5.94	232
5200	530	2-3/4	CY ARTIC	155 HP	D	109,106	30.55	39.76	6.31	12.02	5.83	14.03	7.67	291
5205	540	3-3/4	CY ARTIC	189 HP	D	150,562	41.27	54.10	8.67	16.43	7.11	19.15	9.36	360
5210	550	5-1/4	CY ARTIC	209 HP	D	217,893	51.92	67.14	11.66	22.35	7.86	25.35	10.35	544

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

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)									
	INTERNATIONAL (CONT'D)									
5215	560B 7-1/2 CY ARTIC 415 HP D	311,477	78.18	100.50	16.60	31.67	15.61	35.91	20.54	830
5220	570 12 CY ARTIC 590 HP D	639,313	147.37	188.62	34.12	65.17	22.20	73.90	29.20	1350
	TEREX (GM)									
5230	72-31B 3 CY ARTIC 160 HP D	109,322	30.87	40.17	6.33	12.05	6.02	14.06	7.92	309
5235	72-51B 4 CY ARTIC 231 HP D	164,790	42.10	53.77	8.88	17.12	8.69	19.43	11.43	465
5240	72-61 5-1/2 CY ARTIC 307 HP D	217,589	56.66	73.38	11.65	22.32	11.55	25.31	15.20	605
5245	72-71B 7-1/2 CY ARTIC 388 HP D	311,379	76.86	98.74	16.60	31.67	14.60	35.89	19.21	857
5250	72-81 9 CY ARTIC 434 HP D	434,097	103.16	133.93	22.98	43.50	16.33	49.28	21.48	1166
	TROJAN									
5260	1500 1-3/4 CY ARTIC 85 HP D	67,673	18.17	23.43	3.93	7.53	3.20	8.80	4.21	180
5265	1900 2-1/4 CY ARTIC 117 HP G	77,840	28.40	36.73	4.52	8.63	9.50	10.07	12.38	212
5270	2000 3 CY ARTIC 144 HP D	110,540	30.27	39.35	6.40	12.19	5.42	14.22	7.13	306
5275	2500 4 CY ARTIC 182 HP D	136,035	37.82	49.49	7.84	14.87	6.85	17.34	9.01	393
5280	3000 4-1/4 CY ARTIC 215 HP D	148,344	42.04	54.96	8.55	16.24	8.09	18.94	10.64	436
5285	5500 5-1/2 CY ARTIC 285 HP D	217,906	55.64	72.03	11.66	22.35	10.72	25.35	14.11	636
5290	7500 7 CY ARTIC 400 HP D	289,832	73.66	95.03	15.41	29.34	15.05	33.27	19.80	846
	LOADER/BACKHOE, WHEEL TYPE TRACTOR									
	CASE									
5300	580D LDR/BHOE 1.0 CY FE BUCKET 24" B/H DIPPER 55 HP D	46,821	12.42	15.62	2.74	5.27	2.07	6.16	2.72	115
5305	680H LDR/BHOE 1-1/4 CY FE BUCKET 30" B/H DIPPER 80 HP D	67,093	17.90	22.54	3.92	7.54	3.01	8.80	3.96	165
	JOHN DEERE									
5315	410B LDR/BH 1 CY FE BUCKET 24" B/H DIPPER 62 HP D	45,062	12.60	15.95	2.61	4.96	2.33	5.78	3.07	137
5320	510 LDR/BHOE 1-1/2 CY FE BUCKET 24" B/H DIPPER 80 HP D	69,092	18.39	23.17	4.02	7.70	3.01	8.99	3.96	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	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LOADER/BACKHOE, CRLR TYPE TRACTOR									
	CASE									
5330	350B LDR/BHOE 3/4 CY FE BUCKET 39 HP D 24" B/H DIPPER	50,983	15.41	19.72	3.00	6.00	1.58	7.05	2.08	141
5335	450B LDR/BHOE 1 CY FE BUCKET 53 HP D 24" B/H DIP	62,322	19.15	24.52	3.67	7.34	2.15	8.63	2.83	167
	CATERPILLAR									
5345	931BLDR/BHOE 1 CY FE BUCKET 65 HP D 30" B/H DIPPER	57,262	18.52	23.71	3.38	6.75	2.64	7.92	3.47	207
	LOADER/BACKHOE ATTACHMENTS									
	HYDRAULICALLY OPERATED IMPACTOR MOUNTED ON BACKHOE OR HYDRAULIC EXCAVATOR (ADD TO THE BASIC LOADER-BACKHOE OR EXCAVATOR)									
5365	KENT RAM 555 W/NARROW CHISEL	4,912	2.11		0.36	0.78	0.00			6
5370	KENT RAM 999 W/NARROW CHISEL	10,199	4.38		0.74	1.62	0.00			10
5375	KENT RAM 2000 W/CHISEL-MIN 3/4CY B/H	19,767	8.44		1.44	3.13	0.00			22
5380	KENT KHP-12 HYDRA-PAK TAMPER	5,165	1.95		0.38	0.82	0.00			9
5385	KENT KHP-25 HYDRA-PAK MIN 3/4CY B/H	8,104	3.03		0.59	1.29	0.00			15
	PILE EXTRACTORS									
	MKT CORPORATION									
5395	E2 700 FT-LBS 400CFM A	14,138	4.92		1.03	2.24	0.00			27
5400	E4 1000 FT-LBS 550CFM A	21,353	7.39		1.55	3.38	0.00			47
	VULCAN									
5410	400A 500 FT-LBS 450CFM A	16,670	5.78		1.21	2.64	0.00			30
5415	800A 1000 FT-LBS 900CFM A	22,677	7.98		1.65	3.59	0.00			57
5420	1200A 1640 FT-LBS 1350CFM A	26,876	9.65		1.95	4.25	0.00			97

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
	PILE HAMMERS, DIESEL ********** (FUEL NOT INCLUDED)									
	MKT CORPORATION									
5430	DE-30B/20B (6-FT) 12,000 FT-LBS	36,637	12.19		2.66	5.80	0.00			74
5435	DE-30B/20B (6-FT) 16,800 FT-LBS	38,065	12.66		2.76	6.02	0.00			82
5440	DE-70B/50B (6-FT) 30,000 FT-LBS	65,581	21.77		4.75	10.37	0.00			138
5445	DE-70B/50B (6-FT) 42,000 FT-LBS	69,777	23.16		5.06	11.04	0.00			158
	PILE HAMMERS, SINGLE ACTING **********									
	VULCAN									
5455	1 15000 FT-LBS 750CFM A	36,671	12.55		2.66	5.80	0.00			101
5460	06 19500 FT-LBS 900CFM A	42,039	14.39		3.05	6.65	0.00			121
5465	08 26000 FT-LBS 1100CFM A	48,668	16.68		3.53	7.70	0.00			175
5470	010 32500 FT-LBS 1350CFM A	53,345	18.36		3.87	8.44	0.00			195
5475	012 39000 FT-LBS 1500CFM A	59,831	20.42		4.34	9.47	0.00			287
5480	014 42000 FT-LBS 1750CFM A	71,076	24.43		5.15	11.24	0.00			283
5485	016 48750 FT-LBS 1750CFM A	83,559	28.56		6.06	13.22	0.00			320
5490	020 60000 FT-LBS 2150CFM A	98,804	33.80		7.16	15.63	0.00			425
5495	030 90000 FT-LBS 2350CFM A	164,015	55.49		11.89	25.94	0.00			575
	PILE HAMMERS, DOUBLE ACTING **********									
	MKT CORPORATION									
5505	9-B-3 8750 FT-LBS 900CFM A	26,960	9.39		1.95	4.26	0.00			74
5510	10-B-3 13100 FT-LBS 1200CFM A	32,190	11.27		2.33	5.09	0.00			114
5515	11-B-3 19150 FT-LBS 1200CFM A	43,675	15.08		3.17	6.91	0.00			141
5520	5 (SELF STOP) 1000 FT-LBS 375CFM A	11,077	3.91		0.81	1.76	0.00			17
5525	6 (SELF STOP) 2500 FT-LBS 600CFM A	13,982	4.95		1.01	2.21	0.00			31
5530	7 (SELF STOP) 4150 FT-LBS 750CFM A	18,087	6.40		1.31	2.86	0.00			50

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	PILE HAMMERS, DOUBLE ACTING (CONT'D)									
	VULCAN									
5540	50C 15100 FT-LBS 1250CFM A	46,845	16.15		3.40	7.41	0.00			153
5545	65C 19200 FT-LBS 1450CFM A	53,476	18.45		3.88	8.46	0.00			153
5550	80C 24450 FT-LBS 1750CFM A	57,569	19.96		4.18	9.11	0.00			184
5555	100C 32900 FT-LBS 2050CFM A	69,402	24.03		5.03	10.98	0.00			232
5560	140C 36000 FT-LBS 2150CFM A	86,792	29.82		6.29	13.73	0.00			287
5565	200C 50200 FT-LBS 2550CFM A	124,390	42.48		9.02	19.68	0.00			398
	PILE HAMMERS, VIBRATORY									
	MKT CORPORATION									
5575	V5 WITH POWER PACK 59 HP D	64,615	24.23		4.69	10.22	2.22			110
5580	V16 WITH POWER PACK 156 HP D	126,253	49.32		9.16	19.98	5.87			215
5585	V20 WITH POWER PACK 295 HP D	171,315	70.93		12.43	27.11	11.10			257
	PIPELAYER									
	CATERPILLAR									
5595	561D 15 FT BOOM, 40,000 LB CAP 105 HP D	113,265	21.97	27.05	6.30	10.72	2.18	11.96	2.81	357
5600	571G 18 FT BOOM, 60,000 LB CAP 200 HP D	181,649	36.10	44.49	10.11	17.19	4.16	19.17	5.35	502
5605	572G 18 FT BOOM, 90,000 LB CAP 200 HP D	207,924	40.54	49.90	11.57	19.68	4.16	21.94	5.35	605
5610	583K 20 FT BOOM, 140,000 LB CAP 300 HP D	260,360	52.11	64.24	14.48	24.63	6.24	27.48	8.02	905
5615	594H 24 FT BOOM, 200,000 LB CAP 410 HP D	363,518	72.52	89.37	20.23	34.40	8.52	38.36	10.96	1229
	PUMPS, GROUT									
	CHEMGROUT									
5625	CG-500 VERSATILE AIR OPERATED GROUT PLANT-100 PSI, 230 CFM	12,263	3.38		0.79	1.64	0.00			11
5630	CG-550 AIR OPERATED MINI GROUT PLANT-100 PSI, 150 CFM	4,535	1.30		0.30	0.61	0.00			5
5635	CG-600 AIR OPERATED COLLOIDAL MIXER AND PUMP-100 PSI, 450 CFM	18,109	5.07		1.17	2.42	0.00			18

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	PUMPS, GROUT (CONT'D) **********									
	CHEMGROUT (CONT'D)									
5640	CG-620 COLLOIDAL ADD-ON TO CG-500	7,849	2.11		0.50	1.04	0.00			11
	PUMPS, WATER (FOR CORE DRILLS) **********									
	LONGYEAR									
5650	520 RQG 5.7-20 GPM UP TO 600PSI 10 HP G	6,636	2.87		0.39	0.78	1.12			7
5655	535 RQG 9.9-35 GPM UP TO 800PSI 15 HP G	8,392	3.98		0.50	0.99	1.68			10
	PUMPS, WATER,CENTRIFUGAL,DEWATERING **********									
	HOMELITE - SKID MOUNTED									
5665	MOD 110S 1-1/2"-5000 GPH @ 30' H 2 HP G	445	0.39		0.03	0.06	0.22			1
5670	MOD 111S 2" - 9000 GPH @ 22' H 3 HP G	562	0.56		0.03	0.06	0.34			1
5675	MOD 120S 3" - 18000 GPH @ 20' H 8 HP G	1,019	1.40		0.06	0.12	0.90			2
	MARLOW - WHEEL MOUNTED									
5685	MOD 4D2 465 GPM @ 20 ' HEAD 43 HP G	8,820	8.21		0.53	1.05	4.81			14
5690	MOD 4C7 595 GPM @ 20 ' HEAD 30 HP D	5,086	3.24		0.30	0.60	1.57			10
5695	MOD 6E4A 1100 GPM @ 20 ' HEAD 79 HP G	11,664	14.13		0.69	1.38	8.84			15
5700	MOD 6E4A 1100 GPM @ 20 ' HEAD 60 HP D	16,813	7.89		0.99	1.99	3.15			24
5705	MOD 8FA3 2320 GPM @ 20 ' HEAD 70 HP D	21,571	9.61		1.27	2.55	3.67			23
5710	MOD 10FA61 2775 GPM @ 20 ' HEAD 68 HP D	22,949	9.76		1.35	2.71	3.57			30
	PUMPS, WATER, CENTRIFUGAL, TRASH **********									
	HOMELITE - SKID MOUNTED									
5720	MOD 121TP 2" - 11500 GPH @ 20' H 5 HP G	887	0.92		0.05	0.10	0.56			1
5725	MOD 120 3" - 23000 GPH @ 20' H 8 HP G	1,239	1.45		0.08	0.15	0.90			2
5730	MOD 160TP 4" - 36500 GPH @ 20' H 16 HP G	2,483	2.89		0.15	0.30	1.79			4

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,DIAPHRAGM									
	HOMELITE - SKID MOUNTED									
5740	MOD 111DP 2" - 1900 GPH @ 10' HD 3 HP G	1,063	0.67		0.06	0.12	0.34			1
5745	MOD 111DP 3" - 4800 GPH @ 10' HD 3 HP G	1,239	0.71		0.08	0.15	0.34			2
	PUMPS, WATER, SUBMERSIBLE									
	GORMAN-RUPP									
5755	MOD S2A1 2" - 138 GPM @ 20' HD 2 HP E	1,573	0.48		0.09	0.18	0.16			2
5760	MOD S3A1 3" - 278GPM @ 20' HD 5 HP E	2,178	0.94		0.13	0.26	0.40			3
5765	MOD S4A1 4" - 860 GPM @ 40' HD 25 HP E	7,899	4.22		0.47	0.93	2.02			12
5770	MOD S6A1 6" - 1950 GPM @ 40' HD 60 HP E	10,407	8.76		0.62	1.23	4.86			14
	HOMELITE									
5780	MOD SP200 2" - 13000 GPH @ 10' HD 2 HP E	1,350	0.45		0.08	0.16	0.16			1
5785	MOD SP300 3" - 19000 GPH @ 15' HD 4 HP E	1,664	0.75		0.10	0.20	0.32			1
	RIPPER & HYDRAULIC BANK SLOPER (DOES NOT INCLUDE COST OF POINT WEAR)									
	ATECO									
5795	VRAR-1 D9H RADIAL LIFT	42,345	10.95	14.90	2.74	5.86	0.00	7.31	0.00	136
5800	D-9H SHANKS EA	3,356	0.87	1.18	0.22	0.47	0.00	0.58	0.00	15
5805	LPAS-D8K PARALLEL LIFT	24,643	6.40	8.70	1.60	3.41	0.00	4.25	0.00	87
5810	D-8K SHANKS EA	2,416	0.63	0.85	0.16	0.34	0.00	0.42	0.00	11
5815	LPAS-D7G PARALLEL LIFT	20,246	5.27	7.17	1.31	2.80	0.00	3.50	0.00	45
5820	D-7G SHANKS EA	1,458	0.37	0.51	0.10	0.20	0.00	0.25	0.00	5
5825	PS D6D RADIAL LIFT	9,265	2.46	3.32	0.60	1.28	0.00	1.60	0.00	24
5830	D-6C SHANKS EA	324	0.08	0.11	0.02	0.04	0.00	0.05	0.00	1
5835	V-LPRF-TD25C PARALLEL LIFT STD SVC	21,321	5.55	7.54	1.38	2.95	0.00	3.68	0.00	89
5840	TD-25C SHANKS EA	1,925	0.50	0.67	0.13	0.27	0.00	0.33	0.00	8
5845	V-LPRF-TD20E PARALLEL LIFT STD SVC	15,468	4.05	5.49	1.00	2.14	0.00	2.67	0.00	51

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
	RIPPER & HYDR BANK SLOPER (CONT'D)									
	(DOES NOT INCLUDE COST OF POINT WEAR)									
	ATECO (CONT'D)									
5850	TD-20E SHANKS EA	1,387	0.36	0.49	0.10	0.20	0.00	0.24	0.00	4
5855	PS-TD15C RADIAL LIFT	8,643	2.30	3.10	0.56	1.20	0.00	1.49	0.00	22
5860	TD-15C SHANKS EA	301	0.08	0.10	0.02	0.04	0.00	0.05	0.00	1
5865	V-LPRF 82-50 PARALLEL LIFT STD SVC	24,023	6.25	8.49	1.56	3.33	0.00	4.15	0.00	96
5870	82-50 SHANKS EA	1,925	0.50	0.67	0.13	0.27	0.00	0.33	0.00	8
5875	LPRS-82-50 PARALLEL LIFT EXT SVC	23,303	6.07	8.24	1.51	3.23	0.00	4.03	0.00	88
5880	82-50 SHANKS EA	4,470	1.15	1.56	0.29	0.62	0.00	0.77	0.00	19
5885	V-LPRF-82-30 PARALLEL LIFT	21,321	5.55	7.54	1.38	2.95	0.00	3.68	0.00	89
5890	82-30 SHANKS EA	1,925	0.50	0.67	0.13	0.27	0.00	0.33	0.00	8
5895	D9,D8;82-30,82-50;TD25 HYDR BANK SLOP	9,047	2.01	2.53	0.54	1.07	0.00	1.25	0.00	28
	CATERPILLAR									
5905	D-10 MULTI-SHANK BEAM	49,313	12.73	17.34	3.19	6.82	0.00	8.51	0.00	218
5910	D-10 SHANKS EA	3,587	0.91	1.26	0.23	0.49	0.00	0.62	0.00	15
5915	D-10 SINGLE-SHANK BEAM	52,274	13.49	18.38	3.38	7.23	0.00	9.03	0.00	209
5920	D-9L MULTI-SHANK BEAM W/HYD-CONTROL	41,578	10.75	14.63	2.69	5.75	0.00	7.18	0.00	162
5925	D-9L SHANKS EA	3,229	0.83	1.13	0.21	0.45	0.00	0.56	0.00	14
5930	D-9L SINGLE-SHANK BEAM HYD-CNTL&SHANK	38,753	10.02	13.64	2.51	5.36	0.00	6.69	0.00	156
5935	D-8L MULTI-SHANK BEAM HYD-CONTROL	27,941	7.24	9.87	1.81	3.86	0.00	4.83	0.00	98
5940	D-8L SHANKS EA	1,807	0.46	0.64	0.12	0.25	0.00	0.32	0.00	7
5945	D-8L SINGLE-SHANK BEAM HYD-CNTL&SHANK	27,223	7.07	9.61	1.77	3.77	0.00	4.70	0.00	101
5950	D-7G MULTI-SHANK BEAM HYD-CONTROL	15,639	4.09	5.55	1.01	2.16	0.00	2.70	0.00	57
5955	D-7G SHANKS EA	926	0.24	0.32	0.06	0.13	0.00	0.16	0.00	3
5960	D-6D MULTI-SHANK BEAM HYD-CONTROL	9,770	2.59	3.50	0.63	1.35	0.00	1.69	0.00	34
5965	D-6D SHANKS EA	469	0.13	0.16	0.03	0.07	0.00	0.08	0.00	1
5970	D-4E MULTI-SHANK BEAM HYD-CONTROL	6,040	1.62	2.19	0.39	0.83	0.00	1.04	0.00	22
5975	D-4E SHANKS EA	257	0.07	0.09	0.02	0.04	0.00	0.04	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
	RIPPER & HYDR BANK SLOPER (CONT'D)									
	(DOES NOT INCLUDE COST OF POINT WEAR)									
	CATERPILLAR (CONT'D)									
5980	D-3B FIVE-SHANK BEAM HYD-CONTROL	2,655	0.76	1.01	0.18	0.37	0.00	0.46	0.00	7
5985	D-3B SHANKS EA	145	0.04	0.06	0.01	0.02	0.00	0.03	0.00	1
	FIAT-ALLIS									
5995	41-R W/HYD-CNTL AND 2 SHANKS	57,863	14.90	20.30	3.75	8.01	0.00	9.99	0.00	195
6000	31-R W/HYD-CNTL AND 2 SHANKS	47,221	12.16	16.59	3.06	6.53	0.00	8.16	0.00	189
6005	30-R W/HYD-CNTL AND 2 SHANKS	30,517	7.88	10.73	1.98	4.22	0.00	5.27	0.00	108
6010	RP20B W/HYD-CNTL AND 3 SHANKS	28,711	7.42	10.10	1.87	3.98	0.00	4.96	0.00	88
	ROLLER, RUBBER TIRED, SELF-PROPELLED									
	FERGUSON									
6020	MOD SP-912 12 TON 82 HP D	39,980	12.70		2.33	4.53	3.08			82
6025	MOD SP-915 15 TON 85 HP D	41,192	13.12		2.40	4.67	3.20			105
6030	MOD SP-1118 18 TON 85 HP D	50,354	15.17		2.93	5.71	3.20			111
6035	MOD SP-1130 30 TON 125 HP D	81,701	24.05		4.74	9.21	4.70			228
	INGRAM									
6045	9-2800-P 12 TON 76 HP D	31,180	10.49		1.81	3.51	2.86			73
6050	9-2800-PA 12 TON 76 HP D	33,603	11.04		1.96	3.80	2.86			86
6055	9-3400-P 15 TON 78 HP D	34,475	11.30		2.00	3.89	2.93			97
6060	11-2700 15 TON 107 HP G	33,184	18.19		1.92	3.72	8.69			89
6065	11-2700 15 TON 76 HP D	36,873	11.78		2.14	4.15	2.86			91
6070	13-2300 15 TON 107 HP G	34,622	18.52		2.00	3.87	8.69			86
6075	13-2300 15 TON 76 HP D	38,345	12.12		2.22	4.30	2.86			90
6080	9-6000 27 TON 117 HP D	83,983	24.20		4.86	9.42	4.40			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, R/T,SELF-PROPELLED (CONT'D)									
	TAMPO									
6090	SP-312 12 TON 68 HP D	34,543	10.85		2.00	3.90	2.56			66
6095	SP-518 15 TON 68 HP D	42,942	12.70		2.51	4.89	2.56			95
6100	SP-950 27 TON 130 HP D	87,561	25.56		5.09	9.88	4.89			198
6105	SP-1070 M 35 TON 130 HP D	106,403	30.14		6.07	11.54	4.89			258
	ROLLER, RUBBER TIRED, TOWED									
	FERGUSON									
6115	RT-100S 50 TON	58,949	12.40		3.13	5.47	0.00			200
6120	RT-120S 60 TON	68,554	15.29		3.85	7.19	0.00			218
	SOUTHWEST									
6130	C 75 75 TON	73,299	15.44		3.88	6.77	0.00			408
6135	C 50 50 TON	64,979	13.80		3.50	6.23	0.00			344
6140	C 100XL 100 TON	101,995	21.76		5.57	10.10	0.00			601
	TAMPO									
6150	R-13 14 TON	8,946	2.05		0.49	0.89	0.00			35
	ROLLER, SHEEPSFOOT,DOUBLE DRUM,TOWED									
	FERGUSON									
6160	MOD 112 40"X48" 3-7 TON	12,560	2.89		0.74	1.46	0.00			65
6165	MOD 112W 40"X48" 4.5-8 TON	16,050	3.66		0.95	1.86	0.00			91
6170	MOD 112W-48 48"X48" 5-10 TON	16,649	3.79		0.98	1.93	0.00			105
6175	MOD 120 60"X60" 8-18 TON	24,928	5.61		1.47	2.89	0.00			157
6180	MOD 120 MOD 60"X60" 8-18 TON	38,036	8.50		2.24	4.41	0.00			230
6185	MOD 120-RE 60"X60" 11-22.5TON	56,056	12.48		3.30	6.51	0.00			327
6190	MOD 22 60"X72" 16-20 TON	37,474	8.39		2.21	4.35	0.00			215
6195	MOD 22 MOD 60"X72" 16-20 TON	43,331	9.66		2.55	5.02	0.00			269

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

UNIT NO.	EQUTPMENT	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
	ROLLER, SHEEPSFOOT,DD,TOWED (CONT'D)									
	FERGUSON (CONT'D)									
6200	MOD 144-RE 60"X72" 19-24 TON	65,983	14.67		3.89	7.66	0.00			385
	TAMPO									
6210	H-1 TF 40"X48" 2.6TON	5,585	1.36		0.33	0.65	0.00			32
6215	H-2 TF 40"X48" 5 TON	11,278	2.62		0.67	1.31	0.00			63
	ROLLER, SHEEPSFOOT,DD,SELF-PROPELLED									
	CATERPILLAR									
6225	815 B 40.5"X38" 210 HP D	153,209	43.59		9.02	17.79	7.90			418
6230	825C 51"X41.5" 310 HP D	230,842	65.36		13.59	26.80	11.66			633
6235	825C W/S BLADE 310 HP D	243,068	68.05		14.31	28.21	11.66			684
	HYSTER									
6245	C455-B TANDEM 80"X80" ARTIC 330 HP D	252,978	71.16		14.89	29.36	12.41			573
	ROLLER, SMOOTH WHEEL,SELF-PROPELLED									
	FERGUSON									
6255	3-5 TON TANDEM 39 HP D	24,817	7.29		1.46	2.88	1.47			73
6260	4-6 TON TANDEM 39 HP D	30,093	8.46		1.78	3.50	1.47			92
6265	5-8 TON TANDEM 85 HP D	41,411	13.10		2.44	4.81	3.20			121
6270	8-10 TON TANDEM 85 HP D	44,804	13.85		2.64	5.20	3.20			162
6275	8-12 TON TANDEM 85 HP D	48,311	14.61		2.84	5.60	3.20			164
6280	10-14 TON TANDEM 85 HP D	53,104	15.67		3.12	6.16	3.20			206
	INGRAM									
6290	12 TON EB 3 WHEEL 3" OVERLAP 107 HP G	53,658	22.60		3.16	6.23	8.69			194
6295	12 TON EB 3 WHEEL 3" OVERLAP 85 HP D	57,348	16.61		3.37	6.65	3.20			196
6300	14 TON EB 3 WHEEL 3" OVERLAP 107 HP G	57,055	23.35		3.36	6.62	8.69			221

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, SMOOTH WHEEL,S/P (CONT'D)									
	INGRAM (CONT'D)									
6305	14 TON EB 3 WHEEL 3" OVERLAP 85 HP D	60,744	17.36		3.58	7.05	3.20			223
6310	4-6 TON FB 2 WHEEL TANDEM 54 HP G	25,195	10.98		1.48	2.92	4.38			82
6315	6-9 TON GB 2 WHEEL TANDEM 107 HP G	35,873	18.69		2.12	4.17	8.69			133
6320	6-9 TON GB 2 WHEEL TANDEM 76 HP D	39,563	12.27		2.33	4.59	2.86			135
6325	8-12 TON HB 2 WHEEL TANDEM 107 HP G	43,583	20.37		2.56	5.05	8.69			171
6330	8-12 TON HB 2 WHEEL TANDEM 76 HP D	47,274	13.98		2.78	5.49	2.86			173
6335	10-14 TON HB 2 WHEEL TANDEM 107 HP G	47,544	21.25		2.80	5.52	8.69			258
6340	10-14 TON HB 2 WHEEL TANDEM 76 HP D	51,252	14.85		3.02	5.95	2.86			262
	ROLLER, VIBRATORY,SINGLE DRUM,TOWED TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS									
	DYNAPAC									
6350	CK-11 40HZ 30"X55" 5 TON 18 HP G	12,896	6.35		0.84	1.76	2.01			31
6355	CF-11 40HZ TF 30"X55" 5 TON 18 HP G	15,734	7.20		1.02	2.14	2.01			32
6360	CH-47 27HZ 47"X74" 13 TON 43 HP D	32,614	12.56		2.11	4.44	2.26			130
6365	CF-47 27HZ TF 47"X74" 13 TON 43 HP D	35,342	13.38		2.28	4.81	2.26			135
6370	CK-51 25HZ 59"X83" 24 TON 95 HP D	50,576	21.31		3.27	6.88	4.98			221
6375	CF-51 25HZ TF 59"X83" 24 TON 95 HP D	52,844	21.99		3.41	7.19	4.98			216
	FERGUSON									
6385	65 25HZ TF 60"X72" 11 TON 49 HP D	34,979	13.66		2.26	4.76	2.57			110
6390	652 30HZ TF 44"X72" 11 TON 49 HP D	38,101	14.59		2.46	5.18	2.57			127
6395	230 25HZ 66"X78" 20 TON 77 HP D	61,617	23.44		3.98	8.38	4.04			237
6400	230T 25HZ TF 66"X78" 21 TON 77 HP D	66,759	24.98		4.31	9.08	4.04			268

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ROLLER, VIBRATORY,SD,TOWED (CONT'D)									
	TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS									
	HYSTER									
6410	C200B 30HZ 48"X60" 9 TON 36 HP D	31,399	11.73		2.03	4.27	1.89			80
6415	C210A 30HZ TF 58"X60" 9 TON 39 HP D	37,464	13.75		2.42	5.10	2.05			100
	RAYGO									
6425	SF-54A TF 38HZ 30"X54" 7.5TON 30 HP D	18,633	7.53		1.21	2.54	1.57			48
6430	SM-54A 38HZ 30"X54" 7.5TON 30 HP D	16,943	7.02		1.10	2.31	1.57			48
	SOUTHWEST									
6440	756 25HZ TF 66"X78"23.5TON 75 HP D	75,311	27.42		4.87	10.25	3.94			240
6445	566 33HZ TF 56"X72"25.5TON 50 HP D	57,627	20.49		3.72	7.84	2.62			165
	TAMPO									
6455	VC-80 27HZ 48"X60" 7.5TON 36 HP D	23,373	9.33		1.51	3.18	1.89			71
6460	VS-125 25HZ TF 48"X72" 11 TON 60 HP D	46,561	17.85		3.01	6.34	3.15			145
6465	VC-400 23HZ 60"X84"21.5TON 90 HP D	63,276	24.78		4.09	8.61	4.72			227
	ROLLER,VIB,SINGLE DRUM,SELF-PROPELLED									
	TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS									
	DYNAPAC									
6475	CA-15 29HZ 48"X66" 11 TON 73 HP D	56,892	21.78		3.66	7.67	3.83			126
6480	CA-15A 42HZ 48"X66" 12 TON 73 HP D	63,559	23.81		4.03	8.36	3.83			137
6485	CA-15PD 29HZ TF 53"X66" 13 TON 73 HP D	71,378	26.11		4.60	9.65	3.83			151
6490	CA-25A 40HZ 60"X84" 18 TON 125 HP D	85,633	33.79		5.49	11.47	6.56			213
6495	CA-25 28HZ 60"X84" 18 TON 125 HP D	68,427	28.64		4.37	9.10	6.56			193
6500	CA-25S 28HZ 61"X84" 22 TON 125 HP D	72,518	29.86		4.63	9.65	6.56			216
6505	CA-25PD 28HZ 68"X84" 22 TON 125 HP D	82,518	32.85		5.27	11.01	6.56			240

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ROLLER, VIBRATORY,SD,S/P (CONT'D)									
	**********									
	TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS									
	DYNAPAC (CONT'D)									
6510	CA-30 28HZ 61"X84" 22 TON 125 HP D	76,340	31.00		4.88	10.17	6.56			235
6515	CA-30D 28HZ 61"X84" 22 TON 125 HP D	94,145	36.34		6.03	12.60	6.56			245
	FERGUSON									
6525	SP 266 42HZ 48"X66" 15 TON 125 HP D	80,719	32.29		5.22	10.99	6.56			213
6530	SP 75BA 30HZ 60"X84" 18 TON 85 HP D	71,539	26.96		4.57	9.54	4.46			197
6535	SP 75D 30HZ 60"X84" 22.5 TON 120 HP D	75,358	30.39		4.81	10.04	6.30			179
6540	SP 75DT 30HZ TF 60"X84" 22.5 TON 120 HP D	84,722	33.19		5.42	11.31	6.30			224
	INGERSOLL RAND									
6550	SPF-56 30HZ TF 56"X84" 21 TON 115 HP D	85,150	32.99		5.45	11.37	6.03			222
6555	SP-60DD 25HZ 60"X100" 30 TON 210 HP D	133,192	53.57		8.52	17.78	11.02			450
	RAYGO									
6565	RASCAL 220A 30HZ TF38"X48" 6 TON 70 HP D	55,301	21.09		3.56	7.48	3.67			97
6570	RASCAL 303A 38HZ 48"X66" 8 TON 70 HP D	55,598	21.20		3.58	7.50	3.67			137
6575	RASCAL 320A 25HZ TF48"X60" 8 TON 80 HP D	72,647	26.95		4.68	9.82	4.20			151
6580	RASCAL 320S 25HZ 48"X60" 8 TON 80 HP D	63,449	24.20		4.08	8.56	4.20			144
6585	RUSTLER 304A 28HZ 48"X66" 8 TON 70 HP D	59,558	22.42		3.78	7.82	3.67			130
6590	RASCAL 400A 25HZ 59"X84"13.5TON 88 HP D	72,031	27.32		4.60	9.59	4.62			213
6595	RUSTLER 404B 28HZ 59"X84"13.5TON 88 HP D	82,434	30.42		5.28	11.03	4.62			175
6600	RASCAL 410A 25HZ 59"X84"13.5TON 88 HP D	78,363	29.21		5.01	10.45	4.62			230
6605	RASCAL 420C 25HZ TF60"X84" 16 TON 119 HP D	91,738	35.22		5.88	12.29	6.24			225
6610	RASCAL 4000 25HZ 60"X84" 20 TON 125 HP D	78,103	31.53		4.99	10.41	6.56			224
6615	RASCAL 510A 25HZ 60"X80"22.5TON 119 HP D	101,415	38.11		6.50	13.62	6.24			358
6620	RASCAL 600A 25HZ 60"X100"22.5TON 119 HP D	88,155	34.15		5.65	11.82	6.24			316
6625	RASCAL 450A 28HZ 59"X84"28.5TON 125 HP D	84,484	33.46		5.37	11.17	6.56			263

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ROLLER, VIBRATORY,SD,S/P (CONT'D)									
	**********									
	TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS									
	TAMPO									
6635	RS-16A 26HZ 48'X24" 7.5TON 68 HP D	56,041	21.23		3.54	7.33	3.57			124
6640	RS-16 26HZ 48"X24" 8 TON 68 HP D	49,101	19.13		3.15	6.61	3.57			115
6645	RS-16D 26HZ 48"X24" 8 TON 80 HP D	59,535	23.03		3.83	8.03	4.20			123
6650	RH-16A 26HZ 48"X24" 9 TON 75 HP D	65,525	24.53		4.16	8.63	3.94			153
6655	RP-16D 26HZ TF 48"X24" 9 TON 80 HP D	65,436	24.80		4.21	8.84	4.20			127
6660	RP-28D 25HZ TF 63"X84" 15 TON 110 HP D	85,765	32.85		5.48	11.45	5.77			212
6665	RS-28C 25HZ 60"X84" 15 TON 107 HP D	71,552	28.41		4.57	9.53	5.61			202
6670	RS-28D 25HZ 60"X84" 15 TON 107 HP D	77,262	30.12		4.94	10.30	5.61			208
6675	RH-28D 28HZ 60"X84"22.5TON 110 HP D	97,964	36.51		6.27	13.12	5.77			259
	ROLLER,VIB,DOUBLE DRUM,SELF-PROPELLED									
	**********									
	TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS									
	DYNAPAC									
6685	LR-50 60HZ TANDEM 2 TON 16 HP D	10,112	4.06		0.65	1.37	0.84			25
6690	CC-10 50HZ TANDEM 2 TON 34 HP D	29,248	10.96		1.89	3.98	1.78			50
6695	CC-21 50HZ TANDEM 4 TON 71 HP D	65,790	24.30		4.25	8.95	3.73			133
6700	CC-42II 42HZ TANDEM 12 TON 125 HP D	84,556	33.44		5.47	11.51	6.56			200
6705	CC-50A 40HZ TANDEM 18 TON 155 HP D	106,256	41.88		6.86	14.46	8.13			304
6710	CC-50S 28HZ TANDEM 22 TON 181 HP D	122,119	48.32		7.89	16.62	9.50			342
6715	CC-50PD 28HZ TF TANDEM 22 TON 225 HP D	138,394	56.05		8.94	18.83	11.81			419
	RAYGO									
6725	REBEL 1-36 40HZ TANDEM 2 TON 16 HP D	10,167	4.08		0.65	1.38	0.84			23
6730	ROMPER 2-36 40HZ TANDEM 4 TON 35 HP D	24,596	9.63		1.59	3.34	1.84			40
6735	RUSTLER 5604A 50HZ TANDEM 5.5TON 70 HP D	64,349	23.80		4.15	8.75	3.67			132

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ROLLER, VIBRATORY,DD,S/P (CONT'D)									
	TF=ROLLER W/TAMPING FEET VIBRATTON FREQUENCY IN HERTZ DYNAMTC FORCE SHOWN IN TONS									
	RAYGO (CONT'D)									
6740	RUSTLER 7204A 38HZ TANDEM 8 TON 115 HP D	85,443	33.05		5.52	11.63	6.03			250
6745	RANGER 2-66 38HZ TANDEM 8 TON 119 HP D	102,488	38.41		6.62	13.95	6.24			215
	TAMPO									
6755	RS-03 60HZ 36"X24" 2 TON 14 HP D	10,164	3.95		0.65	1.38	0.73			23
6760	RS-144A 50HZ 42"X48" 8 TON 52 HP D	51,414	18.76		3.32	6.99	2.73			100
6765	RS-166A 36HZ 48"X66" 16 TON 80 HP D	78,059	28.57		5.04	10.62	4.20			192
6770	RS-188A 36HZ 60"X84" 30 TON 156 HP D	104,971	41.57		6.78	14.29	8.19			310
6775	RH-199 25HZ 60"X96" 45 TON 262 HP D	156,448	63.86		10.10	21.29	13.75			491
	SCRAPERS, SELF-PROPELLED									
	(CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)									
	CATERPILLAR									
6785	613-B 13 T 11 CY P.S. 150 HP D	122,974	34.64	44.78	7.06	13.79	5.79	16.16	7.57	306
6790	621-B 24 T 14-20 CY P.S. 330 HP D	248,720	66.98	87.60	14.18	28.44	11.43	33.46	15.03	662
6795	623-B 25 T 22 CY P.S. 330 HP D	274,927	73.64	95.76	15.70	30.55	12.74	35.77	16.66	718
6800	627-B 24 T 14-20 CY P.S. 225/225 HP D/D	288,803	84.26	110.64	16.58	33.51	16.48	39.46	21.38	733
6805	627-B PP 24 T 14-20 CY P.S. 225/225 HP D/D	306,593	87.77	115.00	17.63	35.69	16.48	42.03	21.38	772
6810	631-D 37.5T 21-31 CY P.S. 450 HP D	379,349	98.95	128.89	21.70	43.71	15.59	51.45	20.49	934
6815	633-D 37.5T 34 CY P.S. 450 HP D	432,021	111.39	144.16	24.79	48.44	17.37	56.74	22.72	1042
6820	637-D 37.5T 21-31 CY P.S. 450/250 HP D/D	465,380	133.81	175.17	26.77	54.23	25.64	63.86	33.26	1053
6825	637-D PP 37.5T 21-31 CY P.S. 450/250 HP D/D	485,430	137.76	180.08	27.96	56.68	25.64	66.75	33.26	1077
6830	639-D 37.5T 24-34 CY P.S. 450/250 HP D/D	534,661	150.25	197.59	30.67	61.96	25.64	72.95	33.26	1223
6835	651-B 52 T 32-44 CY P.S. 550 HP D	487,421	126.40	164.87	27.83	55.98	19.06	65.87	25.05	1230
6840	657-B 52 T 32-44 CY P.S. 550/400 HP D/D	600,467	175.46	230.10	34.50	69.79	34.80	82.18	45.14	1516

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)									
	FIAT-ALLIS									
6855	161 18.7 T 15 CY P.S. 229 HP D	173,065	47.17	61.20	9.91	19.32	8.84	22.62	11.56	466
6860	260B 25.0 T 15-21 CY P.S. 325 HP D	233,377	63.04	82.19	13.34	26.86	11.26	31.62	14.80	585
6865	261B 26.5 T 23 CY P.S. 325 HP D	262,711	72.27	94.85	14.87	28.62	12.55	33.45	16.41	635
6870	262B 25.0 T 15-21 CY P.S. 325/171 HP D/D	277,229	84.09	110.54	15.89	32.09	18.17	37.79	23.57	679
6875	263-B 26.5 T 23 CY P.S. 325/171 HP D/D	329,450	93.94	122.49	19.00	38.59	18.17	45.47	23.57	742
	INTERNATIONAL									
6885	412B 13 T 11 CY P.S. 125 HP D	124,100	33.35	42.94	7.14	14.02	4.83	16.44	6.31	335
6890	431B 24 T 14-21 CY P.S. 326 HP D	247,032	66.03	86.10	14.12	28.41	11.30	33.43	14.85	609
6895	433B 24 T 14-21 CY P.S. 326/185 HP D/D	288,735	87.05	114.25	16.57	33.50	18.72	39.45	24.28	700
6900	442B 25 T 22 CY P.S. 326 HP D	276,113	73.24	94.96	15.82	30.87	12.59	36.16	16.46	680
	JOHN DEERE									
6910	JD762A 13.7 T 11 CY P.S. 175 HP D	131,355	37.43	48.17	7.58	14.88	6.76	17.45	8.84	355
6915	JD862 20.0 T 16 CY P.S. 250 HP D	177,967	49.11	63.70	10.19	19.89	9.65	23.31	12.62	492
	TEREX (GM)									
6925	S-23E 26.5T 23 CY P.S. 310 HP D	265,300	70.39	91.37	15.18	29.59	11.97	34.66	15.65	660
6930	S-24B 40.8T 24-34 CY P.S. 475 HP D	407,995	106.54	139.07	23.28	46.81	16.46	55.08	21.63	955
6935	TS-14B 23.5T 14-20 CY P.S. 144/144 HP D/D	262,651	70.84	92.94	15.09	30.54	10.55	35.97	13.69	544
6940	TS-18 30 T 18-24 CY P.S. 295/225 HP D/D	345,372	99.13	129.69	19.87	40.28	19.05	47.45	24.71	721
6945	TS-24 40 T 24-32 CY P.S. 394/225 HP D/D	456,974	128.15	167.74	26.29	53.27	22.67	62.75	29.41	960
6950	TS-24B 40.8T 24-34 CY P.S. 475/242 HP D/D	522,325	147.33	193.12	30.02	60.78	26.26	71.58	34.07	1084

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
	SCRAPER, TRACTOR DRAWN									
	ROME									
6965	ROME 18T 12-17CY HYDR/CONTROL	75,962	14.12	17.00	4.02	7.62	0.00	8.64	0.00	235
6970	ROME 27T 18-26CY HYDR/CONTROL	99,836	18.87	22.78	5.22	9.76	0.00	11.04	0.00	365
	SOUTHWEST									
6980	SOUTHWEST DS18 DRAG SCRAPER 8.8 CY	38,928	7.34	8.84	2.04	3.82	0.00	4.32	0.00	137
	SOIL STABILIZER									
	BOMAG									
6990	MOD MPH-50 12"DEEP BY 82"WIDE 152 HP D	94,785	27.22	35.34	5.54	11.03	5.87	12.95	7.67	208
6995	MOD MPH-100 14.5"DEEP X 79"WIDE 304 HP D	148,182	46.00	59.91	8.64	17.16	11.74	20.14	15.35	300
	BROS									
7005	MOD LSPRM-8A 19"DEEP X 99.75"WIDE 318 HP D	134,177	42.93	55.45	7.87	15.74	12.28	18.49	16.06	300
	TRACTOR, CRAWLER (DOZER)									
	CATERPILLAR									
7015	D-3B P.S. 65 HP D	39,048	13.00	16.70	2.30	4.44	2.64	5.19	3.47	130
7020	3P POWER ANGLE & POWER TILT	7,853	1.75	2.21	0.47	0.93	0.00	1.09	0.00	24
7025	D-4E P.S. 80 HP D	53,404	17.32	22.21	3.15	6.08	3.25	7.09	4.28	184
7030	4A ANGLE BLADE HYDRAULIC	9,446	2.08	2.65	0.56	1.11	0.00	1.31	0.00	28
7035	4S STRAIGHT BLADE HYDRAULIC	7,392	1.65	2.09	0.44	0.87	0.00	1.03	0.00	25
7040	D-5B P.S. 105 HP D	80,042	25.13	32.25	4.71	9.10	4.26	10.64	5.61	234
7045	5A ANGLE BLADE HYDRAULIC	12,644	2.77	3.51	0.75	1.49	0.00	1.75	0.00	43
7050	5S STRAIGHT BLADE HYDRAULIC	9,737	2.14	2.73	0.57	1.14	0.00	1.35	0.00	32
7055	D-6D P.S. 140 HP D	107,826	33.78	43.34	6.34	12.25	5.68	14.33	7.48	283
7060	6S STRAIGHT BLADE HYDRAULIC	12,828	2.80	3.57	0.75	1.51	0.00	1.78	0.00	49
7065	6A ANGLE BLADE HYDRAULIC	14,486	3.16	4.01	0.86	1.71	0.00	2.00	0.00	53
7070	D-7G P.S. 200 HP D	156,440	48.86	62.65	9.21	17.79	8.12	20.79	10.69	378

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)											
	CAIERPILLAR (CONT'D)											
7075	7S	STRAIGHT BLADE HYDRAULIC		20,625	4.46	5.67	1.22	2.43	0.00	2.85	0.00	77
7080	7U	HYD. UNIVERSAL BLADE		22,595	4.88	6.22	1.33	2.66	0.00	3.13	0.00	84
7085	7A	ANGLE BLADE HYDRAULIC		18,003	3.90	4.96	1.06	2.12	0.00	2.49	0.00	68
7090	D-8L	P.S.	335 HP D	244,021	71.71	92.22	14.37	28.74	13.60	33.76	17.91	735
7095	8S	STRAIGHT BLADE HYDRAULIC		30,178	6.48	8.26	1.77	3.55	0.00	4.17	0.00	120
7100	8U	HYD. UNIVERSAL BLADE		33,268	7.15	9.11	1.96	3.92	0.00	4.60	0.00	133
7105	8A	ANGLE BLADE HYDRAULIC		30,392	6.53	8.32	1.79	3.58	0.00	4.20	0.00	133
7110		PUSH PLATE USE W/8S		905	0.25	0.30	0.06	0.11	0.00	0.13	0.00	6
7115	D-9L	P.S.	460 HP D	325,728	86.58	108.21	17.83	34.91	18.67	39.69	24.59	1004
7120	9S	STRAIGHT BLADE HYDRAULIC		41,894	8.97	11.45	2.46	4.93	0.00	5.80	0.00	184
7125	9U	HYD. UNIVERSAL BLADE		44,277	9.49	12.09	2.61	5.22	0.00	6.12	0.00	195
7130	9C	CUSHION BLADE		36,880	7.92	10.09	2.18	4.35	0.00	5.10	0.00	160
7135		REAR CUSHION PUSH BLOCK		10,841	2.43	3.06	0.64	1.28	0.00	1.50	0.00	41
7140		FRONT PUSH PLATE		1,221	0.35	0.41	0.08	0.15	0.00	0.17	0.00	9
7145	D-10	P.S.	700 HP D	545,858	141.57	176.70	29.89	58.50	28.41	66.50	37.42	1526
7150	10S	STRAIGHT BLADE HYDRAULIC		63,162	13.49	17.22	3.72	7.44	0.00	8.74	0.00	280
7155	10U	HYD. UNIVERSAL BLADE		69,245	14.79	18.87	4.08	8.16	0.00	9.58	0.00	286
7160		FRONT PUSH PLATE		1,387	0.37	0.46	0.08	0.16	0.00	0.20	0.00	8
7165	10C	CUSHION BLADE		47,062	10.07	12.85	2.77	5.54	0.00	6.51	0.00	198
	FIAT-ALLIS											
7175	8-B	P.S.	88 HP D	60,005	19.33	24.82	3.53	6.82	3.57	7.97	4.70	215
7180	8-HA	ANGLE BLADE HYDRAULIC		9,124	2.02	2.56	0.54	1.08	0.00	1.27	0.00	30
7185	8-HSU	SEMI-U BLADE HYDRAHLIC		9,112	1.99	2.52	0.54	1.08	0.00	1.26	0.00	30
7190	10-C	P.S.	122 HP D	82,301	26.59	34.14	4.85	9.36	4.95	10.93	6.52	280
7195	10-HA	ANGLE BLADE HYDRAULIC		10,184	2.24	2.84	0.60	1.20	0.00	1.41	0.00	36
7200	10-HSU	SEMI-U BLADE HYDRAULIC		12,401	2.68	3.42	0.73	1.46	0.00	1.72	0.00	38

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)												
7205	14-C	P.S.	150 HP	D	106,223	33.94	43.54	6.25	12.08	6.09	14.11	8.02	335
7210	14-HA	ANGLE BLADE HYDRAULIC			15,550	3.38	4.31	0.92	1.83	0.00	2.16	0.00	51
7215	14-HSU	SEMI-U BLADE HYDRAULIC			15,527	3.35	4.26	0.92	1.83	0.00	2.14	0.00	51
7220	FD 20	P.S.	223 HP	D	159,426	50.82	65.19	9.39	18.13	9.05	21.18	11.92	535
7225	20-HA	ANGLE BLADE HYDRAULIC			16,670	3.62	4.61	0.98	1.96	0.00	2.31	0.00	66
7230	20-HS	STRAIGHT BLADE HYDRAULIC			17,474	3.79	4.81	1.03	2.06	0.00	2.41	0.00	66
7235	20-HSU	SEMI-U BLADE HYDRAULIC			23,614	5.06	6.46	1.39	2.78	0.00	3.27	0.00	79
7240	FD 30	P.S.	300 HP	D	252,663	71.86	92.36	14.88	29.75	12.18	34.96	16.04	775
7245	30HSU	HYD. SEMI-UNIVERSAL BLADE			33,055	7.07	9.02	1.95	3.89	0.00	4.57	0.00	127
7250	30-HU	FULL-U BLADE HYDRAULIC			33,401	7.14	9.11	1.97	3.93	0.00	4.62	0.00	114
7255	31	P.S.	425 HP	D	297,146	88.18	113.44	17.50	35.00	17.25	41.12	22.72	908
7260	31-HSU	SEMI-U BLADE HYDRAULIC			49,750	10.62	13.55	2.93	5.86	0.00	6.88	0.00	190
7265	31-HU	FULL-U BLADE HYDRAULIC			51,125	10.91	13.93	3.01	6.02	0.00	7.08	0.00	210
7270	31-HC	CUSHION BLADE			31,932	6.86	8.74	1.88	3.76	0.00	4.41	0.00	120
7275	FD 40	P.S.	455 HP	D	361,677	93.37	116.51	19.80	38.76	18.47	44.07	24.32	1128
7280	41-HSU	SEMI-U BLADE HYDRAULIC			57,524	12.27	15.65	3.39	6.78	0.00	7.95	0.00	222
7285	41-HU	FULL-U BLADE HYDRAULIC			65,347	13.93	17.78	3.85	7.70	0.00	9.04	0.00	254
7290	41-HC	CUSHION BLADE			36,446	7.82	9.98	2.15	4.29	0.00	5.05	0.00	120
	INTERNATIONAL												
7300	TD-7-E	P.S. W/HYD BLADE	65 HP	D	48,919	15.40	19.76	2.88	5.56	2.64	6.50	3.47	139
7305	TD-8-E	P.S. W/HYD BLADE	78 HP	D	61,325	19.13	24.53	3.61	6.97	3.17	8.15	4.17	172
7310	TD-12	P.S. W/HYD BLADE	110 HP	D	89,353	27.66	35.49	5.25	10.15	4.46	11.88	5.88	267
7315	TD-15-C	P.S.	140 HP	D	117,131	36.06	46.23	6.89	13.32	5.68	15.57	7.48	271
7320	15D-2	HYD. SEMI-UNIVERSAL BLADE			12,725	2.75	3.50	0.75	1.50	0.00	1.76	0.00	46
7325	15G-2	ANGLE BLADE HYDRAULIC			14,332	3.10	3.95	0.84	1.69	0.00	1.99	0.00	50
7330	TD-20-E	P.S.	210 HP	D	178,078	54.65	70.07	10.48	20.24	8.52	23.66	11.23	476

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)									
	INTERNATIONAL (CONT'D)									
7335	20D-2 HYD. SEMI-UNIVERSAL BLADE	22,331	4.79	6.11	1.32	2.63	0.00	3.09	0.00	61
7340	20G-2 ANGLE BLADE HYDRAULIC	15,355	3.31	4.22	0.90	1.81	0.00	2.13	0.00	71
7345	TD-25-E P.S. 310 HP D	234,267	68.25	87.76	13.80	27.59	12.58	32.42	16.57	700
7350	25D-2 HYD. SEMI-UNIVERSAL BLADE	27,843	5.96	7.60	1.64	3.28	0.00	3.85	0.00	113
7355	25G-2 ANGLE BLADE HYDRAULIC	23,189	4.97	6.34	1.37	2.73	0.00	3.21	0.00	115
7360	FRONT PUSHER CUSHION	9,569	2.12	2.68	0.57	1.13	0.00	1.33	0.00	29
7365	REAR PUSHER CUSHION	5,615	1.32	1.66	0.33	0.66	0.00	0.78	0.00	23
7370	FRONT PUSH BLK FOR S/BLD	953	0.28	0.34	0.06	0.11	0.00	0.13	0.00	12
	JOHN DEERE									
7380	JD350C/6305 D.D. W/HYD BLADE 42 HP D	33,136	10.32	13.25	1.95	3.76	1.70	4.40	2.25	107
7385	JD450C/6405 D.D. W/HYD BLADE 65 HP D	48,016	15.19	19.48	2.83	5.46	2.64	6.38	3.47	143
7390	JD550/6405 P.S. W/HYD BLADE 72 HP D	57,400	17.86	22.89	3.38	6.53	2.92	7.63	3.85	156
	KOMATSU									
7400	D31A-16 H.S. 63 HP D	40,245	13.18	16.94	2.37	4.57	2.56	5.35	3.37	128
7405	ANGLE TILTDOZER BLADE	6,518	1.44	1.82	0.39	0.77	0.00	0.90	0.00	20
7410	D45A-1 H.S. 90 HP D	60,504	19.56	25.12	3.56	6.87	3.65	8.04	4.81	200
7415	ANGLE TILTDOZER BLADE	4,749	1.06	1.34	0.28	0.56	0.00	0.66	0.00	24
7420	D53A-16A H.S. 118 HP D	87,697	27.70	35.54	5.16	9.97	4.79	11.66	6.31	246
7425	ANGLE TILTDOZER BLADE	7,929	1.73	2.20	0.47	0.93	0.00	1.10	0.00	42
7430	D65E-6 H.S. 155 HP D	123,544	38.41	49.26	7.27	14.04	6.29	16.41	8.29	377
7435	ANGLE TILTDOZER BLADE	10,409	2.26	2.87	0.62	1.23	0.00	1.44	0.00	61
7440	D85A-18 H.S. 220 HP D	155,589	49.72	63.79	9.16	17.69	8.93	20.67	11.76	437
7445	ANGLE TILTDOZER BLADE	16,323	3.51	4.48	0.96	1.92	0.00	2.26	0.00	99
7450	U-DOZER BLADE	17,401	3.75	4.77	1.02	2.05	0.00	2.41	0.00	104
7455	D155A-1 H.S. 320 HP D	222,743	66.18	85.13	13.12	26.24	12.99	30.82	17.11	690
7460	ANGLE TILTDOZER BLADE	22.442	4.81	6.14	1.32	2.64	0.00	3.10	0.00	140

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)											
	KOMATSU (CONT'D)											
7465	U-DOZER BLADE			23,648	5.08	6.47	1.40	2.79	0.00	3.27	0.00	142
7470	D355A-3	H.S.	410 HP D	298,070	87.62	112.70	17.55	35.10	16.64	41.24	21.92	945
7475	U-DOZER BLADE			30,557	6.54	8.34	1.80	3.60	0.00	4.23	0.00	196
7480	STRAIGHT DOZER BLADE			27,874	5.97	7.62	1.64	3.28	0.00	3.86	0.00	184
7485	D455A-1	H.S.	620 HP D	527,039	133.93	166.98	28.85	56.48	25.17	64.22	33.15	1445
7490	FULL U-DOZER BLADE			71,284	15.19	19.39	4.20	8.40	0.00	9.86	0.00	229
7495	U-DOZER BLADE			66,958	14.27	18.22	3.95	7.89	0.00	9.26	0.00	211
7500	STRAIGHT DOZER BLADE			62,630	13.35	17.05	3.69	7.38	0.00	8.67	0.00	193
	TEREX (GM)											
7510	82-20B	P.S. (W/O BLADE)	205 HP D	179,070	54.62	70.03	10.53	20.35	8.32	23.80	10.96	428
7515	SEMI-U BLADE HYDRAULIC			16,021	3.46	4.39	0.95	1.89	0.00	2.21	0.00	58
7520	ANGLE BLADE HYDRAULIC			17,973	3.87	4.92	1.06	2.12	0.00	2.48	0.00	69
7525	FULL-U BLADE HYDRAULIC			18,378	3.95	5.03	1.08	2.16	0.00	2.54	0.00	68
7530	82-30B	P.S. (W/O BLADE)	260 HP D	212,174	60.76	78.09	12.50	24.99	10.55	29.36	13.90	603
7535	SEMI-U BLADE HYDRAULIC			22,735	4.87	6.21	1.34	2.67	0.00	3.14	0.00	91
7540	ANGLE BLADE HYD. W/DUAL TILT			29,797	6.38	8.13	1.76	3.51	0.00	4.12	0.00	118
7545	FULL-U BLADE HYDRAULIC			25,835	5.53	7.07	1.52	3.04	0.00	3.58	0.00	107
7550	REAR CUSHION PUSH BLOCK			7,480	1.71	2.15	0.44	0.88	0.00	1.03	0.00	30
7555	82-50	P.S. (W/O BLADE)	370 HP D	297,651	85.51	109.92	17.53	35.06	15.02	41.19	19.78	833
7560	SEMI-U BLADE HYDRAULIC			29,696	6.36	8.10	1.75	3.50	0.00	4.10	0.00	118
7565	FULL-U BLADE HYDRAULIC			32,543	6.96	8.88	1.92	3.83	0.00	4.50	0.00	129
7570	ANGLE BLADE HYDRAULIC			29,275	6.27	7.99	1.73	3.45	0.00	4.05	0.00	157
7575	PUSH PLATE (WELD ON)			1,213	0.31	0.38	0.08	0.15	0.00	0.17	0.00	6
7580	PUSH BLOCK (CUSHION REAR)			6,831	1.57	1.96	0.41	0.81	0.00	0.94	0.00	21

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 (DOZER)									
	CATERPILLAR									
7590	814-B ARTICULATED ST BLADE P.S. 210 HP D	161,119	41.69	54.79	9.33	18.46	7.90	21.66	10.39	494
7595	824-C ARTICULATED ST BLADE P.S. 300 HP D	237,453	62.42	83.91	13.60	26.63	11.29	31.22	14.85	624
	CLARK									
7605	280B ARTICULATED ST BLADE P.S. 302 HP D	258,413	66.58	89.34	14.82	29.05	11.36	34.05	14.95	749
7610	380B ARTICULATED ST BLADE P.S. 572 HP D	438,675	113.96	152.66	24.91	48.32	21.52	56.55	28.31	1253
	TRACTOR, WHEEL TYPE (FARM)									
	JOHN DEERE									
7620	MOD 301 A 43 HP D	14,023	4.81	6.34	0.81	1.60	1.62	1.87	2.13	38
7625	MOD 302 50 HP D	15,788	5.48	7.18	0.92	1.81	1.88	2.12	2.47	42
7630	MOD 401 B 62 HP D	17,834	6.46	8.47	1.03	2.03	2.33	2.38	3.07	45
	TRENCHER, CHAIN - DITCH WITCH									
7640	MOD C99 6"X24" TRENCH 9 HP G	3,524	1.77	2.29	0.21	0.40	0.73	0.46	0.95	6
7645	MOD 2200 8"X36" TRENCH 18 HP G	15,634	5.52	7.11	0.92	1.80	1.46	2.11	1.90	30
7650	MOD 2300 10"X36" TRENCH 28 HP G	17,894	7.11	9.16	1.05	2.07	2.27	2.42	2.96	33
7655	MOD 6510 12"X54" TRENCH 64 HP D	39,423	12.15	15.68	2.30	4.53	2.41	5.32	3.17	72
7660	MOD R100 10"X72" TRENCH 101 HP D	84,861	24.35	31.36	4.96	9.79	3.80	11.48	5.00	95
	TRENCHER, WHEEL TYPE									
	BARBER-GREENE									
7670	MOD TA 56 16"X5'-10" TRENCH 100 HP D	138,417	36.46	46.82	8.15	16.19	3.76	19.00	4.95	250
7675	MOD TA 65 28"X7'-6" TRENCH 175 HP D	199,996	54.15	69.58	11.77	23.39	6.58	27.46	8.66	431

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									
7685	MOD 247-HD-1 21"X7' TRENCH 84 HP D	147,352	37.73	48.40	8.67	17.23	3.16	20.22	4.16	277
7690	MOD 400W-HD-1 36"X9' TRENCH 175 HP D	257,611	67.33	86.42	15.17	30.13	6.58	35.36	8.66	659
	TRUCKS, HIGHWAY ********** (CHASSIS ONLY)									
	FORD									
7705	F150 4X2 1/2T PKUP 6100 GVW 157 HP G	7,590	6.16	8.01	0.54	1.21	2.90	1.40	3.86	38
7710	F150 4X4 1/2T PKUP 6250 GVW 157 HP G	9,374	6.72	8.73	0.68	1.51	2.90	1.75	3.86	42
7715	F250 4X2 3/4T PKUP 6900 GVW 157 HP G	8,073	6.35	8.24	0.58	1.28	2.90	1.48	3.86	40
7720	F250 4X4 3/4T PKUP 7400 GVW 157 HP G	9,731	6.88	8.92	0.71	1.56	2.90	1.79	3.86	44
7725	F350 2AX 10000 GVW 157 HP G	9,194	6.74	8.74	0.65	1.43	2.90	1.65	3.86	42
7730	F600 2AX 18500 GVW 154 HP G	16,545	12.62	16.47	1.03	2.09	6.63	2.59	8.52	65
7735	F600 2AX 18500 GVW 162 HP D	22,615	9.92	13.17	1.42	2.90	3.69	3.59	4.80	65
7740	F700 2AX 24500 GVW 177 HP G	19,056	14.48	18.91	1.20	2.43	7.62	3.01	9.80	65
7745	F700 2AX 24500 GVW 162 HP D	25,542	10.56	14.04	1.61	3.29	3.69	4.07	4.80	73
7750	F800 2AX 27000 GVW 177 HP G	21,421	15.04	19.67	1.34	2.71	7.62	3.36	9.80	72
7755	F800 2AX 27000 GVW 162 HP D	27,200	11.17	14.85	1.69	3.38	3.69	4.18	4.80	76
7760	LT800 3AX 43000 GVW 223 HP G	32,697	26.50	34.66	2.04	4.12	14.26	5.10	18.38	110
7765	LT8000 3AX 44800 GVW 175 HP D	44,746	18.09	24.08	2.81	5.69	5.98	7.03	7.78	126
7770	LTS8000 3AX 46000 GVW 175 HP D	46,812	18.55	24.70	2.94	5.95	5.98	7.36	7.78	130
7775	LNT8000 3AX 46000 GVW 175 HP D	44,273	17.99	23.93	2.78	5.61	5.98	6.93	7.78	124
7780	CT8000 3AX 46000 GVW 175 HP D	51,561	19.60	26.13	3.25	6.59	5.98	8.15	7.78	136
7785	LT9000 3AX 58000 GVW 82000 GCW 239 HP D	67,751	26.16	34.87	4.27	8.66	8.17	10.71	10.63	172
7790	LTS9000 3AX 60000 GVW 82000 GCW 239 HP D	71,929	27.11	36.16	4.52	9.17	8.17	11.35	10.63	180
7795	LNT9000 3AX 60000 GVW 82000 GCW 239 HP D	68,254	26.30	35.06	4.29	8.68	8.17	10.74	10.63	175
7800	CLT9000 3AX 82000 GCW 286 HP D	66,984	27.96	37.23	4.22	8.59	9.78	10.64	12.72	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									
7810	C10903 4X2 1/2T PKUP 6100 GVW 165 HP G	8,759	6.71	8.74	0.63	1.40	3.04	1.62	4.06	46
7815	C10906 4X2 SUBURBAN 6800 GVW 160 HP G	11,139	7.31	9.47	0.81	1.80	2.95	2.08	3.94	52
7820	K10906 4X4 SUBURBAN 7000 GVW 165 HP G	12,108	7.74	10.03	0.88	1.97	3.04	2.26	4.06	56
7825	C20903 4X2 3/4T PKUP 8600 GVW 165 HP G	11,404	7.51	9.74	0.83	1.84	3.04	2.12	4.06	49
7830	K20903 4X4 3/4T PKUP 6600 GVW 165 HP G	11,685	7.63	9.89	0.85	1.89	3.04	2.17	4.06	54
7835	C30903 2AX 9000 GVW 160 HP G	11,304	7.43	9.64	0.81	1.78	2.95	2.06	3.94	62
7840	C5D042 2AX 18500 GVW 161 HP G	15,113	12.69	16.55	0.94	1.89	6.93	2.35	8.91	59
7845	C6D042 2AX 19200 GVW 161 HP G	16,462	13.00	16.95	1.03	2.08	6.93	2.57	8.91	64
7850	C6D042 2AX 21200 GVW 165 HP D	21,288	9.72	12.89	1.34	2.73	3.76	3.37	4.89	73
7855	C7D042 2AX 23160 GVW 179 HP G	17,630	14.33	18.66	1.10	2.21	7.71	2.72	9.91	73
7860	C7D042 2AX 27500 GVW 185 HP D	30,381	12.42	16.52	1.90	3.86	4.22	4.78	5.48	92
7865	C7D064 3AX 48500 GVW 207 HP G	33,631	25.51	33.36	2.09	4.17	13.24	5.15	17.06	126
7870	C7D064 3AX 44860 GVW 205 HP D	37,974	17.97	23.81	2.37	4.76	7.01	5.88	9.11	128
7875	J8C042 2AX 35000 GVW 235 HP D	40,504	19.63	26.02	2.55	5.17	8.04	6.40	10.45	112
7880	J8C064 3AX 44860 GVW 210 HP D	41,991	19.06	25.30	2.62	5.29	7.18	6.54	9.34	134
7885	J9C042 2AX 35000 GVW 230 HP D	46,713	17.42	23.22	2.95	6.01	5.24	7.44	6.82	118
7890	J9C064 3AX 50000 GVW 335 HP D	56,815	27.80	36.85	3.57	7.27	11.46	9.00	14.89	148
7895	N9E064 3AX 56000 GVW 307 HP D	65,598	28.61	38.00	4.13	8.37	10.50	10.36	13.65	165
7900	N9E064 3AX 62000 GVW 307 HP D	65,904	28.79	38.24	4.13	8.35	10.50	10.33	13.65	168
	INTERNATIONAL									
7910	SCOUT 4X4 6200 GVW 97 HP G	8,667	5.05	6.54	0.63	1.39	1.79	1.61	2.39	30
7915	1624 2AX 20000 GVW 147 HP G	13,240	11.44	14.88	0.84	1.69	6.33	2.08	8.14	57
7920	1724 2AX 20000 GVW 147 HP G	13,756	11.54	15.04	0.87	1.75	6.33	2.17	8.14	65
7925	1754 2AX 20000 GVW 165 HP D	19,030	9.15	12.14	1.21	2.46	3.76	3.04	4.89	71
7930	1824 2AX 21000 GVW 189 HP G	14,602	14.10	18.36	0.92	1.86	8.14	2.30	10.46	68
7935	1854 2AX 23000 GVW 180 HP D	21,689	10.25	13.59	1.37	2.78	4.10	3.44	5.34	74

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRUCKS, HIGHWAY (CONT'D) ********** (CHASSIS ONLY)									
	INTERNATIONAL (CONT'D)									
7940	1924 2AX 25000 GVW 190 HP G	17,103	14.79	19.26	1.08	2.17	8.18	2.67	10.52	79
7945	1954 2AX 25000 GVW 210 HP D	28,058	12.53	16.62	1.78	3.63	4.79	4.49	6.22	100
7950	F2554 3AX 43000 GVW 210 HP D	46,182	19.98	26.56	2.90	5.85	7.18	7.24	9.34	123
7955	F2574 3AX 50000 GVW 230 HP D	55,085	22.82	30.37	3.46	7.04	7.87	8.72	10.23	123
7960	F4370 3AX 46000 GVW 290 HP D	58,021	26.09	34.65	3.65	7.43	9.92	9.20	12.89	133
7965	F5050 3AX 52000 GVW 225 HP D	56,214	22.83	30.42	3.54	7.19	7.69	8.91	10.00	138
7970	F5070 3AX 52000 GVW 290 HP D	60,309	26.60	35.34	3.80	7.74	9.92	9.58	12.89	140
	KENWORTH									
7980	K100 3AX 47400 GVW 72800 GCW 290 HP D	73,944	29.62	39.46	4.67	9.54	9.92	11.82	12.89	138
7985	W900 3AX 50000 GVW 76800 GCW 290 HP D	75,289	29.93	39.86	4.77	9.73	9.92	12.04	12.89	140
7990	C500 3AX 56000 GVW 86000 GCW 290 HP D	82,958	31.61	42.17	5.25	10.75	9.92	13.32	12.89	144
	PETERBILT									
8000	MOD 348 3AX 56000 GVW 250 HP D	71,181	27.34	36.42	4.49	9.12	8.55	11.29	11.11	121
8005	MOD 362 3AX 50000 GVW 76800 GCW 350 HP D	78,399	33.23	44.23	4.97	10.14	11.97	12.57	15.56	131
8010	MOD 359 3AX 50000 GVW 76800 GCW 350 HP D	84,607	34.59	46.08	5.36	10.97	11.97	13.59	15.56	134
8015	MOD 353 3AX 73000 GVW 125000 GCW 350 HP D	88,273	35.39	47.18	5.60	11.46	11.97	14.20	15.56	174
8020	MOD 387 3AX 83000 GVW 150000 GCW 350 HP D	118,516	42.03	56.24	7.54	15.50	11.97	19.22	15.56	193
	TRUCK ACCESSORIES ********** (CHASIS NOT INCLUDED)									
	CRANES, HYDRAULIC									
8030	5.3T@5'RAD 24000 GVW MIN	24,558	6.00		1.60	3.42	0.00			79
8035	8.0T@3'RAD 26500 GVW MIN	29,683	7.21		1.92	4.12	0.00			84
8040	12.5T@4'RAD 27000 GVW MIN	46,171	11.17		2.99	6.41	0.00			142
8045	13.5T@4'RAD 44000 GVW MIN	57,472	13.89		3.73	7.99	0.00			158
8050	15.0T@4'RAD 48000 GVW MIN	65,796	15.87		4.27	9.14	0.00			211

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
	TRUCK ACCESSORIES (CONT'D) ********** (CHASIS NOT INCLUDED)									
	DUMP BODY, REAR, W/HOIST									
8060	5CY 24000 TO 26000 GVW	6,274	1.59	2.14	0.41	0.87	0.00	1.09	0.00	26
8065	AIR GATE 8CY 27000 TO 30000 GVW	9,940	2.47	3.34	0.65	1.38	0.00	1.72	0.00	44
8070	AIR GATE 10CY 36000 AND UP GVW	10,055	2.49	3.38	0.65	1.39	0.00	1.74	0.00	45
8075	AIR GATE 12CY 36000 AND UP GVW	10,202	2.54	3.43	0.66	1.42	0.00	1.77	0.00	46
	FLATBEDS									
8085	8'X9.5'	2,042	0.49		0.13	0.28	0.00			11
8090	8'X10.5'	2,112	0.50		0.13	0.29	0.00			12
8095	8'X12.5'	2,315	0.55		0.15	0.32	0.00			14
8100	8'X14.5'	2,746	0.66		0.18	0.38	0.00			16
8105	8'X16.5'	3,013	0.72		0.20	0.42	0.00			18
8110	FLATBED-HOIST	2,801	0.67		0.18	0.39	0.00			10
8115	FLATBED-SIDEBOARDS	805	0.19		0.05	0.11	0.00			3
	HOISTS, ELECTRIC									
8125	1500LB@1.75'	2,141	0.61		0.14	0.30	0.00			4
8130	2400LB@3'	2,766	0.75		0.18	0.38	0.00			6
8135	5000LB@4'	7,529	1.89		0.49	1.04	0.00			15
8140	6000LB@6'	8,356	2.10		0.55	1.17	0.00			14
	TRANSIT MIXERS									
8150	7 CY 40000 - 50000 GVW RQD	26,765	6.54		1.73	3.71	0.00			63
8155	8 CY 50000 - 70000 GVW RQD	27,197	6.65		1.76	3.78	0.00			66
8160	8.5CY 55000 - 75000 GVW RQD	27,487	6.72		1.78	3.82	0.00			68
8165	9 CY 61000 - 80000 GVW RQD	27,914	6.82		1.81	3.88	0.00			73

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)									
	WATER TANKS									
8175	2000 GAL 23500-28000 GVW	11,979	2.87		0.78	1.66	0.00			35
8180	2500 GAL 25000-34950 GVW	12,638	3.03		0.82	1.76	0.00			39
8185	3000 GAL 29000-40000 GVW	13,453	3.23		0.87	1.87	0.00			44
	TRUCK TRAILERS **********									
	BOTTOM DUMP									
8195	18CY 27T	29,649	5.88	7.44	1.69	3.29	0.00	3.86	0.00	122
8200	20CY 30T	34,118	6.72	8.51	1.96	3.83	0.00	4.48	0.00	140
8205	30CY 30T	33,961	6.69	8.46	1.95	3.81	0.00	4.45	0.00	160
8210	28CY 42T	42,809	8.42	10.66	2.46	4.79	0.00	5.61	0.00	180
8215	20CY 35T OFF-HIGHWAY	44,676	8.78	11.11	2.57	5.02	0.00	5.87	0.00	175
8220	32CY 55T OFF-HIGHWAY	93,239	18.62	23.51	5.26	10.10	0.00	11.80	0.00	365
8225	43CY 70T OFF-HIGHWAY	103,348	20.72	26.16	5.80	11.09	0.00	12.96	0.00	445
	END DUMP									
8235	20CY 24T	35,249	6.93	8.77	2.03	3.96	0.00	4.63	0.00	146
	LOWBOY, RIGID NECK, DROP DECK									
8245	25 TON 2 AXLE	22,032	3.92		1.26	2.18	0.00			89
8250	30 TON 2 AXLE	25,015	4.42		1.42	2.46	0.00			94
8255	35 TON 2 AXLE	30,277	5.31		1.73	3.01	0.00			109
8260	35 TON 3 AXLE	31,056	5.52		1.76	3.04	0.00			134
8265	40 TON 3 AXLE	32,865	5.88		1.86	3.21	0.00			144
8270	50 TON 3 AXLE	35,888	6.41		2.03	3.50	0.00			161
8275	60 TON 3 AXLE	39,643	7.10		2.23	3.82	0.00			188
8280	70 TON 3 AXLE	52,127	9.15		2.97	5.15	0.00			213
8285	75 TON 3 AXLE	53,304	9.35		3.04	5.28	0.00			228

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRUCK TRAILERS (CONT'D) **********									
	LOWBOY (CONT'D)									
8290	80 TON 4 AXLE	62,003	10.85		3.54	6.17	0.00			266
8295	90 TON 4 AXLE	68,438	11.98		3.91	6.81	0.00			297
8300	110 TON 4 AXLE	74,577	13.04		4.25	7.41	0.00			313
8305	120 TON 4 AXLE	84,671	15.02		4.78	8.22	0.00			351
8310	HELPER DOLLY 60 T TRAILER MAX	17,848	3.28		1.00	1.69	0.00			62
	PLATFORM TRAILERS									
8320	25 TON 2 AXLE	17,247	3.17		0.96	1.62	0.00			110
	PUP TRAILERS									
8330	8 CY LONG TONGUE	20,925	3.81		1.18	2.02	0.00			86
8335	10CY LONG TONGUE	21,082	3.83		1.19	2.04	0.00			86
	TILT TRAILERS									
8345	12 TON 2 AXLE	11,043	2.06		0.61	1.04	0.00			62
8350	16 TON 2 AXLE	11,380	2.14		0.64	1.07	0.00			65
8355	20 TON 2 AXLE	12,852	2.42		0.71	1.19	0.00			67
	WATER TANKER TRAILERS									
8365	4000 GAL 63 HP D	31,804	7.96		1.72	3.23	2.37			120
8370	5000 GAL 63 HP D	33,765	8.33		1.81	3.35	2.37			150
8375	6000 GAL 63 HP D	35,291	8.56		1.90	3.51	2.37			160
	TRUCKS, OFF-HIGHWAY **********									
	CATERPILLAR									
8385	769-C 35T 22-30 CY P.S. 450 HP D	287,084	65.94	84.63	15.42	29.65	10.69	33.64	13.81	711
8390	773-B 50T 30-45 CY P.S. 650 HP D	403,194	94.56	122.16	21.55	41.25	15.44	46.79	19.95	908
8395	777 85T 47-67 CY P.S. 870 HP D	561,520	128.30	165.51	29.76	56.46	20.67	63.97	26.70	1391
8400	768C PRIME MOVER TRACTOR P.S. 450 HP D	256,999	60.98	78.55	13.77	26.41	10.69	29.97	13.81	530

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)									
	CATERPILLAR (CONT'D)									
8405	772B PRIME MOVER TRACTOR P.S. 650 HP D	383,806	93.35	121.87	20.35	38.63	15.44	43.77	19.95	707
	DJB (ARTICULATED FRAME)									
8415	D275B 27.5T 15-20 CY P.S. 235 HP D	189,490	41.10	52.41	10.14	19.43	5.58	22.04	7.21	424
8420	D330B 33T 17-23 CY P.S. 255 HP D	226,835	48.02	61.01	12.17	23.40	6.06	26.55	7.83	444
8425	D350B 35T 20-26 CY P.S. 255 HP D	236,865	51.42	66.25	12.55	23.80	6.06	26.98	7.83	472
8430	D550 55T 32-43 CY P.S. 450 HP D	395,249	86.01	110.47	21.01	39.95	10.69	45.27	13.81	834
	EUCLID									
8440	R25-215FD 25T 14-19 CY P.S. 214 HP D	189,051	39.73	50.60	10.13	19.46	5.08	22.09	6.57	404
8445	R35-302TD 35T 22-30 CY P.S. 450 HP D	299,653	67.59	86.39	16.13	31.11	10.69	35.31	13.81	623
8450	R50-301LD 50T 31-41 CY P.S. 608 HP D	393,238	91.60	118.43	21.00	40.18	14.45	45.57	18.66	836
8455	R75-301ND 75T 46-69 CY P.S. 646 HP D	525,487	114.43	147.40	27.89	52.98	15.35	60.05	19.83	1123
8460	R85-306ND 85T 52-67 CY P.S. 755 HP D	541,148	121.31	156.70	28.65	54.27	17.94	61.48	23.17	1227
	INTERNATIONAL									
8470	350B 50T 31-42 CY P.S. 580 HP D	381,138	87.61	113.00	20.50	39.50	13.78	44.84	17.80	740
	TEREX									
8480	33-03B 22T 15-18 CY P.S. 215 HP D	167,237	36.94	47.40	8.97	17.26	5.11	19.59	6.60	400
8485	33-05B 30T 19-23 CY P.S. 321 HP D	240,476	53.57	68.80	12.90	24.80	7.63	28.14	9.85	525
8490	33-07 40T 25-32 CY P.S. 493 HP D	297,051	71.75	93.57	15.77	29.95	11.71	33.93	15.13	756
8495	33-09 55T 34-44 CY P.S. 624 HP D	400,874	95.33	124.26	21.28	40.46	14.83	45.85	19.15	992
8500	33-11C 85T 51-65 CY P.S. 840 HP D	564,197	127.79	164.84	29.91	56.74	19.96	64.30	25.78	1350
	WABCO									
8510	HAULPAK35D 35T 23-29 CY P.S. 420 HP D	297,405	66.68	85.49	15.98	30.75	9.98	34.90	12.89	630
8515	HAULPAK50B 50T 31-40 CY P.S. 576 HP D	412,369	93.75	121.00	22.05	42.24	13.69	47.91	17.68	792
8520	HAULPAK60B 60T 34-48 CY P.S. 642 HP D	445,732	103.29	134.09	23.74	45.28	15.25	51.34	19.70	900

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)									
	WABCO (CONT'D)									
8525	75C 75T 44-57 CY P.S. 679 HP D	500,705	110.87	142.74	26.59	50.56	16.13	57.30	20.84	950
8530	85D 85T 47-67 CY P.S. 818 HP D	557,523	126.00	162.57	29.54	56.03	19.44	63.48	25.10	1240
	TRUCKS, WATER									
	TRACTOR DRAWN - KLEIN									
8540	KT-50 5000 GAL. CAT 613B P.S. 150 HP D	133,491	29.52	36.32	7.20	12.88	5.64	14.48	7.42	320
8545	KT-60 6000 GAL. CAT 621B P.S. 330 HP D	234,117	55.55	68.75	12.55	22.25	12.41	24.98	16.33	564
8550	KT-80 8000 GAL. CAT 631D P.S. 450 HP D	320,699	76.29	94.48	17.14	30.30	16.93	34.02	22.27	740
8555	KT-100 10000 GAL. CAT 631D P.S. 450 HP D	328,994	77.61	96.04	17.60	31.15	16.93	34.96	22.27	798
8560	KT-100 10000 GAL. CAT 641B P.S. 550 HP D	370,117	89.81	111.37	19.75	34.82	20.69	39.05	27.22	931
8565	KT-120 12000 GAL. CAT 651B P.S. 550 HP D	390,218	92.99	115.17	20.85	36.85	20.69	41.35	27.22	1097
	TRACTOR DRAWN - SOUTHWEST									
8575	STT-60 6000 GAL. CAT 621B P.S. 330 HP D	232,242	55.25	68.40	12.44	22.06	12.41	24.77	16.33	594
8580	STT-80 8000 GAL. CAT 631D P.S. 450 HP D	318,937	76.01	94.15	17.04	30.13	16.93	33.82	22.27	800
8585	STT-100 10000 GAL. CAT 631D P.S. 450 HP D	323,134	76.68	94.95	17.28	30.55	16.93	34.30	22.27	840
8590	STT-120 12000 GAL. CAT 651B P.S. 550 HP D	393,645	93.53	115.82	21.04	37.19	20.69	41.74	27.22	1054
8595	STT-140 14000 GAL. CAT 651B P.S. 550 HP D	399,594	94.48	116.94	21.37	37.80	20.69	42.42	27.22	1089
	WAGONS, BOTTOM DUMP									
	CATERPILLAR-ATHEY									
8605	621B/PW621B 33T 22-26CY P.S. 330 HP D	247,628	60.92	79.08	13.18	25.13	12.41	28.48	16.33	579
8610	768B/PW768C 63T 42-48CY P.S. 450 HP D	377,432	90.22	116.70	20.02	38.00	16.93	43.06	22.27	935
8615	772B/PW772B 100T 60-67CY P.S. 650 HP D	601,483	145.43	191.62	31.65	59.53	24.45	67.38	32.17	1350

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	WAGONS, BOTTOM DUMP (CONT'D)									
	EUCLID									
8625	B30-303TDT301W 30T 21-27CY P.S. 277 HP D	225,202	54.62	70.98	11.95	22.67	10.42	25.68	13.71	483
8630	B70-203LDT147W 70T 47-62CY P.S. 423 HP D	382,711	85.73	108.89	20.60	39.74	15.91	45.11	20.94	934
	WAGONS, REAR DUMP									
	CATERPILLAR-ATHEY									
8640	621B/PR621B 33T 22-26CY P.S. 330 HP D	260,228	63.10	81.81	13.86	26.45	12.41	29.96	16.33	630
8645	631D/PR631D 40T 27-32CY P.S. 450 HP D	367,937	88.13	114.13	19.63	37.49	16.93	42.51	22.27	833
	WATER BLASTER									
	AMERICAN AERO									
8655	WBD 90 10000 PSI @ 10 GPM W/2 NOZ 91 HP D TRAILER MOUNTED	33,182	19.21		2.48	5.73	5.05			42
8660	WBDI50 10000 PSI @ 20 GPM W/2 NOZ 160 HP D TRAILER MOUNTED	50,293	30.67		3.75	8.69	8.87			70
	WATER TANKS									
	SKID MOUNTED									
8670	WST-8 8000 GAL. SOUTHWEST	16,036	2.46		0.89	1.68	0.00			107
8675	WST-10 10000 GAL. SOUTHWEST	18,660	2.86		1.03	1.95	0.00			122
8680	WST-12 12000 GAL. SOUTHWEST	21,712	3.32		1.20	2.27	0.00			142
	PORTABLE (WITH WHEELS)									
8690	EWT-8 8000 GAL. SOUTHWEST 8 HP G	28,582	5.25		1.55	2.90	0.65			130
8695	EWT-10 10000 GAL. SOUTHWEST 8 HP G	32,514	5.85		1.77	3.31	0.65			170
8700	EWT-12 12000 GAL. SOUTHWEST 8 HP G	36,033	6.38		1.96	3.68	0.65			185

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 *******									
	ELECTRIC DRIVE - AC 3 PHASE 60 HZ									
8710	250 AMP SKID MTD 20 HP E	2,124	1.81		0.14	0.29	1.08			7
8715	600 AMP SKID MTD 25 HP E	2,693	2.27		0.17	0.36	1.35			9
	GASOLINE ENGINE DRIVE									
8725	200 AMP W/1 AXLE TRLR 14 HP G	2,768	2.54		0.20	0.44	1.39			11
8730	250 AMP W/1 AXLE TRLR 65 HP G	5,275	9.60		0.39	0.86	6.48			17
8735	300 AMP W/1 AXLE TRLR 65 HP G	5,397	9.63		0.39	0.87	6.48			17
8740	400 AMP W/1 AXLE TRLR 69 HP G	6,323	10.40		0.46	1.03	6.87			21
8745	650 AMP W/2 AXLE TRLR 85 HP G	7,954	12.87		0.58	1.28	8.47			22
	DIESEL ENGINE DRIVE									
8755	250 AMP W/1 AXLE TRLR 38 HP D	6,918	4.25		0.51	1.13	1.77			21
8760	300 AMP W/1 AXLE TRLR 38 HP D	6,978	4.27		0.51	1.14	1.77			21
8765	350 AMP W/2 AXLE TRLR 63 HP D	8,818	6.25		0.64	1.42	2.93			25
8770	400 AMP W/2 AXLE TRLR 64 HP D	8,646	6.26		0.63	1.39	2.98			30
	MIG									
8780	250AMP W/WIRE FEED AND SHOP GEAR 10 HP E	2,882	1.26		0.19	0.39	0.54			5
8785	300AMP W/WIRE FEED AND SHOP GEAR 20 HP E	3,043	1.99		0.20	0.41	1.08			5
	RECTIFIER									
8795	250 AMP W/SHOP RUNNING GEAR 19 HP E	1,825	1.70		0.12	0.25	1.03			4
8800	300 AMP W/SHOP RUNNING GEAR 24 HP E	1,987	2.06		0.13	0.26	1.30			6
8805	500 AMP W/SHOP RUNNING GEAR 30 HP E	2,521	2.59		0.16	0.33	1.62			7
8810	750 AMP W/SHOP RUNNING GEAR 42 HP E	4,145	3.74		0.27	0.55	2.27			10
	TRANSFORMER-RECTIFIER									
8820	250 AMP W/SHOP RUNNING GEAR 19 HP E	989	1.53		0.06	0.13	1.03			4
8825	300 AMP W/SHOP RUNNING GEAR 24 HP E	1,633	2.00		0.11	0.22	1.30			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 $50.00 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 1979, the total hourly rate can be determined as follows:

Total Hourly Rate	= $50.00/Hr.
Ownership Rate	(-) $30.00/Hr.
Ownership adjusted for Age:	
(Ownership Rate) x (Age Adj. Factor)	
= ($30.00) x (.77)	= (+) $23.10/Hr.
Adjusted Total Hourly Rate	= $43.10/Hr.

B. If an equivalent crane owned by a Contractor had been purchased new in 1969, the total hourly rate can be determined as follows:

Total Hourly Rate	= $50.00/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	= $32.90/Hr.

C. If an equivalent crane, manufactured in 1969, had been purchased used in 1977 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 1979, had been purchased used in 1981 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 1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972
15	AGGREGATE SPREADERS	0.99	0.99	1.00	0.93	0.86	0.78							
30	AIR COMPRESSORS	1.06	1.03	1.00	0.93	0.97	0.90							
45	AIR TOOLS, SANDBLASTERS, ETC	1.06	1.03	1.00										
60	ASPHALT DISTRIBUTORS	0.99	0.99	1.00	0.93	0.86	0.78							
65	ASPHALT AND CONCRETE PAVERS	0.99	0.99	1.00	0.93	0.86	0.78							
70	ASPHALT KETTLES AND RECYCLERS	1.06	1.03	1.00	0.92	0.82								
	BACKHOE (SEE KEY NO. 570-601)													
75	BROOMS	1.06	1.03	1.00	0.92	0.81	0.70							
80	BRUSH CHIPPERS	1.06	1.03	1.00	0.92	0.81	0.69							
90	BUCKETS, CLAMSHELL & DRAGLINE	0.98	0.98	1.00	0.95	0.84	0.70							
95	BUCKETS, CONCRETE	0.98	0.98	1.00	0.94	0.84	0.69							
105	CONCRETE OR GROUT PUMP	1.06	1.03	1.00	0.92	0.81								
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.06	1.03	1.00	0.92	0.81								
125	CONCRETE FINISHERS & BUGGIES	1.06	1.03	1.00	0.92									
130	CONCRETE SAWS	1.06	1.03	1.00	0.92	0.82								
135	CONCRETE VIBRATORS	1.06	1.03	1.00										
140	COMPACTORS, MANUALLY OPERATED	1.06	1.03	1.00	0.93									
	CRANE, CRAWLER TYPE													
150	0 THRU 25 TON	1.05	1.02	1.00	0.93	0.85	0.76	0.69	0.63					
165	OVER 25 TON THRU 50 TON	1.05	1.02	1.00	0.93	0.85	0.76	0.69	0.63	0.59				
170	OVER 50 TON THRU 150 TON	1.05	1.02	1.00	0.93	0.86	0.77	0.69	0.64	0.60	0.54	0.43		
180	OVER 150 TON	1.05	1.02	1.00	0.93	0.86	0.76	0.69	0.64	0.60	0.54	0.43	0.36	
	DRAGLINE & CLAMSHELL,CRAWLER													
185	0 THRU 1 CY	1.05	1.02	1.00	0.93	0.85	0.76	0.68	0.63					
190	OVER 1 CY THRU 2-1/2 CY	1.05	1.02	1.00	0.93	0.85	0.76	0.69	0.63	0.59				
195	OVER 2-1/2 CY THRU 5 CY	1.05	1.02	1.00	0.93	0.85	0.76	0.69	0.63	0.59	0.53	0.42		
196	OVER 5 CY	1.05	1.02	1.00	0.93	0.86	0.76	0.69	0.64	0.60	0.54	0.43	0.36	
200	CRANES, HYDRAULIC, SELF-PROPELLED	1.05	1.02	1.00	0.93	0.85	0.76	0.69	0.64	0.59	0.54			
205	CRANES, TOWER	1.05	1.02	1.00	0.93	0.85	0.76	0.69	0.63	0.59	0.53	0.42		
	CRANES & HYD. EXC. , TRK MTD													
210	UNDER 26 T. (THRU 1 CY)	1.05	1.02	1.00	0.93	0.85	0.76	0.69	0.63	0.59				
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.05	1.02	1.00	0.93	0.86	0.77	0.69	D.64	0.60	0.54	0.43		
230	66 THRU 125 T	1.05	1.02	1.00	0.93	0.86	0.77	0.70	0.64	0.60	0.55	0.44	0.37	
240	OVER 125 T	1.04	1.02	1.00	0.93	0.86	0.77	0.70	0.65	0.61	0.55	0.45	0.37	0.36
255	DRILL, AUGER	1.03	1.02	1.00	0.92	0.78	0.67							
270	DRILL, BLAST HOLE	1.03	1.02	1.00	0.92	0.78	0.67							
300	DRILL, CORE	1.03	1.02	1.00	0.92	0.78	0.67							
315	DRILL, ROTARY TO 11" DIA. HOLE	1.03	1.02	1.00	0.92	0.79	0.68	0.63	0.57	0.54				
330	DRILL, ROTARY OVER 11" DIA.	1.03	1.02	1.00	0.92	0.79	0.69	0.64	0.58	0.56	0.53	0.46	0.41	
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.03	1.02	1.00	0.92	0.79	0.69	0.64	0.58	0.56	0.53	0.46	0.41	
375	FORK LIFTS	1.05	1.03	1.00	0.92	0.82	0.71							
390	GRADERS	1.05	1.03	1.00	0.91	0.82	0.72	0.65	0.58					
420	GENERATORS	1.05	1.02	1.00	0.97	0.85								
435	HOIST	1.05	1.03	1.00	0.92	0.82	0.71							
	HYD. EXCAVATOR (SEE KEY NO. 570-601)													
440	LIGHT PLANTS	1.06	1.03	1.00	0.92	0.80								
450	LOADER, BELT	1.06	1.03	1.00	0.92	0.81	0.69							
460	LOADER,FRONT END &LOADER F/E WITH BACKHOE,CRAWLER TYPE	1.09	1.04	1.00	0.90	0.81	0.72							
	LOADER, WHEEL TYPE													
465	0 THRU 225 HP	1.06	1.03	1.00	0.89	0.74	0.63							
470	OVER 225 HP	1.05	1.03	1.00	0.90	0.76	0.66	0.59	0.53					
475	LOADER, FRONT END WITH BACKHOE,WHEEL TYPE	1.06	1.03	1.00	0.89	0.74	0.63							

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW 1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.06	1.03	1.00	0.91									
485	PIPELAYERS	1.09	1.05	1.00	0.90	0.80	0.69	0.60	0.53					
	PUMP, GROUT (SEE KEY NO. 105)													
495	PUMP, WATER, ENGINE DRIVE	1.05	1.03	1.00	0.92	0.82	0.71							
500	PUMP, WATER, ELECTRIC DRIVE	1.05	1.03	1.00	0.92	0.82	0.71							
510	RIPPERS	1.09	1.04	1.00	0.90	0.81								
525	ROLLERS, EXCEPT VIB. ROLLERS	1.22	1.11	1.00	0.92	0.83	0.74							
530	ROLLERS, VIBRATORY	1.22	1.11	1.00	0.92	0.82								
540	SCRAPERS, STANDARD	1.05	1.02	1.00	0.91	0.82	0.73							
542	SCRAPERS, TANDEM POWERED	1.05	1.02	1.00	0.91	0.82	0.73							
	SCRAPERS, ELEVATING													
545	0 THRU 200 HP	1.05	1.03	1.00	0.91	0.82	0.72							
550	OVER 200 HP	1.05	1.03	1.00	0.91	0.82	0.72							
555	SCRAPERS, TRACTOR DRAWN	1.05	1.02	1.00	0.91	0.83	0.73	0.67	0.60					
560	SOIL STABILIZERS	1.05	1.03	1.00	0.91	0.82	0.72							
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED													
570	0 THRU 1 CY	1.05	1.03	1.00	0.92	0.84								
585	OVER 1 CY THRU 2-1/2 CY	1.05	1.02	1.00	0.93	0.85	0.75							
595	OVER 2-1/2 CY THRU 5 CY	1.05	1.02	1.00	0.93	0.85	0.76	0.69	0.64					
600	OVER 5 CY	1.05	1.02	1.00	0.93	0.86	0.77	0.70	0.64	0.60				
601	OVER 2-1/2 CY ELECTRIC	1.05	1.02	1.00	0.93	0.86	0.77	0.69	0.64	0.60	0.54	0.43		
	TRACTOR, CRAWLER TYPE													
615	0 THRU 225 HP	1.09	1.04	1.00	0.90	0.81	0.71							
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.09	1.04	1.00	0.90	0.81	0.72							
625	OVER 425 HP	1.08	1.04	1.00	0.91	0.82	0.73	0.65	0.58					
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.09	1.04	1.00	0.90	0.81	0.72							
645	TRACTOR, WHEEL TYPE	1.02	1.01	1.00	0.91	0.81	0.69							
650	TRENCHER	1.15	1.07	1.00	0.87	0.74	0.63							
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.05	1.03	1.00	0.92	0.82	0.71							
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.06	1.03	1.00	0.91	0.79	0.67							
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING													
670	DUMP BODIES	1.06	1.03	1.00	0.92	0.82								
675	ALL OTHER ACCESSORIES	1.06	1.03	1.00	0.92	0.82								
	TRUCK, HIGHWAY													
690	0 THRU 10,000 GVW	1.05	1.03	1.00	0.92									
695	OVER 10,000 THRU 30,000 GVW	1.05	1.02	1.00	0.92	0.79								
705	OVER 30,000 GVW	1.05	1.02	1.00	0.92	0.79								
720	TRUCK, OFF-HIGHWAY	1.05	1.02	1.00	0.91	0.79	0.68	0.61	0.56					
765	WAGON, BOTTOM & REAR DUMP	1.05	1.02	1.00	0.91	0.79	0.68	0.61	0.56					
780	WAGON, WATER	1.05	1.03	1.00	0.90	0.78	0.66	0.59	0.53					
785	WATER BLASTER	1.06	1.03	1.00	0.92									
795	WATER TANKS	1.05	1.03	1.00	0.92	0.82	0.72	0.64	0.58					
810	WELDERS	1.06	1.03	1.00	0.92									
811	WELDERS ELECTRIC POWER	1.06	1.03	1.00	0.92	0.81								

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 1979, 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 (.79)	= $14.22/Hr.

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW 1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972
15	AGGREGATE SPREADERS	0.99	0.99	1.00	0.94	0.88	0.81							
30	AIR COMPRESSORS	1.05	1.02	1.00	0.94	0.98	0.91							
45	AIR TOOLS, SANDBLASTERS, ETC	1.05	1.03	1.00										
60	ASPHALT DISTRIBUTORS	0.99	0.99	1.00	0.94	0.88	0.81							
65	ASPHALT AND CONCRETE PAVERS	0.99	0.99	1.00	0.94	0.88	0.81							
70	ASPHALT KETTLES AND RECYCLERS	1.05	1.02	1.00	0.93	0.84								
	BACKHOE (SEE KEY NO. 570-601)													
75	BROOMS	1.05	1.02	1.00	0.93	0.84	0.74							
80	BRUSH CHIPPERS	1.05	1.02	1.00	0.93	0.84	0.74							
90	BUCKETS, CLAMSHELL & DRAGLINE	0.98	0.98	1.00	0.95	0.85	0.72							
95	BUCKETS, CONCRETE	0.98	0.98	1.00	0.95	0.85	0.72							
105	CONCRETE OR GROUT PUMP	1.05	1.02	1.00	0.93	0.84								
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.05	1.02	1.00	0.93	0.84								
125	CONCRETE FINISHERS & BUGGIES	1.05	1.03	1.00	0.93									
130	CONCRETE SAWS	1.05	1.02	1.00	0.93	0.84								
135	CONCRETE VIBRATORS	1.05	1.03	1.00										
140	COMPACTORS, MANUALLY OPERATED	1.05	1.03	1.00	0.93									
	CRANE, CRAWLER TYPE													
150	0 THRU 25 TON	1.04	1.02	1.00	0.94	0.87	0.79	0.72	0.67					
165	OVER 25 TON THRU 50 TON	1.04	1.02	1.00	0.94	0.87	0.79	0.73	0.68	0.64				
170	OVER 50 TON THRU 150 TON	1.04	1.02	1.00	0.94	0.87	0.79	0.73	0.68	0.65	0.60	0.50		
180	OVER 150 TON	1.04	1.02	1.00	0.94	0.88	0.80	0.74	0.69	0.65	0.61	0.51	0.45	
	DRAGLINE & CLAMSHELL,CRAWLER													
185	0 THRU 1 CY	1.04	1.02	1.00	0.94	0.87	0.79	0.72	0.67					
190	OVER 1 CY THRU 2-1/2 CY	1.04	1.02	1.00	0.94	0.87	0.79	0.73	0.68	0.64				
195	OVER 2-1/2 CY THRU 5 CY	1.04	1.02	1.00	0.94	0.87	0.80	0.73	0.69	0.65	0.60	0.51		
196	OVER 5 CY	1.04	1.02	1.00	0.94	0.88	0.80	0.74	0.69	0.65	0.61	0.51	0.45	
200	CRANES, HYDRAULIC, SELF-PROPELLED	1.04	1.02	1.00	0.94	0.87	0.79	0.73	0.68	0.64	0.59			
205	CRANES, TOWER	1.04	1.02	1.00	0.94	0.87	0.80	0.73	0.69	0.65	0.60	0.51		
	CRANES & HYD. EXC. , TRK MTD													
210	UNDER 26 T. (THRU 1 CY)	1.04	1.02	1.00	0.94	0.87	0.79	0.73	0.68	0.64				
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.04	1.02	1.00	0.94	0.87	0.79	0.73	0.68	0.65	0.60	0.50		
230	66 THRU 125 T	1.04	1.02	1.00	0.94	0.87	0.80	0.73	0.69	0.65	0.60	0.51	0.44	
240	OVER 125 T	1.04	1.02	1.00	0.94	0.88	0.80	0.74	0.69	0.65	0.60	0.51	0.45	0.44
255	DRILL, AUGER	1.03	1.01	1.00	0.93	0.81	0.71							
270	DRILL, BLAST HOLE	1.03	1.01	1.00	0.93	0.81	0.71							
300	DRILL, CORE	1.03	1.01	1.00	0.93	0.81	0.71							
315	DRILL, ROTARY TO 11" DIA. HOLE	1.03	1.01	1.00	0.93	0.81	0.72	0.67	0.62	0.60				
330	DRILL, ROTARY OVER 11" DIA.	1.03	1.01	1.00	0.93	0.82	0.73	0.68	0.63	0.61	0.58	0.52	0.48	
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.03	1.01	1.00	0.93	0.82	0.73	0.68	0.63	0.61	0.58	0.52	0.48	
375	FORK LIFTS	1.05	1.02	1.00	0.93	0.84	0.74							
390	GRADERS	1.04	1.02	1.00	0.92	0.84	0.76	0.71	0.64					
420	GENERATORS	1.04	1.02	1.00	0.98	0.87								
435	HOIST	1.05	1.02	1.00	0.93	0.84	0.74							
	HYD. EXCAVATOR (SEE KEY NO. 570-601)													
440	LIGHT PLANTS	1.05	1.02	1.00	0.93	0.84								
450	LOADER, BELT	1.05	1.02	1.00	0.93	0.84	0.74							
460	LOADER,FRONT END &LOADER F/E WITH BACKHOE,CRAWLER TYPE	1.08	1.04	1.00	0.92	0.84	0.75							
	LOADER, WHEEL TYPE													
465	0 THRU 225 HP	1.05	1.02	1.00	0.91	0.77	0.69							
470	OVER 225 HP	1.05	1.02	1.00	0.91	0.78	0.69	0.63	0.57					
475	LOADER, FRONT END WITH BACKHOE,WHEEL TYPE	1.05	1.02	1.00	0.91	0.77	0.69							

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW												
		1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.05	1.03	1.00	0.93									
485	PIPELAYERS	1.07	1.04	1.00	0.92	0.84	0.76	0.69	0.63					
	PUMP, GROUT (SEE KEY NO. 105)													
495	PUMP, WATER, ENGINE DRIVE	1.05	1.02	1.00	0.93	0.84	0.74							
500	PUMP, WATER, ELECTRIC DRIVE	1.05	1.02	1.00	0.93	0.84	0.74							
510	RIPPERS	1.08	1.04	1.00	0.91	0.83								
525	ROLLERS,EXCEPT VIB. ROLLERS	1.19	1.09	1.00	0.93	0.85	0.77							
530	ROLLERS, VIBRATORY	1.19	1.10	1.00	0.93	0.84								
540	SCRAPERS, STANDARD	1.05	1.02	1.00	0.92	0.84	0.75							
542	SCRAPERS, TANDEM POWERED	1.05	1.02	1.00	0.92	0.84	0.75							
	SCRAPERS, ELEVATING													
545	0 THRU 200 HP	1.05	1.02	1.00	0.92	0.84	0.75							
550	OVER 200 HP	1.05	1.02	1.00	0.92	0.84	0.75							
555	SCRAPERS, TRACTOR DRAWN	1.04	1.02	1.00	0.92	0.84	0.76	0.70	0.64					
560	SOIL STABILIZERS	1.05	1.02	1.00	0.92	0.84	0.75							
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED													
570	0 THRU 1 CY	1.04	1.02	1.00	0.93	0.86								
585	OVER 1 CY THRU 2-1/2 CY	1.04	1.02	1.00	0.94	0.87	0.78							
595	OVER 2-1/2 CY THRU 5 CY	1.04	1.02	1.00	0.94	0.87	0.78	0.72	0.67					
600	OVER 5 CY	1.04	1.02	1.00	0.94	0.87	0.79	0.72	0.67	0.63				
601	OVER 2-1/2 CY ELECTRIC	1.04	1.02	1.00	0.94	0.87	0.79	0.73	0.68	0.65	0.60	0.50		
	TRACTOR, CRAWLER TYPE													
615	0 THRU 225 HP	1.08	1.04	1.00	0.92	0.84	0.75							
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.08	1.04	1.00	0.92	0.84	0.75							
625	OVER 425 HP	1.07	1.04	1.00	0.92	0.84	0.76	0.68	0.62					
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.08	1.04	1.00	0.92	0.84	0.75							
645	TRACTOR, WHEEL TYPE	1.02	1.01	1.00	0.92	0.83	0.73							
650	TRENCHER	1.13	1.06	1.00	0.88	0.77	0.68							
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.05	1.02	1.00	0.93	0.84	0.74							
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.05	1.02	1.00	0.93	0.84	0.74							
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING													
670	DUMP BODIES	1.05	1.02	1.00	0.93	0.84								
675	ALL OTHER ACCESSORIES	1.05	1.02	1.00	0.93	0.84								
	TRUCK, HIGHWAY													
690	0 THRU 10,000 GVW	1.04	1.02	1.00	0.93									
695	OVER 10,000 THRU 30,000 GVW	1.04	1.02	1.00	0.93	0.82								
705	OVER 30,000 GVW	1.04	1.02	1.00	0.93	0.82								
720	TRUCK, OFF-HIGHWAY	1.04	1.02	1.00	0.92	0.81	0.71	0.65	0.60					
765	WAGON, BOTTOM & REAR DUMP	1.04	1.02	1.00	0.92	0.81	0.71	0.65	0.60					
780	WAGON, WATER	1.04	1.02	1.00	0.92	0.81	0.71	0.65	0.61					
785	WATER BLASTER	1.05	1.03	1.00	0.93									
795	WATER TANKS	1.05	1.02	1.00	0.93	0.84	0.75	0.68	0.63					
810	WELDERS	1.05	1.03	1.00	0.93									
811	WELDERS ELECTRIC POWER	1.05	1.02	1.00	0.93	0.84								

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 can be determined as follows:

Total Hourly Rate (adjusted for age)	= $43.10/Hr.
Ownership Rate (adjusted for age)	(-) $23.10/Hr.
Ownership Adjusted for Work Hours (Ownership Rate) x (Work Hr Adj. Factor) = ($23.10) x (.84)	= (+) $19.40/Hr.
Adjusted Total Hourly Rate	= $39.40/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	0.93	0.92	0.91	0.90	0.89	0.88	0.88	0.87	0.86
6,000	1.00	0.97	0.96	0.93	0.92	0.90	0.89	0.87	0.86	0.85	0.84	0.83	0.82
8,000	1.00	0.97	0.95	0.92	0.90	0.88	0.86	0.85	0.83	0.82	0.81	0.80	0.78
9,000	1.00	0.96	0.95	0.92	0.89	0.87	0.85	0.84	0.82	0.80	0.79	0.78	0.77
10,000	1.00	0.96	0.94	0.91	0.88	0.86	0.85	0.83	0.81	0.79	0.78	0.77	0.75
11,000	1.00	0.96	0.94	0.90	0.88	0.85	0.84	0.82	0.80	0.78	0.77	0.75	0.74
12,000	1.00	0.96	0.94	0.90	0.87	0.85	0.83	0.81	0.78	0.77	0.75	0.74	0.72
13,000	1.00	0.96	0.93	0.90	0.87	0.84	0.82	0.80	0.78	0.76	0.74	0.73	0.71
14,000	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
15,000	1.00	0.95	0.93	0.89	0.85	0.83	0.81	0.78	0.76	0.74	0.72	0.71	0.69
16,000	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
18,000	1.00	0.95	0.92	0.88	0.84	0.81	0.79	0.76	0.73	0.71	0.69	0.68	0.66
20,000	1.00	0.94	0.92	0.87	0.83	0.80	0.78	0.75	0.72	0.70	0.68	0.66	0.64
22,000	1.00	0.94	0.91	0.86	0.82	0.79	0.77	0.74	0.71	0.68	0.66	0.65	0.62
50,000	1.00	0.92	0.88	0.82	0.76	0.72	0.68	0.64	0.60	0.57	0.55	0.53	0.49

TABLE 3-5. HOURLY RATE ELEMENT

UNIT NO	AVERAGE CONDITIONS DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	SEVERE CONDITIONS DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
1010	4.12	2.04	11.73	2.82	0.21	0.03	3.93	24.88								
1015	4.60	2.28	4.25	1.02	0.21	0.03	4.39	16.78								
1030	0.73	0.40	3.49	1.12	0.02	0.00	0.80	6.56								
1035	0.86	0.48	1.43	0.40	0.02	0.00	0.95	4.14								
1040	0.91	0.50	4.06	1.30	0.02	0.00	1.00	7.79								
1045	1.09	0.60	1.66	0.46	0.02	0.00	1.20	5.03								
1050	1.11	0.62	5.68	1.82	0.02	0.00	1.22	10.47								
1055	1.18	0.66	1.92	0.54	0.02	0.00	1.30	5.62								
1060	1.22	0.67	5.68	1.82	0.02	0.00	1.33	10.74								
1065	1.38	0.76	2.60	0.73	0.02	0.00	1.51	7.00								
1070	1.26	0.69	5.68	1.82	0.02	0.00	1.38	10.85								
1075	1.48	0.82	2.60	0.73	0.02	0.00	1.62	7.27								
1080	2.22	1.22	3.54	0.99	0.03	0.00	2.43	10.43								
1085	2.71	1.52	3.87	1.08	0.12	0.02	2.98	12.30								
1090	3.52	1.96	5.72	1.60	0.12	0.02	3.87	16.81								
1095	4.75	2.64	6.58	1.84	0.14	0.02	5.21	21.18								
1100	5.53	3.07	8.58	2.40	0.14	0.02	6.06	25.80								
1105	6.29	3.49	9.40	2.63	0.14	0.02	6.90	28.87								
1110	6.90	3.82	10.16	2.84	0.14	0.02	7.57	31.45								
1115	7.74	4.28	10.65	2.98	0.14	0.02	8.48	34.29								
1120	9.26	5.11	12.23	3.42	0.14	0.02	10.14	40.32								
1125	10.45	5.78	17.15	4.80	0.17	0.03	11.46	49.84								
1140	0.28	0.06	0.00	0.06	0.00	0.00	0.62	1.02								
1145	0.53	0.12	0.00	0.06	0.00	0.00	1.16	1.87								
1150	0.54	0.12	0.00	0.06	0.00	0.00	1.17	1.89								
1155	0.60	0.14	0.00	0.13	0.00	0.00	1.31	2.18								
1160	0.79	0.18	0.00	0.13	0.00	0.00	1.74	2.84								
1165	2.24	0.53	0.00	0.27	0.05	0.01	4.93	8.03								
1170	2.65	0.64	0.00	0.38	0.12	0.02	5.86	9.67								
1175	3.32	0.79	0.00	0.48	0.12	0.02	7.35	12.08								
1185	0.20	0.05	0.00	0.06	0.00	0.00	0.44	0.75								
1190	0.44	0.10	0.00	0.11	0.00	0.00	0.96	1.61								
1195	0.21	0.05	0.00	0.06	0.00	0.00	0.45	0.77								
1200	0.22	0.05	0.00	0.06	0.00	0.00	0.48	0.81								
1205	0.24	0.05	0.00	0.06	0.00	0.00	0.52	0.87								
1210	0.80	0.18	0.00	0.13	0.00	0.00	1.75	2.86								
1220	0.39	0.09	0.00	0.15	0.00	0.00	1.42	2.05								
1225	0.25	0.06	0.00	0.13	0.00	0.00	0.91	1.35								
1230	0.22	0.05	0.00	0.10	0.00	0.00	0.82	1.19								
1235	0.20	0.05	0.00	0.08	0.00	0.00	0.74	1.07								
1240	0.16	0.04	0.00	0.06	0.00	0.00	0.58	0.84								
1250	2.10	1.02	3.65	1.17	0.00	0.00	2.42	10.36								
1255	2.17	1.05	3.65	1.17	0.00	0.00	2.51	10.55								
1260	2.33	1.13	3.65	1.17	0.00	0.00	2.68	10.96								
1265	2.61	1.27	3.65	1.17	0.00	0.00	3.01	11.71								
1275	7.42	3.66	2.63	0.74	0.32	0.05	9.10	23.92								
1280	11.62	5.80	3.57	1.00	0.79	0.12	14.27	37.17								
1285	12.96	6.44	4.89	1.37	0.79	0.12	15.90	42.47								
1290	15.83	7.67	4.89	1.37	0.00	0.00	19.33	49.09								
1300	3.72	1.87	0.83	0.23	0.31	0.05	4.57	11.58								
1305	5.91	2.93	2.11	0.59	0.31	0.05	7.25	19.15								
1310	8.22	4.07	2.18	0.61	0.44	0.07	10.08	25.67								
1315	10.12	5.07	3.27	0.92	0.79	0.12	12.44	32.73								
1320	11.83	5.94	3.31	0.93	0.96	0.14	14.55	37.66								
1325	15.63	7.85	5.91	1.65	1.32	0.20	19.22	51.78								

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
1330	11.54	5.59	2.86	0.80	0.00	0.00	14.10	34.89								
1335	13.79	6.68	4.14	1.16	0.00	0.00	16.84	42.61								
1345	0.36	0.15	0.00	0.97	0.02	0.00	0.42	1.92								
1350	0.42	0.18	0.00	1.07	0.02	0.00	0.50	2.19								
1360	1.00	0.41	0.65	1.74	0.02	0.00	1.17	4.99								
1370	0.47	0.26	0.00	0.18	0.02	0.00	0.59	1.52								
1375	0.61	0.34	1.70	0.41	0.02	0.00	0.77	3.85								
1380	0.21	0.12	0.00	0.18	0.00	0.00	0.26	0.77								
1385	0.33	0.18	0.00	0.12	0.00	0.00	0.41	1.04								
1395	0.81	0.49	8.49	2.72	0.00	0.00	1.22	13.73								
1400	0.86	0.54	8.49	2.72	0.04	0.01	1.31	13.97								
1410	0.84	0.37	0.00	0.00	0.00	0.00	0.75	1.96	1.05	0.38	0.00	0.00	0.00	0.00	1.07	2.50
1415	0.98	0.43	0.00	0.00	0.00	0.00	0.87	2.28	1.23	0.45	0.00	0.00	0.00	0.00	1.25	2.93
1420	1.45	0.64	0.00	0.00	0.00	0.00	1.29	3.38	1.81	0.66	0.00	0.00	0.00	0.00	1.84	4.31
1425	1.64	0.72	0.00	0.00	0.00	0.00	1.45	3.81	2.05	0.74	0.00	0.00	0.00	0.00	2.08	4.87
1430	2.13	0.94	0.00	0.00	0.00	0.00	1.89	4.96	2.67	0.97	0.00	0.00	0.00	0.00	2.71	6.35
1435	2.26	1.00	0.00	0.00	0.00	0.00	2.01	5.27	2.83	1.03	0.00	0.00	0.00	0.00	2.87	6.73
1440	2.32	1.02	0.00	0.00	0.00	0.00	2.06	5.40	2.90	1.05	0.00	0.00	0.00	0.00	2.94	6.89
1445	2.55	1.13	0.00	0.00	0.00	0.00	2.27	5.95	3.19	1.16	0.00	0.00	0.00	0.00	3.24	7.59
1450	2.76	1.22	0.00	0.00	0.00	0.00	2.45	6.43	3.45	1.25	0.00	0.00	0.00	0.00	3.50	8.20
1455	2.99	1.32	0.00	0.00	0.00	0.00	2.66	6.97	3.74	1.36	0.00	0.00	0.00	0.00	3.80	8.90
1460	3.23	1.43	0.00	0.00	0.00	0.00	2.87	7.53	4.04	1.47	0.00	0.00	0.00	0.00	4.10	9.61
1465	3.35	1.48	0.00	0.00	0.00	0.00	2.97	7.80	4.18	1.52	0.00	0.00	0.00	0.00	4.24	9.94
1470	3.62	1.60	0.00	0.00	0.00	0.00	3.21	8.43	4.52	1.64	0.00	0.00	0.00	0.00	4.59	10.75
1475	3.73	1.65	0.00	0.00	0.00	0.00	3.31	8.69	4.66	1.69	0.00	0.00	0.00	0.00	4.73	11.08
1480	3.87	1.71	0.00	0.00	0.00	0.00	3.43	9.01	4.84	1.76	0.00	0.00	0.00	0.00	4.91	11.51
1490	0.88	0.39	0.00	0.00	0.00	0.00	0.78	2.05	1.10	0.40	0.00	0.00	0.00	0.00	1.12	2.62
1495	1.19	0.53	0.00	0.00	0.00	0.00	1.06	2.78	1.49	0.54	0.00	0.00	0.00	0.00	1.51	3.54
1500	1.74	0.77	0.00	0.00	0.00	0.00	1.54	4.05	2.17	0.79	0.00	0.00	0.00	0.00	2.20	5.16
1505	1.87	0.83	0.00	0.00	0.00	0.00	1.66	4.36	2.34	0.85	0.00	0.00	0.00	0.00	2.38	5.57
1510	2.38	1.05	0.00	0.00	0.00	0.00	2.11	5.54	2.98	1.08	0.00	0.00	0.00	0.00	3.02	7.08
1515	2.61	1.15	0.00	0.00	0.00	0.00	2.31	6.07	3.26	1.18	0.00	0.00	0.00	0.00	3.30	7.74
1520	2.81	1.24	0.00	0.00	0.00	0.00	2.50	6.55	3.51	1.28	0.00	0.00	0.00	0.00	3.57	8.36
1525	3.02	1.33	0.00	0.00	0.00	0.00	2.68	7.03	3.78	1.37	0.00	0.00	0.00	0.00	3.83	8.98
1530	3.24	1.43	0.00	0.00	0.00	0.00	2.88	7.55	4.06	1.47	0.00	0.00	0.00	0.00	4.11	9.64
1535	3.57	1.58	0.00	0.00	0.00	0.00	3.17	8.32	4.46	1.62	0.00	0.00	0.00	0.00	4.53	10.61
1540	3.77	1.66	0.00	0.00	0.00	0.00	3.35	8.78	4.71	1.71	0.00	0.00	0.00	0.00	4.78	11.20
1545	3.99	1.76	0.00	0.00	0.00	0.00	3.54	9.29	4.98	1.81	0.00	0.00	0.00	0.00	5.06	11.85
1550	4.16	1.84	0.00	0.00	0.00	0.00	3.69	9.69	5.20	1.89	0.00	0.00	0.00	0.00	5.27	12.36
1555	4.33	1.91	0.00	0.00	0.00	0.00	3.84	10.08	5.41	1.97	0.00	0.00	0.00	0.00	5.49	12.87
1560	4.50	1.99	0.00	0.00	0.00	0.00	4.00	10.49	5.63	2.04	0.00	0.00	0.00	0.00	5.71	13.38
1570	1.33	0.59	0.00	0.00	0.00	0.00	1.18	3.10	1.67	0.61	0.00	0.00	0.00	0.00	1.69	3.97
1575	1.36	0.60	0.00	0.00	0.00	0.00	1.21	3.17	1.71	0.62	0.00	0.00	0.00	0.00	1.73	4.06
1580	2.03	0.89	0.00	0.00	0.00	0.00	1.80	4.72	2.53	0.92	0.00	0.00	0.00	0.00	2.57	6.02
1585	2.45	1.08	0.00	0.00	0.00	0.00	2.17	5.70	3.06	1.11	0.00	0.00	0.00	0.00	3.11	7.28
1590	2.74	1.21	0.00	0.00	0.00	0.00	2.43	6.38	3.42	1.24	0.00	0.00	0.00	0.00	3.47	8.13
1595	2.98	1.31	0.00	0.00	0.00	0.00	2.64	6.93	3.72	1.35	0.00	0.00	0.00	0.00	3.78	8.85
1600	3.14	1.38	0.00	0.00	0.00	0.00	2.78	7.30	3.92	1.42	0.00	0.00	0.00	0.00	3.98	9.32
1605	3.32	1.47	0.00	0.00	0.00	0.00	2.95	7.74	4.15	1.51	0.00	0.00	0.00	0.00	4.21	9.87
1610	3.48	1.54	0.00	0.00	0.00	0.00	3.09	8.11	4.35	1.58	0.00	0.00	0.00	0.00	4.41	10.34
1615	3.73	1.65	0.00	0.00	0.00	0.00	3.31	8.69	4.67	1.69	0.00	0.00	0.00	0.00	4.74	11.10
1620	3.95	1.75	0.00	0.00	0.00	0.00	3.51	9.21	4.94	1.79	0.00	0.00	0.00	0.00	5.01	11.74
1625	4.16	1.83	0.00	0.00	0.00	0.00	3.69	9.68	5.20	1.89	0.00	0.00	0.00	0.00	5.27	12.36
1630	4.50	1.99	0.00	0.00	0.00	0.00	4.00	10.49	5.63	2.04	0.00	0.00	0.00	0.00	5.71	13.38
1635	4.64	2.05	0.00	0.00	0.00	0.00	4.12	10.81	5.80	2.11	0.00	0.00	0.00	0.00	5.89	13.80

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
1640	4.82	2.13	0.00	0.00	0.00	0.00	4.28	11.23	6.02	2.19	0.00	0.00	0.00	0.00	6.11	14.32
1650	0.12	0.06	0.00	0.00	0.00	0.00	0.11	0.29								
1655	0.15	0.07	0.00	0.00	0.00	0.00	0.14	0.36								
1660	0.20	0.09	0.00	0.00	0.00	0.00	0.19	0.48								
1665	0.28	0.14	0.00	0.00	0.00	0.00	0.27	0.69								
1670	0.36	0.17	0.00	0.00	0.00	0.00	0.33	0.86								
1680	0.52	0.25	0.00	0.00	0.00	0.00	0.49	1.26								
1685	0.54	0.26	0.00	0.00	0.00	0.00	0.51	1.31								
1690	0.56	0.27	0.00	0.00	0.00	0.00	0.53	1.36								
1695	0.74	0.36	0.00	0.00	0.00	0.00	0.70	1.80								
1700	0.78	0.38	0.00	0.00	0.00	0.00	0.73	1.89								
1705	1.12	0.54	0.00	0.00	0.00	0.00	1.06	2.72								
1710	1.34	0.65	0.00	0.00	0.00	0.00	1.26	3.25								
1720	0.59	0.29	0.00	0.00	0.00	0.00	0.56	1.44								
1725	0.67	0.33	0.00	0.00	0.00	0.00	0.63	1.63								
1730	0.77	0.37	0.00	0.00	0.00	0.00	0.73	1.87								
1735	0.86	0.42	0.00	0.00	0.00	0.00	0.81	2.09								
1740	1.01	0.49	0.00	0.00	0.00	0.00	0.95	2.45								
1755	0.29	0.13	0.00	0.00	0.00	0.00	0.25	0.67	0.36	0.13	0.00	0.00	0.00	0.00	0.36	0.85
1760	0.34	0.15	0.00	0.00	0.00	0.00	0.30	0.79	0.42	0.15	0.00	0.00	0.00	0.00	0.43	1.00
1765	0.42	0.18	0.00	0.00	0.00	0.00	0.37	0.97	0.52	0.19	0.00	0.00	0.00	0.00	0.53	1.24
1770	0.49	0.22	0.00	0.00	0.00	0.00	0.44	1.15	0.62	0.22	0.00	0.00	0.00	0.00	0.62	1.46
1775	0.58	0.26	0.00	0.00	0.00	0.00	0.51	1.35	0.72	0.26	0.00	0.00	0.00	0.00	0.73	1.71
1780	0.71	0.31	0.00	0.00	0.00	0.00	0.63	1.65	0.89	0.32	0.00	0.00	0.00	0.00	0.90	2.11
1785	0.79	0.35	0.00	0.00	0.00	0.00	0.70	1.84	0.99	0.36	0.00	0.00	0.00	0.00	1.00	2.35
1790	0.96	0.43	0.00	0.00	0.00	0.00	0.86	2.25	1.20	0.44	0.00	0.00	0.00	0.00	1.22	2.86
1795	1.02	0.45	0.00	0.00	0.00	0.00	0.91	2.38	1.28	0.46	0.00	0.00	0.00	0.00	1.30	3.04
1800	1.24	0.55	0.00	0.00	0.00	0.00	1.10	2.89	1.55	0.56	0.00	0.00	0.00	0.00	1.57	3.68
1805	1.34	0.59	0.00	0.00	0.00	0.00	1.19	3.12	1.67	0.61	0.00	0.00	0.00	0.00	1.70	3.98
1810	1.47	0.65	0.00	0.00	0.00	0.00	1.30	3.42	1.83	0.67	0.00	0.00	0.00	0.00	1.86	4.36
1815	1.62	0.72	0.00	0.00	0.00	0.00	1.44	3.78	2.03	0.74	0.00	0.00	0.00	0.00	2.06	4.83
1820	1.88	0.83	0.00	0.00	0.00	0.00	1.66	4.37	2.34	0.85	0.00	0.00	0.00	0.00	2.38	5.57
1825	2.04	0.90	0.00	0.00	0.00	0.00	1.81	4.75	2.55	0.92	0.00	0.00	0.00	0.00	2.58	6.05
1830	2.50	1.10	0.00	0.00	0.00	0.00	2.22	5.82	3.13	1.14	0.00	0.00	0.00	0.00	3.17	7.44
1835	2.88	1.27	0.00	0.00	0.00	0.00	2.55	6.70	3.60	1.31	0.00	0.00	0.00	0.00	3.65	8.56
1845	0.33	0.15	0.00	0.00	0.00	0.00	0.29	0.77	0.41	0.15	0.00	0.00	0.00	0.00	0.42	0.98
1850	0.41	0.18	0.00	0.00	0.00	0.00	0.36	0.95	0.51	0.18	0.00	0.00	0.00	0.00	0.52	1.21
1855	0.50	0.22	0.00	0.00	0.00	0.00	0.45	1.17	0.63	0.23	0.00	0.00	0.00	0.00	0.64	1.50
1860	0.60	0.27	0.00	0.00	0.00	0.00	0.54	1.41	0.76	0.27	0.00	0.00	0.00	0.00	0.77	1.80
1865	0.70	0.31	0.00	0.00	0.00	0.00	0.62	1.63	0.87	0.32	0.00	0.00	0.00	0.00	0.88	2.07
1870	0.83	0.37	0.00	0.00	0.00	0.00	0.74	1.94	1.04	0.38	0.00	0.00	0.00	0.00	1.05	2.47
1875	0.92	0.41	0.00	0.00	0.00	0.00	0.82	2.15	1.15	0.42	0.00	0.00	0.00	0.00	1.16	2.73
1880	1.11	0.49	0.00	0.00	0.00	0.00	0.98	2.58	1.38	0.50	0.00	0.00	0.00	0.00	1.40	3.28
1885	1.18	0.52	0.00	0.00	0.00	0.00	1.05	2.75	1.48	0.54	0.00	0.00	0.00	0.00	1.50	3.52
1890	1.52	0.67	0.00	0.00	0.00	0.00	1.34	3.53	1.89	0.69	0.00	0.00	0.00	0.00	1.92	4.50
1895	1.57	0.69	0.00	0.00	0.00	0.00	1.39	3.65	1.96	0.71	0.00	0.00	0.00	0.00	1.99	4.66
1900	1.79	0.79	0.00	0.00	0.00	0.00	1.59	4.17	2.24	0.81	0.00	0.00	0.00	0.00	2.27	5.32
1905	1.97	0.87	0.00	0.00	0.00	0.00	1.75	4.59	2.46	0.89	0.00	0.00	0.00	0.00	2.50	5.85
1910	2.36	1.04	0.00	0.00	0.00	0.00	2.09	5.49	2.95	1.07	0.00	0.00	0.00	0.00	2.99	7.01
1915	2.51	1.11	0.00	0.00	0.00	0.00	2.23	5.85	3.14	1.14	0.00	0.00	0.00	0.00	3.19	7.47
1920	3.20	1.41	0.00	0.00	0.00	0.00	2.84	7.45	4.00	1.45	0.00	0.00	0.00	0.00	4.06	9.51
1925	3.57	1.57	0.00	0.00	0.00	0.00	3.16	8.30	4.46	1.62	0.00	0.00	0.00	0.00	4.52	10.60
1935	1.33	0.59	0.00	0.00	0.00	0.00	1.18	3.10	1.66	0.60	0.00	0.00	0.00	0.00	1.68	3.94
1940	1.38	0.61	0.00	0.00	0.00	0.00	1.23	3.22	1.73	0.63	0.00	0.00	0.00	0.00	1.75	4.11
1945	1.55	0.68	0.00	0.00	0.00	0.00	1.37	3.60	1.93	0.70	0.00	0.00	0.00	0.00	1.96	4.59

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
1950	2.07	0.91	0.00	0.00	0.00	0.00	1.84	4.82	2.59	0.94	0.00	0.00	0.00	0.00	2.62	6.15
1955	2.31	1.02	0.00	0.00	0.00	0.00	2.05	5.38	2.89	1.05	0.00	0.00	0.00	0.00	2.93	6.87
1960	2.39	1.05	0.00	0.00	0.00	0.00	2.12	5.56	2.99	1.08	0.00	0.00	0.00	0.00	3.03	7.10
1965	2.56	1.13	0.00	0.00	0.00	0.00	2.27	5.96	3.20	1.16	0.00	0.00	0.00	0.00	3.24	7.60
1970	3.25	1.44	0.00	0.00	0.00	0.00	2.89	7.58	4.07	1.48	0.00	0.00	0.00	0.00	4.13	9.68
1975	3.35	1.48	0.00	0.00	0.00	0.00	2.97	7.80	4.18	1.52	0.00	0.00	0.00	0.00	4.24	9.94
1980	4.26	1.88	0.00	0.00	0.00	0.00	3.78	9.92	5.32	1.93	0.00	0.00	0.00	0.00	5.40	12.65
1985	4.38	1.93	0.00	0.00	0.00	0.00	3.89	10.20	5.47	1.99	0.00	0.00	0.00	0.00	5.55	13.01
1990	5.21	2.30	0.00	0.00	0.00	0.00	4.62	12.13	6.51	2.36	0.00	0.00	0.00	0.00	6.61	15.48
1995	5.50	2.43	0.00	0.00	0.00	0.00	4.88	12.81	6.88	2.50	0.00	0.00	0.00	0.00	6.98	16.36
2005	0.88	0.39	0.00	0.00	0.00	0.00	0.78	2.05	1.10	0.40	0.00	0.00	0.00	0.00	1.12	2.62
2010	1.13	0.50	0.00	0.00	0.00	0.00	1.00	2.63	1.41	0.51	0.00	0.00	0.00	0.00	1.43	3.35
2015	1.54	0.68	0.00	0.00	0.00	0.00	1.37	3.59	1.93	0.70	0.00	0.00	0.00	0.00	1.96	4.59
2020	2.04	0.90	0.00	0.00	0.00	0.00	1.81	4.75	2.55	0.93	0.00	0.00	0.00	0.00	2.59	6.07
2025	3.05	1.35	0.00	0.00	0.00	0.00	2.71	7.11	3.81	1.38	0.00	0.00	0.00	0.00	3.87	9.06
2030	3.48	1.54	0.00	0.00	0.00	0.00	3.09	8.11	4.35	1.58	0.00	0.00	0.00	0.00	4.41	10.34
2035	4.22	1.86	0.00	0.00	0.00	0.00	3.74	9.82	5.27	1.91	0.00	0.00	0.00	0.00	5.35	12.53
2040	5.13	2.26	0.00	0.00	0.00	0.00	4.55	11.94	6.41	2.33	0.00	0.00	0.00	0.00	6.50	15.24
2045	6.22	2.74	0.00	0.00	0.00	0.00	5.52	14.48	7.77	2.82	0.00	0.00	0.00	0.00	7.89	18.48
2050	7.22	3.19	0.00	0.00	0.00	0.00	6.41	16.82	9.03	3.28	0.00	0.00	0.00	0.00	9.16	21.47
2060	0.22	0.07	0.34	0.08	0.00	0.00	0.32	1.03								
2065	0.17	0.06	0.34	0.08	0.00	0.00	0.25	0.90								
2070	0.24	0.07	0.56	0.13	0.00	0.00	0.34	1.34								
2075	0.31	0.10	0.56	0.13	0.00	0.00	0.45	1.55								
2080	0.40	0.13	0.67	0.16	0.00	0.00	0.58	1.94								
2085	0.15	0.05	0.34	0.08	0.00	0.00	0.23	0.85								
2090	0.24	0.08	0.78	0.19	0.00	0.00	0.35	1.64								
2095	0.23	0.07	0.45	0.11	0.00	0.00	0.34	1.20								
2100	0.29	0.09	0.45	0.11	0.00	0.00	0.42	1.36								
2105	0.20	0.06	0.45	0.11	0.00	0.00	0.29	1.11								
2110	0.41	0.13	0.26	0.06	0.00	0.00	0.60	1.46								
2115	0.70	0.22	0.26	0.06	0.00	0.00	1.02	2.26								
2120	1.23	0.39	0.26	0.06	0.00	0.00	1.79	3.73								
2125	0.95	0.30	0.26	0.06	0.00	0.00	1.39	2.96								
2130	1.18	0.37	0.21	0.05	0.00	0.00	1.72	3.53								
2135	1.64	0.52	0.42	0.10	0.00	0.00	2.39	5.07								
2140	2.04	0.65	0.68	0.16	0.00	0.00	2.97	6.50								
2145	0.46	0.14	1.01	0.24	0.00	0.00	0.67	2.52								
2150	0.48	0.15	0.37	0.09	0.00	0.00	0.70	1.79								
2155	0.77	0.24	0.52	0.13	0.00	0.00	1.12	2.78								
2160	1.57	0.50	0.52	0.13	0.00	0.00	2.29	5.01								
2165	1.52	0.48	0.42	0.10	0.00	0.00	2.21	4.73								
2170	1.71	0.54	0.42	0.10	0.00	0.00	2.50	5.27								
2180	0.21	0.07	0.44	0.14	0.00	0.00	0.24	1.10								
2190	0.20	0.06	0.61	0.20	0.00	0.00	0.23	1.30								
2195	0.77	0.25	1.40	0.45	0.00	0.00	0.90	3.77								
2200	1.00	0.32	1.40	0.45	0.00	0.00	1.17	4.34								
2210	0.07	0.03	0.06	0.03	0.02	0.00	0.09	0.30								
2215	0.07	0.03	0.06	0.03	0.02	0.00	0.09	0.30								
2220	0.26	0.09	0.61	0.20	0.02	0.00	0.30	1.48								
2225	0.20	0.07	0.61	0.20	0.02	0.00	0.24	1.34								
2235	10.82	5.24	5.34	1.50	0.00	0.00	13.21	36.11								
2240	19.09	9.25	7.82	2.19	0.00	0.00	23.31	61.66								
2245	33.62	16.28	9.40	2.63	0.00	0.00	41.05	102.98								
2255	2.22	1.08	5.28	1.69	0.04	0.01	2.71	13.03								

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
2260	9.86	4.77	3.76	1.05	0.00	0.00	12.04	31.48								
2270	2.21	1.01	0.67	0.19	0.06	0.01	3.12	7.27								
2275	2.49	1.13	1.11	0.31	0.04	0.01	3.50	8.59								
2280	0.93	0.42	0.00	0.19	0.00	0.00	1.31	2.85								
2285	1.50	0.67	0.00	0.30	0.00	0.00	2.11	4.58								
2295	4.02	1.81	3.44	0.96	0.02	0.00	5.66	15.91								
2305	5.11	2.30	6.10	1.71	0.02	0.00	7.19	22.43								
2310	12.97	5.86	13.41	3.75	0.23	0.03	18.27	54.52								
2320	4.53	2.03	3.71	1.04	0.02	0.00	6.37	17.70								
2325	7.02	3.18	8.43	2.36	0.12	0.02	9.89	31.02								
2330	7.21	3.27	8.43	2.36	0.12	0.02	10.17	31.58								
2335	13.52	6.19	11.17	3.13	0.57	0.09	19.11	53.78								
2340	19.76	8.99	11.17	3.13	0.58	0.09	27.89	71.61								
2345	24.68	11.23	15.26	4.27	0.77	0.12	34.84	91.17								
2350	24.97	11.36	15.26	4.27	0.77	0.12	35.24	91.99								
2360	0.13	0.05	0.90	0.29	0.00	0.00	0.17	1.54								
2365	0.15	0.06	1.34	0.43	0.00	0.00	0.19	2.17								
2370	0.15	0.06	1.57	0.50	0.00	0.00	0.20	2.48								
2375	0.35	0.14	1.57	0.50	0.00	0.00	0.45	3.01								
2380	0.46	0.19	2.01	0.64	0.00	0.00	0.60	3.90								
2385	0.46	0.19	2.57	0.82	0.00	0.00	0.61	4.65								
2390	0.77	0.31	3.36	1.07	0.00	0.00	1.01	6.52								
2395	0.94	0.38	7.28	2.33	0.00	0.00	1.23	12.16								
2405	12.25	7.14	2.76	0.50	0.00	0.00	12.42	35.07	14.70	7.26	3.50	0.63	0.00	0.00	17.04	43.13
2410	13.29	9.52	3.39	0.61	0.00	0.00	15.40	42.21	15.33	9.62	4.29	0.77	0.00	0.00	19.99	50.00
2415	13.70	9.81	2.71	0.49	0.00	0.00	11.90	38.61	15.80	9.92	3.50	0.63	0.00	0.00	14.88	44.73
2425	14.51	10.40	2.71	0.49	0.00	0.00	12.61	40.72	16.75	10.51	3.50	0.63	0.00	0.00	15.77	47.16
2435	15.36	11.00	2.71	0.49	0.00	0.00	13.35	42.91	17.72	11.12	3.50	0.63	0.00	0.00	16.69	49.66
2445	18.52	13.27	4.99	0.90	0.00	0.00	21.46	59.14	21.37	13.41	6.32	1.14	0.00	0.00	27.86	70.10
2450	18.14	13.00	3.99	0.72	0.00	0.00	15.77	51.62	20.93	13.13	5.16	0.93	0.00	0.00	19.71	59.86
2460	16.12	13.70	3.99	0.72	0.00	0.00	16.35	50.88	18.14	13.80	5.16	0.93	0.00	0.00	19.70	57.73
2470	20.53	17.44	3.99	0.72	0.00	0.00	20.82	63.50	23.09	17.57	5.16	0.93	0.00	0.00	25.09	71.84
2480	27.04	22.97	6.82	1.23	0.00	0.00	27.42	85.48	30.42	23.14	8.81	1.59	0.00	0.00	33.05	97.01
2490	28.25	24.00	6.82	1.23	0.00	0.00	28.64	88.94	31.78	24.18	8.81	1.59	0.00	0.00	34.53	100.89
2495	25.29	23.85	8.52	1.53	0.00	0.00	35.30	94.49	28.46	24.01	10.80	1.94	0.00	0.00	44.13	109.34
2505	32.05	27.24	6.82	1.23	0.00	0.00	32.50	99.84	36.06	27.43	8.81	1.59	0.00	0.00	39.18	113.07
2515	28.04	29.23	6.82	1.23	0.00	0.00	34.79	100.11	31.16	29.38	8.81	1.59	0.00	0.00	41.07	112.01
2525	30.34	31.62	6.82	1.23	0.00	0.00	37.63	107.64	33.71	31.79	8.81	1.59	0.00	0.00	44.43	120.33
2540	12.85	7.49	3.42	0.61	0.00	0.00	13.03	37.40	15.42	7.62	4.33	0.78	0.00	0.00	17.87	46.02
2545	10.86	7.78	2.73	0.49	0.00	0.00	9.44	31.30	12.53	7.86	3.53	0.64	0.00	0.00	11.80	36.36
2555	21.14	10.44	4.99	0.90	0.00	0.00	24.49	61.96	26.42	10.70	6.56	1.18	0.00	0.00	34.44	79.30
2560	13.83	9.91	4.28	0.77	0.00	0.00	16.03	44.82	15.96	10.02	5.42	0.98	0.00	0.00	20.81	53.19
2565	13.90	9.96	3.42	0.62	0.00	0.00	12.08	39.98	16.04	10.06	4.42	0.80	0.00	0.00	15.10	46.42
2575	29.50	14.57	6.17	1.11	0.00	0.00	34.18	85.53	36.87	14.94	8.11	1.46	0.00	0.00	48.07	109.45
2580	19.97	14.31	5.29	0.95	0.00	0.00	23.15	63.67	23.05	14.46	6.70	1.21	0.00	0.00	30.05	75.47
2590	37.97	20.07	7.10	1.28	0.00	0.00	46.45	112.87	45.57	20.44	9.34	1.68	0.00	0.00	61.93	138.96
2595	36.37	19.22	7.10	1.28	0.00	0.00	44.48	108.45	43.64	19.58	9.34	1.68	0.00	0.00	59.31	133.55
2600	21.47	20.24	6.09	1.10	0.00	0.00	29.96	78.86	24.15	20.38	7.71	1.39	0.00	0.00	37.45	91.08
2605	22.62	19.22	4.87	0.88	0.00	0.00	22.94	70.53	25.45	19.36	6.29	1.13	0.00	0.00	27.65	79.88
2615	28.17	23.94	5.77	1.04	0.00	0.00	28.56	87.48	31.69	24.11	7.46	1.34	0.00	0.00	34.43	99.03
2620	25.12	23.69	7.22	1.30	0.00	0.00	35.05	92.38	28.26	23.84	9.14	1.65	0.00	0.00	43.81	106.70
2630	45.96	24.29	8.52	1.53	0.00	0.00	56.21	136.51	55.15	24.74	11.20	2.02	0.00	0.00	74.95	168.06
2635	43.51	22.99	8.52	1.53	0.00	0.00	53.22	129.77	52.22	23.42	11.20	2.02	0.00	0.00	70.96	159.82
2640	24.70	23.29	7.31	1.32	0.00	0.00	34.47	91.09	27.79	23.44	9.25	1.67	0.00	0.00	43.08	105.23
2650	54.95	33.43	12.65	2.28	0.00	0.00	82.15	185.46	64.11	33.88	16.62	2.99	0.00	0.00	95.85	213.45

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
2655	27.23	28.38	10.84	1.95	0.00	0.00	42.22	110.62	30.25	28.53	13.73	2.47	0.00	0.00	51.60	126.58
2670	10.57	7.57	2.61	0.47	0.00	0.00	9.19	30.41	12.20	7.65	3.38	0.61	0.00	0.00	11.49	35.33
2680	13.43	11.41	3.92	0.71	0.00	0.00	13.62	43.09	15.11	11.50	5.06	0.91	0.00	0.00	16.42	49.00
2690	18.49	15.71	4.04	0.73	0.00	0.00	18.75	57.72	20.81	15.83	5.22	0.94	0.00	0.00	22.60	65.40
2700	29.57	25.13	5.82	1.05	0.00	0.00	29.99	91.56	33.27	25.31	7.52	1.35	0.00	0.00	36.14	103.59
2715	18.14	17.10	8.52	1.53	0.00	0.00	25.31	70.60	20.40	17.22	10.80	1.94	0.00	0.00	31.64	82.00
2720	21.01	17.85	6.82	1.23	0.00	0.00	21.30	68.21	23.63	17.98	8.81	1.59	0.00	0.00	25.68	77.69
2730	23.08	21.77	9.89	1.78	0.00	0.00	32.21	88.73	25.96	21.91	12.53	2.25	0.00	0.00	40.26	102.91
2735	25.03	21.26	7.91	1.42	0.00	0.00	25.37	80.99	28.15	21.42	10.22	1.84	0.00	0.00	30.59	92.22
2745	30.71	28.96	10.69	1.92	0.00	0.00	42.86	115.14	34.55	29.15	13.54	2.44	0.00	0.00	53.57	133.25
2750	27.98	29.16	8.55	1.54	0.00	0.00	34.71	101.94	31.09	29.32	11.05	1.99	0.00	0.00	40.98	114.43
2760	42.94	44.75	16.28	2.93	0.00	0.00	53.26	160.16	47.71	44.99	21.02	3.78	0.00	0.00	62.88	180.38
2765	43.73	45.58	20.34	3.66	0.00	0.00	67.81	181.12	48.59	45.82	25.77	4.64	0.00	0.00	82.88	207.70
2780	13.88	9.94	7.07	1.27	0.00	0.00	16.08	48.24	16.01	10.05	8.95	1.61	0.00	0.00	20.88	57.50
2785	13.72	9.83	5.65	1.02	0.00	0.00	11.93	42.15	15.84	9.94	7.30	1.31	0.00	0.00	14.91	49.30
2795	35.03	17.31	9.11	1.64	0.00	0.00	40.60	103.69	43.79	17.74	11.98	2.16	0.00	0.00	57.09	132.76
2800	20.04	14.35	7.81	1.41	0.00	0.00	23.22	66.83	23.12	14.51	9.89	1.78	0.00	0.00	30.14	79.44
2805	19.82	14.20	6.25	1.12	0.00	0.00	17.23	58.62	22.87	14.35	8.07	1.45	0.00	0.00	21.54	68.28
2815	19.49	18.38	7.81	1.41	0.00	0.00	27.20	74.29	21.93	18.50	9.89	1.78	0.00	0.00	34.00	86.10
2820	20.69	17.58	6.25	1.12	0.00	0.00	20.97	66.61	23.27	17.70	8.07	1.45	0.00	0.00	25.28	75.77
2830	51.50	27.22	12.40	2.23	0.00	0.00	63.00	156.35	61.80	27.73	16.30	2.93	0.00	0.00	83.99	192.75
2835	27.12	25.58	10.63	1.91	0.00	0.00	37.85	103.09	30.52	25.75	13.47	2.42	0.00	0.00	47.32	119.48
2840	30.07	25.55	8.51	1.53	0.00	0.00	30.49	96.15	33.82	25.73	10.99	1.98	0.00	0.00	36.75	109.27
2850	25.76	26.85	12.77	2.30	0.00	0.00	39.94	107.62	28.62	26.99	16.18	2.91	0.00	0.00	48.82	123.52
2855	32.56	27.67	10.22	1.84	0.00	0.00	33.02	105.31	36.63	27.87	13.20	2.38	0.00	0.00	39.80	119.88
2870	16.01	11.47	4.16	0.75	0.00	0.00	18.56	50.95	18.48	11.59	5.27	0.95	0.00	0.00	24.09	60.38
2875	13.60	11.55	3.33	0.60	0.00	0.00	13.79	42.87	15.30	11.64	4.30	0.77	0.00	0.00	16.62	48.63
2885	20.01	14.33	5.88	1.06	0.00	0.00	23.18	64.46	23.08	14.48	7.45	1.34	0.00	0.00	30.09	76.44
2890	17.12	14.54	4.70	0.85	0.00	0.00	17.35	54.56	19.26	14.65	6.08	1.09	0.00	0.00	20.92	62.00
2895	18.76	17.69	7.01	1.26	0.00	0.00	26.18	70.90	21.11	17.81	8.88	1.60	0.00	0.00	32.73	82.13
2900	20.81	17.68	5.61	1.01	0.00	0.00	21.10	66.21	23.41	17.81	7.24	1.30	0.00	0.00	25.43	75.19
2905	52.42	54.64	8.98	1.62	0.00	0.00	65.03	182.69	58.25	54.93	11.60	2.09	0.00	0.00	76.77	203.64
2915	5.22	4.16	4.21	1.18	0.89	0.13	5.34	21.13								
2920	5.61	4.46	4.33	1.21	0.89	0.13	5.74	22.37								
2925	6.23	4.99	4.33	1.21	1.21	0.18	6.39	24.54								
2930	6.84	5.47	4.33	1.21	1.25	0.19	7.01	26.30								
2935	9.14	7.28	5.87	1.64	1.09	0.16	9.36	34.54								
2940	12.52	10.09	6.40	1.79	2.66	0.40	12.85	46.71								
2945	14.84	12.02	6.40	1.79	3.49	0.52	15.25	54.31								
2950	18.42	14.81	7.82	2.19	3.76	0.56	18.90	66.46								
2955	23.59	19.11	8.65	2.42	5.53	0.83	24.24	84.37								
2960	44.88	36.06	19.26	5.39	9.11	1.37	46.04	162.11								
2970	5.51	4.30	4.51	1.26	0.54	0.08	5.62	21.82								
2975	5.88	4.59	4.51	1.26	0.54	0.08	6.00	22.86								
2980	6.30	4.91	4.51	1.26	0.54	0.08	6.42	24.02								
2990	5.50	4.30	4.70	1.32	0.54	0.08	5.61	22.05								
2995	5.66	4.42	4.70	1.32	0.54	0.08	5.77	22.49								
3000	5.86	4.57	4.70	1.32	0.54	0.08	5.97	23.04								
3005	6.60	5.22	4.70	1.32	0.93	0.14	6.75	25.66								
3010	8.38	6.64	5.83	1.63	1.27	0.19	8.57	32.51								
3015	8.64	6.84	5.83	1.63	1.27	0.19	8.83	33.23								
3020	8.94	7.07	5.83	1.63	1.27	0.19	9.14	34.07								
3025	11.71	9.47	7.60	2.13	2.66	0.40	12.02	45.99								
3030	12.14	9.80	7.60	2.13	2.66	0.40	12.47	47.20								
3035	12.62	10.16	7.60	2.13	2.66	0.40	12.95	48.52								

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
3040	16.15	13.08	8.84	2.48	3.76	0.56	16.60	61.47								
3050	4.92	3.84	4.44	1.24	0.44	0.07	5.02	19.97								
3055	5.04	3.95	4.44	1.24	0.54	0.08	5.14	20.43								
3060	5.24	4.10	4.44	1.24	0.54	0.08	5.34	20.98								
3065	5.97	4.74	4.44	1.24	0.93	0.14	6.11	23.57								
3070	13.25	10.64	7.07	1.98	2.66	0.40	13.60	49.60								
3080	8.92	7.77	6.33	1.65	0.75	0.11	7.79	33.32	10.03	7.82	8.11	2.11	0.90	0.14	9.50	38.61
3085	15.52	13.42	9.04	2.35	0.93	0.14	13.54	54.94	17.46	13.52	11.65	3.03	1.14	0.17	16.50	63.47
3095	10.08	7.34	6.47	1.68	0.50	0.07	7.32	33.46	11.63	7.42	8.51	2.21	0.61	0.09	9.30	39.77
3100	10.06	8.77	7.64	1.99	0.92	0.14	8.79	38.31	11.32	8.84	10.05	2.61	1.13	0.17	10.71	44.83
3105	12.58	10.92	8.01	2.08	0.93	0.14	10.98	45.64	14.15	11.00	10.54	2.74	1.14	0.17	13.38	53.12
3110	16.51	16.09	9.21	2.39	2.44	0.37	16.87	63.88	18.34	16.19	11.84	3.08	3.02	0.45	20.09	73.01
3115	25.73	24.74	9.53	2.48	2.44	0.37	26.22	91.51	28.59	24.89	12.22	3.18	3.02	0.45	31.22	103.57
3120	27.40	28.93	14.61	3.80	3.19	0.48	31.94	110.35	30.14	29.07	18.83	4.90	3.94	0.59	37.33	124.80
3130	9.94	7.27	8.13	2.11	0.60	0.09	7.23	35.37	11.46	7.34	10.69	2.78	0.74	0.11	9.17	42.29
3135	9.77	8.46	8.13	2.11	0.66	0.10	8.52	37.75	10.99	8.52	10.69	2.78	0.82	0.12	10.39	44.31
3140	11.85	10.27	9.18	2.39	0.79	0.12	10.34	44.94	13.33	10.34	12.08	3.14	0.97	0.14	12.60	52.60
3150	10.34	7.53	7.90	2.05	0.50	0.07	7.51	35.90	11.93	7.61	10.39	2.70	0.61	0.09	9.54	42.87
3155	10.88	9.46	9.18	2.39	0.88	0.13	9.50	42.42	12.23	9.53	12.08	3.14	1.08	0.16	11.58	49.80
3160	11.79	10.23	8.95	2.33	0.88	0.13	10.29	44.60	13.26	10.31	11.78	3.06	1.08	0.16	12.54	52.19
3165	16.94	16.50	13.73	3.57	2.44	0.37	17.31	70.86	18.82	16.59	18.07	4.70	3.02	0.45	20.61	82.26
3175	15.93	13.93	5.95	1.55	1.63	0.24	13.93	53.16	17.92	14.03	7.59	1.97	2.01	0.30	16.97	60.79
3180	14.79	14.28	5.95	1.55	1.63	0.24	15.08	53.52	16.43	14.36	7.59	1.97	2.01	0.30	17.96	60.62
3185	18.25	17.53	9.59	2.49	1.63	0.24	18.59	68.32	20.28	17.63	12.38	3.22	2.01	0.30	22.13	77.95
3190	20.82	20.05	10.41	2.71	2.07	0.31	21.23	77.60	23.13	20.17	13.34	3.47	2.56	0.38	25.27	88.32
3195	26.67	27.90	12.48	3.24	2.07	0.31	31.02	103.69	29.33	28.04	16.06	4.18	2.56	0.38	36.26	116.81
3200	35.38	37.54	13.87	3.61	4.86	0.73	41.28	137.27	38.92	37.72	17.80	4.63	6.00	0.90	48.24	154.21
3210	13.47	11.85	5.77	1.50	1.63	0.24	11.79	46.25	15.15	11.93	7.34	1.91	2.01	0.30	14.37	53.01
3215	20.11	19.32	8.38	2.18	1.81	0.27	20.49	72.56	22.35	19.43	10.71	2.78	2.24	0.34	24.39	82.24
3220	20.63	21.70	8.61	2.24	2.07	0.31	24.03	79.59	22.69	21.81	11.00	2.86	2.56	0.38	28.08	89.38
3230	14.54	12.75	6.01	1.56	1.63	0.24	12.72	49.45	16.36	12.85	7.66	1.99	2.01	0.30	15.50	56.67
3235	15.09	14.56	7.35	1.91	1.63	0.24	15.39	56.17	16.77	14.65	9.42	2.45	2.01	0.30	18.32	63.92
3240	18.51	17.82	9.75	2.53	1.81	0.27	18.87	69.56	20.57	17.92	12.55	3.26	2.24	0.34	22.47	79.35
3245	20.54	21.62	10.26	2.67	2.07	0.31	23.93	81.40	22.60	21.73	13.20	3.43	2.53	0.38	27.97	91.84
3255	12.39	9.03	4.42	1.15	0.65	0.10	9.01	36.75	14.30	9.13	5.62	1.46	0.82	0.12	11.43	42.88
3260	11.51	9.97	4.67	1.21	0.76	0.11	10.04	38.27	12.95	10.04	5.93	1.54	0.94	0.14	12.24	43.78
3265	12.88	11.18	4.95	1.29	0.98	0.15	11.24	42.67	14.49	11.26	6.27	1.63	1.21	0.18	13.70	48.74
3270	16.47	14.39	6.69	1.74	1.63	0.24	14.40	55.56	18.52	14.50	8.57	2.23	2.01	0.30	17.54	63.67
3275	16.71	16.08	6.82	1.77	1.63	0.24	17.03	60.28	18.56	16.17	8.72	2.27	2.01	0.30	20.27	68.30
3280	18.23	17.62	8.41	2.19	2.07	0.31	18.60	67.43	20.26	17.72	10.71	2.79	2.56	0.38	22.15	76.57
3285	22.39	21.52	9.13	2.37	2.07	0.31	22.82	80.61	24.88	21.65	11.65	3.03	2.56	0.38	27.16	91.31
3290	21.61	22.71	10.29	2.68	2.07	0.31	25.16	84.83	23.77	22.82	13.19	3.43	2.56	0.38	29.41	95.56
3295	47.57	49.71	16.77	4.36	3.42	0.51	55.32	177.66	52.32	49.95	21.61	5.62	4.22	0.63	64.65	199.00
3305	11.22	10.58	4.86	7.31	0.00	0.00	13.92	47.89								
3310	0.49	0.46	0.00	0.00	0.00	0.00	0.61	1.56								
3315	1.82	1.72	0.00	0.00	0.00	0.00	2.26	5.80								
3320	14.11	13.31	8.50	9.13	0.00	0.00	17.50	62.55								
3325	0.49	0.46	0.00	0.00	0.00	0.00	0.61	1.56								
3330	1.82	1.72	0.00	0.00	0.00	0.00	2.26	5.80								
3335	17.26	16.28	8.50	9.13	0.00	0.00	21.42	72.59								
3340	0.62	0.59	0.00	0.00	0.00	0.00	0.78	1.99								
3345	1.89	1.79	0.00	0.00	0.00	0.00	2.35	6.03								
3350	19.99	18.85	13.36	11.56	0.00	0.00	24.80	88.56								
3355	0.67	0.63	0.00	0.00	0.00	0.00	0.83	2.13								
3360	3.58	3.38	0.00	0.00	0.00	0.00	4.44	11.40								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
3365	21.15	19.95	13.36	11.56	0.00	0.00	26.24	92.26								
3370	0.62	0.59	0.00	0.00	0.00	0.00	0.78	1.99								
3375	3.75	3.54	0.00	0.00	0.00	0.00	4.65	11.94								
3385	5.80	2.85	0.00	0.34	0.00	0.00	7.43	16.42								
3390	5.33	2.62	0.00	0.50	0.00	0.00	6.83	15.28								
3395	6.06	2.98	0.00	0.67	0.00	0.00	7.77	17.48								
3400	7.17	3.53	0.00	0.67	0.00	0.00	9.20	20.57								
3405	8.00	3.93	0.00	0.84	0.00	0.00	10.25	23.02								
3415	6.57	3.23	0.00	0.48	0.00	0.00	8.42	18.70								
3420	7.15	3.52	0.00	0.64	0.00	0.00	9.17	20.48								
3425	8.14	4.00	0.00	1.01	0.00	0.00	10.43	23.58								
3435	5.85	2.88	0.00	0.55	0.00	0.00	7.50	16.78								
3440	6.67	3.28	0.00	0.55	0.00	0.00	8.55	19.05								
3445	8.15	4.01	0.00	0.82	0.00	0.00	10.45	23.43								
3455	1.42	0.70	0.00	0.31	0.00	0.00	1.82	4.25								
3460	0.91	0.45	0.00	0.31	0.00	0.00	1.17	2.84								
3465	0.14	0.07	0.00	0.25	0.00	0.00	0.17	0.63								
3475	2.16	1.06	2.05	0.49	0.00	0.00	2.77	8.53								
3480	1.52	0.75	0.93	0.22	0.00	0.00	1.95	5.37								
3490	1.36	0.67	1.20	0.19	0.00	0.00	1.74	5.16								
3495	2.07	1.02	3.09	0.49	0.00	0.00	2.66	9.33								
3500	2.47	1.21	1.86	0.45	0.00	0.00	3.17	9.16								
3505	2.84	1.39	2.51	0.60	0.00	0.00	3.64	10.98								
3510	3.41	1.68	2.79	0.67	0.00	0.00	4.37	12.92								
3520	1.30	0.64	1.79	0.29	0.00	0.00	1.66	5.68								
3525	2.00	0.98	2.28	0.55	0.00	0.00	2.57	8.38								
3535	16.65	12.03	14.15	3.39	1.23	0.18	21.40	69.03								
3545	15.51	11.22	10.47	2.51	1.22	0.18	19.94	61.05								
3550	23.62	17.07	15.59	3.74	1.68	0.25	30.37	92.32								
3555	25.16	18.17	16.29	3.91	1.68	0.25	32.34	97.80								
3560	18.27	13.01	19.08	4.58	0.00	0.00	23.41	78.35								
3565	20.19	14.39	19.08	4.58	0.00	0.00	25.89	84.13								
3570	22.87	21.35	19.08	4.58	0.00	0.00	29.32	97.20								
3575	42.22	39.41	45.67	22.84	0.00	0.00	27.06	177.20								
3595	1.26	0.64	1.46	0.66	0.05	0.01	1.30	5.38								
3600	1.27	0.64	1.46	0.66	0.06	0.01	1.30	5.40								
3605	1.33	0.68	1.46	0.66	0.08	0.01	1.37	5.59								
3610	1.85	0.94	2.59	1.17	0.09	0.01	1.89	8.54								
3615	1.89	0.96	2.59	1.17	0.09	0.01	1.94	8.65								
3620	2.09	1.06	3.81	1.71	0.09	0.01	2.14	10.91								
3625	2.56	1.30	4.29	1.93	0.14	0.02	2.63	12.87								
3630	2.70	1.37	4.29	1.93	0.12	0.02	2.76	13.19								
3635	2.87	1.44	4.29	1.93	0.08	0.01	2.94	13.56								
3640	1.22	0.61	3.00	0.72	0.03	0.00	1.25	6.83								
3645	1.58	0.81	3.90	0.94	0.11	0.02	1.62	8.98								
3650	1.58	0.83	3.90	0.94	0.19	0.03	1.63	9.10								
3655	2.24	1.14	5.11	1.23	0.13	0.02	2.30	12.17								
3660	2.27	1.16	5.11	1.23	0.13	0.02	2.33	12.25								
3665	2.36	1.20	5.11	1.23	0.13	0.02	2.42	12.47								
3670	3.40	1.73	5.36	1.29	0.19	0.03	3.49	15.49								
3675	3.67	1.86	2.63	0.63	0.19	0.03	3.77	12.78								
3680	4.76	2.47	4.70	1.13	0.45	0.07	4.90	18.48								
3685	5.20	2.69	4.70	1.13	0.45	0.07	5.36	19.60								
3690	5.39	2.77	4.70	1.13	0.40	0.06	5.54	19.99								
3695	5.98	3.10	4.70	1.13	0.57	0.09	6.17	21.74								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
3700	2.11	1.10	2.56	0.61	0.20	0.03	2.18	8.79								
3705	2.17	1.12	2.56	0.61	0.20	0.03	2.23	8.92								
3710	2.64	1.36	2.56	0.61	0.20	0.03	2.71	10.11								
3715	2.72	1.41	2.56	0.61	0.25	0.04	2.80	10.39								
3725	2.02	1.03	5.11	1.23	0.12	0.02	2.08	11.61								
3730	2.31	1.18	6.49	1.56	0.13	0.02	2.37	14.06								
3735	3.56	1.80	9.42	2.26	0.16	0.02	3.65	20.87								
3740	4.88	2.53	10.31	2.47	0.45	0.07	5.03	25.74								
3745	5.57	2.87	10.31	2.47	0.45	0.07	5.73	27.47								
3750	5.78	2.99	10.31	2.47	0.53	0.08	5.96	28.12								
3755	6.47	3.31	10.31	2.47	0.43	0.06	6.65	29.70								
3760	12.37	6.36	15.42	3.70	0.94	0.14	12.72	51.65								
3775	2.12	0.86	4.85	1.16	0.00	0.00	1.84	10.83	2.42	0.87	6.39	1.53	0.00	0.00	2.45	13.66
3780	2.50	1.01	7.52	1.81	0.00	0.00	2.17	15.01	2.85	1.03	9.90	2.38	0.00	0.00	2.89	19.05
3785	2.84	1.15	8.28	1.99	0.00	0.00	2.47	16.73	3.25	1.17	10.89	2.61	0.00	0.00	3.29	21.21
3790	3.01	1.22	9.78	2.35	0.00	0.00	2.62	18.98	3.45	1.24	12.87	3.09	0.00	0.00	3.49	24.14
3795	3.41	1.38	11.10	2.66	0.00	0.00	2.96	21.51	3.90	1.41	14.60	3.50	0.00	0.00	3.95	27.36
3800	3.99	1.61	12.41	2.98	0.00	0.00	3.46	24.45	4.56	1.64	16.33	3.92	0.00	0.00	4.62	31.07
3805	4.33	1.76	14.67	3.52	0.00	0.00	3.77	28.05	4.95	1.79	19.30	4.63	0.00	0.00	5.02	35.69
3810	7.90	3.20	15.99	3.84	0.00	0.00	6.86	37.79	9.03	3.26	21.04	5.05	0.00	0.00	9.15	47.53
3815	5.98	2.42	16.55	3.97	0.00	0.00	5.19	34.11	6.83	2.46	21.78	5.23	0.00	0.00	6.92	43.22
3820	6.95	2.81	23.51	5.64	0.00	0.00	6.04	44.95	7.94	2.86	30.94	7.42	0.00	0.00	8.05	57.21
3825	10.57	4.28	27.46	6.59	0.00	0.00	9.19	58.09	12.08	4.36	36.13	8.67	0.00	0.00	12.25	73.49
3830	15.69	6.36	30.47	7.31	0.00	0.00	13.63	73.46	17.93	6.47	40.09	9.62	0.00	0.00	18.17	92.28
3835	20.36	8.25	43.45	10.43	0.00	0.00	17.69	100.18	23.27	8.39	57.17	13.72	0.00	0.00	23.59	126.14
3845	0.07	0.03	0.41	0.10	0.00	0.00	0.06	0.67	0.08	0.03	0.53	0.13	0.00	0.00	0.08	0.85
3850	0.11	0.04	0.65	0.16	0.00	0.00	0.09	1.05	0.12	0.04	0.85	0.20	0.00	0.00	0.12	1.33
3855	0.14	0.06	0.97	0.23	0.00	0.00	0.12	1.52	0.16	0.06	1.27	0.30	0.00	0.00	0.16	1.95
3870	0.14	0.06	0.49	0.12	0.00	0.00	0.12	0.93	0.16	0.06	0.63	0.15	0.00	0.00	0.16	1.16
3875	0.32	0.13	1.14	0.27	0.00	0.00	0.28	2.14	0.36	0.13	1.48	0.36	0.00	0.00	0.37	2.70
3880	0.35	0.14	1.62	0.39	0.00	0.00	0.30	2.80	0.40	0.14	2.12	0.51	0.00	0.00	0.40	3.57
3885	0.37	0.15	0.23	0.05	0.00	0.00	0.32	1.12	0.42	0.15	0.30	0.07	0.00	0.00	0.43	1.37
3890	0.49	0.20	0.45	0.11	0.00	0.00	0.43	1.68	0.56	0.20	0.59	0.14	0.00	0.00	0.57	2.06
3895	0.71	0.29	0.83	0.20	0.00	0.00	0.61	2.64	0.81	0.29	1.09	0.26	0.00	0.00	0.82	3.27
3900	0.73	0.30	1.02	0.24	0.00	0.00	0.63	2.92	0.83	0.30	1.34	0.32	0.00	0.00	0.84	3.63
3905	1.08	0.44	2.37	0.57	0.00	0.00	0.94	5.40	1.23	0.45	3.12	0.75	0.00	0.00	1.25	6.80
3910	1.43	0.58	3.27	0.79	0.00	0.00	1.24	7.31	1.63	0.59	4.31	1.03	0.00	0.00	1.65	9.21
3915	1.64	0.66	3.84	0.92	0.00	0.00	1.42	8.48	1.87	0.68	5.05	1.21	0.00	0.00	1.90	10.71
3920	1.95	0.79	6.09	1.46	0.00	0.00	1.69	11.98	2.23	0.80	8.02	1.92	0.00	0.00	2.26	15.23
3925	2.04	0.83	6.09	1.46	0.00	0.00	1.77	12.19	2.33	0.84	8.02	1.92	0.00	0.00	2.36	15.47
3930	2.38	0.96	7.90	1.90	0.00	0.00	2.06	15.20	2.71	0.98	10.39	2.49	0.00	0.00	2.75	19.32
3935	2.82	1.14	10.38	2.49	0.00	0.00	2.45	19.28	3.22	1.16	13.66	3.28	0.00	0.00	3.27	24.59
3945	0.08	0.03	0.41	0.10	0.00	0.00	0.07	0.69	0.10	0.03	0.53	0.13	0.00	0.00	0.10	0.89
3950	0.08	0.03	0.41	0.10	0.00	0.00	0.07	0.69	0.10	0.03	0.53	0.13	0.00	0.00	0.10	0.89
3955	0.10	0.04	0.57	0.14	0.00	0.00	0.09	0.94	0.12	0.04	0.74	0.18	0.00	0.00	0.12	1.20
3960	0.13	0.05	0.81	0.19	0.00	0.00	0.11	1.29	0.15	0.05	1.06	0.25	0.00	0.00	0.15	1.66
3965	0.17	0.07	1.30	0.31	0.00	0.00	0.14	1.99	0.19	0.07	1.69	0.41	0.00	0.00	0.19	2.55
3970	0.17	0.07	1.30	0.31	0.00	0.00	0.15	2.00	0.20	0.07	1.69	0.41	0.00	0.00	0.20	2.57
3985	6.06	4.03	4.33	1.26	0.45	0.07	5.70	21.90	7.27	4.09	5.69	1.65	0.60	0.09	7.41	26.80
3990	6.91	4.58	4.68	1.36	0.45	0.07	6.49	24.54	8.29	4.65	6.15	1.78	0.60	0.09	8.44	30.00
3995	7.43	4.92	4.68	1.36	0.49	0.07	6.98	25.93	8.91	5.00	6.15	1.78	0.66	0.10	9.07	31.67
4000	7.53	5.01	5.20	1.51	0.56	0.08	7.09	26.98	9.04	5.09	6.83	1.98	0.76	0.11	9.21	33.02
4005	10.34	7.00	6.24	1.81	1.24	0.19	9.77	36.59	12.41	7.11	8.20	2.38	1.68	0.25	12.71	44.74
4010	14.75	10.02	8.66	2.51	1.93	0.29	13.95	52.11	17.70	10.18	11.38	3.30	2.62	0.39	18.14	63.71
4020	5.89	3.93	4.33	1.26	0.49	0.07	5.54	21.51	7.06	3.99	5.69	1.65	0.66	0.10	7.21	26.36

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
4025	6.64	4.43	4.99	1.45	0.54	0.08	6.25	24.38	7.97	4.49	6.56	1.90	0.73	0.11	8.12	29.88
4030	7.03	4.70	5.13	1.49	0.62	0.09	6.62	25.68	8.43	4.77	6.74	1.95	0.84	0.13	8.60	31.46
4035	7.69	5.11	6.27	1.82	0.54	0.08	7.23	28.74	9.23	5.18	8.24	2.39	0.73	0.11	9.40	35.28
4040	5.52	3.69	4.33	1.26	0.49	0.07	5.20	20.56	6.63	3.75	5.69	1.65	0.66	0.10	6.77	25.25
4045	6.11	4.08	4.99	1.45	0.54	0.08	5.75	23.00	7.33	4.15	6.56	1.90	0.73	0.11	7.48	28.26
4050	6.39	4.29	5.13	1.49	0.62	0.09	6.03	24.04	7.67	4.35	6.74	1.95	0.84	0.13	7.84	29.52
4055	7.00	4.68	6.27	1.82	0.62	0.09	6.59	27.07	8.40	4.75	8.24	2.39	0.84	0.13	8.57	33.32
4060	8.62	5.89	7.97	2.31	1.24	0.19	8.17	34.39	10.35	5.98	10.47	3.04	1.68	0.25	10.62	42.39
4070	3.27	2.15	2.36	0.68	0.15	0.02	3.07	11.70	3.92	2.18	3.10	0.90	0.20	0.03	3.99	14.32
4075	4.60	3.10	4.50	1.31	0.49	0.07	4.34	18.41	5.52	3.14	5.92	1.72	0.66	0.10	5.64	22.70
4080	5.05	3.41	5.02	1.46	0.56	0.08	4.77	20.35	6.06	3.46	6.60	1.91	0.76	0.11	6.20	25.10
4085	5.20	3.57	5.54	1.61	0.82	0.12	4.94	21.80	6.25	3.63	7.29	2.11	1.11	0.17	6.42	26.98
4095	2.80	1.85	5.10	0.82	0.15	0.02	2.63	13.37	3.36	1.88	6.61	1.06	0.20	0.03	3.42	16.56
4100	5.98	3.98	5.02	1.46	0.45	0.07	5.63	22.59	7.18	4.04	6.60	1.91	0.60	0.09	7.32	27.74
4105	6.86	4.58	6.44	1.87	0.56	0.08	6.46	26.85	8.24	4.65	8.47	2.46	0.76	0.11	8.40	33.09
4115	0.43	0.21	0.00	0.10	0.00	0.00	0.50	1.24								
4120	0.78	0.38	0.00	0.19	0.00	0.00	0.91	2.26								
4125	0.98	0.48	0.00	0.30	0.00	0.00	1.14	2.90								
4130	2.44	1.21	0.00	0.40	0.00	0.00	2.84	6.89								
4140	5.43	2.69	3.76	0.90	0.00	0.00	6.33	19.11								
4145	7.35	3.64	3.76	0.90	0.00	0.00	8.57	24.22								
4150	11.30	5.59	4.89	1.17	0.00	0.00	13.18	36.13								
4155	13.37	6.62	5.64	1.35	0.00	0.00	15.60	42.58								
4170	10.95	4.89	3.57	0.64	0.00	0.00	11.89	31.94	14.60	5.07	4.69	0.84	0.00	0.00	18.11	43.31
4175	15.80	7.80	6.41	1.15	0.00	0.00	18.31	49.47	19.75	8.00	8.42	1.52	0.00	0.00	25.74	63.43
4180	23.15	11.44	10.39	1.87	0.00	0.00	26.82	73.67	28.93	11.72	13.66	2.46	0.00	0.00	37.72	94.49
4185	32.79	17.33	15.80	2.84	0.00	0.00	40.10	108.86	39.35	17.65	20.77	3.74	0.00	0.00	53.47	134.98
4195	14.50	6.48	5.54	1.00	0.00	0.00	15.74	43.26	19.34	6.72	7.29	1.31	0.00	0.00	23.99	58.65
4200	17.67	8.73	8.14	1.47	0.00	0.00	20.47	56.48	22.08	8.95	10.70	1.93	0.00	0.00	28.79	72.45
4205	18.90	9.99	10.67	1.92	0.00	0.00	23.12	64.60	22.68	10.17	14.03	2.52	0.00	0.00	30.82	80.22
4210	40.30	21.30	21.34	3.84	0.00	0.00	49.29	136.07	48.36	21.69	28.05	5.05	0.00	0.00	65.72	168.87
4220	16.47	7.35	6.10	1.10	0.00	0.00	17.87	48.89	21.95	7.63	8.02	1.44	0.00	0.00	27.23	66.27
4225	19.40	9.58	7.10	1.28	0.00	0.00	22.48	59.84	24.25	9.82	9.34	1.68	0.00	0.00	31.61	76.70
4230	24.45	12.08	8.59	1.55	0.00	0.00	28.33	75.00	30.56	12.38	11.29	2.03	0.00	0.00	39.84	96.10
4235	36.35	19.21	13.58	2.44	0.00	0.00	44.46	116.04	43.62	19.57	17.85	3.21	0.00	0.00	59.28	143.53
4245	9.65	4.31	4.33	0.78	0.00	0.00	10.47	29.54	12.86	4.47	5.69	1.02	0.00	0.00	15.95	39.99
4250	11.98	5.35	5.72	1.03	0.00	0.00	13.00	37.08	15.97	5.55	7.51	1.35	0.00	0.00	19.81	50.19
4260	11.64	5.20	3.12	0.56	0.00	0.00	12.64	33.16	15.53	5.39	4.10	0.74	0.00	0.00	19.26	45.02
4265	14.39	6.43	4.68	0.84	0.00	0.00	15.62	41.96	19.18	6.66	6.15	1.11	0.00	0.00	23.80	56.90
4270	22.12	10.93	6.76	1.22	0.00	0.00	25.63	66.66	27.65	11.20	8.88	1.60	0.00	0.00	36.04	85.37
4275	34.46	17.02	11.26	2.03	0.00	0.00	39.93	104.70	43.07	17.45	14.80	2.66	0.00	0.00	56.15	134.13
4290	14.30	6.39	3.98	0.72	0.00	0.00	15.52	40.91	19.07	6.62	5.24	0.94	0.00	0.00	23.66	55.53
4295	17.88	7.99	5.54	1.00	0.00	0.00	19.41	51.82	23.84	8.28	7.29	1.31	0.00	0.00	29.57	70.29
4300	20.61	10.18	9.42	1.70	0.00	0.00	23.89	65.80	25.77	10.44	12.39	2.23	0.00	0.00	33.59	84.42
4315	11.74	5.80	6.24	1.12	0.00	0.00	13.60	38.50	14.67	5.94	8.20	1.48	0.00	0.00	19.12	49.41
4320	21.07	10.41	10.05	1.81	0.00	0.00	24.42	67.76	26.34	10.67	13.21	2.38	0.00	0.00	34.34	86.94
4325	26.30	13.90	13.51	2.43	0.00	0.00	32.17	88.31	31.56	14.16	17.76	3.20	0.00	0.00	42.89	109.57
4335	10.22	4.56	3.74	0.67	0.00	0.00	11.09	30.28	13.62	4.73	4.92	0.89	0.00	0.00	16.90	41.06
4340	13.54	6.05	4.95	0.89	0.00	0.00	14.69	40.12	18.05	6.27	6.51	1.17	0.00	0.00	22.39	54.39
4345	13.95	6.89	7.28	1.31	0.00	0.00	16.17	45.60	17.44	7.07	9.56	1.72	0.00	0.00	22.74	58.53
4350	20.21	9.98	8.32	1.50	0.00	0.00	23.42	63.43	25.26	10.23	10.93	1.97	0.00	0.00	32.93	81.32
4355	25.17	12.43	10.64	1.91	0.00	0.00	29.17	79.32	31.46	12.75	13.98	2.52	0.00	0.00	41.01	101.72
4360	28.09	14.84	11.50	2.07	0.00	0.00	34.36	90.86	33.71	15.12	15.12	2.72	0.00	0.00	45.81	112.48
4365	34.12	18.03	14.55	2.62	0.00	0.00	41.73	111.05	40.94	18.37	19.13	3.44	0.00	0.00	55.64	137.52
4370	40.65	21.48	16.08	2.89	0.00	0.00	49.72	130.82	48.78	21.88	21.13	3.80	0.00	0.00	66.30	161.89

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
4375	48.66	29.60	26.33	4.74	0.00	0.00	72.74	182.07	56.77	30.00	34.61	6.23	0.00	0.00	84.86	212.47
4380	56.06	34.10	28.83	5.19	0.00	0.00	83.80	207.98	65.40	34.56	37.89	6.82	0.00	0.00	97.77	242.44
4395	13.49	6.03	5.27	0.95	0.00	0.00	14.65	40.39	17.99	6.25	6.92	1.25	0.00	0.00	22.32	54.73
4400	18.64	9.21	7.90	1.42	0.00	0.00	21.60	58.77	23.30	9.44	10.38	1.87	0.00	0.00	30.37	75.36
4405	23.11	11.42	10.53	1.90	0.00	0.00	26.78	73.74	28.89	11.70	13.84	2.49	0.00	0.00	37.66	94.58
4415	8.46	6.19	7.52	2.07	0.55	0.08	6.16	31.03	9.76	6.26	9.85	2.71	0.69	0.10	7.81	37.18
4420	11.04	8.05	7.46	1.94	0.57	0.09	8.02	37.17	12.74	8.13	9.60	2.49	0.72	0.11	10.18	43.97
4425	12.07	10.48	12.37	3.22	0.92	0.14	10.54	49.74	13.57	10.55	15.95	4.15	1.15	0.17	12.84	58.38
4435	1.46	0.73	0.00	0.11	0.00	0.00	1.77	4.07	1.83	0.75	0.00	0.11	0.00	0.00	2.48	5.17
4440	1.93	0.97	0.00	0.13	0.00	0.00	2.33	5.36	2.41	0.99	0.00	0.13	0.00	0.00	3.27	6.80
4445	2.86	1.43	0.00	0.16	0.00	0.00	3.45	7.90	3.58	1.47	0.00	0.16	0.00	0.00	4.85	10.06
4450	1.46	0.73	0.00	0.23	0.00	0.00	1.76	4.18	1.83	0.75	0.00	0.23	0.00	0.00	2.48	5.29
4460	1.16	0.58	0.54	0.13	0.00	0.00	2.93	5.34								
4470	0.81	0.42	0.30	0.07	0.06	0.01	2.08	3.75								
4475	1.06	0.55	0.84	0.20	0.06	0.01	2.71	5.43								
4480	1.44	0.73	0.74	0.18	0.06	0.01	3.65	6.81								
4490	1.98	1.30	1.05	0.29	0.79	0.12	3.07	8.60	2.47	1.33	1.39	0.39	1.23	0.19	4.26	11.26
4500	0.41	0.25	0.00	0.00	0.00	0.00	0.61	1.27	0.51	0.25	0.00	0.00	0.00	0.00	0.85	1.61
4505	0.58	0.35	0.00	0.00	0.00	0.00	0.87	1.80	0.72	0.36	0.00	0.00	0.00	0.00	1.21	2.29
4510	0.09	0.06	0.00	0.00	0.00	0.00	0.14	0.29	0.11	0.06	0.00	0.00	0.00	0.00	0.19	0.36
4515	0.48	0.29	0.00	0.00	0.00	0.00	0.73	1.50	0.61	0.30	0.00	0.00	0.00	0.00	1.02	1.93
4520	0.39	0.24	0.00	0.00	0.00	0.00	0.59	1.22	0.49	0.24	0.00	0.00	0.00	0.00	0.82	1.55
4525	0.47	0.28	0.00	0.00	0.00	0.00	0.71	1.46	0.59	0.29	0.00	0.00	0.00	0.00	0.98	1.86
4530	0.61	0.37	0.00	0.00	0.00	0.00	0.92	1.90	0.76	0.38	0.00	0.00	0.00	0.00	1.28	2.42
4535	0.07	0.04	0.00	0.00	0.00	0.00	0.11	0.22	0.09	0.05	0.00	0.00	0.00	0.00	0.15	0.29
4540	2.21	1.46	1.58	0.44	0.96	0.14	3.43	10.22	2.76	1.49	2.08	0.58	1.52	0.23	4.77	13.43
4550	0.50	0.31	0.00	0.00	0.00	0.00	0.76	1.57	0.63	0.31	0.00	0.00	0.00	0.00	1.05	1.99
4555	0.61	0.37	0.00	0.00	0.00	0.00	0.92	1.90	0.76	0.38	0.00	0.00	0.00	0.00	1.28	2.42
4560	0.09	0.06	0.00	0.00	0.00	0.00	0.14	0.29	0.11	0.06	0.00	0.00	0.00	0.00	0.19	0.36
4565	0.48	0.29	0.00	0.00	0.00	0.00	0.73	1.50	0.61	0.30	0.00	0.00	0.00	0.00	1.02	1.93
4570	0.44	0.27	0.00	0.00	0.00	0.00	0.67	1.38	0.55	0.27	0.00	0.00	0.00	0.00	0.93	1.75
4575	0.55	0.33	0.00	0.00	0.00	0.00	0.83	1.71	0.69	0.34	0.00	0.00	0.00	0.00	1.15	2.18
4580	0.69	0.42	0.00	0.00	0.00	0.00	1.05	2.16	0.87	0.43	0.00	0.00	0.00	0.00	1.46	2.76
4585	0.07	0.04	0.00	0.00	0.00	0.00	0.11	0.22	0.09	0.05	0.00	0.00	0.00	0.00	0.15	0.29
4590	2.50	1.67	2.11	0.59	1.28	0.19	3.90	12.24	3.12	1.71	2.77	0.78	2.01	0.30	5.41	16.10
4600	0.54	0.33	0.00	0.00	0.00	0.00	0.81	1.68	0.67	0.33	0.00	0.00	0.00	0.00	1.13	2.13
4605	0.64	0.39	0.00	0.00	0.00	0.00	0.97	2.00	0.80	0.40	0.00	0.00	0.00	0.00	1.35	2.55
4610	0.09	0.06	0.00	0.00	0.00	0.00	0.14	0.29	0.11	0.06	0.00	0.00	0.00	0.00	0.19	0.36
4615	0.48	0.29	0.00	0.00	0.00	0.00	0.73	1.50	0.61	0.30	0.00	0.00	0.00	0.00	1.02	1.93
4620	0.50	0.30	0.00	0.00	0.00	0.00	0.76	1.56	0.63	0.31	0.00	0.00	0.00	0.00	1.05	1.99
4625	0.66	0.40	0.00	0.00	0.00	0.00	0.99	2.05	0.82	0.41	0.00	0.00	0.00	0.00	1.38	2.61
4630	0.87	0.53	0.00	0.00	0.00	0.00	1.32	2.72	1.09	0.54	0.00	0.00	0.00	0.00	1.83	3.46
4635	0.07	0.04	0.00	0.00	0.00	0.00	0.11	0.22	0.09	0.05	0.00	0.00	0.00	0.00	0.15	0.29
4640	3.01	2.04	3.16	0.88	1.78	0.27	4.71	15.85	3.76	2.08	4.16	1.16	2.81	0.42	6.54	20.93
4650	0.57	0.35	0.00	0.00	0.00	0.00	0.87	1.79	0.72	0.36	0.00	0.00	0.00	0.00	1.21	2.29
4655	0.74	0.45	0.00	0.00	0.00	0.00	1.12	2.31	0.92	0.46	0.00	0.00	0.00	0.00	1.55	2.93
4660	0.09	0.06	0.00	0.00	0.00	0.00	0.14	0.29	0.11	0.06	0.00	0.00	0.00	0.00	0.19	0.36
4665	0.48	0.29	0.00	0.00	0.00	0.00	0.73	1.50	0.61	0.30	0.00	0.00	0.00	0.00	1.02	1.93
4670	0.63	0.38	0.00	0.00	0.00	0.00	0.95	1.96	0.78	0.39	0.00	0.00	0.00	0.00	1.31	2.48
4675	0.81	0.49	0.00	0.00	0.00	0.00	1.23	2.53	1.01	0.50	0.00	0.00	0.00	0.00	1.70	3.21
4680	1.09	0.66	0.00	0.00	0.00	0.00	1.65	3.40	1.36	0.68	0.00	0.00	0.00	0.00	2.29	4.33
4685	0.07	0.04	0.00	0.00	0.00	0.00	0.11	0.22	0.09	0.05	0.00	0.00	0.00	0.00	0.15	0.29
4690	5.39	3.53	4.70	1.32	2.08	0.31	8.36	25.69	6.74	3.61	6.19	1.73	3.27	0.49	11.61	33.64
4700	0.82	0.50	0.00	0.00	0.00	0.00	1.24	2.56	1.03	0.51	0.00	0.00	0.00	0.00	1.72	3.26
4705	0.09	0.06	0.00	0.00	0.00	0.00	0.14	0.29	0.11	0.06	0.00	0.00	0.00	0.00	0.19	0.36

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
4710	0.54	0.33	0.00	0.00	0.00	0.00	0.82	1.69	0.67	0.33	0.00	0.00	0.00	0.00	1.13	2.13
4715	0.72	0.44	0.00	0.00	0.00	0.00	1.08	2.24	0.90	0.44	0.00	0.00	0.00	0.00	1.51	2.85
4720	0.99	0.60	0.00	0.00	0.00	0.00	1.50	3.09	1.24	0.62	0.00	0.00	0.00	0.00	2.08	3.94
4725	1.29	0.78	0.00	0.00	0.00	0.00	1.95	4.02	1.61	0.80	0.00	0.00	0.00	0.00	2.70	5.11
4730	0.07	0.04	0.00	0.00	0.00	0.00	0.11	0.22	0.09	0.05	0.00	0.00	0.00	0.00	0.15	0.29
4735	9.26	6.23	4.70	1.32	5.12	0.77	14.48	41.88	11.58	6.35	6.19	1.73	8.12	1.22	20.11	55.30
4740	10.38	6.92	6.96	1.95	5.22	0.78	16.18	48.39	12.98	7.06	9.16	2.56	8.29	1.24	22.48	63.77
4745	10.44	7.15	6.96	1.95	7.23	1.08	16.42	51.23	13.05	7.29	9.16	2.56	11.54	1.73	22.80	68.13
4750	11.90	8.17	10.91	3.05	8.54	1.28	18.74	62.59	14.88	8.33	14.35	4.02	13.68	2.05	26.02	83.33
4755	11.62	7.66	6.96	1.95	5.12	0.77	18.04	52.12	14.52	7.81	9.16	2.56	8.12	1.22	25.06	68.45
4760	12.32	8.09	6.96	1.95	5.22	0.78	19.11	54.43	15.40	8.26	9.16	2.56	8.29	1.24	26.54	71.45
4765	13.78	9.18	10.91	3.05	7.23	1.08	21.48	66.71	17.23	9.37	14.35	4.02	11.54	1.73	29.84	88.08
4770	15.06	10.09	10.91	3.05	8.54	1.28	23.52	72.45	18.83	10.29	14.35	4.02	13.68	2.05	32.67	95.89
4780	0.79	0.48	0.00	0.00	0.00	0.00	1.20	2.47	0.99	0.49	0.00	0.00	0.00	0.00	1.66	3.14
4785	1.06	0.64	0.00	0.00	0.00	0.00	1.60	3.30	1.32	0.66	0.00	0.00	0.00	0.00	2.22	4.20
4790	1.41	0.86	0.00	0.00	0.00	0.00	2.14	4.41	1.77	0.88	0.00	0.00	0.00	0.00	2.97	5.62
4795	1.61	0.98	0.00	0.00	0.00	0.00	2.43	5.02	2.01	1.00	0.00	0.00	0.00	0.00	3.37	6.38
4805	3.11	1.55	1.58	0.60	0.00	0.00	5.62	12.46	3.89	1.59	2.08	0.79	0.00	0.00	7.61	15.96
4810	4.01	2.00	2.15	0.82	0.00	0.00	7.24	16.22	5.01	2.05	2.83	1.08	0.00	0.00	9.81	20.78
4815	5.40	2.70	3.17	1.20	0.00	0.00	9.77	22.24	6.75	2.77	4.17	1.58	0.00	0.00	13.22	28.49
4820	7.28	3.64	4.26	1.62	0.00	0.00	13.17	29.97	9.10	3.73	5.61	2.13	0.00	0.00	17.83	38.40
4825	8.58	4.29	5.68	2.16	0.00	0.00	15.51	36.22	10.73	4.40	7.48	2.84	0.00	0.00	21.01	46.46
4835	3.51	1.76	2.64	1.00	0.00	0.00	6.34	15.25	4.39	1.80	3.47	1.32	0.00	0.00	8.59	19.57
4840	6.18	3.09	3.25	1.23	0.00	0.00	11.17	24.92	7.72	3.17	4.28	1.63	0.00	0.00	15.12	31.92
4845	7.67	3.83	4.46	1.70	0.00	0.00	13.86	31.52	9.58	3.93	5.88	2.23	0.00	0.00	18.76	40.38
4850	10.09	5.05	6.09	2.31	0.00	0.00	18.25	41.79	12.62	5.17	8.02	3.05	0.00	0.00	24.71	53.57
4855	15.00	7.50	8.52	3.24	0.00	0.00	27.12	61.38	18.75	7.69	11.23	4.27	0.00	0.00	36.72	78.66
4860	20.43	10.22	11.16	4.24	0.00	0.00	36.94	82.99	25.54	10.47	14.70	5.59	0.00	0.00	50.02	106.32
4870	4.71	2.35	3.53	1.34	0.00	0.00	8.51	20.44	5.89	2.41	4.65	1.77	0.00	0.00	11.52	26.24
4875	5.96	2.98	4.95	1.88	0.00	0.00	10.78	26.55	7.46	3.06	6.52	2.48	0.00	0.00	14.60	34.12
4880	7.89	3.95	6.09	2.31	0.00	0.00	14.26	34.50	9.86	4.04	8.02	3.05	0.00	0.00	19.31	44.28
4885	11.27	5.64	9.05	3.44	0.00	0.00	20.38	49.78	14.09	5.78	11.92	4.53	0.00	0.00	27.59	63.91
4895	4.07	2.03	2.64	1.00	0.00	0.00	7.35	17.09	5.09	2.09	3.47	1.32	0.00	0.00	9.96	21.93
4900	4.87	2.44	3.17	1.20	0.00	0.00	8.81	20.49	6.09	2.50	4.17	1.58	0.00	0.00	11.93	26.27
4905	7.90	3.95	5.28	2.01	0.00	0.00	14.27	33.41	9.87	4.05	6.95	2.64	0.00	0.00	19.33	42.84
4910	11.18	5.59	7.71	2.93	0.00	0.00	20.21	47.62	13.98	5.73	10.16	3.86	0.00	0.00	27.37	61.10
4920	2.99	1.50	1.70	0.65	0.00	0.00	5.41	12.25	3.74	1.53	2.25	0.85	0.00	0.00	7.32	15.69
4925	3.91	1.96	2.64	1.00	0.00	0.00	7.07	16.58	4.89	2.01	3.47	1.32	0.00	0.00	9.58	21.27
4935	3.73	1.87	2.56	0.97	0.00	0.00	6.74	15.87	4.66	1.91	3.37	1.28	0.00	0.00	9.13	20.35
4940	6.48	3.24	4.46	1.70	0.00	0.00	11.71	27.59	8.10	3.32	5.88	2.23	0.00	0.00	15.86	35.39
4945	7.87	3.93	5.48	2.08	0.00	0.00	14.22	33.58	9.83	4.03	7.22	2.74	0.00	0.00	19.25	43.07
4950	11.58	5.79	8.12	3.08	0.00	0.00	20.92	49.49	14.47	5.93	10.69	4.06	0.00	0.00	28.34	63.49
4955	22.39	11.20	14.21	5.40	0.00	0.00	40.48	93.68	27.99	11.48	18.71	7.11	0.00	0.00	54.81	120.10
4965	0.55	0.31	1.30	0.42	0.09	0.01	0.61	3.29	0.69	0.32	1.69	0.54	0.17	0.03	0.81	4.25
4970	0.69	0.39	0.49	0.20	0.09	0.01	0.76	2.63	0.86	0.40	0.64	0.26	0.17	0.03	1.02	3.38
4975	0.81	0.45	1.87	0.60	0.08	0.01	0.89	4.71	1.01	0.46	2.43	0.78	0.15	0.02	1.19	6.04
4980	0.95	0.53	0.71	0.29	0.08	0.01	1.05	3.62	1.19	0.54	0.94	0.38	0.15	0.02	1.40	4.62
4985	1.00	0.56	2.44	0.78	0.10	0.01	1.10	5.99	1.25	0.58	3.17	1.02	0.18	0.03	1.48	7.71
4990	0.96	0.54	2.44	0.78	0.10	0.01	1.06	5.89	1.20	0.55	3.17	1.02	0.18	0.03	1.41	7.56
4995	1.12	0.63	1.05	0.42	0.10	0.01	1.23	4.56	1.40	0.64	1.39	0.55	0.18	0.03	1.65	5.84
5000	1.03	0.58	2.60	0.83	0.10	0.01	1.13	6.28	1.28	0.59	3.38	1.08	0.18	0.03	1.51	8.05
5005	1.19	0.67	2.76	0.88	0.10	0.01	1.31	6.92	1.49	0.68	3.60	1.15	0.18	0.03	1.76	8.89
5010	1.28	0.71	1.35	0.54	0.10	0.01	1.41	5.40	1.60	0.73	1.78	0.71	0.18	0.03	1.89	6.92
5015	1.55	0.89	1.58	0.63	0.26	0.04	1.72	6.67	1.94	0.91	2.08	0.83	0.50	0.07	2.30	8.63
5020	1.62	0.92	2.03	0.81	0.26	0.04	1.79	7.47	2.02	0.94	2.67	1.07	0.50	0.07	2.40	9.67

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITTONS								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
5025	2.82	1.68	2.93	1.17	0.97	0.14	3.16	12.87	3.52	1.72	3.86	1.54	1.84	0.28	4.23	16.99
5035	4.57	2.60	3.12	1.25	0.65	0.10	5.05	17.34	5.71	2.66	4.11	1.64	1.24	0.19	6.77	22.32
5040	5.58	3.15	3.87	1.55	0.68	0.10	6.16	21.09	6.97	3.22	5.10	2.04	1.30	0.19	8.25	27.07
5045	7.83	4.43	4.97	1.99	1.00	0.15	8.65	29.02	9.79	4.53	6.53	2.61	1.90	0.28	11.58	37.22
5050	10.28	5.88	6.96	2.78	1.75	0.26	11.38	39.29	12.84	6.01	9.16	3.66	3.33	0.50	15.25	50.75
5060	3.70	2.13	2.45	0.98	0.73	0.11	4.11	14.21	4.62	2.18	3.22	1.29	1.40	0.21	5.50	18.42
5065	4.82	2.75	3.01	1.20	0.74	0.11	5.33	17.96	6.02	2.81	3.96	1.58	1.42	0.21	7.14	23.14
5070	5.47	3.14	3.76	1.50	1.00	0.15	6.06	21.08	6.83	3.21	4.95	1.98	1.90	0.28	8.12	27.27
5075	8.69	5.00	4.89	1.96	1.66	0.25	9.64	32.09	10.86	5.11	6.43	2.57	3.18	0.48	12.90	41.53
5080	11.75	6.82	7.52	3.01	2.65	0.40	13.06	45.21	14.69	6.97	9.90	3.96	5.06	0.76	17.50	58.84
5085	14.87	8.43	10.16	3.05	4.81	0.72	14.42	56.46	17.85	8.59	13.36	4.01	9.19	1.38	18.54	72.92
5090	20.64	12.15	14.11	4.23	7.52	1.13	20.14	79.92	24.77	12.37	18.56	5.57	14.35	2.15	25.89	103.66
5095	41.09	24.73	25.96	7.79	18.38	2.76	40.24	160.95	49.30	25.19	34.15	10.25	35.09	5.26	51.73	210.97
5105	4.31	2.47	3.08	1.23	0.73	0.11	4.78	16.71	5.39	2.52	4.06	1.62	1.40	0.21	6.40	21.60
5110	5.00	2.84	4.03	1.61	0.74	0.11	5.53	19.86	6.25	2.91	5.30	2.12	1.42	0.21	7.40	25.61
5115	5.78	3.31	4.55	1.82	1.00	0.15	6.40	23.01	7.22	3.38	5.99	2.40	1.90	0.28	8.57	29.74
5120	8.33	4.84	5.79	2.32	1.91	0.29	9.27	32.75	10.41	4.95	7.62	3.05	3.65	0.55	12.41	42.64
5125	11.22	6.58	7.90	3.16	3.05	0.46	12.51	44.88	14.02	6.73	10.39	4.16	5.82	0.87	16.76	58.75
5130	14.22	8.08	10.27	3.08	4.81	0.72	13.79	54.97	17.06	8.24	13.51	4.05	9.19	1.38	17.73	71.16
5135	19.53	11.28	13.54	4.06	5.82	0.87	18.99	74.09	23.43	11.49	17.82	5.35	11.11	1.67	24.41	95.28
5140	36.14	21.46	23.02	6.91	14.36	2.15	35.31	139.35	43.36	21.86	30.29	9.09	27.42	4.11	45.39	181.52
5150	3.85	2.21	3.01	1.20	0.68	0.10	4.27	15.32	4.82	2.26	3.96	1.58	1.30	0.19	5.72	19.83
5155	5.08	2.88	3.84	1.53	0.68	0.10	5.62	19.73	6.36	2.95	5.05	2.02	1.30	0.19	7.52	25.39
5160	5.54	3.18	4.51	1.81	1.00	0.15	6.14	22.33	6.92	3.25	5.94	2.38	1.90	0.28	8.22	28.89
5165	7.59	4.44	5.83	2.33	2.01	0.30	8.46	30.96	9.49	4.54	7.67	3.07	3.83	0.57	11.33	40.50
5170	10.96	6.44	8.09	3.24	3.05	0.46	12.23	44.47	13.70	6.59	10.64	4.26	5.82	0.87	16.38	58.26
5175	15.74	9.27	12.60	3.78	5.82	0.87	15.35	63.43	18.88	9.45	16.58	4.97	11.11	1.67	19.74	82.40
5185	3.34	2.04	3.01	1.20	1.50	0.22	3.77	15.08	4.17	2.09	3.96	1.58	2.86	0.43	5.05	20.14
5190	4.31	2.50	3.76	1.50	1.00	0.15	4.79	18.01	5.39	2.56	4.95	1.98	1.90	0.28	6.42	23.48
5195	5.14	2.97	4.51	1.81	1.05	0.16	5.71	21.35	6.42	3.03	5.94	2.38	2.01	0.30	7.64	27.72
5200	7.61	4.41	5.83	2.33	1.66	0.25	8.46	30.55	9.52	4.51	7.67	3.07	3.18	0.48	11.33	39.76
5205	10.35	6.08	7.11	2.84	2.90	0.44	11.55	41.27	12.93	6.22	9.36	3.74	5.55	0.83	15.47	54.10
5210	14.25	8.10	7.86	2.36	4.81	0.72	13.82	51.92	17.10	8.25	10.35	3.10	9.19	1.38	17.77	67.14
5215	20.09	11.58	15.61	4.68	5.82	0.87	19.53	78.18	24.11	11.80	20.54	6.16	11.11	1.67	25.11	100.50
5220	41.40	23.77	22.20	6.66	11.41	1.71	40.22	147.37	49.69	24.21	29.20	8.76	21.78	3.27	51.71	188.62
5230	7.63	4.42	6.02	2.41	1.66	0.25	8.48	30.87	9.54	4.52	7.92	3.17	3.18	0.48	11.36	40.17
5235	10.99	6.13	8.69	2.61	2.65	0.40	10.63	42.10	13.19	6.24	11.43	3.43	5.06	0.76	13.66	53.77
5240	14.23	8.09	11.55	3.46	4.81	0.72	13.80	56.66	17.07	8.24	15.20	4.56	9.19	1.38	17.74	73.38
5245	20.09	11.58	14.60	4.38	5.82	0.87	19.52	76.86	24.10	11.79	19.21	5.76	11.11	1.67	25.10	98.74
5250	27.36	16.14	16.33	4.90	10.20	1.53	26.70	103.16	32.84	16.44	21.48	6.44	19.48	2.92	34.33	133.93
5260	4.80	2.73	3.20	1.28	0.74	0.11	5.31	18.17	6.00	2.80	4.21	1.68	1.42	0.21	7.11	23.43
5265	5.48	3.15	9.50	3.04	1.00	0.15	6.08	28.40	6.85	3.22	12.38	3.96	1.90	0.28	8.14	36.73
5270	7.72	4.47	5.42	2.17	1.66	0.25	8.58	30.27	9.65	4.57	7.13	2.85	3.18	0.48	11.49	39.35
5275	9.37	5.50	6.85	2.74	2.53	0.38	10.45	37.82	11.72	5.62	9.01	3.60	4.82	0.72	14.00	49.49
5280	10.25	5.99	8.09	3.24	2.65	0.40	11.42	42.04	12.81	6.13	10.64	4.26	5.06	0.76	15.30	54.96
5285	14.25	8.10	10.72	3.22	4.81	0.72	13.82	55.64	17.10	8.25	14.11	4.23	9.19	1.38	17.77	72.03
5290	18.57	10.77	15.05	4.51	5.82	0.87	18.07	73.66	22.29	10.98	19.80	5.94	11.11	1.67	23.24	95.03
5300	3.38	1.89	2.07	0.58	0.21	0.03	4.26	12.42	4.23	1.93	2.72	0.76	0.29	0.04	5.65	15.62
5305	4.83	2.71	3.01	0.84	0.37	0.06	6.08	17.90	6.03	2.77	3.96	1.11	0.52	0.08	8.07	22.54
5315	3.14	1.82	2.33	0.65	0.58	0.09	3.99	12.60	3.92	1.86	3.07	0.86	0.82	0.12	5.30	15.95
5320	4.91	2.79	3.01	0.84	0.55	0.08	6.21	18.39	6.14	2.85	3.96	1.11	0.76	0.11	8.24	23.17
5330	4.00	2.00	1.58	0.60	0.00	0.00	7.23	15.41	5.00	2.05	2.08	0.79	0.00	0.00	9.80	19.72
5335	4.89	2.45	2.15	0.82	0.00	0.00	8.84	19.15	6.12	2.51	2.83	1.08	0.00	0.00	11.98	24.52
5345	4.50	2.25	2.64	1.00	0.00	0.00	8.13	18.52	5.62	2.30	3.47	1.32	0.00	0.00	11.00	23.71
5365	0.56	0.22	0.00	0.48	0.00	0.00	0.85	2.11								

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
5370	1.17	0.45	0.00	1.00	0.00	0.00	1.76	4.38								
5375	2.26	0.87	0.00	1.89	0.00	0.00	3.42	8.44								
5380	0.59	0.23	0.00	0.24	0.00	0.00	0.89	1.95								
5385	0.93	0.36	0.00	0.34	0.00	0.00	1.40	3.03								
5395	1.62	0.62	0.00	0.24	0.00	0.00	2.44	4.92								
5400	2.44	0.94	0.00	0.32	0.00	0.00	3.69	7.39								
5410	1.91	0.73	0.00	0.26	0.00	0.00	2.88	5.78								
5415	2.59	1.00	0.00	0.47	0.00	0.00	3.92	7.98								
5420	3.07	1.18	0.00	0.75	0.00	0.00	4.65	9.65								
5430	4.19	1.61	0.00	0.06	0.00	0.00	6.33	12.19								
5435	4.35	1.67	0.00	0.06	0.00	0.00	6.58	12.66								
5440	7.49	2.88	0.00	0.06	0.00	0.00	11.34	21.77								
5445	7.97	3.07	0.00	0.06	0.00	0.00	12.06	23.16								
5455	4.19	1.61	0.00	0.41	0.00	0.00	6.34	12.55								
5460	4.80	1.85	0.00	0.47	0.00	0.00	7.27	14.39								
5465	5.56	2.14	0.00	0.57	0.00	0.00	8.41	16.68								
5470	6.10	2.34	0.00	0.70	0.00	0.00	9.22	18.36								
5475	6.84	2.63	0.00	0.61	0.00	0.00	10.34	20.42								
5480	8.12	3.12	0.00	0.90	0.00	0.00	12.29	24.43								
5485	9.55	3.67	0.00	0.90	0.00	0.00	14.44	28.56								
5490	11.29	4.34	0.00	1.09	0.00	0.00	17.08	33.80								
5495	18.74	7.20	0.00	1.20	0.00	0.00	28.35	55.49								
5505	3.08	1.18	0.00	0.47	0.00	0.00	4.66	9.39								
5510	3.68	1.41	0.00	0.62	0.00	0.00	5.56	11.27								
5515	4.99	1.92	0.00	0.62	0.00	0.00	7.55	15.08								
5520	1.27	0.49	0.00	0.24	0.00	0.00	1.91	3.91								
5525	1.60	0.61	0.00	0.32	0.00	0.00	2.42	4.95								
5530	2.07	0.79	0.00	0.41	0.00	0.00	3.13	6.40								
5540	5.35	2.06	0.00	0.64	0.00	0.00	8.10	16.15								
5545	6.11	2.35	0.00	0.75	0.00	0.00	9.24	18.45								
5550	6.58	2.53	0.00	0.90	0.00	0.00	9.95	19.96								
5555	7.93	3.05	0.00	1.05	0.00	0.00	12.00	24.03								
5560	9.92	3.81	0.00	1.09	0.00	0.00	15.00	29.82								
5565	14.22	5.46	0.00	1.30	0.00	0.00	21.50	42.48								
5575	7.38	2.84	2.22	0.62	0.00	0.00	11.17	24.23								
5580	14.43	5.55	5.87	1.64	0.00	0.00	21.83	49.32								
5585	19.58	7.53	11.10	3.11	0.00	0.00	29.61	70.93								
5595	5.89	4.83	2.18	0.70	0.00	0.00	8.37	21.97	7.07	4.89	2.81	0.90	0.00	0.00	11.38	27.05
5600	9.44	7.75	4.16	1.33	0.00	0.00	13.42	36.10	11.33	7.84	5.35	1.71	0.00	0.00	18.26	44.49
5605	10.81	8.87	4.16	1.33	0.00	0.00	15.37	40.54	12.97	8.97	5.35	1.71	0.00	0.00	20.90	49.90
5610	13.53	11.10	6.24	2.00	0.00	0.00	19.24	52.11	16.24	11.24	8.02	2.57	0.00	0.00	26.17	64.24
5615	18.90	15.50	8.52	2.73	0.00	0.00	26.87	72.52	22.67	15.69	10.96	3.51	0.00	0.00	36.54	89.37
5625	1.13	0.51	0.00	0.15	0.00	0.00	1.59	3.38								
5630	0.42	0.19	0.00	0.10	0.00	0.00	0.59	1.30								
5635	1.67	0.75	0.00	0.30	0.00	0.00	2.35	5.07								
5640	0.72	0.32	0.00	0.05	0.00	0.00	1.02	2.11								
5650	0.52	0.26	1.12	0.36	0.00	0.00	0.61	2.87								
5655	0.66	0.33	1.68	0.54	0.00	0.00	0.77	3.98								
5665	0.04	0.02	0.22	0.07	0.00	0.00	0.04	0.39								
5670	0.04	0.02	0.34	0.11	0.00	0.00	0.05	0.56								
5675	0.08	0.04	0.90	0.29	0.00	0.00	0.09	1.40								
5685	0.70	0.35	4.81	1.54	0.00	0.00	0.81	8.21								
5690	0.40	0.20	1.57	0.60	0.00	0.00	0.47	3.24								
5695	0.92	0.46	8.84	2.83	0.00	0.00	1.08	14.13								
5700	1.33	0.66	3.15	1.20	0.00	0.00	1.55	7.89								

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
5705	1.71	0.84	3.67	1.40	0.00	0.00	1.99	9.61								
5710	1.81	0.90	3.57	1.36	0.00	0.00	2.12	9.76								
5720	0.07	0.03	0.56	0.18	0.00	0.00	0.08	0.92								
5725	0.10	0.05	0.90	0.29	0.00	0.00	0.11	1.45								
5730	0.20	0.10	1.79	0.57	0.00	0.00	0.23	2.89								
5740	0.08	0.04	0.34	0.11	0.00	0.00	0.10	0.67								
5745	0.10	0.05	0.34	0.11	0.00	0.00	0.11	0.71								
5755	0.12	0.06	0.16	0.07	0.00	0.00	0.07	0.48								
5760	0.17	0.09	0.40	0.18	0.00	0.00	0.10	0.94								
5765	0.62	0.31	2.02	0.91	0.00	0.00	0.36	4.22								
5770	0.82	0.41	4.86	2.19	0.00	0.00	0.48	8.76								
5780	0.11	0.05	0.16	0.07	0.00	0.00	0.06	0.45								
5785	0.13	0.07	0.32	0.15	0.00	0.00	0.08	0.75								
5795	4.16	1.70	0.00	0.08	0.00	0.00	5.01	10.95	5.54	1.77	0.00	0.08	0.00	0.00	7.51	14.90
5800	0.33	0.14	0.00	0.00	0.00	0.00	0.40	0.87	0.44	0.14	0.00	0.00	0.00	0.00	0.60	1.18
5805	2.42	0.99	0.00	0.08	0.00	0.00	2.91	6.40	3.22	1.03	0.00	0.08	0.00	0.00	4.37	8.70
5810	0.24	0.10	0.00	0.00	0.00	0.00	0.29	0.63	0.32	0.10	0.00	0.00	0.00	0.00	0.43	0.85
5815	1.99	0.81	0.00	0.08	0.00	0.00	2.39	5.27	2.65	0.85	0.00	0.08	0.00	0.00	3.59	7.17
5820	0.14	0.06	0.00	0.00	0.00	0.00	0.17	0.37	0.19	0.06	0.00	0.00	0.00	0.00	0.26	0.51
5825	0.91	0.37	0.00	0.08	0.00	0.00	1.10	2.46	1.21	0.39	0.00	0.08	0.00	0.00	1.64	3.32
5830	0.03	0.01	0.00	0.00	0.00	0.00	0.04	0.08	0.04	0.01	0.00	0.00	0.00	0.00	0.06	0.11
5835	2.09	0.86	0.00	0.08	0.00	0.00	2.52	5.55	2.79	0.89	0.00	0.08	0.00	0.00	3.78	7.54
5840	0.19	0.08	0.00	0.00	0.00	0.00	0.23	0.50	0.25	0.08	0.00	0.00	0.00	0.00	0.34	0.67
5845	1.52	0.62	0.00	0.08	0.00	0.00	1.83	4.05	2.02	0.65	0.00	0.08	0.00	0.00	2.74	5.49
5850	0.14	0.06	0.00	0.00	0.00	0.00	0.16	0.36	0.18	0.06	0.00	0.00	0.00	0.00	0.25	0.49
5855	0.85	0.35	0.00	0.08	0.00	0.00	1.02	2.30	1.13	0.36	0.00	0.08	0.00	0.00	1.53	3.10
5860	0.03	0.01	0.00	0.00	0.00	0.00	0.04	0.08	0.04	0.01	0.00	0.00	0.00	0.00	0.05	0.10
5865	2.36	0.97	0.00	0.08	0.00	0.00	2.84	6.25	3.14	1.01	0.00	0.08	0.00	0.00	4.26	8.49
5870	0.19	0.08	0.00	0.00	0.00	0.00	0.23	0.50	0.25	0.08	0.00	0.00	0.00	0.00	0.34	0.67
5875	2.29	0.94	0.00	0.08	0.00	0.00	2.76	6.07	3.05	0.98	0.00	0.08	0.00	0.00	4.13	8.24
5880	0.44	0.18	0.00	0.00	0.00	0.00	0.53	1.15	0.58	0.19	0.00	0.00	0.00	0.00	0.79	1.56
5885	2.09	0.86	0.00	0.08	0.00	0.00	2.52	5.55	2.79	0.89	0.00	0.08	0.00	0.00	3.78	7.54
5890	0.19	0.08	0.00	0.00	0.00	0.00	0.23	0.50	0.25	0.08	0.00	0.00	0.00	0.00	0.34	0.67
5895	0.71	0.36	0.00	0.08	0.00	0.00	0.86	2.01	0.89	0.36	0.00	0.08	0.00	0.00	1.20	2.53
5905	4.84	1.98	0.00	0.08	0.00	0.00	5.83	12.73	6.45	2.06	0.00	0.08	0.00	0.00	8.75	17.34
5910	0.35	0.14	0.00	0.00	0.00	0.00	0.42	0.91	0.47	0.15	0.00	0.00	0.00	0.00	0.64	1.26
5915	5.13	2.10	0.00	0.08	0.00	0.00	6.18	13.49	6.84	2.19	0.00	0.08	0.00	0.00	9.27	18.38
5920	4.08	1.67	0.00	0.08	0.00	0.00	4.92	10.75	5.44	1.74	0.00	0.08	0.00	0.00	7.37	14.63
5925	0.32	0.13	0.00	0.00	0.00	0.00	0.38	0.83	0.42	0.14	0.00	0.00	0.00	0.00	0.57	1.13
5930	3.80	1.56	0.00	0.08	0.00	0.00	4.58	10.02	5.07	1.62	0.00	0.08	0.00	0.00	6.87	13.64
5935	2.74	1.12	0.00	0.08	0.00	0.00	3.30	7.24	3.66	1.17	0.00	0.08	0.00	0.00	4.96	9.87
5940	0.18	0.07	0.00	0.00	0.00	0.00	0.21	0.46	0.24	0.08	0.00	0.00	0.00	0.00	0.32	0.64
5945	2.67	1.10	0.00	0.08	0.00	0.00	3.22	7.07	3.56	1.14	0.00	0.08	0.00	0.00	4.83	9.61
5950	1.53	0.63	0.00	0.08	0.00	0.00	1.85	4.09	2.05	0.65	0.00	0.08	0.00	0.00	2.77	5.55
5955	0.09	0.04	0.00	0.00	0.00	0.00	0.11	0.24	0.12	0.04	0.00	0.00	0.00	0.00	0.16	0.32
5960	0.96	0.39	0.00	0.08	0.00	0.00	1.16	2.59	1.28	0.41	0.00	0.08	0.00	0.00	1.73	3.50
5965	0.05	0.02	0.00	0.00	0.00	0.00	0.06	0.13	0.06	0.02	0.00	0.00	0.00	0.00	0.08	0.16
5970	0.59	0.24	0.00	0.08	0.00	0.00	0.71	1.62	0.79	0.25	0.00	0.08	0.00	0.00	1.07	2.19
5975	0.03	0.01	0.00	0.00	0.00	0.00	0.03	0.07	0.03	0.01	0.00	0.00	0.00	0.00	0.05	0.09
5980	0.26	0.11	0.00	0.08	0.00	0.00	0.31	0.76	0.35	0.11	0.00	0.08	0.00	0.00	0.47	1.01
5985	0.01	0.01	0.00	0.00	0.00	0.00	0.02	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.03	0.06
5995	5.68	2.33	0.00	0.05	0.00	0.00	6.84	14.90	7.57	2.42	0.00	0.05	0.00	0.00	10.26	20.30
6000	4.63	1.90	0.00	0.05	0.00	0.00	5.58	12.16	6.18	1.98	0.00	0.05	0.00	0.00	8.38	16.59
6005	2.99	1.23	0.00	0.05	0.00	0.00	3.61	7.88	3.99	1.28	0.00	0.05	0.00	0.00	5.41	10.73
6010	2.82	1.16	0.00	0.05	0.00	0.00	3.39	7.42	3.76	1.20	0.00	0.05	0.00	0.00	5.09	10.10

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
6020	2.94	1.59	3.08	0.74	0.25	0.04	4.06	12.70								
6025	3.03	1.64	3.20	0.77	0.25	0.04	4.19	13.12								
6030	3.71	2.00	3.20	0.77	0.32	0.05	5.12	15.17								
6035	5.96	3.25	4.70	1.13	0.66	0.10	8.25	24.05								
6045	2.27	1.24	2.86	0.69	0.25	0.04	3.14	10.49								
6050	2.46	1.34	2.86	0.69	0.25	0.04	3.40	11.04								
6055	2.52	1.37	2.93	0.70	0.25	0.04	3.49	11.30								
6060	2.40	1.32	8.69	2.08	0.32	0.05	3.33	18.19								
6065	2.68	1.47	2.86	0.69	0.32	0.05	3.71	11.78								
6070	2.49	1.38	8.69	2.08	0.37	0.06	3.45	18.52								
6075	2.77	1.53	2.86	0.69	0.37	0.06	3.84	12.12								
6080	6.08	3.34	4.40	1.06	0.77	0.12	8.43	24.20								
6090	2.53	1.37	2.56	0.61	0.25	0.04	3.49	10.85								
6095	3.18	1.71	2.56	0.61	0.22	0.03	4.39	12.70								
6100	6.39	3.49	4.89	1.17	0.68	0.10	8.84	25.56								
6105	7.30	4.24	4.89	1.17	1.98	0.30	10.26	30.14								
6115	3.12	2.35	0.00	0.05	1.88	0.28	4.72	12.40								
6120	4.46	2.73	0.00	0.05	1.47	0.22	6.36	15.29								
6130	3.85	2.92	0.00	0.10	2.37	0.36	5.84	15.44								
6135	3.64	2.59	0.00	0.10	1.79	0.27	5.41	13.80								
6140	6.04	4.06	0.00	0.10	2.37	0.36	8.83	21.76								
6150	0.53	0.36	0.00	0.05	0.30	0.04	0.77	2.05								
6160	0.96	0.50	0.00	0.12	0.00	0.00	1.31	2.89								
6165	1.22	0.64	0.00	0.12	0.00	0.00	1.68	3.66								
6170	1.27	0.66	0.00	0.12	0.00	0.00	1.74	3.79								
6175	1.90	0.99	0.00	0.12	0.00	0.00	2.60	5.61								
6180	2.90	1.51	0.00	0.12	0.00	0.00	3.97	8.50								
6185	4.28	2.23	0.00	0.12	0.00	0.00	5.85	12.48								
6190	2.86	1.49	0.00	0.13	0.00	0.00	3.91	8.39								
6195	3.30	1.72	0.00	0.12	0.00	0.00	4.52	9.66								
6200	5.03	2.63	0.00	0.12	0.00	0.00	6.89	14.67								
6210	0.43	0.22	0.00	0.13	0.00	0.00	0.58	1.36								
6215	0.86	0.45	0.00	0.13	0.00	0.00	1.18	2.62								
6225	11.69	6.10	7.90	1.90	0.00	0.00	16.00	43.59								
6230	17.61	9.19	11.66	2.80	0.00	0.00	24.10	65.36								
6235	18.54	9.67	11.66	2.80	0.00	0.00	25.38	68.05								
6245	19.29	10.07	12.41	2.98	0.00	0.00	26.41	71.16								
6255	1.89	0.99	1.47	0.35	0.00	0.00	2.59	7.29								
6260	2.30	1.20	1.47	0.35	0.00	0.00	3.14	8.46								
6265	3.16	1.65	3.20	0.77	0.00	0.00	4.32	13.10								
6270	3.42	1.78	3.20	0.77	0.00	0.00	4.68	13.85								
6275	3.68	1.92	3.20	0.77	0.00	0.00	5.04	14.61								
6280	4.05	2.11	3.20	0.77	0.00	0.00	5.54	15.67								
6290	4.09	2.14	8.69	2.08	0.00	0.00	5.60	22.60								
6295	4.37	2.28	3.20	0.77	0.00	0.00	5.99	16.61								
6300	4.35	2.27	8.69	2.08	0.00	0.00	5.96	23.35								
6305	4.63	2.42	3.20	0.77	0.00	0.00	6.34	17.36								
6310	1.92	1.00	4.38	1.05	0.00	0.00	2.63	10.98								
6315	2.74	1.43	8.69	2.08	0.00	0.00	3.75	18.69								
6320	3.02	1.57	2.86	0.69	0.00	0.00	4.13	12.27								
6325	3.32	1.73	8.69	2.08	0.00	0.00	4.55	20.37								
6330	3.61	1.88	2.86	0.69	0.00	0.00	4.94	13.98								
6335	3.63	1.89	8.69	2.08	0.00	0.00	4.96	21.25								
6340	3.91	2.04	2.86	0.69	0.00	0.00	5.35	14.85								
6350	1.23	0.53	2.01	0.48	0.00	0.00	2.10	6.35								

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
6355	1.50	0.64	2.01	0.48	0.00	0.00	2.57	7.20								
6360	3.11	1.33	2.26	0.54	0.00	0.00	5.32	12.56								
6365	3.37	1.44	2.26	0.54	0.00	0.00	5.77	13.38								
6370	4.82	2.06	4.98	1.20	0.00	0.00	8.25	21.31								
6375	5.04	2.15	4.98	1.20	0.00	0.00	8.62	21.99								
6385	3.33	1.43	2.57	0.62	0.00	0.00	5.71	13.66								
6390	3.63	1.55	2.57	0.62	0.00	0.00	6.22	14.59								
6395	5.87	2.51	4.04	0.97	0.00	0.00	10.05	23.44								
6400	6.36	2.72	4.04	0.97	0.00	0.00	10.89	24.98								
6410	2.99	1.28	1.89	0.45	0.00	0.00	5.12	11.73								
6415	3.57	1.53	2.05	0.49	0.00	0.00	6.11	13.75								
6425	1.78	0.76	1.57	0.38	0.00	0.00	3.04	7.53								
6430	1.62	0.69	1.57	0.38	0.00	0.00	2.76	7.02								
6440	7.18	3.07	3.94	0.94	0.00	0.00	12.29	27.42								
6445	5.49	2.35	2.62	0.63	0.00	0.00	9.40	20.49								
6455	2.23	0.95	1.89	0.45	0.00	0.00	3.81	9.33								
6460	4.44	1.90	3.15	0.76	0.00	0.00	7.60	17.85								
6465	6.03	2.58	4.72	1.13	0.00	0.00	10.32	24.78								
6475	5.35	2.32	3.83	0.92	0.15	0.02	9.19	21.78								
6480	5.77	2.59	3.83	0.92	0.62	0.09	9.99	23.81								
6485	6.74	2.91	3.83	0.92	0.13	0.02	11.56	26.11								
6490	7.98	3.49	6.56	1.57	0.40	0.06	13.73	33.79								
6495	6.31	2.79	6.56	1.57	0.46	0.07	10.88	28.64								
6500	6.70	2.95	6.56	1.57	0.46	0.07	11.55	29.86								
6505	7.65	3.36	6.56	1.57	0.46	0.07	13.18	32.85								
6510	7.06	3.11	6.56	1.57	0.46	0.07	12.17	31.00								
6515	8.76	3.84	6.56	1.57	0.46	0.07	15.08	36.34								
6525	7.70	3.29	6.56	1.57	0.00	0.00	13.17	32.29								
6530	6.63	2.91	4.46	1.07	0.40	0.06	11.43	26.96								
6535	6.97	3.07	6.30	1.51	0.46	0.07	12.01	30.39								
6540	7.86	3.45	6.30	1.51	0.46	0.07	13.54	33.19								
6550	7.90	3.47	6.03	1.45	0.46	0.07	13.61	32.99								
6555	12.35	5.43	11.02	2.64	0.75	0.11	21.27	53.57								
6565	5.23	2.25	3.67	0.88	0.08	0.01	8.97	21.09								
6570	5.23	2.27	3.67	0.88	0.16	0.02	8.97	21.20								
6575	6.86	2.96	4.20	1.01	0.13	0.02	11.77	26.95								
6580	5.97	2.59	4.20	1.01	0.16	0.02	10.25	24.20								
6585	5.39	2.43	3.67	0.88	0.62	0.09	9.34	22.42								
6590	6.65	2.94	4.62	1.11	0.46	0.07	11.47	27.32								
6595	7.67	3.36	4.62	1.11	0.40	0.06	13.20	30.42								
6600	7.26	3.19	4.62	1.11	0.46	0.07	12.50	29.21								
6605	8.55	3.74	6.24	1.50	0.42	0.06	14.71	35.22								
6610	7.23	3.18	6.56	1.57	0.46	0.07	12.46	31.53								
6615	9.49	4.13	6.24	1.50	0.37	0.06	16.32	38.11								
6620	8.23	3.59	6.24	1.50	0.37	0.06	14.16	34.15								
6625	7.73	3.44	6.56	1.57	0.70	0.11	13.35	33.46								
6635	5.05	2.28	3.57	0.86	0.62	0.09	8.76	21.23								
6640	4.61	2.00	3.57	0.86	0.15	0.02	7.92	19.13								
6645	5.60	2.43	4.20	1.01	0.15	0.02	9.62	23.03								
6650	5.96	2.67	3.94	0.94	0.62	0.09	10.31	24.53								
6655	6.17	2.67	4.20	1.01	0.15	0.02	10.58	24.80								
6660	7.96	3.49	5.77	1.39	0.46	0.07	13.71	32.85								
6665	6.61	2.92	5.61	1.35	0.46	0.07	11.39	28.41								
6670	7.15	3.15	5.61	1.35	0.46	0.07	12.33	30.12								
6675	9.13	3.99	5.77	1.39	0.46	0.07	15.70	36.51								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
6685	0.96	0.41	0.84	0.20	0.00	0.00	1.65	4.06								
6690	2.79	1.19	1.78	0.43	0.00	0.00	4.77	10.96								
6695	6.27	2.68	3.73	0.89	0.00	0.00	10.73	24.30								
6700	8.06	3.45	6.56	1.57	0.00	0.00	13.80	33.44								
6705	10.13	4.33	8.13	1.95	0.00	0.00	17.34	41.88								
6710	11.64	4.98	9.50	2.28	0.00	0.00	19.92	48.32								
6715	13.19	5.64	11.81	2.83	0.00	0.00	22.58	56.05								
6725	0.97	0.41	0.84	0.20	0.00	0.00	1.66	4.08								
6730	2.34	1.00	1.84	0.44	0.00	0.00	4.01	9.63								
6735	6.13	2.62	3.67	0.88	0.00	0.00	10.50	23.80								
6740	8.15	3.48	6.03	1.45	0.00	0.00	13.94	33.05								
6745	9.77	4.18	6.24	1.50	0.00	0.00	16.72	38.41								
6755	0.97	0.41	0.73	0.18	0.00	0.00	1.66	3.95								
6760	4.90	2.09	2.73	0.65	0.00	0.00	8.39	18.76								
6765	7.44	3.18	4.20	1.01	0.00	0.00	12.74	28.57								
6770	10.01	4.28	8.19	1.96	0.00	0.00	17.13	41.57								
6775	14.92	6.37	13.75	3.30	0.00	0.00	25.52	63.86								
6785	8.98	4.81	5.79	1.97	2.72	0.41	9.96	34.64	11.23	4.93	7.57	2.57	4.52	0.68	13.28	44.78
6790	19.02	9.42	11.43	3.09	7.14	1.07	15.81	66.98	23.78	9.68	15.03	4.06	11.86	1.78	21.41	87.60
6795	19.80	10.75	12.74	3.06	7.14	1.07	19.08	73.64	24.75	11.02	16.66	4.00	11.86	1.78	25.69	95.76
6800	22.58	10.93	16.48	4.12	8.61	1.29	20.25	84.26	28.23	11.23	21.38	5.35	14.95	2.24	27.26	110.64
6805	24.08	11.61	16.48	4.12	8.61	1.29	21.58	87.77	30.10	11.93	21.38	5.35	14.95	2.24	29.05	115.00
6810	29.35	14.36	15.59	4.21	9.65	1.45	24.34	98.95	36.69	14.76	20.49	5.53	16.04	2.41	32.97	128.89
6815	31.54	15.90	17.37	4.17	9.65	1.45	30.31	111.39	39.42	17.32	22.72	5.45	16.04	2.41	40.80	144.16
6820	36.61	17.62	25.64	6.41	12.81	1.92	32.80	133.81	45.76	18.10	33.26	8.32	22.24	3.34	44.15	175.17
6825	38.30	18.38	25.64	6.41	12.81	1.92	34.30	137.76	47.87	18.88	33.26	8.32	22.24	3.34	46.17	180.08
6830	41.72	20.24	25.64	6.41	16.36	2.45	37.43	150.25	52.15	20.80	33.26	8.32	28.42	4.26	50.38	197.59
6835	37.53	18.45	19.06	5.15	13.10	1.96	31.15	126.40	46.91	18.96	25.05	6.76	21.75	3.26	42.18	164.87
6840	47.06	22.73	34.80	8.70	17.37	2.61	42.19	175.46	58.82	23.36	45.14	11.29	30.17	4.53	56.79	230.10
6855	12.55	6.77	8.84	2.12	4.18	0.63	12.08	47.17	15.68	6.94	11.56	2.77	6.95	1.04	16.26	61.20
6860	18.03	8.83	11.26	3.04	6.02	0.90	14.96	63.04	22.54	9.08	14.80	4.00	10.01	1.50	20.26	82.19
6865	18.34	10.28	12.55	3.01	8.95	1.34	17.80	72.27	22.92	10.53	16.41	3.94	14.86	2.23	23.96	94.85
6870	21.60	10.49	18.17	4.54	8.61	1.29	19.39	84.09	27.01	10.78	23.57	5.89	14.95	2.24	26.10	110.54
6875	26.12	12.47	18.17	4.54	8.06	1.21	23.37	93.94	32.65	12.82	23.57	5.89	14.00	2.10	31.46	122.49
6885	9.17	4.85	4.83	1.64	2.37	0.35	10.14	33.35	11.46	4.98	6.31	2.15	3.93	0.59	13.52	42.94
6890	19.06	9.35	11.30	3.05	6.49	0.97	15.81	66.03	23.82	9.61	14.85	4.01	10.78	1.62	21.41	86.10
6895	22.57	10.93	18.72	4.68	8.61	1.29	20.25	87.05	28.22	11.23	24.28	6.07	14.95	2.24	27.26	114.25
6900	20.07	10.80	12.59	3.02	6.49	0.97	19.30	73.24	25.09	11.07	16.46	3.95	10.78	1.62	25.99	94.96
6910	9.74	5.14	6.76	2.30	2.37	0.35	10.77	37.43	12.18	5.27	8.84	3.00	3.93	0.59	14.36	48.17
6915	12.93	6.96	9.65	2.32	4.18	0.63	12.44	49.11	16.17	7.14	12.62	3.03	6.95	1.04	16.75	63.70
6925	19.21	10.38	11.97	2.87	6.49	0.97	18.50	70.39	24.02	10.64	15.65	3.76	10.78	1.62	24.90	91.37
6930	31.37	15.44	16.46	4.44	11.12	1.67	26.04	106.54	39.21	15.87	21.63	5.84	18.48	2.77	35.27	139.07
6935	20.60	9.94	10.55	2.64	7.51	1.13	18.47	70.84	25.75	10.22	13.69	3.42	13.04	1.96	24.86	92.94
6940	27.21	13.07	19.05	4.76	9.27	1.39	24.38	99.13	34.02	13.43	24.71	6.18	16.11	2.42	32.82	129.69
6945	35.97	17.30	22.67	5.67	12.44	1.87	32.23	128.15	44.97	17.78	29.41	7.35	21.61	3.24	43.38	167.74
6950	41.01	19.77	26.26	6.57	14.76	2.21	36.75	147.33	51.26	20.32	34.07	8.52	25.63	3.84	49.48	193.12
6965	4.80	2.82	0.00	0.13	1.49	0.22	4.66	14.12	5.76	2.88	0.00	0.13	1.94	0.29	6.00	17.00
6970	6.05	3.71	0.00	0.13	2.67	0.40	5.91	18.87	7.26	3.78	0.00	0.13	3.49	0.52	7.60	22.78
6980	2.37	1.45	0.00	0.08	0.97	0.15	2.32	7.34	2.85	1.47	0.00	0.08	1.27	0.19	2.98	8.84
6990	7.32	3.71	5.87	1.41	0.77	0.12	8.02	27.22	9.15	3.80	7.67	1.84	1.32	0.20	11.36	35.34
6995	11.36	5.80	11.74	2.82	1.57	0.24	12.47	46.00	14.20	5.94	15.35	3.68	2.68	0.40	17.66	59.91
7005	10.49	5.25	12.28	2.95	0.43	0.07	11.46	42.93	13.11	5.38	16.06	3.85	0.71	0.11	16.23	55.45
7015	2.86	1.58	2.64	0.84	0.00	0.00	5.08	13.00	3.57	1.62	3.47	1.11	0.00	0.00	6.93	16.70
7020	0.62	0.31	0.00	0.08	0.00	0.00	0.74	1.75	0.77	0.32	0.00	0.08	0.00	0.00	1.04	2.21
7025	3.91	2.17	3.25	1.04	0.00	0.00	6.95	17.32	4.88	2.21	4.28	1.37	0.00	0.00	9.47	22.21

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
7030	0.74	0.37	0.00	0.08	0.00	0.00	0.89	2.08	0.93	0.38	0.00	0.08	0.00	0.00	1.26	2.65
7035	0.58	0.29	0.00	0.08	0.00	0.00	0.70	1.65	0.73	0.30	0.00	0.08	0.00	0.00	0.98	2.09
7040	5.85	3.25	4.26	1.36	0.00	0.00	10.41	25.13	7.32	3.32	5.61	1.80	0.00	0.00	14.20	32.25
7045	0.99	0.50	0.00	0.08	0.00	0.00	1.20	2.77	1.24	0.51	0.00	0.08	0.00	0.00	1.68	3.51
7050	0.76	0.38	0.00	0.08	0.00	0.00	0.92	2.14	0.96	0.39	0.00	0.08	0.00	0.00	1.30	2.73
7055	7.88	4.37	5.68	1.82	0.00	0.00	14.03	33.78	9.86	4.47	7.48	2.40	0.00	0.00	19.13	43.34
7060	1.01	0.50	0.00	0.08	0.00	0.00	1.21	2.80	1.26	0.52	0.00	0.08	0.00	0.00	1.71	3.57
7065	1.14	0.57	0.00	0.08	0.00	0.00	1.37	3.16	1.42	0.58	0.00	0.08	0.00	0.00	1.93	4.01
7070	11.44	6.35	8.12	2.60	0.00	0.00	20.35	48.86	14.30	6.49	10.69	3.42	0.00	0.00	27.75	62.65
7075	1.62	0.81	0.00	0.08	0.00	0.00	1.95	4.46	2.02	0.83	0.00	0.08	0.00	0.00	2.74	5.67
7080	1.77	0.89	0.00	0.08	0.00	0.00	2.14	4.88	2.22	0.91	0.00	0.08	0.00	0.00	3.01	6.22
7085	1.41	0.71	0.00	0.08	0.00	0.00	1.70	3.90	1.77	0.72	0.00	0.08	0.00	0.00	2.39	4.96
7090	19.16	9.58	13.60	3.40	0.00	0.00	25.97	71.71	23.94	9.82	17.91	4.48	0.00	0.00	36.07	92.22
7095	2.37	1.18	0.00	0.08	0.00	0.00	2.85	6.48	2.96	1.21	0.00	0.08	0.00	0.00	4.01	8.26
7100	2.61	1.31	0.00	0.08	0.00	0.00	3.15	7.15	3.26	1.34	0.00	0.08	0.00	0.00	4.43	9.11
7105	2.39	1.19	0.00	0.08	0.00	0.00	2.87	6.53	2.98	1.22	0.00	0.08	0.00	0.00	4.04	8.32
7110	0.07	0.04	0.00	0.05	0.00	0.00	0.09	0.25	0.09	0.04	0.00	0.05	0.00	0.00	0.12	0.30
7115	22.77	12.14	18.67	4.11	0.00	0.00	28.89	86.58	27.32	12.37	24.59	5.41	0.00	0.00	38.52	108.21
7120	3.29	1.64	0.00	0.08	0.00	0.00	3.96	8.97	4.11	1.69	0.00	0.08	0.00	0.00	5.57	11.45
7125	3.48	1.74	0.00	0.08	0.00	0.00	4.19	9.49	4.34	1.78	0.00	0.08	0.00	0.00	5.89	12.09
7130	2.90	1.45	0.00	0.08	0.00	0.00	3.49	7.92	3.62	1.48	0.00	0.08	0.00	0.00	4.91	10.09
7135	0.85	0.43	0.00	0.12	0.00	0.00	1.03	2.43	1.06	0.44	0.00	0.12	0.00	0.00	1.44	3.06
7140	0.10	0.05	0.00	0.08	0.00	0.00	0.12	0.35	0.12	0.05	0.00	0.08	0.00	0.00	0.16	0.41
7145	38.15	20.35	28.41	6.25	0.00	0.00	48.41	141.57	45.78	20.72	37.42	8.23	0.00	0.00	64.55	176.70
7150	4.96	2.48	0.00	0.08	0.00	0.00	5.97	13.49	6.20	2.54	0.00	0.08	0.00	0.00	8.40	17.22
7155	5.44	2.72	0.00	0.08	0.00	0.00	6.55	14.79	6.79	2.79	0.00	0.08	0.00	0.00	9.21	18.87
7160	0.11	0.05	0.00	0.08	0.00	0.00	0.13	0.37	0.14	0.06	0.00	0.08	0.00	0.00	0.18	0.46
7165	3.69	1.85	0.00	0.08	0.00	0.00	4.45	10.07	4.62	1.89	0.00	0.08	0.00	0.00	6.26	12.85
7175	4.39	2.43	3.57	1.14	0.00	0.00	7.80	19.33	5.48	2.49	4.70	1.51	0.00	0.00	10.64	24.82
7180	0.72	0.36	0.00	0.08	0.00	0.00	0.86	2.02	0.90	0.37	0.00	0.08	0.00	0.00	1.21	2.56
7185	0.72	0.36	0.00	0.05	0.00	0.00	0.86	1.99	0.89	0.37	0.00	0.05	0.00	0.00	1.21	2.52
7190	6.02	3.34	4.95	1.58	0.00	0.00	10.70	26.59	7.52	3.41	6.52	2.09	0.00	0.00	14.60	34.14
7195	0.80	0.40	0.00	0.08	0.00	0.00	0.96	2.24	1.00	0.41	0.00	0.08	0.00	0.00	1.35	2.84
7200	0.97	0.49	0.00	0.05	0.00	0.00	1.17	2.68	1.22	0.50	0.00	0.05	0.00	0.00	1.65	3.42
7205	7.77	4.31	6.09	1.95	0.00	0.00	13.82	33.94	9.71	4.40	8.02	2.57	0.00	0.00	18.84	43.54
7210	1.22	0.61	0.00	0.08	0.00	0.00	1.47	3.38	1.53	0.63	0.00	0.08	0.00	0.00	2.07	4.31
7215	1.22	0.61	0.00	0.05	0.00	0.00	1.47	3.35	1.52	0.62	0.00	0.05	0.00	0.00	2.07	4.26
7220	11.66	6.47	9.05	2.90	0.00	0.00	20.74	50.82	14.57	6.61	11.92	3.81	0.00	0.00	28.28	65.19
7225	1.31	0.65	0.00	0.08	0.00	0.00	1.58	3.62	1.64	0.67	0.00	0.08	0.00	0.00	2.22	4.61
7230	1.37	0.69	0.00	0.08	0.00	0.00	1.65	3.79	1.71	0.70	0.00	0.08	0.00	0.00	2.32	4.81
7235	1.85	0.93	0.00	0.05	0.00	0.00	2.23	5.06	2.32	0.95	0.00	0.05	0.00	0.00	3.14	6.46
7240	19.83	9.92	12.18	3.04	0.00	0.00	26.89	71.86	24.79	10.17	16.04	4.01	0.00	0.00	37.35	92.36
7245	2.59	1.30	0.00	0.05	0.00	0.00	3.13	7.07	3.24	1.33	0.00	0.05	0.00	0.00	4.40	9.02
7250	2.62	1.31	0.00	0.05	0.00	0.00	3.16	7.14	3.28	1.34	0.00	0.05	0.00	0.00	4.44	9.11
7255	23.33	11.67	17.25	4.31	0.00	0.00	31.62	88.18	29.16	11.96	22.72	5.68	0.00	0.00	43.92	113.44
7260	3.91	1.95	0.00	0.05	0.00	0.00	4.71	10.62	4.88	2.00	0.00	0.05	0.00	0.00	6.62	13.55
7265	4.01	2.01	0.00	0.05	0.00	0.00	4.84	10.91	5.02	2.06	0.00	0.05	0.00	0.00	6.80	13.93
7270	2.51	1.25	0.00	0.08	0.00	0.00	3.02	6.86	3.13	1.28	0.00	0.08	0.00	0.00	4.25	8.74
7275	25.28	13.48	18.47	4.06	0.00	0.00	32.08	93.37	30.34	13.73	24.32	5.35	0.00	0.00	42.77	116.51
7280	4.52	2.26	0.00	0.05	0.00	0.00	5.44	12.27	5.64	2.31	0.00	0.05	0.00	0.00	7.65	15.65
7285	5.13	2.57	0.00	0.05	0.00	0.00	6.18	13.93	6.41	2.63	0.00	0.05	0.00	0.00	8.69	17.78
7290	2.86	1.43	0.00	0.08	0.00	0.00	3.45	7.82	3.58	1.47	0.00	0.08	0.00	0.00	4.85	9.98
7300	3.58	1.98	2.64	0.84	0.00	0.00	6.36	15.40	4.47	2.03	3.47	1.11	0.00	0.00	8.68	19.76
7305	4.48	2.49	3.17	1.01	0.00	0.00	7.98	19.13	5.61	2.54	4.17	1.33	0.00	0.00	10.88	24.53
7310	6.53	3.62	4.46	1.43	0.00	0.00	11.62	27.66	8.17	3.71	5.88	1.88	0.00	0.00	15.85	35.49

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
7315	8.57	4.75	5.68	1.82	0.00	0.00	15.24	36.06	10.71	4.86	7.48	2.40	0.00	0.00	20.78	46.23
7320	1.00	0.50	0.00	0.05	0.00	0.00	1.20	2.75	1.25	0.51	0.00	0.05	0.00	0.00	1.69	3.50
7325	1.13	0.56	0.00	0.05	0.00	0.00	1.36	3.10	1.41	0.58	0.00	0.05	0.00	0.00	1.91	3.95
7330	13.02	7.22	8.52	2.73	0.00	0.00	23.16	54.65	16.28	7.38	11.23	3.59	0.00	0.00	31.59	70.07
7335	1.75	0.88	0.00	0.05	0.00	0.00	2.11	4.79	2.19	0.90	0.00	0.05	0.00	0.00	2.97	6.11
7340	1.21	0.60	0.00	0.05	0.00	0.00	1.45	3.31	1.51	0.62	0.00	0.05	0.00	0.00	2.04	4.22
7345	18.39	9.20	12.58	3.15	0.00	0.00	24.93	68.25	22.99	9.43	16.57	4.14	0.00	0.00	34.63	87.76
7350	2.19	1.09	0.00	0.05	0.00	0.00	2.63	5.96	2.73	1.12	0.00	0.05	0.00	0.00	3.70	7.60
7355	1.82	0.91	0.00	0.05	0.00	0.00	2.19	4.97	2.28	0.93	0.00	0.05	0.00	0.00	3.08	6.34
7360	0.75	0.38	0.00	0.08	0.00	0.00	0.91	2.12	0.94	0.39	0.00	0.08	0.00	0.00	1.27	2.68
7365	0.44	0.22	0.00	0.13	0.00	0.00	0.53	1.32	0.55	0.23	0.00	0.13	0.00	0.00	0.75	1.66
7370	0.07	0.04	0.00	0.08	0.00	0.00	0.09	0.28	0.09	0.04	0.00	0.08	0.00	0.00	0.13	0.34
7380	2.42	1.34	1.70	0.55	0.00	0.00	4.31	10.32	3.03	1.37	2.25	0.72	0.00	0.00	5.88	13.25
7385	3.51	1.95	2.64	0.84	0.00	0.00	6.25	15.19	4.39	1.99	3.47	1.11	0.00	0.00	8.52	19.48
7390	4.20	2.33	2.92	0.94	0.00	0.00	7.47	17.86	5.25	2.38	3.85	1.23	0.00	0.00	10.18	22.89
7400	2.94	1.63	2.56	0.82	0.00	0.00	5.23	13.18	3.68	1.67	3.37	1.08	0.00	0.00	7.14	16.94
7405	0.51	0.26	0.00	0.05	0.00	0.00	0.62	1.44	0.64	0.26	0.00	0.05	0.00	0.00	0.87	1.82
7410	4.42	2.45	3.65	1.17	0.00	0.00	7.87	19.56	5.53	2.51	4.81	1.54	0.00	0.00	10.73	25.12
7415	0.37	0.19	0.00	0.05	0.00	0.00	0.45	1.06	0.47	0.19	0.00	0.05	0.00	0.00	0.63	1.34
7420	6.41	3.56	4.79	1.53	0.00	0.00	11.41	27.70	8.02	3.64	6.31	2.02	0.00	0.00	15.55	35.54
7425	0.62	0.31	0.00	0.05	0.00	0.00	0.75	1.73	0.78	0.32	0.00	0.05	0.00	0.00	1.05	2.20
7430	9.03	5.01	6.29	2.01	0.00	0.00	16.07	38.41	11.29	5.12	8.29	2.65	0.00	0.00	21.91	49.26
7435	0.82	0.41	0.00	0.05	0.00	0.00	0.98	2.26	1.02	0.42	0.00	0.05	0.00	0.00	1.38	2.87
7440	11.38	6.31	8.93	2.86	0.00	0.00	20.24	49.72	14.22	6.45	11.76	3.76	0.00	0.00	27.60	63.79
7445	1.28	0.64	0.00	0.05	0.00	0.00	1.54	3.51	1.60	0.66	0.00	0.05	0.00	0.00	2.17	4.48
7450	1.37	0.68	0.00	0.05	0.00	0.00	1.65	3.75	1.71	0.70	0.00	0.05	0.00	0.00	2.31	4.77
7455	17.49	8.75	12.99	3.25	0.00	0.00	23.70	66.18	21.86	8.96	17.11	4.28	0.00	0.00	32.92	85.13
7460	1.76	0.88	0.00	0.05	0.00	0.00	2.12	4.81	2.20	0.90	0.00	0.05	0.00	0.00	2.99	6.14
7465	1.86	0.93	0.00	0.05	0.00	0.00	2.24	5.08	2.32	0.95	0.00	0.05	0.00	0.00	3.15	6.47
7470	23.40	11.70	16.64	4.16	0.00	0.00	31.72	87.62	29.25	11.99	21.92	5.48	0.00	0.00	44.06	112.70
7475	2.40	1.20	0.00	0.05	0.00	0.00	2.89	6.54	3.00	1.23	0.00	0.05	0.00	0.00	4.06	8.34
7480	2.19	1.09	0.00	0.05	0.00	0.00	2.64	5.97	2.74	1.12	0.00	0.05	0.00	0.00	3.71	7.62
7485	36.84	19.64	25.17	5.54	0.00	0.00	46.74	133.93	44.21	20.01	33.15	7.29	0.00	0.00	62.32	166.98
7490	5.60	2.80	0.00	0.05	0.00	0.00	6.74	15.19	6.99	2.87	0.00	0.05	0.00	0.00	9.48	19.39
7495	5.26	2.63	0.00	0.05	0.00	0.00	6.33	14.27	6.57	2.69	0.00	0.05	0.00	0.00	8.91	18.22
7500	4.92	2.46	0.00	0.05	0.00	0.00	5.92	13.35	6.15	2.52	0.00	0.05	0.00	0.00	8.33	17.05
7510	13.09	7.26	8.32	2.66	0.00	0.00	23.29	54.62	16.37	7.43	10.96	3.51	0.00	0.00	31.76	70.03
7515	1.26	0.63	0.00	0.05	0.00	0.00	1.52	3.46	1.57	0.64	0.00	0.05	0.00	0.00	2.13	4.39
7520	1.41	0.71	0.00	0.05	0.00	0.00	1.70	3.87	1.76	0.72	0.00	0.05	0.00	0.00	2.39	4.92
7525	1.44	0.72	0.00	0.05	0.00	0.00	1.74	3.95	1.80	0.74	0.00	0.05	0.00	0.00	2.44	5.03
7530	16.66	8.33	10.55	2.64	0.00	0.00	22.58	60.76	20.82	8.54	13.90	3.47	0.00	0.00	31.36	78.09
7535	1.78	0.89	0.00	0.05	0.00	0.00	2.15	4.87	2.23	0.91	0.00	0.05	0.00	0.00	3.02	6.21
7540	2.34	1.17	0.00	0.05	0.00	0.00	2.82	6.38	2.92	1.20	0.00	0.05	0.00	0.00	3.96	8.13
7545	2.03	1.01	0.00	0.05	0.00	0.00	2.44	5.53	2.54	1.04	0.00	0.05	0.00	0.00	3.44	7.07
7550	0.59	0.29	0.00	0.12	0.00	0.00	0.71	1.71	0.73	0.30	0.00	0.12	0.00	0.00	1.00	2.15
7555	23.37	11.69	15.02	3.75	0.00	0.00	31.68	85.51	29.21	11.98	19.78	4.95	0.00	0.00	44.00	109.92
7560	2.33	1.17	0.00	0.05	0.00	0.00	2.81	6.36	2.91	1.19	0.00	0.05	0.00	0.00	3.95	8.10
7565	2.55	1.28	0.00	0.05	0.00	0.00	3.08	6.96	3.19	1.31	0.00	0.05	0.00	0.00	4.33	8.88
7570	2.30	1.15	0.00	0.05	0.00	0.00	2.77	6.27	2.87	1.18	0.00	0.05	0.00	0.00	3.89	7.99
7575	0.10	0.05	0.00	0.05	0.00	0.00	0.11	0.31	0.12	0.05	0.00	0.05	0.00	0.00	0.16	0.38
7580	0.54	0.27	0.00	0.11	0.00	0.00	0.65	1.57	0.67	0.27	0.00	0.11	0.00	0.00	0.91	1.96
7590	12.18	6.28	7.90	2.21	2.41	0.36	10.35	41.69	15.22	6.44	10.39	2.91	5.05	0.76	14.02	54.79
7595	17.38	9.25	11.29	3.16	5.62	0.84	14.88	62.42	21.73	9.49	14.85	4.16	11.77	1.76	20.15	83.91
7605	18.98	10.07	11.36	3.18	5.88	0.88	16.23	66.58	23.72	10.33	14.95	4.19	12.32	1.85	21.98	89.34
7610	31.22	17.10	21.52	6.03	9.74	1.46	26.89	113.96	39.02	17.53	28.31	7.93	20.40	3.06	36.41	152.66

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	1.05	0.55	1.62	0.45	0.22	0.03	0.89	4.81	1.31	0.56	2.13	0.60	0.46	0.07	1.21	6.34
7625	1.19	0.62	1.88	0.53	0.22	0.03	1.01	5.48	1.49	0.63	2.47	0.69	0.46	0.07	1.37	7.18
7630	1.33	0.70	2.33	0.65	0.27	0.04	1.14	6.46	1.67	0.71	3.07	0.86	0.54	0.08	1.54	8.47
7640	0.26	0.14	0.73	0.23	0.03	0.01	0.37	1.77	0.32	0.14	0.95	0.30	0.05	0.01	0.52	2.29
7645	1.18	0.62	1.46	0.47	0.06	0.01	1.72	5.52	1.48	0.63	1.90	0.61	0.09	0.01	2.39	7.11
7650	1.36	0.71	2.27	0.73	0.06	0.01	1.97	7.11	1.70	0.72	2.96	0.95	0.09	0.01	2.73	9.16
7655	2.97	1.56	2.41	0.67	0.19	0.03	4.32	12.15	3.72	1.60	3.17	0.89	0.27	0.04	5.99	15.68
7660	6.44	3.35	3.80	1.06	0.32	0.05	9.33	24.35	8.04	3.44	5.00	1.40	0.45	0.07	12.96	31.36
7670	10.72	5.47	3.76	1.05	0.00	0.00	15.46	36.46	13.40	5.60	4.95	1.39	0.00	0.00	21.48	46.82
7675	15.49	7.90	6.58	1.84	0.00	0.00	22.34	54.15	19.36	8.10	8.66	2.43	0.00	0.00	31.03	69.58
7685	11.41	5.82	3.16	0.88	0.00	0.00	16.46	37.73	14.26	5.96	4.16	1.16	0.00	0.00	22.86	48.40
7690	19.95	10.18	6.58	1.84	0.00	0.00	28.78	67.33	24.93	10.43	8.66	2.43	0.00	0.00	39.97	86.42
7705	0.89	0.32	2.90	0.93	0.12	0.02	0.98	6.16	1.07	0.33	3.86	1.24	0.15	0.02	1.34	8.01
7710	1.11	0.40	2.90	0.93	0.14	0.02	1.22	6.72	1.34	0.41	3.86	1.24	0.18	0.03	1.67	8.73
7715	0.93	0.35	2.90	0.93	0.18	0.03	1.03	6.35	1.12	0.36	3.86	1.24	0.22	0.03	1.41	8.24
7720	1.14	0.42	2.90	0.93	0.21	0.03	1.25	6.88	1.36	0.43	3.86	1.24	0.28	0.04	1.71	8.92
7725	1.04	0.39	2.90	0.93	0.29	0.04	1.15	6.74	1.25	0.40	3.86	1.24	0.36	0.05	1.58	8.74
7730	1.41	0.68	6.63	2.12	0.38	0.06	1.34	12.62	1.88	0.71	8.52	2.73	0.48	0.07	2.08	16.47
7735	1.97	0.93	3.69	1.03	0.38	0.06	1.86	9.92	2.62	0.97	4.80	1.34	0.48	0.07	2.89	13.17
7740	1.64	0.79	7.62	2.44	0.38	0.06	1.55	14.48	2.19	0.82	9.80	3.14	0.48	0.07	2.41	18.91
7745	2.24	1.05	3.69	1.03	0.38	0.06	2.11	10.56	2.98	1.09	4.80	1.34	0.48	0.07	3.28	14.04
7750	1.83	0.88	7.62	2.44	0.46	0.07	1.74	15.04	2.44	0.92	9.80	3.14	0.58	0.09	2.70	19.67
7755	2.26	1.12	3.69	1.03	0.79	0.12	2.16	11.17	3.02	1.16	4.80	1.34	1.01	0.15	3.37	14.85
7760	2.77	1.35	14.26	4.56	0.80	0.12	2.64	26.50	3.70	1.40	18.38	5.88	1.04	0.16	4.10	34.66
7765	3.84	1.85	5.98	1.68	0.96	0.14	3.64	18.09	5.11	1.92	7.78	2.18	1.24	0.19	5.66	24.08
7770	4.02	1.93	5.98	1.68	0.98	0.15	3.81	18.55	5.36	2.00	7.78	2.18	1.27	0.19	5.92	24.70
7775	3.78	1.83	5.98	1.68	0.98	0.15	3.59	17.99	5.04	1.89	7.78	2.18	1.27	0.19	5.58	23.93
7780	4.46	2.13	5.98	1.68	0.98	0.15	4.22	19.60	5.94	2.21	7.78	2.18	1.27	0.19	6.56	26.13
7785	5.86	2.80	8.17	2.29	1.30	0.20	5.54	26.16	7.81	2.90	10.63	2.98	1.68	0.25	8.62	34.87
7790	6.20	2.97	8.17	2.29	1.40	0.21	5.87	27.11	8.27	3.08	10.63	2.98	1.80	0.27	9.13	36.16
7795	5.86	2.82	8.17	2.29	1.40	0.21	5.55	26.30	7.82	2.92	10.63	2.98	1.80	0.27	8.64	35.06
7800	5.83	2.76	9.78	2.74	1.17	0.18	5.50	27.96	7.77	2.87	12.72	3.56	1.52	0.23	8.56	37.23
7810	1.03	0.37	3.04	0.97	0.15	0.02	1.13	6.71	1.23	0.39	4.06	1.30	0.18	0.03	1.55	8.74
7815	1.32	0.48	2.95	0.94	0.15	0.02	1.45	7.31	1.59	0.49	3.94	1.26	0.18	0.03	1.98	9.47
7820	1.45	0.52	3.04	0.97	0.16	0.02	1.58	7.74	1.73	0.53	4.06	1.30	0.21	0.03	2.17	10.03
7825	1.35	0.49	3.04	0.97	0.16	0.02	1.48	7.51	1.62	0.50	4.06	1.30	0.20	0.03	2.03	9.74
7830	1.39	0.50	3.04	0.97	0.18	0.03	1.52	7.63	1.66	0.51	4.06	1.30	0.24	0.04	2.08	9.89
7835	1.30	0.48	2.95	0.94	0.29	0.04	1.43	7.43	1.56	0.50	3.94	1.26	0.36	0.05	1.97	9.64
7840	1.27	0.62	6.93	2.22	0.38	0.06	1.21	12.69	1.70	0.65	8.91	2.85	0.48	0.07	1.89	16.55
7845	1.40	0.68	6.93	2.22	0.38	0.06	1.33	13.00	1.87	0.70	8.91	2.85	0.48	0.07	2.07	16.95
7850	1.85	0.88	3.76	1.05	0.38	0.06	1.74	9.72	2.46	0.91	4.89	1.37	0.48	0.07	2.71	12.89
7855	1.48	0.73	7.71	2.47	0.46	0.07	1.41	14.33	1.97	0.75	9.91	3.17	0.58	0.09	2.19	18.66
7860	2.61	1.25	4.22	1.18	0.60	0.09	2.47	12.42	3.48	1.30	5.48	1.54	0.76	0.11	3.85	16.52
7865	2.78	1.39	13.24	4.24	1.04	0.16	2.66	25.51	3.71	1.44	17.06	5.46	1.35	0.20	4.14	33.36
7870	3.19	1.57	7.01	1.96	1.04	0.16	3.04	17.97	4.25	1.63	9.11	2.55	1.35	0.20	4.72	23.81
7875	3.50	1.67	8.04	2.25	0.75	0.11	3.31	19.63	4.67	1.73	10.45	2.93	0.95	0.14	5.15	26.02
7880	3.56	1.73	7.18	2.01	1.04	0.16	3.38	19.06	4.74	1.80	9.34	2.61	1.35	0.20	5.26	25.30
7885	4.08	1.93	5.24	1.47	0.74	0.11	3.85	17.42	5.44	2.00	6.82	1.91	0.93	0.14	5.98	23.22
7890	4.93	2.34	11.46	3.21	1.04	0.16	4.66	27.80	6.57	2.43	14.89	4.17	1.35	0.20	7.24	36.85
7895	5.66	2.71	10.50	2.94	1.25	0.19	5.36	28.61	7.55	2.81	13.65	3.82	1.59	0.24	8.34	38.00
7900	5.63	2.72	10.50	2.94	1.44	0.22	5.34	28.79	7.51	2.82	13.65	3.82	1.85	0.28	8.31	38.24
7910	1.02	0.37	1.79	0.57	0.16	0.02	1.12	5.05	1.23	0.38	2.39	0.76	0.21	0.03	1.54	6.54
7915	1.14	0.55	6.33	2.03	0.27	0.04	1.08	11.44	1.51	0.57	8.14	2.60	0.34	0.05	1.67	14.88
7920	1.18	0.57	6.33	2.03	0.27	0.04	1.12	11.54	1.58	0.59	8.14	2.60	0.34	0.05	1.74	15.04
7925	1.67	0.79	3.76	1.05	0.27	0.04	1.57	9.15	2.23	0.81	4.89	1.37	0.34	0.05	2.45	12.14

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
7930	1.26	0.60	8.14	2.60	0.27	0.04	1.19	14.10	1.68	0.62	10.46	3.35	0.34	0.05	1.86	18.36
7935	1.88	0.90	4.10	1.15	0.38	0.06	1.78	10.25	2.51	0.93	5.34	1.49	0.48	0.07	2.77	13.59
7940	1.46	0.71	8.18	2.62	0.38	0.06	1.38	14.79	1.94	0.73	10.52	3.37	0.48	0.07	2.15	19.26
7945	2.47	1.16	4.79	1.34	0.38	0.06	2.33	12.53	3.29	1.20	6.22	1.74	0.48	0.07	3.62	16.62
7950	3.94	1.91	7.18	2.01	1.04	0.16	3.74	19.98	5.26	1.98	9.34	2.61	1.35	0.20	5.82	26.56
7955	4.77	2.27	7.87	2.20	1.04	0.16	4.51	22.82	6.36	2.36	10.23	2.86	1.35	0.20	7.01	30.37
7960	5.04	2.39	9.92	2.78	1.04	0.16	4.76	26.09	6.72	2.48	12.89	3.61	1.35	0.20	7.40	34.65
7965	4.87	2.32	7.69	2.15	1.04	0.16	4.60	22.83	6.50	2.41	10.00	2.80	1.35	0.20	7.16	30.42
7970	5.25	2.49	9.92	2.78	1.04	0.16	4.96	26.60	7.00	2.58	12.89	3.61	1.35	0.20	7.71	35.34
7980	6.49	3.05	9.92	2.78	1.10	0.17	6.11	29.62	8.66	3.16	12.89	3.61	1.42	0.21	9.51	39.46
7985	6.62	3.11	9.92	2.78	1.10	0.17	6.23	29.93	8.82	3.22	12.89	3.61	1.42	0.21	9.69	39.86
7990	7.33	3.42	9.92	2.78	1.10	0.17	6.89	31.61	9.77	3.55	12.89	3.61	1.42	0.21	10.72	42.17
8000	6.18	2.94	8.55	2.39	1.25	0.19	5.84	27.34	8.24	3.05	11.11	3.11	1.59	0.24	9.08	36.42
8005	6.90	3.24	11.97	3.35	1.10	0.17	6.50	33.23	9.21	3.36	15.56	4.36	1.42	0.21	10.11	44.23
8010	7.48	3.49	11.97	3.35	1.10	0.17	7.03	34.59	9.97	3.62	15.56	4.36	1.42	0.21	10.94	46.08
8015	7.82	3.64	11.97	3.35	1.10	0.17	7.34	35.39	10.42	3.78	15.56	4.36	1.42	0.21	11.43	47.18
8020	10.61	4.89	11.97	3.35	1.10	0.17	9.94	42.03	14.15	5.07	15.56	4.36	1.42	0.21	15.47	56.24
8030	2.43	0.99	0.00	0.10	0.00	0.00	2.48	6.00								
8035	2.93	1.19	0.00	0.10	0.00	0.00	2.99	7.21								
8040	4.56	1.85	0.00	0.10	0.00	0.00	4.66	11.17								
8045	5.68	2.31	0.00	0.10	0.00	0.00	5.80	13.89								
8050	6.50	2.64	0.00	0.10	0.00	0.00	6.63	15.87								
8060	0.62	0.25	0.00	0.09	0.00	0.00	0.63	1.59	0.83	0.26	0.00	0.09	0.00	0.00	0.96	2.14
8065	0.98	0.40	0.00	0.09	0.00	0.00	1.00	2.47	1.31	0.41	0.00	0.09	0.00	0.00	1.53	3.34
8070	0.99	0.40	0.00	0.09	0.00	0.00	1.01	2.49	1.32	0.42	0.00	0.09	0.00	0.00	1.55	3.38
8075	1.01	0.41	0.00	0.09	0.00	0.00	1.03	2.54	1.34	0.43	0.00	0.09	0.00	0.00	1.57	3.43
8085	0.20	0.08	0.00	0.00	0.00	0.00	0.21	0.49								
8090	0.21	0.08	0.00	0.00	0.00	0.00	0.21	0.50								
8095	0.23	0.09	0.00	0.00	0.00	0.00	0.23	0.55								
8100	0.27	0.11	0.00	0.00	0.00	0.00	0.28	0.66								
8105	0.30	0.12	0.00	0.00	0.00	0.00	0.30	0.72								
8110	0.28	0.11	0.00	0.00	0.00	0.00	0.28	0.67								
8115	0.08	0.03	0.00	0.00	0.00	0.00	0.08	0.19								
8125	0.21	0.09	0.00	0.09	0.00	0.00	0.22	0.61								
8130	0.27	0.11	0.00	0.09	0.00	0.00	0.28	0.75								
8135	0.74	0.30	0.00	0.09	0.00	0.00	0.76	1.89								
8140	0.83	0.34	0.00	0.09	0.00	0.00	0.84	2.10								
8150	2.64	1.07	0.00	0.13	0.00	0.00	2.70	6.54								
8155	2.69	1.09	0.00	0.13	0.00	0.00	2.74	6.65								
8160	2.72	1.10	0.00	0.13	0.00	0.00	2.77	6.72								
8165	2.76	1.12	0.00	0.13	0.00	0.00	2.81	6.82								
8175	1.18	0.48	0.00	0.00	0.00	0.00	1.21	2.87								
8180	1.25	0.51	0.00	0.00	0.00	0.00	1.27	3.03								
8185	1.33	0.54	0.00	0.00	0.00	0.00	1.36	3.23								
8195	2.13	1.16	0.00	0.09	0.51	0.08	1.91	5.88	2.67	1.19	0.00	0.09	0.62	0.09	2.78	7.44
8200	2.49	1.34	0.00	0.09	0.51	0.08	2.21	6.72	3.11	1.37	0.00	0.09	0.62	0.09	3.23	8.51
8205	2.48	1.33	0.00	0.09	0.51	0.08	2.20	6.69	3.09	1.36	0.00	0.09	0.62	0.09	3.21	8.46
8210	3.11	1.68	0.00	0.09	0.67	0.10	2.77	8.42	3.89	1.72	0.00	0.09	0.80	0.12	4.04	10.66
8215	3.27	1.75	0.00	0.09	0.66	0.10	2.91	8.78	4.08	1.79	0.00	0.09	0.79	0.12	4.24	11.11
8220	6.45	3.65	0.00	0.09	2.28	0.34	5.81	18.62	8.06	3.74	0.00	0.09	2.74	0.41	8.47	23.51
8225	7.05	4.04	0.00	0.09	2.76	0.41	6.37	20.72	8.81	4.15	0.00	0.09	3.32	0.50	9.29	26.16
8235	2.58	1.38	0.00	0.09	0.51	0.08	2.29	6.93	3.22	1.41	0.00	0.09	0.62	0.09	3.34	8.77
8245	1.23	0.95	0.00	0.09	0.42	0.06	1.17	3.92								
8250	1.39	1.07	0.00	0.09	0.47	0.07	1.33	4.42								
8255	1.71	1.30	0.00	0.09	0.51	0.08	1.62	5.31								

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
8260	1.71	1.33	0.00	0.13	0.62	0.09	1.64	5.52								
8265	1.80	1.41	0.00	0.13	0.70	0.11	1.73	5.88								
8270	1.96	1.54	0.00	0.13	0.77	0.12	1.89	6.41								
8275	2.12	1.70	0.00	0.13	0.95	0.14	2.06	7.10								
8280	2.91	2.24	0.00	0.13	0.95	0.14	2.78	9.15								
8285	2.99	2.29	0.00	0.13	0.95	0.14	2.85	9.35								
8290	3.51	2.66	0.00	0.17	1.03	0.15	3.33	10.85								
8295	3.87	2.94	0.00	0.17	1.16	0.17	3.67	11.98								
8300	4.21	3.20	0.00	0.17	1.27	0.19	4.00	13.04								
8305	4.59	3.63	0.00	0.17	1.91	0.29	4.43	15.02								
8310	0.92	0.77	0.00	0.09	0.51	0.08	0.91	3.28								
8320	0.88	0.74	0.00	0.09	0.51	0.08	0.87	3.17								
8330	1.12	0.90	0.00	0.11	0.51	0.08	1.09	3.81								
8335	1.13	0.91	0.00	0.11	0.51	0.08	1.09	3.83								
8345	0.57	0.47	0.00	0.10	0.31	0.05	0.56	2.06								
8350	0.58	0.49	0.00	0.10	0.34	0.05	0.58	2.14								
8355	0.64	0.55	0.00	0.10	0.43	0.06	0.64	2.42								
8365	2.01	1.22	2.37	0.66	0.19	0.03	1.48	7.96								
8370	2.05	1.30	2.37	0.66	0.37	0.06	1.52	8.33								
8375	2.15	1.36	2.37	0.66	0.37	0.06	1.59	8.56								
8385	18.98	10.67	10.69	3.53	5.58	0.84	15.65	65.94	22.77	10.87	13.81	4.56	9.31	1.40	21.91	84.63
8390	26.27	14.98	15.44	5.10	9.61	1.44	21.72	94.56	31.53	15.26	19.95	6.58	16.03	2.40	30.41	122.16
8395	35.60	20.86	20.67	6.82	12.85	1.93	29.57	128.30	42.72	21.25	26.70	8.81	21.43	3.21	41.39	165.51
8400	16.86	9.55	10.69	3.53	5.58	0.84	13.93	60.98	20.24	9.73	13.81	4.56	9.31	1.40	19.50	78.55
8405	24.37	14.26	15.44	5.10	12.12	1.82	20.24	93.35	29.24	14.53	19.95	6.58	20.21	3.03	28.33	121.87
8415	12.39	7.04	5.58	1.84	3.49	0.52	10.24	41.10	14.87	7.17	7.21	2.38	5.61	0.84	14.33	52.41
8420	14.97	8.43	6.06	2.00	3.66	0.55	12.35	48.02	17.96	8.59	7.83	2.58	5.88	0.88	17.29	61.01
8425	15.00	8.80	6.06	2.00	6.17	0.93	12.46	51.42	18.01	8.97	7.83	2.58	9.92	1.49	17.45	66.25
8430	25.26	14.69	10.69	3.53	9.47	1.42	20.95	86.01	30.31	14.96	13.81	4.56	15.22	2.28	29.33	110.47
8440	12.44	7.02	5.08	1.68	2.82	0.42	10.27	39.73	14.93	7.16	6.57	2.17	4.70	0.70	14.37	50.60
8445	19.98	11.13	10.69	3.53	5.05	0.76	16.45	67.59	23.97	11.34	13.81	4.56	8.42	1.26	23.03	86.39
8450	25.57	14.61	14.45	4.77	9.61	1.44	21.15	91.60	30.69	14.88	18.66	6.16	16.03	2.40	29.61	118.43
8455	33.46	19.52	15.35	5.07	11.53	1.73	27.77	114.43	40.16	19.89	19.83	6.54	19.22	2.88	38.88	147.40
8460	34.16	20.11	17.94	5.92	12.85	1.93	28.40	121.31	41.00	20.48	23.17	7.65	21.43	3.21	39.76	156.70
8470	25.34	14.16	13.78	4.55	7.74	1.16	20.88	87.61	30.41	14.43	17.80	5.87	13.27	1.99	29.23	113.00
8480	11.05	6.21	5.11	1.69	3.27	0.49	9.12	36.94	13.26	6.33	6.60	2.18	5.45	0.82	12.76	47.40
8485	15.87	8.93	7.63	2.52	4.81	0.72	13.09	53.57	19.04	9.10	9.85	3.25	8.03	1.20	18.33	68.80
8490	18.91	11.04	11.71	3.87	9.15	1.37	15.70	71.75	22.69	11.24	15.13	4.99	15.26	2.29	21.97	93.57
8495	25.57	14.89	14.83	4.89	12.12	1.82	21.21	95.33	30.68	15.17	19.15	6.32	20.21	3.03	29.70	124.26
8500	35.78	20.96	19.96	6.59	12.85	1.93	29.72	127.79	42.94	21.36	25.78	8.51	21.43	3.21	41.61	164.84
8510	19.70	11.05	9.98	3.29	5.58	0.84	16.24	66.68	23.64	11.26	12.89	4.25	9.31	1.40	22.74	85.49
8515	26.92	15.32	13.69	4.52	9.61	1.44	22.25	93.75	32.30	15.61	17.68	5.83	16.03	2.40	31.15	121.00
8520	28.72	16.56	15.25	5.03	12.12	1.82	23.79	103.29	34.47	16.87	19.70	6.50	20.21	3.03	33.31	134.09
8525	31.96	18.60	16.13	5.32	10.74	1.61	26.51	110.87	38.35	18.95	20.84	6.88	17.91	2.69	37.12	142.74
8530	35.32	20.71	19.44	6.41	12.85	1.93	29.34	126.00	42.38	21.10	25.10	8.28	21.43	3.21	41.07	162.57
8540	7.57	5.31	5.64	1.58	1.91	0.29	7.22	29.52	9.09	5.39	7.42	2.08	2.57	0.39	9.38	36.32
8545	12.94	9.31	12.41	3.48	4.34	0.65	12.42	55.55	15.53	9.45	16.33	4.57	5.84	0.88	16.15	68.75
8550	17.55	12.75	16.93	4.74	6.45	0.97	16.90	76.29	21.07	12.95	22.27	6.24	8.69	1.30	21.96	94.48
8555	18.07	13.08	16.93	4.74	6.45	0.97	17.37	77.61	21.68	13.28	22.27	6.24	8.69	1.30	22.58	96.04
8560	20.10	14.72	20.69	5.79	7.93	1.19	19.39	89.81	24.11	14.94	27.22	7.62	10.68	1.60	25.20	111.37
8565	21.33	15.52	20.69	5.79	7.93	1.19	20.54	92.99	25.60	15.75	27.22	7.62	10.68	1.60	26.70	115.17
8575	12.83	9.23	12.41	3.48	4.34	0.65	12.31	55.25	15.39	9.38	16.33	4.57	5.84	0.88	16.01	68.40
8580	17.45	12.68	16.93	4.74	6.45	0.97	16.79	76.01	20.94	12.88	22.27	6.24	8.69	1.30	21.83	94.15
8585	17.70	12.85	16.93	4.74	6.45	0.97	17.04	76.68	21.25	13.05	22.27	6.24	8.69	1.30	22.15	94.95
8590	21.54	15.65	20.69	5.79	7.93	1.19	20.74	93.53	25.85	15.89	27.22	7.62	10.68	1.60	26.96	115.82

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
8595	21.91	15.89	20.69	5.79	7.93	1.19	21.08	94.48	26.29	16.13	27.22	7.62	10.68	1.60	27.40	116.94
8605	15.93	9.20	12.41	3.48	5.83	0.87	13.20	60.92	19.11	9.37	16.33	4.57	9.76	1.46	18.48	79.08
8610	23.98	14.02	16.93	4.74	9.25	1.39	19.91	90.22	28.77	14.29	22.27	6.24	15.01	2.25	27.87	116.70
8615	37.18	22.35	24.45	6.85	20.50	3.08	31.02	145.43	44.61	22.77	32.17	9.01	34.47	5.17	43.42	191.62
8625	14.30	8.37	10.42	2.92	5.86	0.88	11.87	54.62	17.16	8.52	13.71	3.84	9.68	1.45	16.62	70.98
8630	25.52	14.22	15.91	4.46	4.00	0.60	21.02	85.73	30.62	14.49	20.94	5.86	6.57	0.99	29.42	108.89
8640	16.76	9.67	12.41	3.48	6.00	0.90	13.88	63.10	20.11	9.85	16.33	4.57	10.02	1.50	19.43	81.81
8645	23.82	13.67	16.93	4.74	8.05	1.21	19.71	88.13	28.58	13.93	22.27	6.24	13.49	2.02	27.60	114.13
8655	4.34	1.39	5.05	1.41	0.04	0.01	6.97	19.21								
8660	6.59	2.10	8.87	2.48	0.04	0.01	10.58	30.67								
8670	1.06	0.62	0.00	0.01	0.00	0.00	0.77	2.46								
8675	1.23	0.72	0.00	0.01	0.00	0.00	0.90	2.86								
8680	1.43	0.84	0.00	0.01	0.00	0.00	1.04	3.32								
8690	1.80	1.10	0.65	0.17	0.17	0.03	1.33	5.25								
8695	2.06	1.25	0.65	0.17	0.17	0.03	1.52	5.85								
8700	2.29	1.39	0.65	0.17	0.17	0.03	1.68	6.38								
8710	0.20	0.09	1.08	0.32	0.00	0.00	0.12	1.81								
8715	0.25	0.11	1.35	0.40	0.00	0.00	0.16	2.27								
8725	0.32	0.12	1.39	0.33	0.03	0.00	0.35	2.54								
8730	0.63	0.23	6.48	1.55	0.02	0.00	0.69	9.60								
8735	0.64	0.23	6.48	1.55	0.02	0.00	0.71	9.63								
8740	0.76	0.27	6.87	1.65	0.02	0.00	0.83	10.40								
8745	0.94	0.34	8.47	2.03	0.04	0.01	1.04	12.87								
8755	0.83	0.30	1.77	0.42	0.02	0.00	0.91	4.25								
8760	0.84	0.30	1.77	0.42	0.02	0.00	0.92	4.27								
8765	1.04	0.38	2.93	0.70	0.04	0.01	1.15	6.25								
8770	1.02	0.37	2.98	0.71	0.04	0.01	1.13	6.26								
8780	0.27	0.12	0.54	0.16	0.00	0.00	0.17	1.26								
8785	0.28	0.13	1.08	0.32	0.00	0.00	0.18	1.99								
8795	0.17	0.08	1.03	0.31	0.00	0.00	0.11	1.70								
8800	0.18	0.08	1.30	0.39	0.00	0.00	0.11	2.06								
8805	0.23	0.10	1.62	0.49	0.00	0.00	0.15	2.59								
8810	0.38	0.17	2.27	0.68	0.00	0.00	0.24	3.74								
8820	0.09	0.04	1.03	0.31	0.00	0.00	0.06	1.53								
8825	0.15	0.07	1.30	0.39	0.00	0.00	0.09	2.00								

APPENDIX A

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APPENDIX A

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15. Means 1983 Labor Rates for the Construction Industry, 10th ed, R. S. Means Company, Inc., Kingston, Massachusetts, 1982.

16. Operating Cost Guide, Power Crane and Shovel Association, Milwaukee, Wisconsin, 1976.

17. Owning and Operating Costs, Fiat-Allis Construction Machinery, Inc., Springfield, Illinois, 1983.

18. "Part 414 - Cost Accounting Standard - Cost of Money as an Element of the Cost of Facilities Capital", Defense Procurement Circular (DPC) #76-2, Government Printing Office, Washington, D.C., August 1976.

19. Producer Prices and Price Indexes, U. S. Department of Labor, Bureau of Labor Statistics, Government Printing Office, Washington, D.C. 1972 through 1983.

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

APPENDIX B

AREA FACTORS

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

Sales or Import Tax Rate:		5.5 %
Working Hours Per Year:		1,700 Hrs/Yr
Labor Adjustment Factor (LAF):		1.100
Electricity Cost Per Kilowatt-Hour:		$ 0.090 /Kw-Hr
Gasoline Cost Per Gallon:		$ 1.230 /Gal.
Diesel Cost Per Gallon (Off-Road Use):		$ 0.990 /GAL.
Diesel Cost Per Gallon (On-Road Use):		$ 1.140 /Gal.
Freight Rates:	0 thru 24,000 lbs.	$15.630 /Cwt.
	over 24,000 thru 30,000 lbs.	$13.640 /Cwt.
	over 30,000 thru 44,000 lbs.	$11.240 /Cwt.
	over 44,000 thru 60,000 lbs.	$ 8.960 /Cwt.
	over 60,000 thru 70,000 lbs.	$ 8.590 /Cwt.
	over 70,000 thru 80,000 lbs.	$ 6.870 /Cwt.
	over 80,000 thru 9999,900 lbs.	$ 6.500 /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				CARRIER POWER				FOG			TIRES			RPR
					HP	E	G	D	HP	E	G	D	E	G	D	F	D	T	
15	AGGREGATE SPREADERS	A	10	20	50	.000	.051	.030	0	.000	.000	.000	0	24	24	97	69	99	70
30	AIR COMPRESSORS	A	10	25	65	.000	.066	.038	0	.000	.000	.000	0	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	0	81	65	90	80
80	BRUSH CHIPPERS	A	10	30	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	25	95	.000	.097	.056	0	.000	.000	.000	0	32	28	81	65	90	90
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	A	8	25	0	.000	.000	.000	0	.000	.000	.000	0	0	0	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	100
	CRANE, CRAWLER TYPE																		
150	0 THRU 25 TON	A	13	20	40	.000	.041	.024	0	.000	.000	.000	0	18	18	0	0	0	50
150		S	11	20	52	.000	.053	.031	0	.000	.000	.000	0	18	18	0	0	0	55
165	OVER 25 TON THRU 50 TON	A	15	20	40	.000	.041	.024	0	.000	.000	.000	0	18	18	0	0	0	60
165		S	13	20	52	.000	.053	.031	0	.000	.000	.000	0	18	18	0	0	0	65
170	OVER 50 TON THRU 150 TON	A	18	20	40	.000	.041	.024	0	.000	.000	.000	0	18	18	0	0	0	70
170		S	16	20	52	.000	.053	.031	0	.000	.000	.000	0	18	18	0	0	0	75
180	OVER 150 TON	A	20	25	40	.000	.041	.024	0	.000	.000	.000	0	18	18	0	0	0	80
180		S	18	25	52	.000	.053	.031	0	.000	.000	.000	0	18	18	0	0	0	85
	DRAGLINE & CLAMSHELL,CRAWLER																		
185	0 THRU 1 CY	A	12	20	50	.000	.051	.030	0	.000	.000	.000	0	18	18	0	0	0	70
185		S	10	20	65	.000	.066	.038	0	.000	.000	.000	0	18	18	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	18	18	0	0	0	80
190		S	13	20	65	.000	.066	.038	0	.000	.000	.000	0	18	18	0	0	0	90
195	OVER 2-1/2 CY THRU 5 CY	A	18	25	50	.000	.051	.030	0	.000	.000	.000	0	18	18	0	0	0	90
195		S	16	25	65	.000	.066	.038	0	.000	.000	.000	0	18	18	0	0	0	100

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C	LFE	SLV	EQUIPMENT POWER				CARRIER POWER				FOG			TIRES			RPR
					HP	E	G	D	HP	E	G	D	E	G	D	F	D	T	
196	OVER 5 CY	A	20	25	50	.000	.051	.030	0	.000	.000	.000	0	18	18	0	0	0	100
196		S	18	25	65	.000	.066	.038	0	.000	.000	.000	0	18	18	0	0	0	110
200	CRANES, HYDRAULIC, SELF-PROPELLED	A	16	20	65	.000	.066	.038	0	.000	.000	.000	0	32	28	89	71	90	70
205	CRANES, TOWER	A	18	25	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	20	65	.000	.066	.038	10	.000	.010	.006	0	30	26	97	78	0	50
210		S	13	20	85	.000	.086	.050	13	.000	.013	.007	0	30	26	86	61	0	55
225	26 THRU 65 T (1 TH 2-1/2 CY)	A	18	20	65	.000	.066	.038	10	.000	.010	.006	0	30	26	97	78	0	60
225		S	16	20	85	.000	.086	.050	13	.000	.013	.007	0	30	26	86	61	0	65
230	66 THRU 125 T	A	20	20	65	.000	.066	.038	10	.000	.010	.006	0	30	26	97	78	0	70
230		S	18	20	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	24	24	62	44	0	90
330	DRILL, ROTARY OVER 11" DIA.	A	20	20	80	.000	.081	.047	0	.000	.000	.000	0	24	24	62	44	0	90
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	A	20	20	70	.700	.000	.000	0	.000	.000	.000	50	0	0	0	0	0	45
375	FORK LIFTS	A	10	20	65	.900	.066	.038	0	.000	.000	.000	45	24	24	87	78	90	70
390	GRADERS	A	12	25	60	.000	.061	.035	0	.000	.000	.000	0	16	29	89	71	0	60
390		S	10	25	78	.000	.079	.046	0	.000	.000	.000	0	16	29	71	51	0	65
420	GENERATORS	A	8	20	65	.000	.066	.038	0	.000	.000	.000	0	24	24	0	0	90	60
420		S	7	20	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	30	85	.000	.086	.050	0	.000	.000	.000	0	24	24	0	0	90	150
450	LOADER, BELT	A	10	30	65	.000	.066	.038	0	.000	.000	.000	0	32	28	26	0	99	90
450		S	8	30	85	.000	.086	.050	0	.000	.000	.000	0	32	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	120
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	40	70	42	0	70
465		S	8	25	85	.000	.086	.050	0	.000	.000	.000	0	32	40	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	28	72	50	0	80
475	BACKHOE,WHEEL TYPE	S	8	25	85	.000	.086	.050	0	.000	.000	.000	0	32	28	57	35	0	85
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	A	6	30	65	.000	.066	.038	0	.000	.000	.000	0	32	28	0	0	0	90
485	PIPELAYERS	A	12	35	35	.000	.000	.021	0	.000	.000	.000	0	0	32	0	0	0	75
485		S	10	35	45	.000	.000	.027	0	.000	.000	.000	0	0	32	0	0	0	85
	PUMP, GROUT (SEE KEY NO. 105)																		
495	PUMP, WATER, ENGINE DRIVE	A	10	20	90	.000	.091	.053	0	.000	.000	.000	0	32	38	0	0	0	80
500	PUMP, WATER, ELECTRIC DRIVE	A	10	20	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	24	24	76	60	84	100
540	SCRAPERS, STANDARD	A	10	15	60	.000	.000	.035	60	.000	.000	.035	0	0	27	59	33	65	60
540		S	8	15	78	.000	.000	.046	78	.000	.000	.046	0	0	27	39	19	43	65
542	SCRAPERS, TANDEM POWERED	A	10	15	62	.000	.000	.037	62	.000	.000	.037	0	0	25	59	33	65	65
542		S	8	15	81	.000	.000	.048	81	.000	.000	.048	0	0	25	39	19	43	70
	SCRAPERS, ELEVATING																		
545	0 THRU 200 HP	A	10	20	66	.000	.000	.039	66	.000	.000	.039	0	0	34	59	33	65	75
545		S	8	20	86	.000	.000	.051	86	.000	.000	.051	0	0	34	39	19	43	80
550	OVER 200 HP	A	10	20	66	.000	.000	.039	66	.000	.000	.039	0	0	24	59	33	65	65
550		S	8	20	86	.000	.000	.051	86	.000	.000	.051	0	0	24	39	19	43	70
555	SCRAPERS, TRACTOR DRAWN	A	12	15	0	.000	.000	.000	0	.000	.000	.000	0	0	0	65	0	72	70
555		S	10	15	0	.000	.000	.000	0	.000	.000	.000	0	0	0	50	0	55	75
560	SOIL STABILIZERS	A	10	20	66	.000	.000	.039	66	.000	.000	.039	0	0	24	59	33	65	75
560		S	8	20	86	.000	.000	.051	86	.000	.000	.051	0	0	24	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	18	18	0	0	0	70
570		S	6	25	78	.000	.079	.046	0	.000	.000	.000	0	18	18	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	18	18	0	0	0	80
585		S	8	20	78	.000	.079	.046	0	.000	.000	.000	0	18	18	0	0	0	90
595	OVER 2-1/2 CY THRU 5 CY	A	12	15	60	.000	.061	.035	0	.000	.000	.000	0	18	18	0	0	0	90
595		S	10	15	78	.000	.079	.046	0	.000	.000	.000	0	18	18	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	18	18	0	0	0	110
600		S	12	15	78	.000	.079	.046	0	.000	.000	.000	0	18	18	0	0	0	110
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	32	0	0	0	110
615		S	8	25	91	.000	.000	.054	0	.000	.000	.000	0	0	32	0	0	0	120
620	226 HP THRU 425 HP (PER	A	10	20	70	.000	.000	.041	0	.000	.000	.000	0	0	25	0	0	0	90
620	UNIT FOR TANDEM TRACTORS)	S	8	20	91	.000	.000	.054	0	.000	.000	.000	0	0	25	0	0	0	100
625	OVER 425 HP	A	12	15	70	.000	.000	.041	0	.000	.000	.000	0	0	22	0	0	0	90
625		S	10	15	91	.000	.000	.054	0	.000	.000	.000	0	0	22	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	32	28	91	68	0	90
650		S	8	20	85	.000	.086	.050	0	.000	.000	.000	0	32	28	77	48	0	100
655	TRAILERS, BOTTOM DUMP AND	A	10	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	65	60
655	END DUMP	S	8	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	54	70
660	TRAILERS, FLATBED, LO-BOY AND TILT	A	10	35	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	0	0	0	0	70
	TRUCK, HIGHWAY																		
690	0 THRU 10,000 GVW	A	6	25	15	.000	.015	.009	0	.000	.000	.000	0	32	28	41	29	0	70
690		S	5	25	20	.000	.020	.012	0	.000	.000	.000	0	32	28	36	22	0	80
695	OVER 10,000 THRU 30,000 GVW	A	8	25	35	.000	.035	.020	0	.000	.000	.000	0	32	28	49	39	0	60
695		S	6	25	46	.000	.045	.026	0	.000	.000	.000	0	32	28	42	30	0	70
705	OVER 30,000 GVW	A	8	25	50	.000	.052	.030	0	.000	.000	.000	0	32	28	51	38	57	60
705		S	6	25	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	33	59	36	65	60
720		S	10	15	52	.000	.000	.031	0	.000	.000	.000	0	0	33	39	21	43	70
765	WAGON, BOTTOM & REAR DUMP	A	12	15	65	.000	.066	.038	0	.000	.000	.000	0	24	28	59	39	65	60
765		S	10	15	85	.000	.086	.050	0	.000	.000	.000	0	24	28	39	22	43	70
780	WAGON, WATER	A	12	25	65	.000	.066	.038	0	.000	.000	.000	0	24	28	73	55	81	60
780		S	10	25	85	.000	.086	.050	0	.000	.000	.000	0	24	28	56	40	62	65

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

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

	YEAR PURCHASE NEW												
	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972
	AGE IN YEARS												
CATEGORY	0	1	2	3	4	5	6	7	8	9	10	11	12
Air Equipment	1748	1708	1668	1563	1630	1521	1354	1295	1186	1165	1028	935	920
Asphalt & Concrete Paving Equipment	2592	2592	2620	2461	2296	2111	1941	1815	1686	1610	1451	1304	1263
Buckets	4463	4463	4541	4313	3879	3280	2963	2738	2520	2175	1838	1430	1370
Cranes, Draglines & Clamshells - Crawler & Truck Mounted	3349	3281	3213	3009	2782	2512	2301	2138	2010	1843	1522	1305	1260
Drills	2890	2850	2810	2602	2265	1993	1858	1699	1638	1559	1373	1249	1184
Generators	3372	3304	3236	3160	2817	2390	2301	2128	2053	1839	1456	1316	1283
Graders, Motor	3721	3641	3561	3276	2992	2687	2492	2259	2109	1956	1604	1361	1244
Loaders, Track	3929	3792	3655	3349	3061	2750	2482	2247	2053	1916	1573	1329	1281
Loaders, Wheel	3974	3881	3788	3441	2938	2606	2375	2156	2002	1907	1584	1362	1317
Pile Driving Equipment	3603	3521	3439	3208	2894	2562	2329	2135	1989	1852	1523	1307	1257
Rollers	4071	3751	3431	3199	2913	2653	2396	2139	1983	1872	1556	1328	1279
Scrapers and Soil Stabilizers	3721	3641	3561	3276	2992	2687	2492	2259	2109	1956	1604	1361	1244
Shovels, Backhoes & Hydraulic Excavators	3349	3281	3213	3009	2782	2512	2301	2138	2010	1843	1522	1305	1260
Tractors, Crawler & Attachments	3929	3792	3655	3349	3061	2750	2482	2247	2053	1916	1573	1329	1281
Tractors, Wheel	3584	3557	3530	3256	2927	2578	2319	2125	1956	1813	1498	1288	1251
Trenchers	4623	4360	4097	3618	3153	2772	2580	2300	1894	1633	1527	1384	1316
Trucks, Highway	2940	2882	2824	2638	2324	2108	1934	1775	1646	1524	1369	1230	1211
Trucks & Wagons - Off Highway	3822	3742	3662	3363	2964	2588	2364	2196	2081	1965	1568	1315	1293
All Other Equipment	3603	3521	3439	3208	2894	2562	2329	2135	1989	1852	1523	1307	1257
All Tires & Tubes	2454	2454	2552	2506	2369	2055	1792	1699	1615	1485	1334	1114	1092

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.