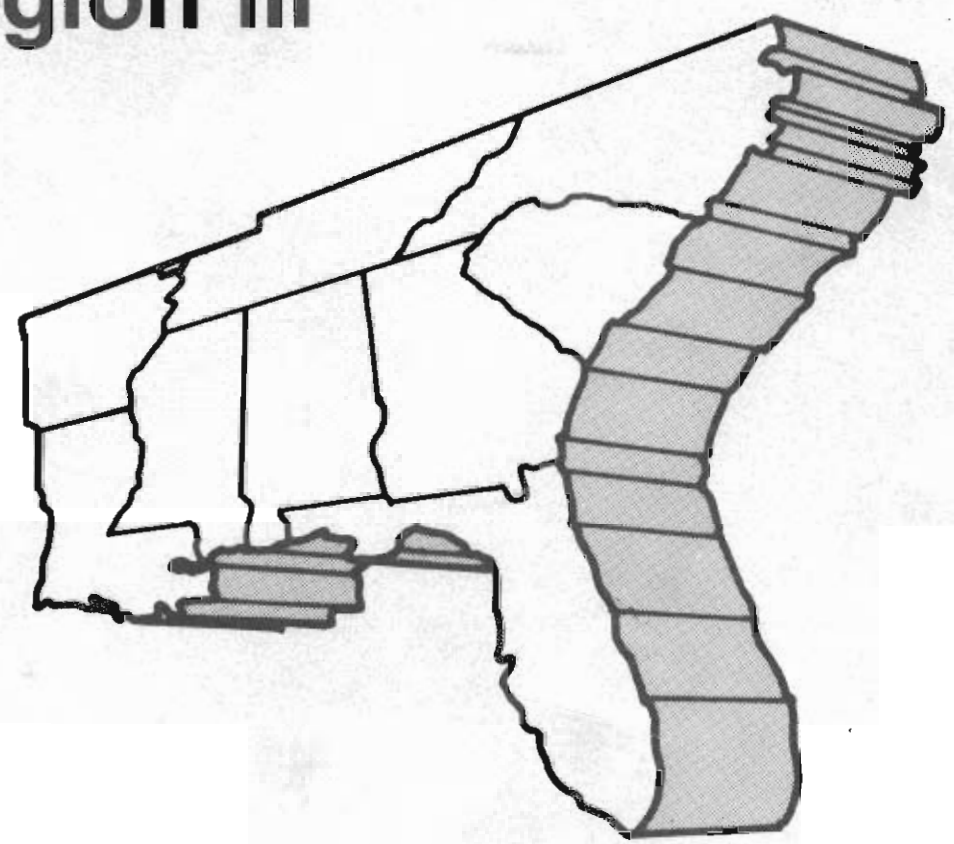
Estimates

US Army Corps
of Engineers
Office of the Chief
of Engineers

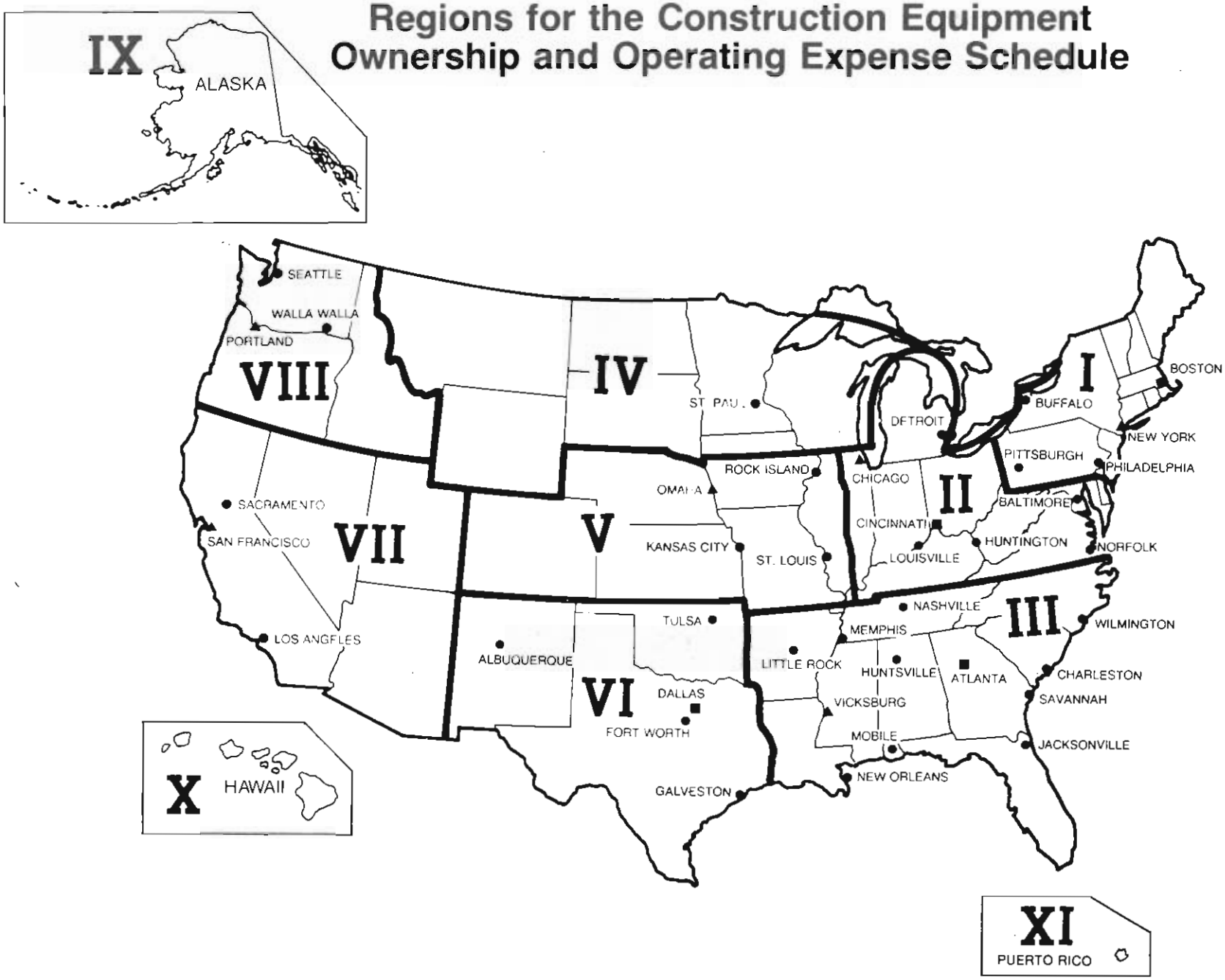
EP 1110-1-8
Volume 3
June 1984

Construction Equipment Ownership and Operating Expense Schedule

Region III



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 3

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 III which includes the following states:

Alabama	Mississippi
Arkansas	Missouri (panhandle south of 36°-30'-00")
Florida	North Carolina
Georgia	South Carolina
Louisiana	Tennessee

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 3, dated 1 June 1983

DAEN-ECE-S

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

EP 1110-1-8
(Vol. 3)

Engineer Pamphlet
No. 1110-1-8

1 June 1984

Engineering and Design
CONSTRUCTION EQUIPMENT OWNERSHIP AND OPERATING EXPENSE SCHEDULE

Table of Contents

Subject	Paragraph	Page
CHAPTER 1. INTRODUCTION		
Purpose	1-1	1-1
Applicability	1-2	1-1
References	1-3	1-1
General	1-4	1-1
Use	1-5	1-1
CHAPTER 2. METHODOLOGY		
General	2-1	2-1
Construction Equipment	2-2	2-1
Marine Equipment	2-3	2-11
CHAPTER 3. RATE SCHEDULE		
Introduction	3-1	3-1
Hourly Equipment Ownership and Operating Expense	3-2	3-1
Table 3-1. Hourly Equipment Ownership and Operating Expense		3-5
Table 3-2. Equipment Age Adjustment Factors for Ownership Cost		3-79
Table 3-3. Equipment Age Adjustment Factors for Standby Costs		3-83
Table 3-4. Shift Adjustment Factors for Ownership Costs		3-87
Table 3-5. Hourly Rate Elements		3-89

Subject	Paragraph	Page
APPENDIX A. REFERENCES		A-1
APPENDIX B. AREA FACTORS		B-1
APPENDIX C. GUIDE FOR SELECTING OPERATING CONDITIONS		C-1
APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS		D-1
APPENDIX E. SALVAGE AND REPAIR INDEXES FOR CONSTRUCTION EQUIPMENT		E-1
APPENDIX F. TIRE LIFE AND TIRE WEAR FACTORS		F-1
APPENDIX G. EQUIPMENT EXTRAS		G-1

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 III, which includes the following states:

Alabama	Mississippi
Arkansas	Missouri (panhandle south of 36°-30′-00")
Florida	North Carolina
Georgia	South Carolina
Louisiana	Tennessee

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)

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

1. REQUIRED DATA

a. Unit Number 3230

(1) Equipment Description Lorain 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 111,00 lbs.

(9) Tire Size: Front- 1400 x 20 18 PR Drive- 1400 x 20 18 PR 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

=(1,111 cwt) x ($ 2.82) =(+)$ 3,133.02

b. Subtotal: Summation of Part a. (Use actual cost when available) =$ 319,449.72

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

=($ 319,449.72) x (.045) =(+)$ 14,375.24

c. Equipment Cost: Summation of Part b. (Use actual cost when available) =$ 333,824.96

ENG FORM 4737-R, Jan 83 EDITION OF MAY 81 IS OBSOLETE. (Proponents: DAEN-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)

=(18,000 Hrs) ÷ (1,550 Hrs/Yr) 11.61 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))

=[($ 333,825) x [1.0 - (.208)] - ($ 8,486)] ÷ (18,000 Hr)=$ 14.22 /Hr.

b. Cost of Facilities Capital (CFC):

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

=[[(11.61 Yrs)-1.0] x [(.208)+1.0] + 2.0] ÷ [(11.61 Yrs)x2.0] = .638

(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)

=($ 333,825) x (.638) x (.099) ÷ (1,550 Hrs/Yr) =$ 13.60 /Hr.

c. Total Hourly Ownership: (Sum 6-a + 6-b-(2)) =$ 27.82 /Hr.

ENG FORM 4737-R, Jan 83

PAGE 2

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

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

(2) Carrier: (Carrier Fuel Factor From 1-b-(5)) x (H.P. From 1-a-(6)) x (Fuel Cost 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 From 1-b-(6)) x (Hourly Fuel Cost From 7-a-(1))

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

(2) Carrier: (FOG Factor From 1-b-(6)) x (Hourly Fuel Cost 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 From 1-b-(8)) x (EAF From 4) x (LAF From APP. B)

=(.60) x (1.042) x (.88) = .550

(2) Hourly Repairs:

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

=[($ 333,825) - ($ 8,486)] x (.550) ÷ (15,000 Hr) =$ 1.94 /Hr.

ENG FORM 4737-R, Jan 83

PAGE 3

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($ 2,720)÷ [1.8x(.97)x(5,000 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($ 5,440)÷ [1.8x(.78)x(5,000 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) =$ 19.39 /Hr.

8. TOTAL HOURLY RATES

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

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

=($ 27.82 /Hr) + ($ 19.39 /Hr) =$ 47.21 /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)

=($ 14.22 /Hr) + [($ 13.60 /Hr)x40÷(60 Hr/Wk)] + ($ 19.39 /Hr) =$ 42.68 /Hr.

c. Hourly Standby Rate:

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

=($ 14.22 /Hr) x 0.25 + ($ 13.60 /Hr) =$ 17.16 /Hr.

ENG FORM 4737-R, Jan 83 PAGE 4

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	PERCENT ANNUAL OWNERSHIP EXPENSE DEPRE-CIATION	CFC	TOTAL
Hydraulic dredge, including hydraulic dredges used as Boosters:					
10-inch thru 14-inch	20	.05	4.75	5.43	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

CATEGORY INDEX

Page

Aggregate Spreaders 3-9
Air Compressors - Portable 3-9
Air Equipment - Sandblast Equipment, Concrete Vibrators, Jackhammers, and Air Tools 3-10
Asphalt Distributor 3-11
Asphalt Finishers 3-11
Asphalt Kettles 3-12
Asphalt Recycler 3-12
Brooms - Towed & Self-Propelled 3-12
Brush Chippers 3-12
Buckets
  Clamshell 3-12
  Concrete 3-14
  Dragline and Crescent Scraper (Sauerman) 3-15
Compactors - Manually Operated 3-18
Concrete Hauler (See Truck Accessories)
Concrete Buggies 3-18
Concrete Finisher 3-19
Concrete Mixers 3-19
Concrete Pavers 3-19
Concrete Placers, Shotcrete 3-19
Concrete Pumps 3-20
Concrete Saw 3-21
Cranes, Shovels, Backhoes & Draglines - Crawler Type 3-21
Cranes - Hydraulic
  Self-Propelled 3-27
  Truck Mounted 3-28
Cranes - Truck Mounted 3-29
Cranes - Tower 3-30
Dozers (See Tractor, Crawler)
Drills
  Blast Hole (Trac Drills) 3-31
  Core-Air-Column Mounted 3-32
  Core-Skid Mounted 3-32
  Rotary 3-33
Fork Lifts 3-33
Generator Sets, Electric - Skid Mounted 3-35
Graders - Motor 3-36
Hoists 3-37
Hydraulic Excavators
  Crawler Mounted 3-38
  Truck Mounted 3-40
Land Clearing Equipment 3-40

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

CATEGORY INDEX (Continued)

Page

Lighting Sets - Trailer Mounted..... 3-40
Loaders - Belt..... 3-41
Loaders - Front End, Crawler Type..... 3-43
Loaders - Front End, Wheel Type..... 3-45
Loader/Backhoe - Wheel Type Tractor..... 3-47
Loader/Backhoe - Crawler Type Tractor..... 3-48
Loader/Backhoe Attachments..... 3-48
Pile Extractors..... 3-48
Pile Hammers
  Diesel..... 3-49
  Air or Steam
    Single Acting..... 3-49
    Double Acting..... 3-49
  Vibratory..... 3-50
Pipelayers..... 3-50
Pumps - Grout..... 3-50
Pumps - Water
  Pumps - (For Core Drills)..... 3-51
  Pumps - Centrifugal, Dewatering..... 3-51
  Pumps - Centrifugal, Trash..... 3-51
  Pumps - Diaphram..... 3-52
  Pumps - Submersible..... 3-52
Ripper & Hydr. Bank Sloper..... 3-52
Roller
  Rubber Tired, Self-Propelled..... 3-54
  Rubber Tired, Towed..... 3-55
  Sheepsfoot, Double Drum, Towed..... 3-55
  Sheepsfoot, Double Drun, Self-Propelled..... 3-56
  Smooth Wheel, Self-Propelled..... 3-56
  Vibratory, Single Drum, Towed..... 3-57
  Vibratory, Single Drum, Self-Propelled..... 3-58
  Vibratory, Double Drum, Self-Propelled..... 3-60
Sandblast Equipment (See Air Equipment)
Scrapers - Self-Propelled..... 3-61
Scrapers - Tractor Drawn..... 3-63
Soil Stabilizers..... 3-63
Tampers (See Compactors, Manually Operated)
Tractor - Crawler (Dozer) (Blades, Push Plates
 & Push Blocks are separate)..... 3-63
Tractor - Wheel Type (Dozer)..... 3-68
Tractor - Wheel Type, Farm Type..... 3-68

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

CATEGORY INDEX (Continued)

	Page
Trencher-Chain Type	3-68
Trencher-Wheel Type	3-68
Trucks - Highway (Chassis Only)	3-69
Truck Accessories (Add to Chassis)	
Crane - Hydraulic	3-71
Dump Body, Rear (5 - 12 C.Y.)	3-72
Flatbeds	3-72
Hoists	3-72
Transit Mixers	3-72
Water Tank	3-73
Truck Trailers	
Bottom Dump	3-73
End Dump	3-73
Lowboy (Flatbed)	3-73
Platform	3-74
Pup	3-74
Tilt	3-74
Water Tanker Trailer	3-74
Trucks - Off-Highway	3-74
Trucks - Water, Tractor Drawn	3-76
Wagons	
Bottom Dump	3-76
Rear Dump	3-77
Water Blaster	3-77
Water Tanks	3-77
Welders	3-78

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	AGGREGATE SPREADER **********									
	ETNYRE - SELF-PROPELLED									
1010	SPREAD TO 8" DEPTH & 10´ WIDE 187 HP G	50,484	23.17		3.12	6.08	11.16			155
1015	SPREAD TO 8" DEPTH & 13´ WIDE 143 HP D	56,425	15.69		3.49	6.80	4.25			160
	AIR COMPRESSORS, PORTABLE ********** (HOSE NOT INCLUDED)									
	ROTARY SCREW									
1030	SIZE 85 CFM QUIET 100 PSI 43 HP G	9,705	6.15		0.61	1.13	3.32			21
1035	SIZE 85 CFM QUIET 100 PSI 38 HP D	11,493	3.93		0.72	1.35	1.43			24
1040	SIZE 100 CFM QUIET 100 PSI 50 HP G	12,133	7.31		0.75	1.41	3.86			20
1045	SIZE 100 CFM QUIET 100 PSI 44 HP D	14,550	4.77		0.91	1.70	1.66			26
1050	SIZE 125 CFM QUIET 100 PSI 70 HP G	14,850	9.84		0.92	1.73	5.41			24
1055	SIZE 125 CFM QUIET 100 PSI 51 HP D	15,794	5.33		0.98	1.84	1.92			26
1060	SIZE 150 CFM QUIET 100 PSI 70 HP G	16,208	10.09		1.01	1.89	5.41			26
1065	SIZE 150 CFM QUIET 100 PSI 69 HP D	18,395	6.69		1.15	2.16	2.60			28
1070	SIZE 185 CFM QUIET 100 PSI 70 HP G	16,732	10.19		1.05	1.96	5.41			27
1075	SIZE 185 CFM QUIET 100 PSI 69 HP D	19,747	6.93		1.23	2.31	2.60			29
1080	SIZE 275 CFM QUIET 100 PSI 94 HP D	29,398	9.89		1.83	3.44	3.54			55
1085	SIZE 340 CFM QUIET 100 PSI 103 HP D	36,416	11.62		2.26	4.22	3.87			79
1090	SIZE 450 CFM QUIET 100 PSI 152 HP D	47,227	15.96		2.94	5.50	5.72			89
1095	SIZE 600 CFM QUIET 100 PSI 175 HP D	63,755	20.07		3.96	7.43	6.58			97
1100	SIZE 750 CFM QUIET 100 PSI 228 HP D	73,880	24.48		4.59	8.62	8.58			128
1105	SIZE 825 CFM QUIET 100 PSI 250 HP D	84,116	27.40		5.23	9.83	9.40			130
1110	SIZE 900 CFM QUIET 100 PSI 270 HP D	92,151	29.83		5.73	10.77	10.16			148
1115	SIZE 1000 CFM QUIET 100 PSI 283 HP D	102,944	32.42		6.40	12.04	10.65			186
1120	SIZE 1200 CFM QUIET 100 PSI 325 HP D	123,223	38.15		7.68	14.44	12.23			196
1125	SIZE 1600 CFM QUIET 100 PSI 456 HP D	139,333	47.39		8.67	16.31	17.15			216

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	AIR EQUIPMENT ********** (HOSE NOT INCLUDED)									
	CLEMCO - SANDBLASTERS									
1140	SCW-1042P SANDBLASTER 1/2" HOSE 101CFM A CAP. 100 LBS. W/ACC. AND 25' HOSE	1,393	0.89		0.14	0.35	0.00			3
1145	SCW-1440P SANDBLASTER 1" HOSE 101CFM A CAP. 150 LBS W/ACC. AND 50' HOSE	2,603	1.60		0.26	0.64	0.00			5
1150	SCWB-1648P SANDBLASTER 1" HOSE 101CFM A CAP. 300 LBS. W/ACC. AND 50' HOSE	2,627	1.62		0.26	0.65	0.00			6
1155	SCWB-2452HPSANDBLASTER 1-1/4" HOS 216CFM A CAP. 600 LBS. W/ACC. AND 50' HOSE	2,917	1.86		0.29	0.72	0.00			7
1160	SCH-3079 SANDBLASTER 1-1/4" PIPE 216CFM A CAP. 1400 LBS W/HOPPER & 50' HOSE	3,881	2.43		0.38	0.96	0.00			9
1165	MOD 60-H SANDBLASTER 1-1/4" PIPE 450CFM A CAP. 3-TONS W/2 NOZZ. & 50' HOSE	11,274	6.84		1.09	2.71	0.00			28
1170	MOD 120-H SANDBLASTER 1-1/4" PIPE 700CFM A CAP. 6-TONS W/3 NOZZ. & 50' HOSE	13,616	8.19		1.29	3.19	0.00			45
1175	MOD 160-H SANDBLASTER 1-1/4" PIPE 900CFM A CAP. 8-TONS W/4 NOZZ. & 50' HOSE	16,929	10.25		1.62	4.00	0.00			53
	GARDNER DENVER - TOOLS									
1185	SPADER SP27E 32CFM A	992	0.65		0.10	0.25	0.00			1
1190	SINKER DRILL S58 98CFM A	2,179	1.40		0.22	0.54	0.00			1
1195	PAVING BREAKER B37 41CFM A	1,018	0.66		0.10	0.25	0.00			1
1200	PAVING BREAKER B67C 46CFM A	1,091	0.71		0.11	0.27	0.00			1
1205	PAVING BREAKER B87C 50CFM A	1,187	0.76		0.12	0.29	0.00			1
1210	FEED LEG DRILL S83F-54" TRAVEL 103CFM A RETRACTABLE FL-7	4,007	2.50		0.39	0.98	0.00			1
	MASTER - CONCRETE VIBRATORS									
1220	CONCRETE VIBR. MOD A-600SH 6" 125CFM A	1,935	1.74		0.19	0.47	0.00			1
1225	CONCRETE VIBR. MOD A-450SH 4.5" 110CFM A	1,243	1.16		0.12	0.31	0.00			1
1230	CONCRETE VIBR. MOD A-35010 3.5" 82CFM A	1,116	1.01		0.11	0.27	0.00			1
1235	CONCRETE VIBR. MOD A-30010 3" 64CFM A	1,006	0.91		0.10	0.25	0.00			1
1240	CONCRETE VIBR. MOD A-25010 2.5" 40CFM A	789	0.71		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	25,200	9.52		1.57	3.08	3.47			72
1255	MOD RES 1500 GAL. TRUCK MOUNTED 45 HP G 24,000 TO 32,000 GVW REQUIRED	26,040	9.70		1.62	3.19	3.47			75
1260	MOD RES 2000 GAL. TRUCK MOUNTED 45 HP G 32,000 GVW REQUIRED	27,811	10.04		1.73	3.40	3.47			87
1265	MOD RES 3000 GAL. TRUCK MOUNTED 45 HP G 42,000 GVW REQUIRED	31,121	10.69		1.94	3.81	3.47			109
	ASPHALT FINISHERS ********** SPW=STANDARD PAVING WIDTH									
	BARBER-GREENE									
1275	MOD SB111 8′ SPW (PNEUMATIC) 70 HP D	91,702	21.89		5.67	11.08	2.63			165
1280	MOD SB131 10′ SPW (PNEUMATIC) 95 HP D W/VIB SCREED, AUTO. FEEDERS AND GR CONTROL	145,682	34.10		8.98	17.48	3.57			258
1285	MOD SB140 10′ SPW (PNEUMATIC) 130 HP D OPTIONS SAME AS MOD SB131	161,792	39.05		9.99	19.47	4.89			325
1290	MOD SA150 10′ SPW (CRAWLER) 130 HP D OPTIONS SAME AS MOD SB131	192,695	44.96		12.01	23.60	4.89			375
	BLAW-KNOX									
1300	MOD PF-22 5′SPW (PNEUMATIC) 22 HP D	46,676	10.53		2.87	5.57	0.83			95
1305	MOD PF-35 6′SPW (PNEUMATIC) 56 HP D	73,603	17.58		4.55	8.87	2.11			104
1310	MOD PF-115 8′SPW (PNEUMATIC) 58 HP D	101,989	23.44		6.31	12.30	2.18			180
1315	MOD PF-120H 8′SPW (PNEUMATIC) 87 HP D	127,300	30.04		7.85	15.24	3.27			240
1320	MOD PF-180H 10′SPW (PNEUMATIC) 88 HP D	149,084	34.52		9.18	17.83	3.31			277
1325	MOD PF-220 12′SPW (PNEUMATIC) 157 HP D	197,241	47.65		12.14	23.57	5.91			387
1330	MOD PF-400 8′SPW (CRAWLER) 76 HP D	140,146	31.80		8.73	17.16	2.86			230
1335	MOD PF-500 10′SPW (CRAWLER) 110 HP D	167,812	39.00		10.46	20.55	4.14			291

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
	ASPHALT KETTLES - ROSCO **********									
1345	MOD KB 110 GAL. TRAILER MOUNTED	3,612	1.81		0.25	0.50	0.00			13
1350	MOD KD 225 GAL. TRAILER MOUNTED	4,195	2.05		0.28	0.58	0.00			16
	ASPHALT RECYCLER - BOMAG **********									
1360	MOD AR-6 TRAILER MOUNTED 8 HP G	9,971	4.68		0.67	1.40	0.62			21
	BROOMS - M-B **********									
1370	MOD 53T HYD 7 FT. TOWED MECH DRIVE W/SPRINKLER	6,206	1.37		0.38	0.72	0.00			24
1375	MOD 53-M 7 FT. TOWED 21 HP G MOTOR DRIVEN W/SPRINKLER	8,042	3.55		0.50	0.93	1.62			30
1380	MOD MT 7 FT. TRACTOR MOUNTED PTO DRIVE W/SPRINKLER	2,721	0.70		0.17	0.32	0.00			10
1385	MOD HT 7 FT. TRACTOR MOUNTED HYD DRIVE W/SPRINKLER	4,225	0.93		0.27	0.50	0.00			14
	BRUSH CHIPPERS - FMC **********									
1395	MOD C-16S SKID-MTD 16" DIA.LOG 150 HP G	11,255	12.86		0.70	1.28	8.07			41
1400	MOD C-16T TRAILER-MTD 16" DIA.LOG 150 HP G	12,316	13.08		0.77	1.38	8.07			45
	BUCKETS, CLAMSHELL **********									
	ESCO - MODEL GPS GENERAL PURPOSE & SQUARE NOSE									
1410	.75 C.Y.	9,412	1.75	2.20	0.58	1.18	0.00	1.39	0.00	33
1415	1.0 C.Y.	10,986	2.06	2.58	0.69	1.39	0.00	1.63	0.00	43
1420	1.5 C.Y.	16,150	3.02	3.80	1.01	2.04	0.00	2.40	0.00	65
1425	2.0 C.Y.	18,273	3.42	4.30	1.14	2.31	0.00	2.72	0.00	72
1430	2.5 C.Y.	23,814	4.44	5.60	1.48	3.00	0.00	3.54	0.00	94
1435	3.0 C.Y.	25,223	4.71	5.93	1.57	3.18	0.00	3.75	0.00	99
1440	3.5 C.Y.	25,800	4.81	6.06	1.60	3.25	0.00	3.83	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.	28,403	5.30	6.68	1.77	3.58	0.00	4.22	0.00	120
1450	4.5 C.Y.	30,704	5.73	7.22	1.91	3.87	0.00	4.56	0.00	132
1455	5.0 C.Y.	33,254	6.21	7.81	2.07	4.20	0.00	4.93	0.00	146
1460	5.5 C.Y.	35,887	6.70	8.42	2.24	4.53	0.00	5.32	0.00	158
1465	6.0 C.Y.	37,150	6.94	8.73	2.31	4.69	0.00	5.52	0.00	166
1470	6.5 C.Y.	40,180	7.50	9.44	2.50	5.07	0.00	5.96	0.00	177
1475	7.0 C.Y.	41,373	7.72	9.72	2.57	5.22	0.00	6.14	0.00	185
1480	7.5 C.Y.	42,928	8.01	10.08	2.67	5.41	0.00	6.37	0.00	192
	ESCO - MODEL HDS HEAVY DUTY & SQUARE NOSE									
1490	.75 C.Y.	9,852	1.84	2.31	0.61	1.24	0.00	1.46	0.00	35
1495	1.0 C.Y.	13,335	2.49	3.13	0.83	1.68	0.00	1.98	0.00	49
1500	1.5 C.Y.	19,383	3.61	4.56	1.20	2.44	0.00	2.88	0.00	74
1505	2.0 C.Y.	20,909	3.90	4.92	1.30	2.63	0.00	3.11	0.00	82
1510	2.5 C.Y.	26,573	4.97	6.24	1.66	3.36	0.00	3.94	0.00	105
1515	3.0 C.Y.	29,056	5.43	6.83	1.81	3.67	0.00	4.32	0.00	116
1520	3.5 C.Y.	31,340	5.85	7.36	1.95	3.95	0.00	4.65	0.00	126
1525	4.0 C.Y.	33,679	6.29	7.91	2.10	4.25	0.00	5.00	0.00	137
1530	4.5 C.Y.	36,154	6.75	8.50	2.25	4.56	0.00	5.37	0.00	147
1535	5.0 C.Y.	39,786	7.43	9.35	2.48	5.02	0.00	5.91	0.00	163
1540	5.5 C.Y.	41,975	7.84	9.86	2.62	5.30	0.00	6.23	0.00	172
1545	6.0 C.Y.	44,405	8.29	10.43	2.76	5.60	0.00	6.59	0.00	182
1550	6.5 C.Y.	46,279	8.64	10.87	2.88	5.84	0.00	6.87	0.00	193
1555	7.0 C.Y.	48,204	9.00	11.33	3.00	6.08	0.00	7.16	0.00	201
1560	7.5 C.Y.	50,115	9.35	11.77	3.12	6.32	0.00	7.44	0.00	209

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.	14,947	2.78	3.51	0.93	1.88	0.00	2.22	0.00	52
1575	1.0 C.Y.	15,238	2.84	3.58	0.95	1.92	0.00	2.26	0.00	58
1580	1.5 C.Y.	22,640	4.23	5.32	1.41	2.86	0.00	3.36	0.00	85
1585	2.0 C.Y.	27,384	5.11	6.44	1.70	3.45	0.00	4.07	0.00	103
1590	2.5 C.Y.	30,552	5.70	7.18	1.90	3.85	0.00	4.54	0.00	119
1595	3.0 C.Y.	33,175	6.20	7.80	2.07	4.19	0.00	4.93	0.00	135
1600	3.5 C.Y.	34,874	6.51	8.20	2.17	4.40	0.00	5.18	0.00	149
1605	4.0 C.Y.	36,938	6.90	8.68	2.30	4.66	0.00	5.49	0.00	158
1610	4.5 C.Y.	38,682	7.22	9.09	2.41	4.88	0.00	5.74	0.00	168
1615	5.0 C.Y.	41,482	7.75	9.75	2.59	5.24	0.00	6.16	0.00	181
1620	5.5 C.Y.	43,915	8.19	10.32	2.73	5.53	0.00	6.52	0.00	193
1625	6.0 C.Y.	46,165	8.62	10.85	2.88	5.83	0.00	6.86	0.00	203
1630	6.5 C.Y.	50,016	9.33	11.76	3.11	6.30	0.00	7.43	0.00	220
1635	7.0 C.Y.	51,513	9.62	12.11	3.21	6.50	0.00	7.65	0.00	230
1640	7.5 C.Y.	53,954	10.07	12.68	3.35	6.80	0.00	8.01	0.00	241
	BUCKETS, CONCRETE - GAR-BRO **********									
	GENERAL PURPOSE & MANUAL									
1650	433-G 1.0 C.Y.	1,419	0.26		0.09	0.17	0.00			6
1655	442-G 1.5 C.Y.	1,774	0.32		0.11	0.21	0.00			8
1660	462-G 2.0 C.Y.	2,309	0.43		0.15	0.29	0.00			11
1665	493-G 3.0 C.Y.	3,274	0.60		0.21	0.40	0.00			19
1670	4123-G 4.0 C.Y.	4,143	0.75		0.25	0.50	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.	6,169	1.13		0.39	0.76	0.00			19
1685	450-A 1.5 C.Y.	6,419	1.18		0.40	0.79	0.00			21
1690	460-A 2.0 C.Y.	6,662	1.22		0.42	0.82	0.00			23
1695	493-A 3.0 C.Y.	8,721	1.60		0.55	1.07	0.00			42
1700	4139-A 4.0 C.Y.	9,048	1.66		0.56	1.11	0.00			52
1705	4200-A 6.0 C.Y. DBL. COMPT.	13,089	2.39		0.81	1.60	0.00			72
1710	4250-A 8.0 C.Y. DBL. COMPT.	15,671	2.87		0.98	1.92	0.00			80
	LAYDOWN - HEAVY DUTY - AIR GATE									
1720	425-A 1.0 C.Y.	7,043	1.30		0.44	0.87	0.00			26
1725	465-A 2.0 C.Y.	7,977	1.46		0.50	0.98	0.00			31
1730	495-A 3.0 C.Y.	9,100	1.66		0.56	1.11	0.00			40
1735	4125-A 4.0 C.Y.	10,120	1.85		0.63	1.24	0.00			49
1740	4155-A 5.0 C.Y.	11,848	2.17		0.74	1.45	0.00			60
	BUCKETS, DRAGLINE									
	HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED									
1755	.75 C.Y.	3,155	0.59	0.74	0.20	0.40	0.00	0.47	0.00	15
1760	1.0 C.Y.	3,740	0.70	0.88	0.23	0.47	0.00	0.56	0.00	18
1765	1.5 C.Y.	4,562	0.86	1.07	0.29	0.58	0.00	0.68	0.00	26
1770	2.0 C.Y.	5,389	1.01	1.27	0.34	0.68	0.00	0.80	0.00	32
1775	2.5 C.Y.	6,330	1.18	1.49	0.40	0.80	0.00	0.94	0.00	37
1780	3.0 C.Y.	7,804	1.46	1.83	0.49	0.99	0.00	1.16	0.00	46
1785	3.5 C.Y.	8,634	1.61	2.03	0.54	1.09	0.00	1.28	0.00	50
1790	4.0 C.Y.	10,513	1.97	2.47	0.66	1.33	0.00	1.56	0.00	65
1795	4.5 C.Y.	11,163	2.09	2.63	0.70	1.41	0.00	1.66	0.00	69
1800	5.0 C.Y.	13,471	2.52	3.17	0.84	1.70	0.00	2.00	0.00	85

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	BUCKETS, DRAGLINE (CONT'D)									
	HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED (CONT'D)									
1805	6.0 C.Y.	14,607	2.73	3.43	0.91	1.85	0.00	2.17	0.00	90
1810	7.0 C.Y.	15,967	2.98	3.75	0.99	2.01	0.00	2.37	0.00	101
1815	8.0 C.Y.	17,701	3.30	4.16	1.10	2.23	0.00	2.63	0.00	112
1820	9.0 C.Y.	20,446	3.82	4.81	1.28	2.58	0.00	3.04	0.00	128
1825	10.0 C.Y.	22,216	4.14	5.22	1.38	2.80	0.00	3.30	0.00	139
1830	12.0 C.Y.	27,318	5.10	6.42	1.70	3.45	0.00	4.06	0.00	166
1835	14.0 C.Y.	31,412	5.86	7.39	1.95	3.96	0.00	4.67	0.00	191
	HENDRIX - MODEL TS, MEDIUM WEIGHT									
1845	.75 C.Y.	3,677	0.68	0.86	0.23	0.46	0.00	0.54	0.00	17
1850	1.0 C.Y.	4,522	0.84	1.06	0.28	0.57	0.00	0.67	0.00	19
1855	1.5 C.Y.	5,571	1.04	1.30	0.35	0.70	0.00	0.82	0.00	28
1860	2.0 C.Y.	6,640	1.24	1.56	0.41	0.84	0.00	0.99	0.00	36
1865	2.5 C.Y.	7,654	1.42	1.80	0.47	0.96	0.00	1.14	0.00	41
1870	3.0 C.Y.	9,150	1.70	2.15	0.57	1.15	0.00	1.36	0.00	49
1875	3.5 C.Y.	10,107	1.88	2.37	0.63	1.27	0.00	1.50	0.00	54
1880	4.0 C.Y.	12,124	2.26	2.85	0.76	1.53	0.00	1.80	0.00	70
1885	4.5 C.Y.	12,972	2.43	3.04	0.81	1.64	0.00	1.92	0.00	72
1890	5.0 C.Y.	16,627	3.11	3.91	1.04	2.10	0.00	2.47	0.00	93
1895	6.0 C.Y.	17,182	3.20	4.04	1.07	2.16	0.00	2.55	0.00	96
1900	7.0 C.Y.	19,610	3.66	4.61	1.22	2.47	0.00	2.91	0.00	111
1905	8.0 C.Y.	21,590	4.03	5.08	1.34	2.72	0.00	3.21	0.00	122
1910	9.0 C.Y.	25,843	4.82	6.07	1.61	3.26	0.00	3.83	0.00	149
1915	10.0 C.Y.	27,519	5.14	6.46	1.71	3.47	0.00	4.08	0.00	159
1920	12.0 C.Y.	35,075	6.54	8.24	2.18	4.42	0.00	5.21	0.00	202
1925	14.0 C.Y.	39,056	7.29	9.18	2.43	4.93	0.00	5.80	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.	14,695	2.74	3.46	0.91	1.85	0.00	2.19	0.00	69
1940	3.0 C.Y.	15,281	2.85	3.59	0.95	1.92	0.00	2.27	0.00	72
1945	3.5 C.Y.	17,109	3.20	4.02	1.07	2.16	0.00	2.54	0.00	81
1950	4.0 C.Y.	22,882	4.28	5.38	1.43	2.89	0.00	3.40	0.00	110
1955	4.5 C.Y.	25,582	4.78	6.01	1.60	3.23	0.00	3.80	0.00	123
1960	5.0 C.Y.	26,417	4.93	6.21	1.64	3.33	0.00	3.93	0.00	127
1965	6.0 C.Y.	28,287	5.28	6.65	1.76	3.57	0.00	4.20	0.00	136
1970	7.0 C.Y.	35,960	6.72	8.45	2.24	4.54	0.00	5.34	0.00	175
1975	8.0 C.Y.	36,986	6.90	8.69	2.30	4.66	0.00	5.49	0.00	180
1980	9.0 C.Y.	47,029	8.78	11.05	2.92	5.93	0.00	6.98	0.00	234
1985	10.0 C.Y.	48,837	9.12	11.47	3.04	6.16	0.00	7.25	0.00	243
1990	12.0 C.Y.	58,085	10.84	13.64	3.61	7.32	0.00	8.62	0.00	289
1995	14.0 C.Y.	61,648	11.51	14.48	3.84	7.78	0.00	9.15	0.00	309
	SAUERMAN - CRESCENT SCRAPER									
	WITH DRAGLINE CONVERSION KIT									
2005	SC-1050-K 1.0 C.Y.	10,060	1.88	2.36	0.63	1.27	0.00	1.49	0.00	15
2010	SC-1060-K 1.5 C.Y.	12,882	2.41	3.02	0.81	1.63	0.00	1.91	0.00	20
2015	SC-1070-K 2.0 C.Y.	17,664	3.30	4.15	1.10	2.23	0.00	2.62	0.00	25
2020	SC-1090-K 3.0 C.Y.	23,358	4.35	5.49	1.45	2.94	0.00	3.47	0.00	36
2025	SC-1100-K 4.0 C.Y.	34,929	6.52	8.20	2.18	4.41	0.00	5.18	0.00	49
2030	SC-1110-K 5.0 C.Y.	39,821	7.44	9.35	2.48	5.03	0.00	5.91	0.00	58
2035	SC-1120-K 6.0 C.Y.	48,270	9.01	11.33	3.00	6.09	0.00	7.16	0.00	68
2040	SC-1130-K 8.0 C.Y.	58,630	10.95	13.78	3.65	7.40	0.00	8.71	0.00	88
2045	SC-1140-K 10.0 C.Y.	71,139	13.29	16.71	4.43	8.98	0.00	10.56	0.00	106
2050	SC-1150-K 12.0 C.Y.	82,506	15.40	19.39	5.13	10.40	0.00	12.25	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	1,653	0.94		0.13	0.29	0.32			1
2065	GVR75Y WACKER RAMMER 3 HP G	1,301	0.83		0.10	0.23	0.32			1
2070	GVR100 WACKER RAMMER 5 HP G	1,767	1.24		0.14	0.31	0.53			1
2075	GVR151Y WACKER RAMMER 5 HP G	2,285	1.41		0.18	0.40	0.53			2
2080	GVR220Y WACKER RAMMER 6 HP G	2,954	1.76		0.23	0.52	0.64			2
2085	VPG160B WACKER VIBRO PLATE 3 HP G	1,141	0.78		0.09	0.20	0.32			2
2090	VPG260K WACKER VIBRO PLATE 7 HP G	1,786	1.52		0.14	0.32	0.75			3
2095	BT-50 BOMAG TAMPING 4 HP G	1,717	1.10		0.14	0.31	0.43			1
2100	BT-70 BOMAG TAMPING 4 HP G	2,138	1.24		0.17	0.38	0.43			2
2105	BP-11K BOMAG VIBRO PLATE 4 HP G	1,464	1.02		0.12	0.26	0.43			3
2110	BP-19/75 BOMAG VIBRO PLATE 5 HP D	3,039	1.33		0.24	0.54	0.26			4
2115	BP-30 BOMAG VIBRO PLATE 5 HP D	5,219	2.05		0.41	0.93	0.26			5
2120	BP-50 BOMAG VIBRO PLATE 5 HP D	9,118	3.33		0.71	1.61	0.26			9
2125	BW-75E BOMAG WALK BEHIND S/D 5 HP D	7,044	2.65		0.55	1.25	0.26			10
2130	BW-35 BOMAG WALK BEHIND D/D 4 HP D	8,752	3.16		0.69	1.55	0.21			11
2135	BW-60SE BOMAG D/D ROLLER 8 HP D	12,113	4.53		0.95	2.15	0.42			20
2140	BW-90SE BOMAG D/D ROLLER 13 HP D	15,008	5.81		1.18	2.66	0.68			30
2145	VPG600 WACKER VIBRO PLATE 9 HP G	3,355	2.30		0.26	0.59	0.96			7
2150	DPS2350 WACKER VIBRO PLATE 7 HP D	3,555	1.64		0.28	0.63	0.37			4
2155	DPS4570 WACKER VIBRO PLATE 10 HP D	5,702	2.54		0.45	1.01	0.52			8
2160	DVU4001 WACKER VIBRO PLATE 10 HP D	11,678	4.51		0.92	2.07	0.52			13
2165	W 55 T WACKER D/D ROLLER 8 HP D	11,225	4.24		0.88	1.99	0.42			17
2170	W 74 T WACKER D/D ROLLER 8 HP D	12,665	4.71		0.99	2.24	0.42			19
	CONCRETE BUGGIES - AEROIL **********									
2180	5 CF WALK-BEHIND 5 HP G	1,542	1.01		0.12	0.27	0.42			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	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 F46B4 GYRO TROWEL	7 HP	G	1,458	1.21		0.12	0.26	0.58			2
2195	MOD RF2B4 DOUBLTROWEL	16 HP	G	5,752	3.49		0.45	1.02	1.33			7
2200	MOD RF3B3 TRIPLTROWEL	16 HP	G	7,417	3.98		0.58	1.31	1.33			9
	CONCRETE MIXERS											
2210	PORTABLE CONCRETE MIXER 2.5 CF	1 HP	E	646	0.26		0.05	0.10	0.05			2
2215	PORTABLE CONCRETE MIXER 3.5 CF	1 HP	E	661	0.26		0.05	0.10	0.05			3
2220	PORTABLE CONCRETE MIXER 6.0 CF	7 HP	G	1,985	1.35		0.15	0.33	0.58			7
2225	PORTABLE MORTAR MIXER 6.0 CF	7 HP	G	1,590	1.23		0.12	0.26	0.58			6
	CONCRETE PAVERS											
	CMI											
2235	MOD SF - 175 SLIPFORM PAVER CURBS, MEDIANS, AND SIDEWALKS	142 HP	D	131,383	33.22		8.19	16.09	5.34			263
2240	MOD SF - 250 26' WIDE SLIPFORM UNIT, 0-80 FT/MIN, CRAWLER MTD.	208 HP	D	233,026	56.80		14.51	28.53	7.82			470
2245	MOD SUBURBAN 25' WIDE SLIPFORM UNIT, 0-60 FT/MIN, CRAWLER MTD.	250 HP	D	412,320	94.82		25.68	50.48	9.40			720
	GOMACO											
2255	MOD C-650 24' WIDE FORM PAVER W/4' FINISHING CYLINDERS	65 HP	G	26,663	12.00		1.66	3.25	5.02			91
2260	MOD HW-165 16'-6" WIDE SLIPFORM UNIT, AUTO VIBRATORS, CRLR MTD	100 HP	D	119,700	28.84		7.45	14.65	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	23,700	6.55		1.60	3.20	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	26,345	7.76		1.78	3.58	1.11			60

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	CONCRETE PLACERS, SHOTCRETE (CONT'D)									
	ALLENTOWN (CONT'D)									
2280	GM27 ROTARY GUN 1-4 CY/HR 400CFM A INCL. HOSE,REQ. 400 CFM COMP.	9,825	2.56		0.67	1.35	0.00			15
2285	GM57 ROTARY GUN 4-12 CY/HR 600CFM A INCL. HOSE,REQ. 600 CFM COMP.	15,773	4.11		1.08	2.17	0.00			30
	CHALLENGE SQUEEZ-CRETE									
2295	250-D FOR WET SHOTCRETE 25 CY/HR 62 HP D TRAILER MOUNTED INCL. HOSE	42,576	14.65		2.89	5.82	3.44			70
	CONCRETE PUMPS									
	MORGEN									
2305	MOD 204-305 TRAILER MTD 60 CY/HR 110 HP D	54,339	20.89		3.69	7.44	6.10			70
2310	MOD 203-420 BOOM 72'-VT 120 CY/HR 210 HP D INCLUDES 24500 GVW TRUCK	138,388	50.52		9.37	18.85	13.41			255
	SCHWING									
2320	MOD BPA 350 TRAILER MTD 60 CY/HR 67 HP D	48,093	16.33		3.27	6.58	3.71			66
2325	MOD BPA 650 TRAILER MTD 60 CY/HR 152 HP D	75,245	28.90		5.10	10.24	8.43			98
2330	MOD BPA 901 TRAILER MTD 135 CY/HR 152 HP D	77,320	29.40		5.23	10.52	8.43			98
2335	MOD BPL 580 TRUCK MTD 72 CY/HR 175 HP D INCLUDING TRUCK AND 75' BOOM	146,134	49.61		9.86	19.74	11.17			302
2340	MOD BPL 801 TRUCK MTD 107 CY/HR 175 HP D INCLUDING TRUCK AND 92' BOOM	213,139	65.73		14.40	28.91	11.17			321
2345	MOD BPL1201 TRUCK MTD 147 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM	266,033	83.76		17.98	36.08	15.26			408
2350	MOD BPL3000 TRUCK MTD 118 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM	269,144	84.50		18.19	36.50	15.26			408

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CONRETE SAWS									
	FELKER (SAWBLADE WEAR NOT INCLUDED)									
2360	MOD 8KCC 5" DEPTH OF CUT 8 HP G	1,247	1.42		0.08	0.17	0.85			3
2365	MOD 12WCC 5" DEPTH OF CUT 12 HP G	1,436	2.04		0.10	0.20	1.28			3
2370	MOD 14TCC 5" DEPTH OF CUT 14 HP G	1,489	2.33		0.10	0.21	1.49			3
2375	MOD 140MR 8" DEPTH OF CUT 14 HP G	3,401	2.81		0.24	0.49	1.49			6
2380	MOD 185MR 8" DEPTH OF CUT 18 HP G	4,499	3.64		0.31	0.64	1.92			7
2385	MOD 250MR 8" DEPTH OF CUT 23 HP G	4,569	4.35		0.31	0.65	2.45			7
2390	MOD 30MCA 10" DEPTH OF CUT 30 HP G	7,580	6.08		0.52	1.08	3.19			12
2395	MOD 665MCA 15" DEPTH OF CUT 65 HP G	9,278	11.41		0.63	1.32	6.92			14
	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)	180,307	32.35	39.30	10.52	19.44	2.76	21.94	3.50	635
	MOD 597-C 1.25 CY T/C 114 HP D 14'-7" CRAWLERS W/32" SHOES									
2410	DRAGLINE OR CLAMSHELL (LESS BUCKET)	246,279	39.20	45.95	13.40	23.15	3.39	25.25	4.29	814
2415	CRANE 35-T W/65' BOOM	253,998	36.39	41.82	13.82	23.87	2.71	26.04	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	268,745	38.31	44.00	14.62	25.25	2.71	27.54	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	284,166	40.34	46.28	15.46	26.71	2.71	29.12	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	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, SHOVEL,B/H,DRAGLINE (CONT'D) **********									
	AMERICAN - CRAWLER TYPE (CONT'D)									
	MOD 797-C 2 CY T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES									
2445	DRAGLINE OR CLAMSHELL (LESS BUCKET)	342,704	54.86	64.35	18.64	32.20	4.99	35.13	6.32	1278
2450	CRANE 40-T W/75' BOOM	335,689	48.57	55.90	18.26	31.54	3.99	34.41	5.16	1262
	MOD 7250 STEEL ERECTOR T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES									
2460	CRANE 60-T W/80' BOOM	357,669	47.78	53.84	18.51	30.31	3.99	32.37	5.16	1421
	MOD 7260 LIFTING CRANE T/C 168 HP D 19'-6" CRAWLERS W/38" SHOES									
2470	CRANE 100T W/200' BOOM	455,150	59.52	66.86	23.56	38.57	3.99	41.20	5.16	1886
	MOD 999-C STEEL ERECTOR T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES									
2480	CRANE 110-T W/200' BOOM	598,313	80.09	90.29	30.97	50.70	6.82	54.16	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	624,196	83.22	93.74	32.31	52.90	6.82	56.50	8.81	3150
2495	DRAGLINE OR CLAMSHELL (LESS BUCKET)	598,576	87.40	100.19	31.46	49.90	8.52	53.13	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	708,946	93.42	105.05	36.70	60.08	6.82	64.17	8.81	3400
	MOD 9299 LIFTING CRANE T/C 287 HP D 24'-11" CRAWLERS W/44" SHOES									
2515	CRANE 165T W/290' BOOM	737,552	93.42	103.84	37.86	58.31	6.82	61.49	8.81	3580
	MOD 9310 LIFTING CRANE T/C 287 HP D 28'-2" CRAWLERS W/50" SHOES									
2525	CRANE 225T W/280' BOOM	797,473	100.35	111.43	40.93	63.04	6.82	66.49	8.81	3990

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, SHOVEL,B/H,DRAGLINE (CONT'D)									
	BUCYRUS ERIE - CRAWLER TYPE									
	MOD 25-B SER-3 HVY DUTY 1 CY 115 HP D 13'-11" CRAWLERS W/30" SHOES									
2540	DRAGLINE OR CLAMSHELL (LESS BUCKET)	189,204	34.55	42.01	11.04	20.40	3.42	23.02	4.33	647
2545	CRANE 28-T W/50' BOOM	200,116	29.37	33.86	10.89	18.81	2.73	20.51	3.53	651
	MOD 30-B SER 5 HVY DUTY 1.5 CY 144 HP D 14'-7" CRAWLERS W/36" SHOES									
2555	BACKHOE	261,358	56.87	71.94	16.28	31.80	4.99	37.23	6.56	792
2560	DRAGLINE OR CLAMSHELL (LESS BUCKET)	256,479	41.70	48.98	13.95	24.10	4.28	26.29	5.42	833
2565	CRANE 35-T W/60' BOOM	257,746	37.72	43.45	14.02	24.22	3.42	26.41	4.42	831
	MOD 38-B SER 2 HVY DUTY 2 CY T/C 178 HP D 17'-5" CRAWLERS W/36" SHOES									
2575	SHOVEL	364,189	78.31	99.02	22.69	44.31	6.17	51.87	8.11	1279
2580	DRAGLINE OR CLAMSHELL (LESS BUCKET)	370,356	59.16	69.39	20.15	34.80	5.29	37.96	6.70	1192
	MOD 61-B SER 2 3.25 CY T/C 205 HP D 15'-11" CRAWLERS W/33" SHOES									
2590	SHOVEL	528,240	103.21	125.75	30.64	58.49	7.10	66.28	9.34	1762
2595	BACKHOE	505,745	99.17	120.87	29.33	56.00	7.10	63.46	9.34	1727
2600	DRAGLINE OR CLAMSHELL (LESS BUCKET)	511,605	73.31	83.84	26.90	42.66	6.09	45.41	7.71	1570
2605	CRANE 51-T W/70' BOOM	503,514	66.38	74.65	26.07	42.67	4.87	45.58	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	626,352	82.23	92.43	32.43	53.08	5.77	56.70	7.46	2123
2620	DRAGLINE OR CLAMSHELL (LESS BUCKET)	598,043	85.81	98.15	31.43	49.86	7.22	53.08	9.14	1973
	MOD 71-B SER 3 4.25 CY T/C 246 HP D 16'-10" CRAWLERS W/36" SHOES									
2630	SHOVEL	639,452	124.84	152.10	37.08	70.80	8.52	80.23	11.20	2096
2635	BACKHOE	605,369	118.72	144.70	35.10	67.02	8.52	75.95	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	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)	588,743	84.71	96.93	30.95	49.08	7.31	52.26	9.25	1768
	MOD 88-B SER 4 5.5 CY T/C 365 HP D 17'-10" CRAWLERS W/36" SHOES									
2650	SHOVEL	892,440	168.65	193.45	49.07	89.40	12.65	98.80	16.62	2822
2655	DRAGLINE OR CLAMSHELL (LESS BUCKET)	720,748	102.83	116.69	36.99	56.98	10.84	60.09	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	195,394	28.61	32.98	10.63	18.36	2.61	20.03	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	297,806	40.49	45.72	15.42	25.24	3.92	26.95	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	410,773	54.23	61.00	21.27	34.81	4.04	37.18	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	655,703	85.82	96.41	33.94	55.56	5.82	59.35	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)	428,481	65.42	75.33	22.52	35.72	8.52	38.03	10.80	2306
2720	CRANE 100T W/210' BOOM	464,138	63.94	72.37	24.02	39.33	6.82	42.01	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)	545,893	82.22	94.52	28.70	45.51	9.89	48.45	12.53	2763
2735	CRANE 140T W/250' BOOM	552,866	75.90	85.87	28.62	46.85	7.91	50.04	10.22	2815
	MOD 4100W VICON SER1 5 CY T/C 360 HP D 26'-6" CRAWLERS W/48" SHOES									
2745	DRAGLINE OR CLAMSHELL (LESS BUCKET)	725,929	106.42	122.03	38.16	60.52	10.69	64.43	13.54	3788
2750	CRANE 200T W/260' BOOM	734,555	95.12	106.09	37.71	58.08	8.55	61.23	11.05	3929
	MOD 4600 VICON SERIES 1 7 CY T/C 685 HP D 26'-1" CRAWLERS W/50" SHOES									
2760	CRANE 240T W/260' BOOM	1,130,721	150.09	168.05	58.04	89.39	16.28	94.27	21.02	5095
2765	DRAGLINE OR CLAMSHELL (LESS BUCKET)	1,152,123	167.93	191.04	59.14	91.09	20.34	96.05	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)	256,865	45.04	53.20	13.97	24.13	7.07	26.33	8.95	954
2785	CRANE 45-T W/60' BOOM	253,987	39.86	46.29	13.82	23.87	5.65	26.03	7.30	947
	MOD 80-D 2.5 CY T/C 263 HP D 15'-10" CRAWLERS W/30" SHOES									
2795	SHOVEL	432,615	95.13	120.39	26.95	52.63	9.11	61.61	11.98	1510
2800	DRAGLINE OR CLAMSHELL (LESS BUCKET)	371,248	62.27	73.29	20.20	34.89	7.81	38.05	9.89	1274
2805	CRANE 40-T W/50' BOOM	367,260	55.35	64.00	19.98	34.51	6.25	37.64	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)	463,928	69.18	79.45	24.39	38.68	7.81	41.18	9.89	1580
2820	CRANE 60-T W/50' BOOM	459,921	62.75	70.92	23.81	38.97	6.25	41.63	8.07	1565

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, SHOVEL,B/H,DRAGLINE (CONT'D)									
	NORTHWEST - CRAWLER TYPE (CONT'D)									
	MOD 180-D SERIES 2 5 CY T/C 358 HP D 18'-1" CRAWLERS W/36" SHOES									
2830	SHOVEL	715,751	143.11	174.68	41.50	79.24	12.40	89.80	16.30	2571
2835	DRAGLINE OR CLAMSHELL (LESS BUCKET)	644,951	95.89	110.11	33.90	53.77	10.63	57.25	13.47	2365
2840	CRANE 97.5-T W/170' BOOM	667,762	90.44	102.12	34.56	56.58	8.51	60.44	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)	679,591	99.97	113.84	34.88	53.73	12.77	56.66	16.18	2740
2855	CRANE 100-T W/170' BOOM	722,380	99.05	112.03	37.39	61.22	10.22	65.39	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)	296,774	47.32	55.49	16.15	27.89	4.16	30.42	5.27	989
2875	CRANE 60-T W/80' BOOM	301,864	40.28	45.37	15.63	25.58	3.33	27.32	4.30	1157
	MOD 670WLC 2 CY T/C 198 HP D 18'-6" CRAWLERS W/30" SHOES									
2885	DRAGLINE OR CLAMSHELL (LESS BUCKET)	370,353	59.86	70.27	20.15	34.80	5.88	37.96	7.45	1344
2890	CRANE 70-T W/150' BOOM	379,893	51.30	57.88	19.67	32.20	4.70	34.38	6.08	1466
	MOD 5100 3 CY T/C 236 HP D 21'-6" CRAWLERS W/36" SHOES									
2895	DRAGLINE OR CLAMSHELL (LESS BUCKET)	445,588	65.85	75.57	23.42	37.14	7.01	39.55	8.88	1775
2900	CRANE 100-T W/210' BOOM	461,597	62.21	70.17	23.90	39.12	5.61	41.78	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	1,382,979	170.68	188.89	70.99	109.34	8.98	115.30	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	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, HYDRAULIC SELF-PROPELLED									
	GROVE									
2915	MOD RT58A 14 TON 112 HP D	106,070	19.86		5.60	9.35	4.21			410
2920	MOD RT515 15 TON 115 HP D	113,841	21.02		6.02	10.05	4.33			418
2925	MOD RT518 18 TON 115 HP D	128,810	23.21		6.80	11.33	4.33			452
2930	MOD RT522 22 TON 115 HP D	140,970	24.84		7.45	12.42	4.33			498
2935	MOD RT625 25 TON 156 HP D	188,132	32.64		9.94	16.60	5.87			560
2940	MOD RT740 40 TON 170 HP D	262,490	44.33		13.83	23.02	6.40			758
2945	MOD RT755 55 TON 170 HP D	313,213	51.53		16.48	27.38	6.40			839
2950	MOD RT865 65 TON 208 HP D	385,512	62.98		20.33	33.85	7.82			1100
2955	MOD RT980 80 TON 230 HP D	497,887	79.96		26.21	43.53	8.65			1320
2960	MOD RT1650 165 TON 512 HP D	939,907	153.79		49.58	82.56	19.26			2400
	LORAIN									
2970	MOD LRT150 15 TON 120 HP D	109,683	20.48		5.82	9.78	4.51			438
2975	MOD LRT180 18 TON 120 HP D	118,179	21.59		6.28	10.55	4.51			450
2980	MOD LRT220 22 TON 120 HP D	126,443	22.67		6.72	11.30	4.51			468
	P & H									
2990	MOD OMEGA 15 15 TON 125 HP D	110,393	20.81		5.86	9.84	4.70			364
2995	MOD OMEGA 18 18 TON 125 HP D	113,519	21.23		6.03	10.13	4.70			370
3000	MOD OMEGA 20 20 TON 125 HP D	117,496	21.74		6.24	10.48	4.70			380
3005	MOD OMEGA 23 23 TON 125 HP D	133,854	24.15		7.08	11.85	4.70			425
3010	MOD OMEGA 25 25 TON 155 HP D	171,548	30.76		9.08	15.18	5.83			540
3015	MOD OMEGA 30 30 TON 155 HP D	176,629	31.42		9.35	15.64	5.83			550
3020	MOD OMEGA 35 35 TON 155 HP D	182,645	32.20		9.67	16.18	5.83			560
3025	MOD OMEGA 40 40 TON 202 HP D	246,108	43.73		12.96	21.54	7.60			760
3030	MOD OMEGA 45 45 TON 202 HP D	254,785	44.87		13.43	22.33	7.60			770
3035	MOD OMEGA 50 50 TON 202 HP D	264,323	46.11		13.94	23.19	7.60			780
3040	MOD OMEGA 65 65 TON 235 HP D	340,495	58.41		17.92	29.77	8.84			980

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	CRANES, HYD SELF-PROPELLED (CONT'D)									
	PETTIBONE									
3050	MOD 16 MK P SERIES 8 TON 118 HP D	98,566	18.87		5.24	8.80	4.44			290
3055	MOD 20 MK P SERIES 10 TON 118 HP D	101,596	19.33		5.39	9.05	4.44			310
3060	MOD 25 MK P SERIES 12.5 TON 118 HP D	105,104	19.78		5.57	9.36	4.44			465
3065	MOD 36 MK P SERIES 18 TON 118 HP D	121,709	22.23		6.44	10.76	4.44			500
3070	MOD 100SC 50 TON 188 HP D	276,088	46.97		14.56	24.25	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	202,530	31.85	36.74	10.43	16.94	6.33	18.08	8.11	552
3085	60-XC 60 TON W/104' BOOM 197/238 HP D/D	352,617	52.70	60.56	18.19	29.61	9.04	31.61	11.65	783
	GROVE									
3095	TMS185 18 TON W/106' BOOM 172 HP D	189,849	32.10	37.95	10.28	17.66	6.47	19.26	8.51	442
3100	TMS300 35 TON W/112' BOOM 203 HP D	229,827	36.78	42.84	11.83	19.21	7.64	20.50	10.05	705
3105	TMS475 50 TON W/142' BOOM 213 HP D	286,386	43.77	50.69	14.76	24.00	8.01	25.61	10.54	776
3110	TM875 80 TON W/146' BOOM 196/268 HP D/D	424,465	61.00	69.40	21.25	33.37	9.21	35.27	11.84	1200
3115	TM1150 115 TON W/172' BOOM 196/315 HP D/D	653,662	87.14	98.06	32.82	51.74	9.53	54.69	12.22	1600
3120	TM1400 140 TON W/173' BOOM 318/387 HP D/D	767,944	105.02	118.25	37.72	57.88	14.61	60.70	18.83	1880
	LINK BELT (FMC)									
3130	HTC-25 25 TON W/95' BOOM 216 HP D	187,714	34.00	40.48	10.16	17.43	8.13	19.00	10.69	462
3135	HTC-35 35 TON W/108' BOOM 216 HP D	220,703	36.15	42.27	11.38	18.51	8.13	19.76	10.69	628
3140	HTC-50 50 TON W/122' BOOM 244 HP D	269,263	43.17	50.32	13.88	22.59	9.18	24.11	12.08	727
	PETTIBONE									
3150	50TKLSPC 25 TON W/98' BOOM 210 HP D	194,115	34.45	40.92	10.52	18.07	7.90	19.70	10.39	520
3155	80TKLS 40 TON W/112' BOOM 244 HP D	247,804	40.76	47.66	12.76	20.74	9.18	22.14	12.08	740
3160	110 TK P 55 TON W/114' BOOM 238 HP D	268,105	42.81	49.88	13.81	22.46	8.95	23.98	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	434,527	67.83	78.48	21.76	34.18	13.73	36.12	18.07	1395
	CRANES, TRUCK MOUNTED									
	(HP & FUEL LISTED EQUIP/CARRIER)									
	AMERICAN									
3175	5470 65 TON W/170' BOOM 115/238 HP D/D	364,826	50.71	57.64	18.76	30.44	5.95	32.49	7.59	1175
3180	5530 75 TON W/170' BOOM 115/238 HP D/D	375,897	50.86	57.30	18.85	29.69	5.95	31.39	7.59	1245
3185	7460 90 TON W/200' BOOM 213/230 HP D/D	461,536	65.05	73.86	23.18	36.56	9.59	38.64	12.38	1503
3190	7530 125 TON W/220' BOOM 213/350 HP D/D	528,068	73.88	83.67	26.50	41.77	10.41	44.15	13.34	1696
3195	8460 165 TON W/240' BOOM 268/350 HP D/D	738,731	98.30	110.22	36.35	55.92	12.48	58.66	16.06	2320
3200	9460 220 TON W/260' BOOM 287/450 HP D/D	992,370	129.95	145.28	48.71	74.62	13.87	78.25	17.80	3480
	LINK BELT (FMC)									
3210	HC108C 50 TON W/150' BOOM 110/238 HP D/D	309,435	44.10	50.25	15.91	25.76	5.77	27.48	7.34	1197
3215	HC218A 100 TON W/220' BOOM 165/318 HP D/D	508,663	68.96	77.73	25.55	40.29	8.38	42.58	10.71	1688
3220	HC238A 140 TON W/230' BOOM 171/318 HP D/D	572,926	75.23	84.08	28.16	43.25	8.61	45.37	11.00	2220
	LORAIN									
3230	MC550A 50 TON W/160' BOOM 115/246 HP D/D	333,825	47.21	53.76	17.16	27.82	6.01	29.68	7.66	1111
3235	MC670A 70 TON W/170' BOOM 150/250 HP D/D	383,527	53.47	60.54	19.24	30.30	7.35	32.03	9.42	1243
3240	MC790 90 TON W/220' BOOM 210/270 HP D/D	469,016	66.22	75.17	23.54	37.11	9.75	39.22	12.55	1594
3245	MC1400 140 TON W/230' BOOM 220/290 HP D/D	571,908	77.19	86.68	28.11	43.17	10.26	45.27	13.20	1950
	P & H									
3255	325TC 25 TON W/110' BOOM 83/190 HP D/D	232,974	35.01	40.55	12.62	21.67	4.42	23.62	5.62	645
3260	430ATC 35 TON W/150' BOOM 86/210 HP D/D	261,183	36.53	41.53	13.47	21.92	4.67	23.39	5.93	763
3265	440TC 40 TON W/170' BOOM 90/228 HP D/D	292,707	40.68	46.18	15.08	24.52	4.95	26.17	6.27	964
3270	650ATC 50 TON W/150' BOOM 135/236 HP D/D	376,805	53.02	60.40	19.39	31.46	6.69	33.57	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	423,237	57.27	64.55	21.24	33.49	6.82	35.40	8.72	1440
3280	790BTC 90 TON W/200' BOOM 160/350 HP D/D	463,657	64.13	72.44	23.25	36.61	8.41	38.69	10.71	1606
3285	9115 125 TON W/220' BOOM 179/350 HP D/D	567,283	76.66	86.37	28.48	44.91	9.13	47.48	11.65	1709
3290	9150 150 TON W/270' BOOM 210/350 HP D/D	601,471	80.48	90.25	29.57	45.43	10.29	47.66	13.19	1805
3295	6250TC 300 TON W/320' BOOM 364/450 HP D/D	1,316,698	168.10	187.32	64.80	99.72	16.77	104.61	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	267,709	43.37		14.07	22.32	3.51			740
	OPT. 14'9-1/4" S16 TOWER SECT									
3310	ADD TO BASIC CRANE FOR EA SECT	11,347	1.41		0.60	0.95	0.00			51
3315	TOP CLIMBING OPT. ADD TO BASIC	42,713	5.30		2.25	3.56	0.00			118
	MODEL SK200 FREE STANDING 105 HP E 10600# @ 143' RADIUS (L-2)									
3320	7-S16 TOWER SECTS=103 FT HIGH	336,822	55.90		17.70	28.08	6.14			883
	14'9-1/4" S16 TOWER SECTION									
3325	ADD TO BASIC CRANE FOR EA SECT	11,347	1.41		0.60	0.95	0.00			51
3330	TOP CLIMBING OPT. ADD TO BASIC	42,713	5.30		2.25	3.56	0.00			118
	MODEL SK400 FREE STANDING 105 HP E 18500# @ 162' RADIUS (L-2)									
3335	6-S35 TOWER SECTS=116 FT HIGH	411,608	65.19		21.64	34.32	6.14			1216
	OPT. 19'4-1/4" S35 TOWER SECT.									
3340	ADD TO BASIC CRANE FOR EA SECT	14,183	1.76		0.75	1.18	0.00			84

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	CRANES, TOWER (CONT'D) **********									
	AMERICAN PECCO (CONT'D)									
	OPT. 19'4-1/4" S35 TOWER SECT.									
3345	TOP CLIMBING OPT. ADD TO BASIC	43,325	5.38		2.28	3.61	0.00			223
	MODEL SK560 FREE STANDING 165 HP E 24500# @ 170' RADIUS (L-2)									
3350	6-S213 TOWER SECTS=116 FT HIGH	476,094	78.46		25.02	39.69	9.65			1547
	OPT. 19'4-1/4" S213 TOWER SECT									
3355	ADD TO BASIC CRANE FOR EA SECT	15,032	1.87		0.80	1.26	0.00			100
3360	TOP CLIMBING OPT. ADD TO BASIC	84,198	10.45		4.43	7.02	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	501,742	81.64		26.37	41.83	9.65			2152
	OPT. 19'4-1/4" SN35 TOWER SECT									
3370	ADD TO BASIC CRANE FOR EA SECT	14,183	1.76		0.75	1.18	0.00			84
3375	TOP CLIMBING OPT. ADD TO BASIC	88,756	11.02		4.66	7.40	0.00			159
	DRILLS, BLAST HOLE, CRAWLER MTD **********									
	GARDNER DENVER									
3385	AT3100B/PR123J 3.0" HOLE 12' FEED 600CFM A	71,371	14.85		4.45	8.70	0.00			91
3390	AT3100B/PR55 3.5" HOLE 12' FEED 750CFM A	65,455	13.81		4.08	7.98	0.00			93
3395	AT3100B/PR66 4.0" HOLE 12' FEED 900CFM A	74,584	15.84		4.65	9.09	0.00			95
3400	AT3700A/PR66 ANGLE DRILL 900CFM A 4.0" HOLE 12' FEED	87,932	18.54		5.48	10.71	0.00			146
3405	ATD5100/PR80H ANGLE DRILL 1200CFM A 4.5" HOLE 20' FEED	97,620	20.68		6.08	11.89	0.00			200

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	DRILLS, BLAST HOLE, CRLR MTD (CONT'D)									
	INGERSOLL-RAND									
3415	ECM350/VL140 4.0" HOLE 12' FEED 750CFM A	80,526	16.86		5.02	9.82	0.00			129
3420	ECM350/VL671 4.5" HOLE 12' FEED 900CFM A	87,834	18.50		5.48	10.71	0.00			131
3425	CM2000/VL170 5.0" HOLE 24' FEED1400CFM A	99,675	21.28		6.21	12.15	0.00			170
	JOY									
3435	RAM STD/VCR260 4.0" HOLE 12' FEED 800CFM A	71,946	15.17		4.48	8.76	0.00			100
3440	RAM EXT/VCR260 4.0" HOLE 12' FEED 800CFM A	81,630	17.14		5.08	9.94	0.00			144
3445	MUSTANG VCR280 5" HOLE 23' FEED1200CFM A	99,717	21.09		6.21	12.15	0.00			184
	DRILLS, CORE, AIR, COLUMN MOUNTED									
3455	LONGYEAR 24 WOLVERINE AX 700' 450CFM A	17,622	3.90		1.10	2.15	0.00			12
3460	LONGYEAR 65D EX 600' 400CFM A	11,331	2.61		0.71	1.38	0.00			3
3465	65D ROD PULLER 21" STROKE 400CFM A	1,685	0.59		0.10	0.20	0.00			1
	DRILLS, CORE, SKID MOUNTED									
	ACKER									
3475	TEREDO MARK-II NX 1000' MAX 44 HP D	26,548	7.94		1.66	3.24	2.05			40
3480	ACE MODEL C NX 725' MAX 20 HP D	18,477	4.91		1.15	2.25	0.93			45
	LONGYEAR									
3490	MOD 24 STD AX 675' MAX 12 HP G	16,770	4.73		1.04	2.04	1.14			17
3495	MOD 34 NX 1000' MAX 31 HP G	25,474	8.58		1.59	3.10	2.94			38
3500	MOD 34 NX 1000' MAX 40 HP D	30,380	8.48		1.89	3.70	1.86			39
3505	MOD 38 NX 1800' MAX 54 HP D	34,964	10.22		2.18	4.26	2.51			41
3510	MOD 44 NX 2500' MAX 60 HP D	41,935	11.99		2.61	5.11	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	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	15,978	5.23		1.00	1.95	1.71			18
3525	MOD 40-CL NX 1050' MAX 49 HP D	24,695	7.85		1.54	3.01	2.28			27
	DRILLS, ROTARY									
	INGERSOLL-RAND									
3535	MOD T4-BH 7-7/8" DRILLMASTER TRK. MOUNTED 304 HP D	312,458	64.88		16.93	29.16	14.15			550
	JOY-ROBBINS									
3545	RRT 35 TK MTD 6-1/4" TO 7-7/8" 225 HP D	291,148	57.13		15.76	27.14	10.47			600
3550	RRT 50 TK MTD 6-3/4" TO 9-0" 335 HP D	444,936	86.66		24.11	41.52	15.59			860
3555	RRT 60 TK MTD 6-3/4" TO 9-7/8" 350 HP D	473,226	91.73		25.64	44.18	16.29			960
3560	RR10S CRLR MTD 6-3/4" TO 9-0" 410 HP D	337,215	73.70		18.34	31.73	19.08			1160
3565	RR10HD ON D9 6-3/4" TO 10-5/8" 410 HP D	372,594	78.94		20.25	35.05	19.08			1340
3570	RR10XHD ON D9 9-7/8" TO 12-1/4" 410 HP D	563,344	91.77		28.39	45.17	19.08			1830
3575	RR12E CRLR MTD 9-0" TO 12-1" 725/450 HP E/E	1,043,044	154.35		52.57	83.63	32.99			2605
	FORK LIFTS									
	CATERPILLAR									
	LC = LOAD CENTER									
3595	M20 ELECT 2000# @ 24" LC 18 HP E	15,621	4.44		0.96	1.87	1.05			54
3600	M25 ELECT 2500# @ 24" LC 18 HP E	15,706	4.46		0.97	1.88	1.05			54
3605	MC30 ELECT 3000# @ 24" LC 18 HP E	16,365	4.59		1.01	1.95	1.05			85
3610	M40B ELECT 4000# @ 24" LC 32 HP E	22,715	6.97		1.41	2.72	1.87			95
3615	M50B ELECT 5000# @ 24" LC 32 HP E	23,154	7.03		1.43	2.76	1.87			102
3620	MC60B ELECT 6000# @ 24" LC 47 HP E	25,443	8.74		1.57	3.04	2.75			123
3625	M70B ELECT 7000# @ 24" LC 53 HP E	31,611	10.41		1.95	3.76	3.10			134
3630	M80B ELECT 8000# @ 24" LC 53 HP E	33,064	10.69		2.05	3.96	3.10			142

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	FORK LIFTS (CONT'D) **********									
	CATERPILLAR (CONT'D)									
3635	M100B ELECT 10000# @ 24" LC 53 HP E	34,857	11.00		2.16	4.19	3.10			160
3640	V30D GAS 3000# @ 24" LC 37 HP G	15,068	6.36		0.94	1.82	2.86			37
3645	V40C GAS 4000# @ 24" LC 48 HP G	20,089	8.37		1.23	2.38	3.71			41
3650	V50C GAS 5000# @ 24" LC 48 HP G	20,501	8.47		1.25	2.39	3.71			45
3655	V60E GAS 6000# @ 24" LC 63 HP G	28,394	11.35		1.75	3.38	4.86			52
3660	V70E GAS 7000# @ 24" LC 63 HP G	28,699	11.41		1.77	3.42	4.86			56
3665	V80E GAS 8000# @ 24" LC 63 HP G	29,842	11.62		1.84	3.56	4.86			59
3670	V110 GAS 11000# @ 24" LC 66 HP G	42,953	14.38		2.66	5.13	5.10			82
3675	V150 DIESEL 15000# @ 24" LC 70 HP D	46,237	11.93		2.86	5.53	2.63			92
3680	V180B DIESEL 18000# @ 24" LC 125 HP D	61,282	17.39		3.77	7.23	4.70			114
3685	V200B DIESEL 20000# @ 24" LC 125 HP D	66,760	18.40		4.10	7.89	4.70			124
3690	V250B DIESEL 25000# @ 24" LC 125 HP D	68,445	18.70		4.21	8.12	4.70			154
3695	V300B DIESEL 30000# @ 24" LC 125 HP D	76,854	20.31		4.72	9.05	4.70			165
3700	R40 DIESEL 4000# @ 24" LC 68 HP D	26,606	8.18		1.63	3.13	2.56			107
3705	R50 DIESEL 5000# @ 24" LC 68 HP D	27,244	8.30		1.67	3.21	2.56			112
3710	R60 DIESEL 6000# @ 24" LC 68 HP D	32,982	9.37		2.03	3.91	2.56			128
3715	R80 DIESEL 8000# @ 24" LC 68 HP D	34,231	9.63		2.11	4.04	2.56			138
	HYSTER - CHALLENGER									
3725	H30H 3000# @ 24" LC 63 HP G	25,386	10.79		1.57	3.02	4.86			71
3730	H60C 6000# @ 24" LC 80 HP G	28,731	13.04		1.77	3.42	6.18			103
3735	H110F 11000# @ 24" LC 116 HP G	43,884	19.33		2.72	5.26	8.96			163
3740	H150H 15000# @ 24" LC 127 HP G	61,572	23.77		3.78	7.26	9.81			234
3745	H200HS20000# @ 24" LC PS 127 HP G	70,454	25.42		4.34	8.34	9.81			256
3750	H250H 25000# @ 24" LC PS 127 HP G	73,282	25.98		4.50	8.65	9.81			295
3755	H300B 30000# @ 24" LC PS 127 HP G	81,168	27.40		5.00	9.65	9.81			360
3760	H460B 46000# @ 48" LC PS 190 HP G	157,293	47.77		9.68	18.65	14.67			590

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	GENERATOR SETS, ELECTRIC									
	CATERPILLAR T = TURBOCHARGED TA = TURBOCHARGED AFTER COOLED									
	SKID MOUNTED									
3775	MOD 3304 -T 240/480V 75 KW 129 HP D	20,804	10.40	13.10	1.42	2.96	4.85	3.27	6.39	37
3780	MOD 3306 -T 240/480V 130 KW 200 HP D	24,505	14.51	18.38	1.68	3.49	7.52	3.85	9.90	46
3785	MOD 3306 -TA 240/480V 150 KW 220 HP D	27,935	16.16	20.45	1.90	3.97	8.28	4.39	10.89	48
3790	MOD 3406 -T 240/480V 175 KW 260 HP D	29,580	18.38	23.33	2.02	4.22	9.78	4.66	12.87	57
3795	MOD 3406 -TA 240/480V 200 KW 295 HP D	33,525	20.85	26.44	2.29	4.78	11.10	5.27	14.60	59
3800	MOD 3408 -T 240/480V 225 KW 330 HP D	39,150	23.65	30.00	2.67	5.57	12.41	6.16	16.33	72
3805	MOD 3408 -TA 240/480V 265 KW 390 HP D	42,535	27.18	34.52	2.90	6.06	14.67	6.69	19.30	81
3810	MOD D353 -TA 240/480V 290 KW 425 HP D	77,868	36.28	45.48	5.32	11.09	15.99	12.25	21.04	114
3815	MOD 3412 -T 240/480V 300 KW 440 HP D	58,878	32.96	41.67	4.02	8.39	16.55	9.26	21.78	91
3820	MOD 3412 -TA 240/480V 440 KW 625 HP D	68,488	43.62	55.41	4.68	9.76	23.51	10.77	30.94	102
3825	MOD D348 -TA 240/480V 510 KW 730 HP D	104,378	56.10	70.78	7.12	14.87	27.46	16.41	36.13	140
3830	MOD D398B-TA 230/460V 565 KW 810 HP D	154,873	70.49	88.26	10.57	22.06	30.47	24.35	40.09	208
3835	MOD D399 -TA 230/460V 820 KW 1155 HP D	201,557	96.45	121.07	13.76	28.71	43.45	31.70	57.17	268
	KOHLER									
3845	2.25MBM25 PORTABLE 2.25 KW 5 HP G	661	0.63	0.78	0.05	0.10	0.39	0.10	0.50	1
3850	3.5MM65 PORTABLE 3.50 KW 8 HP G	1,041	0.99	1.26	0.08	0.15	0.62	0.17	0.80	2
3855	5MM65 PORTABLE 5.00 KW 12 HP G	1,352	1.43	1.83	0.09	0.19	0.93	0.21	1.21	2
	ONAN									
	SKID MOUNTED									
3870	120/240V 2.5 KW 6 HP G	1,402	0.87	1.09	0.10	0.20	0.46	0.22	0.60	2
3875	120/240V 6.5 KW 14 HP G	3,160	2.01	2.54	0.22	0.45	1.08	0.50	1.41	3
3880	120/240V 10.0 KW 20 HP G	3,452	2.64	3.35	0.24	0.49	1.54	0.54	2.01	4
3885	120/240V 3.0 KW 6 HP D	3,655	1.05	1.28	0.25	0.52	0.23	0.57	0.30	4
3890	120/240V 6.0 KW 12 HP D	4,853	1.58	1.94	0.33	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	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	GENERATOR SETS, ELECTRIC (CONT'D)									
	ONAN (CONT'D)									
3895	120/240V 12.0 KW 22 HP D	6,985	2.50	3.09	0.47	0.99	0.83	1.10	1.09	7
3900	120/240V 15 KW 27 HP D	7,152	2.77	3.45	0.49	1.02	1.02	1.13	1.34	14
3905	120/240V 30 KW 63 HP D	10,610	5.18	6.51	0.72	1.51	2.37	1.67	3.12	19
3910	120/240V 45 KW 87 HP D	14,030	7.02	8.84	0.96	2.00	3.27	2.21	4.31	25
3915	120/240V 60 KW 102 HP D	16,129	8.17	10.27	1.10	2.30	3.84	2.53	5.05	26
3920	120/240V 75 KW 162 HP D	19,193	11.60	14.72	1.31	2.73	6.09	3.02	8.02	30
3925	120/240V 90 KW 162 HP D	20,112	11.79	14.94	1.37	2.86	6.09	3.16	8.02	30
3930	120/240V 125 KW 210 HP D	23,255	14.71	18.67	1.59	3.31	7.90	3.66	10.39	50
3935	120/240V 150 KW 276 HP D	27,551	18.69	23.81	1.88	3.93	10.38	4.34	13.66	65
	OVERLOWE									
3945	KP2250R PORTABLE 2.25 KW 5 HP G	835	0.66	0.83	0.06	0.12	0.39	0.13	0.50	1
3950	KP3000R PORTABLE 3.00 KW 5 HP G	835	0.66	0.83	0.06	0.12	0.39	0.13	0.50	1
3955	KP3750BIC PORTABLE 3.75 KW 7 HP G	1,011	0.88	1.11	0.07	0.14	0.54	0.15	0.70	2
3960	KP5000BIC PORTABLE 5.00 KW 10 HP G	1,279	1.24	1.57	0.09	0.19	0.77	0.20	1.01	2
3965	KP6500BICB PORTABLE 6.50 KW 16 HP G	1,624	1.88	2.40	0.11	0.23	1.24	0.25	1.61	3
3970	KP7500BICB PORTABLE 7.50 KW 16 HP G	1,697	1.90	2.42	0.11	0.24	1.24	0.26	1.61	3
	GRADERS, MOTOR									
	CATERPILLAR									
3985	MOD 120-G POWER SHIFT ARTIC 125 HP D	97,981	20.63	25.09	5.72	10.11	4.33	11.33	5.69	272
3990	MOD 130-G POWER SHIFT ARTIC 135 HP D	111,542	23.11	28.09	6.50	11.52	4.68	12.93	6.15	293
3995	MOD 12-G POWER SHIFT ARTIC 135 HP D	120,268	24.44	29.67	7.01	12.42	4.68	13.93	6.15	316
4000	MOD 140-G POWER SHIFT ARTIC 150 HP D	122,434	25.47	31.00	7.13	12.61	5.20	14.16	6.83	318
4005	MOD 14-G POWER SHIFT ARTIC 180 HP D	171,754	34.63	42.07	9.96	17.52	6.24	19.65	8.20	441
4010	MOD 16-G POWER SHIFT ARTIC 250 HP D	246,020	49.32	59.92	14.26	25.04	8.66	28.07	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	95,329	20.24	24.66	5.55	9.81	4.33	11.00	5.69	296
4025	MOD 715A	ARTICULATED	144 HP	D	107,979	23.02	28.06	6.29	11.11	4.99	12.46	6.56	306
4030	MOD 720A	ARTICULATED	148 HP	D	114,468	24.22	29.52	6.66	11.76	5.13	13.19	6.74	340
4035	MOD 740A	ARTICULATED	181 HP	D	124,538	27.17	33.18	7.26	12.85	6.27	14.42	8.24	355
4040	MOD 710	NON-ARTICULATED	125 HP	D	89,644	19.37	23.65	5.21	9.21	4.33	10.33	5.69	280
4045	MOD 715	NON-ARTICULATED	144 HP	D	99,302	21.71	26.52	5.78	10.20	4.99	11.44	6.56	285
4050	MOD 720	NON-ARTICULATED	148 HP	D	104,490	22.72	27.75	6.08	10.72	5.13	12.02	6.74	315
4055	MOD 740	NON-ARTICULATED	181 HP	D	114,086	25.63	31.39	6.64	11.72	6.27	13.15	8.24	330
4060	MOD 760	NON-ARTICULATED	230 HP	D	143,742	32.64	40.03	8.32	14.59	7.97	16.35	10.47	390
	FIAT-ALLIS												
4070	MOD-65B	DIRECT DRIVE	68 HP	D	52,131	10.98	13.37	3.05	5.41	2.36	6.07	3.10	135
4075	MOD-FG75	POWER SHIFT	130 HP	D	74,872	17.37	21.33	4.35	7.66	4.50	8.59	5.92	300
4080	MOD-FG85	POWER SHIFT	145 HP	D	82,532	19.23	23.61	4.80	8.44	5.02	9.46	6.60	310
4085	MOD-FG95	POWER SHIFT	160 HP	D	86,546	20.64	25.42	5.00	8.75	5.54	9.80	7.29	330
	GALION												
4095	MOD 503-L	CONSTANT MESH	68 HP	G	44,836	12.47	15.38	2.62	4.64	4.85	5.21	6.29	115
4100	MOD T-500C	POWER SHIFT	145 HP	D	96,756	21.32	26.05	5.64	9.97	5.02	11.19	6.60	281
4105	MOD T-600C	POWER SHIFT	186 HP	D	111,631	25.45	31.19	6.50	11.49	6.44	12.88	8.47	321
	HOISTS ******												
	BEEBE - AIR TUGGERS												
4115	2000P110-24	1.0 T 225 CFM RQD			5,283	1.13		0.33	0.64	0.00			5
4120	5000P120-24	2.5 T 500 CFM RQD			9,567	2.07		0.60	1.17	0.00			16
4125	10000P 60-30	5.0 T 500 CFM RQD			12,014	2.65		0.75	1.46	0.00			22
4130	20000P 50-40	10.0 T 850 CFM RQD			29,962	6.25		1.86	3.64	0.00			59

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	67,157	17.78		4.19	8.17	3.76			85
4145	G-70 DOUBLE DRUM W/7/8" CABLE 100 HP D	90,753	22.38		5.65	11.03	3.76			126
4150	RB-80 DOUBLE DRUM W/1-1/8" CABLE 130 HP D	139,566	33.32		8.70	16.97	4.89			240
4155	RB-90WDOUBLE DRUM W/1-3/8" CABLE 150 HP D	165,327	39.28		10.30	20.10	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	113,999	29.01	38.80	7.75	15.65	3.57	19.33	4.69	410
4175	MOD 25A 1.38 CY B/H 185 HP D	193,885	45.38	57.56	12.08	23.59	6.41	27.61	8.42	660
4180	MOD 480 2.00 CY B/H 300 HP D	285,897	68.02	86.34	17.81	34.78	10.39	40.72	13.66	975
4185	MOD 680 4.00 CY B/H 456 HP D	455,623	100.42	123.47	26.42	50.44	15.80	57.17	20.77	1647
	BADGER (HOPTO)									
4195	MOD 211 1.00 CY B/H 160 HP D	152,185	39.64	53.01	10.34	20.89	5.54	25.80	7.29	530
4200	MOD 311 1.88 CY B/H 235 HP D	218,140	52.16	66.21	13.59	26.54	8.14	31.07	10.70	745
4205	MOD 900B 2.00 CY B/H 308 HP D	262,378	59.69	73.54	15.21	29.05	10.67	32.92	14.03	1015
4210	MOD 1900 5.00 CY B/H 616 HP D	559,906	125.69	154.71	32.47	61.99	21.34	70.25	28.05	2050
	BUCYRUS ERIE									
4220	MOD 300-H 1.00 CY B/H 176 HP D	173,108	44.85	59.98	11.76	23.76	6.10	29.35	8.02	546
4225	MOD 325-H 1.75 CY B/H 205 HP D	239,670	55.13	69.88	14.93	29.16	7.10	34.13	9.34	774
4230	MOD 350-H 2.50 CY B/H 248 HP D	302,118	69.06	87.53	18.82	36.75	8.59	43.03	11.29	1000
4235	MOD 400-H 4.25 CY B/H 392 HP D	506,071	106.86	130.97	29.35	56.03	13.58	63.49	17.85	1575
	CASE									
4245	MOD 880C "E" BOOM .63 CY B/H 125 HP D	101,078	27.09	36.22	6.87	13.87	4.33	17.15	5.69	310
4250	MOD 980B 1.00 CY B/H 165 HP D	125,791	34.12	45.57	8.55	17.27	5.72	21.33	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	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)									
	**********									
	I/B = TELESCOPING BOOM									
	B/H = BACKHOE									
	CATERPILLAR									
4260	MOD 215 .75 CY B/H 90 HP D	121,923	30.21	40.43	8.29	16.74	3.12	20.68	4.10	387
4265	MOD 225 1.00 CY B/H 135 HP D	151,099	38.39	51.36	10.26	20.74	4.68	25.62	6.15	504
4270	MOD 235 1.50 CY B/H 195 HP D	273,368	61.30	77.63	17.03	33.26	6.76	38.94	8.88	891
4275	MOD 245 2.50 CY B/H 325 HP D	425,868	96.35	122.07	26.53	51.81	11.26	60.66	14.80	1385
	GRADALL									
4290	MOD G-660 .63 CY T/B 115 HP D	150,677	37.48	50.17	10.24	20.69	3.98	25.56	5.24	450
4295	MOD G-880B .75 CY T/B 160 HP D	188,329	47.51	63.57	12.79	25.85	5.54	31.94	7.29	533
4300	MOD G-1000 1.25 CY T/B 272 HP D	254,849	60.82	77.22	15.87	31.00	9.42	36.30	12.39	787
	INSLEY									
4315	MOD H1000C 1.25 CY B/H 180 HP D	143,682	35.38	44.98	8.95	17.48	6.24	20.47	8.20	517
4320	MOD H2500C 2.25 CY B/H 290 HP D	260,113	62.60	79.48	16.21	31.65	10.05	37.05	13.21	931
4325	MOD H3500C 3.50 CY B/H 390 HP D	365,654	81.58	100.38	21.21	40.49	13.51	45.88	17.76	1276
	KOEHRING									
4335	MOD 166 BANTAM .88 CY B/H 108 HP D	106,726	27.62	36.96	7.25	14.64	3.74	18.10	4.92	374
4340	MOD 266 BANTAM 1.13 CY B/H 143 HP D	141,917	36.71	49.11	9.64	19.48	4.95	24.07	6.51	514
4345	MOD 366 BANTAM 1.25 CY B/H 210 HP D	171,081	41.95	53.30	10.66	20.81	7.28	24.37	9.56	612
4350	MOD 566 1.50 CY B/H 240 HP D	249,688	58.51	74.23	15.55	30.37	8.32	35.56	10.93	834
4355	MOD 666E 2.00 CY B/H 307 HP D	310,825	73.17	92.84	19.36	37.81	10.64	44.27	13.98	1075
4360	MOD 866E 3.25 CY B/H 332 HP D	390,746	83.71	102.71	22.66	43.26	11.50	49.03	15.12	1306
4365	MOD 1066E 4.00 CY B/H 420 HP D	474,365	102.32	125.60	27.51	52.52	14.55	59.52	19.13	1640
4370	MOD 1166E 5.00 CY B/H 464 HP D	565,497	120.48	147.75	32.79	62.61	16.08	70.95	21.13	1890
4375	MOD 1266D 5.50 CY B/H 760 HP D	790,155	167.18	194.76	43.45	79.16	26.33	87.48	34.61	2507
4380	MOD 1466 6.50 CY B/H 832 HP D	910,435	190.83	222.06	50.06	91.20	28.83	100.80	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	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	141,868	37.08	49.58	9.64	19.47	5.27	24.06	6.92	475
4400	MOD H342 1.63 CY B/H 228 HP D	230,389	54.26	68.84	14.35	28.03	7.90	32.82	10.38	723
4405	MOD H471 1.75 CY B/H 304 HP D	285,495	68.12	86.46	17.79	34.74	10.53	40.67	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	158,811	29.55	35.24	8.59	14.74	7.38	16.07	9.66	422
4420	MOD G-880 .75 CY T/B 160/210 HP D/D	207,567	35.63	41.91	11.24	19.31	7.46	21.05	9.60	530
4425	MOD G-1000 1.25 CY T/B 272/312 HP D/D	274,877	47.94	56.07	14.17	23.03	12.37	24.58	15.95	724
	LAND CLEARING EQUIPMENT (ADD TO TRACTOR)									
4435	FLECO LAND CLEARING RAKE FOR D-6	17,778	3.62	4.52	1.11	2.16	0.00	2.52	0.00	67
4440	FLECO LAND CLEARING RAKE FOR D-7	23,341	4.73	5.92	1.46	2.83	0.00	3.31	0.00	98
4445	FLECO LAND CLEARING RAKE FOR D-8	34,640	6.98	8.76	2.16	4.20	0.00	4.91	0.00	138
4450	FLECO CLAMP RAKE FOR CAT 977 (ADD TO 977 LOADER)	17,837	3.74	4.66	1.11	2.16	0.00	2.53	0.00	58
	LIGHTING SETS, TRAILER MOUNTED									
	ALLMAND METALLIC VAPOR									
4460	30' TOWER 4/1000W LTS 5 KW 11 HP D	13,133	4.68		0.89	1.74	0.54			29
	OVER-LOWE METALLIC VAPOR									
4470	28' TOWER 2/1000W 3 KW 6 HP D	9,673	3.30		0.65	1.24	0.30			17
4475	28' TOWER 4/1000W 6 KW 17 HP D	12,509	4.83		0.84	1.61	0.84			22

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LIGHTING SETS, TRAILER MTD (CONT'D)									
	OVER-LOWE METALLIC VAPOR (CONT'D)									
4480	28' TOWER 6/1000W 8 KW 15 HP D	16,816	6.02		1.13	2.18	0.74			24
	LOADERS, BELT									
	KOLMAN									
4490	101XHD 24"X50' 355 T/HR 28 HP D	29,671	7.80	10.14	1.82	3.22	1.05	3.71	1.39	116
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4500	PLATE FEEDER DOZER TRAP MODEL 45	5,475	1.08	1.35	0.35	0.63	0.00	0.72	0.00	37
4505	BELT FEEDER DOZER TRAP MODEL 65	7,976	1.57	1.97	0.50	0.91	0.00	1.05	0.00	36
4510	WING WALLS STATIONARY	1,219	0.24	0.30	0.08	0.14	0.00	0.16	0.00	9
4515	TUNNEL EXTENSION W/WING WALLS	6,352	1.26	1.56	0.40	0.73	0.00	0.83	0.00	61
4520	SINGLE DECK SCREEN SB-70 7'X42	5,469	1.08	1.35	0.35	0.63	0.00	0.72	0.00	19
4525	DOUBLE DECK SCREEN DC-70-42 7'X42	6,487	1.27	1.61	0.40	0.73	0.00	0.86	0.00	27
4530	TRIPLE DECK SCREEN TC-70-42 7'X42	8,471	1.66	2.10	0.53	0.96	0.00	1.12	0.00	34
4535	XHD CONVEYOR JACKLEG	961	0.19	0.23	0.06	0.11	0.00	0.12	0.00	9
4540	101XHD 30"X50' 615 T/HR 42 HP D	33,265	9.32	12.17	2.03	3.60	1.58	4.15	2.08	135
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4550	PLATE FEEDER DOZER TRAP MODEL 45	6,810	1.35	1.67	0.43	0.78	0.00	0.89	0.00	42
4555	BELT FEEDER DOZER TRAP MODEL 65	8,356	1.64	2.07	0.52	0.95	0.00	1.11	0.00	40
4560	WING WALLS STATIONARY	1,219	0.24	0.30	0.08	0.14	0.00	0.16	0.00	9
4565	TUNNEL EXTENSION W/WING WALLS	6,352	1.26	1.56	0.40	0.73	0.00	0.83	0.00	61
4570	SINGLE DECK SCREEN SB-80 8'X48	6,135	1.21	1.52	0.39	0.70	0.00	0.81	0.00	23
4575	DOUBLE DECK SCREEN DC-80-48 8'X48	7,550	1.49	1.87	0.47	0.86	0.00	1.00	0.00	35
4580	TRIPLE DECK SCREEN TC-80-48 8'X48	9,568	1.88	2.36	0.60	1.09	0.00	1.26	0.00	43
4585	XHD CONVEYOR JACKLEG	961	0.19	0.23	0.06	0.11	0.00	0.12	0.00	9
4590	101XHD 36"X50' 910 T/HR 56 HP D	38,073	11.20	14.65	2.32	4.08	2.11	4.70	2.77	160
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4600	PLATE FEEDER DOZER TRAP MODEL 45	7,304	1.44	1.81	0.46	0.83	0.00	0.97	0.00	45

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LOADERS, BELT (CONT'D)									
	KOLMAN (CONT'D)									
4605	BELT FEEDER DOZER TRAP MODEL 65	8,850	1.74	2.19	0.55	1.01	0.00	1.17	0.00	42
4610	WING WALLS STATIONARY	1,219	0.24	0.30	0.08	0.14	0.00	0.16	0.00	9
4615	TUNNEL EXTENSION W/WING WALLS	6,352	1.26	1.56	0.40	0.73	0.00	0.83	0.00	61
4620	SINGLE DECK SCREEN SB-90 9'X54	6,930	1.37	1.71	0.43	0.79	0.00	0.91	0.00	28
4625	DOUBLE DECK SCREEN DC-90-54 9'X54	9,023	1.78	2.23	0.57	1.03	0.00	1.19	0.00	43
4630	TRIPLE DECK SCREEN TC-90-54 9'X54	12,042	2.38	2.98	0.76	1.38	0.00	1.59	0.00	54
4635	XHD CONVEYOR JACKLEG	961	0.19	0.23	0.06	0.11	0.00	0.12	0.00	9
4640	101XHD 42"X50' 1260 T/HR 84 HP D	46,553	14.61	19.22	2.82	4.95	3.16	5.71	4.16	180
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4650	PLATE FEEDER DOZER TRAP MODEL 45	7,782	1.53	1.93	0.48	0.88	0.00	1.03	0.00	48
4655	BELT FEEDER DOZER TRAP MODEL 65	10,178	2.00	2.51	0.64	1.16	0.00	1.34	0.00	45
4660	WING WALLS STATIONARY	1,219	0.24	0.30	0.08	0.14	0.00	0.16	0.00	9
4665	TUNNEL EXTENSION W/WING WALLS	6,352	1.26	1.56	0.40	0.73	0.00	0.83	0.00	61
4670	SINGLE DECK SCREEN SB-100 60"X10'	8,643	1.70	2.14	0.54	0.98	0.00	1.14	0.00	37
4675	DOUBLE DECK SCREEN DC-100 60"X10'	11,139	2.19	2.74	0.70	1.27	0.00	1.46	0.00	55
4680	TRIPLE DECK SCREEN TC-100 60"X10'	15,031	2.96	3.71	0.94	1.71	0.00	1.98	0.00	68
4685	XHD CONVEYOR JACKLEG	961	0.19	0.23	0.06	0.11	0.00	0.12	0.00	9
4690	101XHD 48"X50' 1700 T/HR 125 HP D	81,796	23.75	30.88	5.01	8.90	4.70	10.26	6.19	265
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4700	PLATE FEEDER DOZER TRAP MODEL 45	11,317	2.23	2.79	0.71	1.29	0.00	1.49	0.00	51
4705	WING WALLS STATIONARY	1,219	0.24	0.30	0.08	0.14	0.00	0.16	0.00	9
4710	TUNNEL EXTENSION W/WING WALLS	7,093	1.40	1.76	0.44	0.81	0.00	0.94	0.00	66
4715	SINGLE DECK SCREEN SB-120 60"X12'	9,794	1.92	2.42	0.61	1.11	0.00	1.29	0.00	53
4720	DOUBLE DECK SCREEN DC-120 60"X12'	13,526	2.66	3.35	0.84	1.54	0.00	1.79	0.00	77
4725	TRIPLE DECK SCREEN TC-120 60"X12'	17,740	3.49	4.38	1.11	2.02	0.00	2.34	0.00	80
4730	XHD CONVEYOR JACKLEG	961	0.19	0.23	0.06	0.11	0.00	0.12	0.00	9
4735	303 48"X50' 2000 CY/HR 125 HP D	144,385	38.54	50.57	8.78	15.47	4.70	17.81	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	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	160,650	44.71	58.55	9.79	17.30	6.96	19.94	9.16	662
4745	303 60"X50' 3600 CY/HR 185 HP D	165,998	47.48	62.83	10.05	17.59	6.96	20.24	9.16	682
4750	303 60"X60' 3600 CY/HR 290 HP D	191,279	58.63	77.68	11.58	20.26	10.91	23.31	14.35	737
4755	404 48"X50' 2000 CY/HR 185 HP D	178,518	48.16	62.82	10.92	19.36	6.96	22.32	9.16	616
4760	404 48"X60' 2000 CY/HR 185 HP D	188,648	50.22	65.48	11.54	20.49	6.96	23.64	9.16	650
4765	404 60"X50' 3600 CY/HR 290 HP D	214,428	62.07	81.45	13.08	23.11	10.91	26.63	14.35	671
4770	404 60"X60' 3600 CY/HR 290 HP D	237,000	67.63	88.98	14.43	25.46	10.91	29.34	14.35	724
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4780	SINGLE DECK SCREEN SB-120 72"X12'	10,835	2.13	2.68	0.68	1.23	0.00	1.43	0.00	58
4785	DOUBLE DECK SCREEN DC-120 72"X12'	14,377	2.83	3.55	0.90	1.64	0.00	1.89	0.00	85
4790	TRIPLE DECK SCREEN TC-120 72"X12'	19,477	3.84	4.81	1.22	2.22	0.00	2.57	0.00	90
4795	SINGLE DECK VIBRATING GRIZZLE 72"W	22,362	4.40	5.53	1.39	2.54	0.00	2.95	0.00	80
	LOADERS, FRONT END, CRAWLER TYPE									
	CASE									
4805	350 B 3/4 CY 39 HP D	38,117	11.13	14.13	2.38	4.62	1.58	5.40	2.08	105
4810	450 B 1 CY 53 HP D	49,120	14.51	18.42	3.07	5.96	2.15	6.96	2.83	138
4815	850C 1-1/2 CY 78 HP D	65,955	19.86	25.24	4.12	8.00	3.17	9.35	4.17	211
4820	1150 C 1-3/4 CY 105 HP D	89,802	26.95	34.27	5.59	10.88	4.26	12.73	5.61	250
4825	1450 B 2-1/4 CY 140 HP D	105,991	32.71	41.64	6.60	12.84	5.68	15.03	7.48	310
	CATERPILLAR									
4835	931B 1 CY 65 HP D	42,489	13.61	17.35	2.65	5.15	2.64	6.03	3.47	171
4840	943 1-1/2 CY 80 HP D	75,795	22.27	28.31	4.73	9.19	3.25	10.75	4.28	255
4845	953 2 CY 110 HP D	94,501	28.34	36.04	5.89	11.45	4.46	13.40	5.88	300
4850	963 2-1/2 CY 150 HP D	124,452	37.61	47.84	7.75	15.08	6.09	17.64	8.02	394
4855	973 3-3/4 CY 210 HP D	186,005	55.41	70.46	11.59	22.54	8.52	26.37	11.23	534

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

UNIT NO.	EQUIPMENT				VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	LOADERS, F.E., CRAWLER TYPE (CONT'D)												
	CATERPILLAR (CONT'D)												
4860	983B	4-1/2 CY	275 HP	D	254,742	75.19	95.57	15.87	30.87	11.16	36.12	14.70	807
	FIAT-ALLIS												
4870	FL9	1-5/8 CY	87 HP	D	57,115	18.27	23.29	3.56	6.92	3.53	8.09	4.65	272
4875	FL10C	2 CY	122 HP	D	72,968	23.95	30.57	4.54	8.84	4.95	10.35	6.52	310
4880	FL14C	2-5/8 CY	150 HP	D	96,215	30.98	39.50	6.00	11.66	6.09	13.64	8.02	410
4885	FL20	3-1/2 CY	223 HP	D	138,766	45.05	57.46	8.64	16.81	9.05	19.68	11.92	605
	INTERNATIONAL												
4895	100-E	1-1/8 CY	65 HP	D	49,642	15.30	19.46	3.10	6.02	2.64	7.04	3.47	161
4900	125-E	1-3/8 CY	78 HP	D	59,419	18.32	23.30	3.71	7.20	3.17	8.42	4.17	199
4905	175-C	2 CY	130 HP	D	97,144	30.10	38.29	6.06	11.78	5.28	13.77	6.95	338
4910	250-C	2-3/4 CY	190 HP	D	138,487	43.14	54.95	8.63	16.78	7.71	19.64	10.16	452
	JOHN DEERE												
4920	JD350-C	3/4 CY	42 HP	D	36,488	10.91	13.88	2.28	4.42	1.70	5.17	2.25	119
4925	JD450-C	1-1/4 CY	65 HP	D	47,632	14.82	18.86	2.97	5.77	2.64	6.75	3.47	165
	KOMATSU												
4935	D31S-16	1.3 CY	63 HP	D	45,431	14.20	18.07	2.83	5.51	2.56	6.44	3.37	156
4940	D53S-16	1.8 CY	110 HP	D	79,514	24.82	31.60	4.95	9.63	4.46	11.27	5.88	300
4945	D57S-1	2.1 CY	135 HP	D	96,748	30.26	38.54	6.03	11.72	5.48	13.71	7.22	337
4950	D75S-3	3.3 CY	200 HP	D	142,974	44.75	57.00	8.91	17.32	8.12	20.27	10.69	503
4955	D155S-1	5.9 CY	350 HP	D	278,901	85.07	108.24	17.38	33.80	14.21	39.55	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	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LOADERS, FRONT END, WHEEL TYPE ********** (ARTIC = ARTICULATED)									
	BOBCAT									
4965	MOD 310 5 C.F. SKID STEER 16 HP G	7,494	3.07	3.96	0.46	0.86	1.24	1.00	1.61	18
4970	MOD 313 5 C.F. SKID STEER 13 HP D	9,348	2.46	3.14	0.58	1.08	0.49	1.25	0.63	19
4975	MOD 540 6.5 C.F. SKID STEER 23 HP G	10,776	4.36	5.58	0.66	1.24	1.78	1.45	2.31	31
4980	MOD 543 6.5 C.F. SKID STEER 19 HP D	12,702	3.38	4.28	0.79	1.48	0.71	1.71	0.94	35
4985	MOD 610 9 C.F. SKID STEER 30 HP G	13,349	5.57	7.13	0.83	1.55	2.32	1.80	3.02	43
4990	MOD 630 9 C.F. SKID STEER 30 HP G	12,837	5.46	7.02	0.79	1.48	2.32	1.73	3.02	34
4995	MOD 641 10 C.F. SKID STEER 28 HP D	14,985	4.27	5.45	D.93	1.74	1.05	2.02	1.39	39
5000	MOD 642 10 C.F. SKID STEER 32 HP G	13,714	5.83	7.47	0.85	1.59	2.47	1.85	3.22	38
5005	MOD 742 10 C.F. SKID STEER 34 HP G	15,874	6.44	8.21	0.99	1.85	2.63	2.14	3.42	45
5010	MOD 743 10 C.F. SKID STEER 36 HP D	17,036	5.06	6.45	1.06	1.98	1.35	2.30	1.78	46
5015	MOD 825 12.5 C.F. SKID STEER 42 HP D	21,116	6.25	8.06	1.30	2.42	1.58	2.81	2.08	60
5020	MOD 843 13.5 C.F. SKID STEER 54 HP D	21,947	7.02	9.07	1.35	2.51	2.03	2.92	2.67	63
5025	MOD 974 33.8 C.F. SKID STEER 78 HP D	39,951	12.08	15.92	2.43	4.45	2.93	5.16	3.86	121
	CASE									
5035	W-14 1-1/2 CY ARTIC 83 HP D	62,230	16.19	20.74	3.85	7.16	3.12	8.32	4.11	137
5040	W-18B 2 CY ARTIC 103 HP D	75,213	19.63	25.08	4.65	8.68	3.87	10.09	5.10	194
5045	W-24 C 2-1/2 CY ARTIC 132 HP D	106,346	27.07	34.55	6.58	12.26	4.97	14.25	6.53	216
5050	W-36 3-1/2 CY ARTIC 185 HP D	141,659	36.83	47.36	8.73	16.22	6.96	18.85	9.16	[illegible]
	CATERPILLAR									
5060	910 1-1/4 CY ARTIC 65 HP D	50,736	13.20	17.06	3.12	5.78	2.45	6.72	3.22	186
5065	920 1-3/4 CY ARTIC 80 HP D	65,371	16.66	21.37	4.03	7.50	3.01	8.71	3.96	183
5070	930 2-1/4 CY ARTIC 100 HP D	74,659	19.60	25.26	4.59	8.53	3.76	9.91	4.95	212
5075	950-B 3 CY ARTIC 130 HP D	120,039	29.94	38.58	7.39	13.70	4.89	15.91	5.43	[illegible]
5080	966-D 4 CY ARTIC 200 HP D	163,602	42.26	54.80	10.03	18.56	7.52	21.56	9.96	[illegible]
5085	980-C 5-1/4 CY ARTIC 270 HP D	220,947	53.35	68.81	12.55	23.39	10.16	26.45	13.36	[illegible]

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

UNIT NO.	EQUIPMENT					VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	LOADERS, F.E., WHEEL TYPE (CONT'D)													
	CATERPILLAR (CONT'D)													
5090	988-B	7	CY ARTIC	375 HP	D	320,211	75.89	98.28	18.00	33.14	14.11	37.39	18.56	892
5095	992-C	13	CY ARTIC	690 HP	D	651,468	152.81	200.14	36.37	66.47	25.96	74.95	34.15	1916
	CLARK													
5105	35C	1-1/4	CY	82 HP	D	58,621	15.52	20.00	3.61	6.71	3.08	7.80	4.06	177
5110	45C	1-1/2	CY	107 HP	D	67,690	18.52	23.78	4.18	7.78	4.03	9.04	5.30	192
5115	55C	2	CY ARTIC	121 HP	D	78,972	21.49	27.68	4.86	9.04	4.55	10.50	5.99	247
5120	75C	2-1/2	CY ARTIC	154 HP	D	116,265	30.69	39.81	7.13	13.19	5.79	15.31	7.62	313
5125	125C	3-1/2	CY ARTIC	210 HP	D	157,764	42.03	54.83	9.65	17.78	7.90	20.63	10.39	437
5130	175C	4-1/2	CY ARTIC	273 HP	D	211,932	52.01	67.25	12.03	22.40	10.27	25.32	13.51	565
5135	275C	6-1/2	CY ARTIC	360 HP	D	297,227	70.26	90.19	16.79	31.11	13.54	35.14	17.82	864
5140	475C	12	CY ARTIC	612 HP	D	565,206	132.20	172.01	31.69	58.16	23.02	65.61	30.29	1689
	FIAT-ALLIS													
5150	345-B	1-1/2	CY ARTIC	80 HP	D	52,550	14.28	18.40	3.24	6.01	3.01	6.98	3.96	151
5155	FR-10	2-1/4	CY ARTIC	102 HP	D	68,427	18.34	23.49	4.23	7.88	3.84	9.16	5.05	212
5160	FR-12	2-1/2	CY ARTIC	120 HP	D	75,447	20.81	26.82	4.65	8.63	4.51	10.02	5.94	230
5165	FR-15	3	CY ARTIC	155 HP	D	106,459	29.02	37.84	6.51	12.01	5.83	13.94	7.67	296
5170	FR-20	4	CY ARTIC	215 HP	D	155,297	41.85	54.63	9.50	17.49	8.09	20.29	10.64	445
5175	945-B	6	CY ARTIC	335 HP	D	244,301	60.34	78.27	13.73	25.26	12.60	28.50	16.58	700
	INTERNATIONAL													
5185	510B	1-3/8	CY	80 HP	D	48,652	14.16	18.88	2.94	5.34	3.01	6.18	3.96	140
5190	515B	1-5/8	CY	100 HP	D	59,602	16.85	21.88	3.66	6.76	3.76	7.84	4.95	167
5195	520B	2-1/4	CY ARTIC	120 HP	D	70,250	19.89	25.75	4.32	8.00	4.51	9.28	5.94	232
5200	530	2-3/4	CY ARTIC	155 HP	D	105,621	28.61	37.09	6.48	12.00	5.83	13.93	7.67	291
5205	540	3-3/4	CY ARTIC	189 HP	D	146,472	38.74	50.63	8.95	16.48	7.11	19.13	9.36	360
5210	550	5-1/4	CY ARTIC	209 HP	D	212,485	48.97	63.24	12.06	22.46	7.86	25.38	10.35	544

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)									
	INTERNATIONAL (CONT'D)									
5215	560B 7-1/2 CY ARTIC 415 HP D	305,333	74.28	95.29	17.27	32.01	15.61	36.15	20.54	830
5220	570 12 CY ARTIC 590 HP D	628,061	139.56	178.17	35.55	66.01	22.20	74.57	29.20	1350
	TEREX (GM)									
5230	72-31B 3 CY ARTIC 160 HP D	106,000	28.95	37.54	6.51	12.04	6.02	13.99	7.92	309
5235	72-51B 4 CY ARTIC 231 HP D	160,541	39.80	50.74	9.16	17.18	8.69	19.43	11.43	465
5240	72-61 5-1/2 CY ARTIC 307 HP D	212,043	53.69	69.47	12.03	22.41	11.55	25.33	15.20	605
5245	72-71B 7-1/2 CY ARTIC 388 HP D	305,132	72.94	93.53	17.25	31.99	14.60	36.13	19.21	857
5250	72-81 9 CY ARTIC 434 HP D	425,498	97.83	126.80	23.90	43.97	16.33	49.61	21.48	1166
	TROJAN									
5260	1500 1-3/4 CY ARTIC 85 HP D	65,141	16.88	21.67	4.01	7.47	3.20	8.68	4.21	180
5265	1900 2-1/4 CY ARTIC 117 HP G	74,876	26.29	33.91	4.61	8.55	9.03	9.94	11.77	212
5270	2000 3 CY ARTIC 144 HP D	107,228	28.33	36.69	6.58	12.18	5.42	14.15	7.13	306
5275	2500 4 CY ARTIC 182 HP D	131,837	35.45	46.24	8.07	14.86	6.85	17.25	9.01	393
5280	3000 4-1/4 CY ARTIC 215 HP D	143,379	39.38	51.31	8.77	16.18	8.09	18.78	10.64	436
5285	5500 5-1/2 CY ARTIC 285 HP D	212,179	52.65	68.08	12.04	22.43	10.72	25.35	14.11	636
5290	7500 7 CY ARTIC 400 HP D	283,831	70.02	90.14	16.02	29.63	15.05	33.45	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	45,169	11.42	14.28	2.81	5.25	2.07	6.11	2.72	115
5305	680H LDR/BHOE 1-1/4 CY FE BUCKET 30" B/H DIPPER 80 HP D	64,725	16.47	20.61	4.01	7.50	3.01	8.71	3.96	165
	JOHN DEERE									
5315	410B LDR/BH 1 CY FE BUCKET 24" B/H DIPPER 62 HP D	43,196	11.60	14.61	2.65	4.90	2.33	5.69	3.07	137
5320	510 LDR/BHOE 1-1/2 CY FE BUCKET 24" B/H DIPPER 80 HP D	66,284	16.85	21.11	4.09	7.61	3.01	8.85	3.96	205

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	LOADER/BACKHOE, CRLR TYPE TRACTOR									
	CASE									
5330	350B LDR/BHOE 3/4 CY FE BUCKET 39 HP D 24" B/H DIPPER	49,019	13.68	17.36	3.05	5.94	1.58	6.95	2.08	141
5335	450B LDR/BHOE 1 CY FE BUCKET 53 HP D 24" B/H DIP	59,978	17.05	21.64	3.74	7.27	2.15	8.51	2.83	167
	CATERPILLAR									
5345	931BLDR/BHOE 1 CY FE BUCKET 65 HP D 30" B/H DIPPER	54,545	16.44	20.90	3.40	6.61	2.64	7.73	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	4,802	1.92		0.37	0.78	0.00			6
5370	KENT RAM 999 W/NARROW CHISEL	9,997	4.00		0.77	1.62	0.00			10
5375	KENT RAM 2000 W/CHISEL-MIN 3/4CY B/H	19,349	7.70		1.47	3.13	0.00			22
5380	KENT KHP-12 HYDRA-PAK TAMPER	5,022	1.74		0.38	0.81	0.00			9
5385	KENT KHP-25 HYDRA-PAK MIN 3/4CY B/H	7,870	2.70		0.60	1.27	0.00			15
	PILE EXTRACTORS									
	MKT CORPORATION									
5395	E2 700 FT-LBS 400CFM A	13,720	4.36		1.04	2.22	0.00			27
5400	E4 1000 FT-LBS 550CFM A	20,657	6.52		1.57	3.34	0.00			47
	VULCAN									
5410	400A 500 FT-LBS 450CFM A	16,197	5.12		1.23	2.62	0.00			30
5415	800A 1000 FT-LBS 900CFM A	21,863	7.03		1.67	3.54	0.00			57
5420	1200A 1640 FT-LBS 1350CFM A	25,602	8.44		1.95	4.15	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	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, DIESEL ********** (FUEL NOT INCLUDED)									
	MKT CORPORATION									
5430	DE-30B/20B (6-FT) 12,000 FT-LBS	35,512	10.72		2.71	5.75	0.00			74
5435	DE-30B/20B (6-FT) 16,800 FT-LBS	36,843	11.12		2.80	5.96	0.00			82
5440	DE-70B/50B (6-FT) 30,000 FT-LBS	63,510	19.12		4.84	10.28	0.00			138
5445	DE-70B/50B (6-FT) 42,000 FT-LBS	67,456	20.31		5.14	10.92	0.00			158
	PILE HAMMERS, SINGLE ACTING **********									
	VULCAN									
5455	1 15000 FT-LBS 750CFM A	35,263	11.00		2.69	5.71	0.00			101
5460	06 19500 FT-LBS 900CFM A	40,370	12.58		3.07	6.53	0.00			121
5465	08 26000 FT-LBS 1100CFM A	46,369	14.49		3.54	7.51	0.00			175
5470	010 32500 FT-LBS 1350CFM A	50,792	15.94		3.87	8.22	0.00			195
5475	012 39000 FT-LBS 1500CFM A	56,847	17.68		4.34	9.21	0.00			287
5480	014 42000 FT-LBS 1750CFM A	68,019	21.32		5.18	11.01	0.00			283
5485	016 48750 FT-LBS 1750CFM A	80,399	25.04		6.13	13.02	0.00			320
5490	020 60000 FT-LBS 2150CFM A	94,399	29.43		7.20	15.29	0.00			425
5495	030 90000 FT-LBS 2350CFM A	158,927	48.91		12.11	25.73	0.00			575
	PILE HAMMERS, DOUBLE ACTING **********									
	MKT CORPORATION									
5505	9-B-3 8750 FT-LBS 900CFM A	25,927	8.25		1.97	4.19	0.00			74
5510	10-B-3 13100 FT-LBS 1200CFM A	30,688	9.83		2.34	4.97	0.00			114
5515	11-B-3 19150 FT-LBS 1200CFM A	41,780	13.16		3.18	6.76	0.00			141
5520	5 (SELF STOP) 1000 FT-LBS 375CFM A	10,794	3.47		0.82	1.74	0.00			17
5525	6 (SELF STOP) 2500 FT-LBS 600CFM A	13,524	4.38		1.03	2.19	0.00			31
5530	7 (SELF STOP) 4150 FT-LBS 750CFM A	17,390	5.63		1.33	2.82	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	44,794	14.08		3.41	7.25	0.00			153
5545	65C 19200 FT-LBS 1450CFM A	51,363	16.17		3.92	8.32	0.00			153
5550	80C 24450 FT-LBS 1750CFM A	55,091	17.44		4.20	8.92	0.00			184
5555	100C 32900 FT-LBS 2050CFM A	66,308	20.96		5.06	10.74	0.00			232
5560	140C 36000 FT-LBS 2150CFM A	83,552	26.17		6.37	13.53	0.00			287
5565	200C 50200 FT-LBS 2550CFM A	120,266	37.40		9.17	19.47	0.00			398
	PILE HAMMERS, VIBRATORY **********									
	MKT CORPORATION									
5575	V5 WITH POWER PACK 59 HP D	62,848	21.70		4.79	10.17	2.22			110
5580	V16 WITH POWER PACK 156 HP D	122,798	44.37		9.36	19.88	5.87			215
5585	V20 WITH POWER PACK 295 HP D	167,526	64.51		12.77	27.13	11.10			257
	PIPELAYER *********									
	CATERPILLAR									
5595	561D 15 FT BOOM, 40,000 LB CAP 105 HP D	109,550	20.15	24.50	6.52	10.79	2.18	11.98	2.81	357
5600	571G 18 FT BOOM, 60,000 LB CAP 200 HP D	176,843	33.37	40.63	10.53	17.42	4.16	19.35	5.35	502
5605	572G 18 FT BOOM, 90,000 LB CAP 200 HP D	202,470	37.40	45.49	12.05	19.94	4.16	22.15	5.35	605
5610	583K 20 FT BOOM, 140,000 LB CAP 300 HP D	254,412	48.34	58.89	15.15	25.06	6.24	27.84	8.02	905
5615	594H 24 FT BOOM, 200,000 LB CAP 410 HP D	355,346	67.26	81.92	21.15	35.00	8.52	38.88	10.96	1229
	PUMPS, GROUT **********									
	CHEMGROUT									
5625	CG-500 VERSATILE AIR OPERATED GROUT PLANT-100 PSI, 230 CFM	12,031	3.05		0.82	1.65	0.00			11
5630	CG-550 AIR OPERATED MINI GROUT PLANT-100 PSI, 150 CFM	4,440	1.17		0.30	0.61	0.00			5
5635	CG-600 AIR OPERATED COLLOIDAL MIXER AND PUMP-100 PSI, 450 CFM	17,749	4.58		1.21	2.44	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	7,659	1.89		0.52	1.05	0.00			11
	PUMPS, WATER (FOR CORE DRILLS)									
	LONGYEAR									
5650	520 RQG 5.7-20 GPM UP TO 600PSI 10 HP G	6,500	2.67		0.41	0.79	1.06			7
5655	535 RQG 9.9-35 GPM UP TO 800PSI 15 HP G	8,208	3.72		0.51	1.00	1.60			10
	PUMPS, WATER,CENTRIFUGAL,DEWATERING									
	HOMELITE - SKID MOUNTED									
5665	MOD 110S 1-1/2"-5000 GPH @ 30' H 2 HP G	430	0.36		0.03	0.05	0.21			1
5670	MOD 111S 2" - 9000 GPH @ 22' H 3 HP G	546	0.52		0.03	0.06	0.32			1
5675	MOD 120S 3" - 18000 GPH @ 20' H 8 HP G	988	1.31		0.06	0.12	0.85			2
	MARLOW - WHEEL MOUNTED									
5685	MOD 4D2 465 GPM @ 20 ' HEAD 43 HP G	8,589	7.73		0.54	1.05	4.58			14
5690	MOD 4C7 595 GPM @ 20 ' HEAD 30 HP D	4,933	3.13		0.31	0.60	1.57			10
5695	MOD 6E4A 1100 GPM @ 20 ' HEAD 79 HP G	11,396	13.32		0.71	1.38	8.41			15
5700	MOD 6E4A 1100 GPM @ 20 ' HEAD 60 HP D	16,401	7.56		1.03	2.00	3.15			24
5705	MOD 8FA3 2320 GPM @ 20 ' HEAD 70 HP D	21,125	9.20		1.32	2.57	3.67			23
5710	MOD 10FA61 2775 GPM @ 20 ' HEAD 68 HP D	22,416	9.30		1.39	2.72	3.57			30
	PUMPS, WATER, CENTRIFUGAL, TRASH									
	HOMELITE - SKID MOUNTED									
5720	MOD 121TP 2" - 11500 GPH @ 20' H 5 HP G	868	0.87		0.06	0.11	0.53			1
5725	MOD 120 3" - 23000 GPH @ 20' H 8 HP G	1,206	1.36		0.08	0.15	0.85			2
5730	MOD 160TP 4" - 36500 GPH @ 20' H 16 HP G	2,418	2.72		0.15	0.29	1.70			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	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	PUMPS, WATER,DIAPHRAGM									
	HOMELITE - SKID MOUNTED									
5740	MOD 111DP 2" - 1900 GPH @ 10' HD 3 HP G	1,042	0.62		0.06	0.12	0.32			1
5745	MOD 111DP 3" - 4800 GPH @ 10' HD 3 HP G	1,206	0.66		0.08	0.15	0.32			2
	PUMPS, WATER, SUBMERSIBLE									
	GORMAN-RUPP									
5755	MOD S2A1 2" - 138 GPM @ 20' HD 2 HP E	1,537	0.42		0.10	0.19	0.12			2
5760	MOD S3A1 3" - 278GPM @ 20' HD 5 HP E	2,126	0.76		0.13	0.26	0.29			3
5765	MOD S4A1 4" - 860 GPM @ 40' HD 25 HP E	7,699	3.34		0.48	0.94	1.46			12
5770	MOD S6A1 6" - 1950 GPM @ 40' HD 60 HP E	10,162	6.69		0.63	1.23	3.51			14
	HOMELITE									
5780	MOD SP200 2" - 13000 GPH @ 10' HD 2 HP E	1,326	0.38		0.09	0.16	0.12			1
5785	MOD SP300 3" - 19000 GPH @ 15' HD 4 HP E	1,637	0.60		0.10	0.20	0.23			1
	RIPPER & HYDRAULIC BANK SLOPER (DOES NOT INCLUDE COST OF POINT WEAR)									
	ATECO									
5795	VRAR-1 D9H RADIAL LIFT	40,516	9.66	12.96	2.77	5.75	0.00	7.13	0.00	136
5800	D-9H SHANKS EA	3,167	0.75	1.00	0.22	0.45	0.00	0.55	0.00	15
5805	LPAS-D8K PARALLEL LIFT	23,496	5.64	7.54	1.61	3.34	0.00	4.13	0.00	87
5810	D-8K SHANKS EA	2,278	0.54	0.72	0.16	0.32	0.00	0.40	0.00	11
5815	LPAS-D7G PARALLEL LIFT	19,581	4.70	6.31	1.33	2.77	0.00	3.45	0.00	45
5820	D-7G SHANKS EA	1,392	0.33	0.44	0.10	0.20	0.00	0.24	0.00	5
5825	PS D6D RADIAL LIFT	8,926	2.19	2.92	0.61	1.27	0.00	1.57	0.00	24
5830	D-6C SHANKS EA	310	0.07	0.09	0.02	0.04	0.00	0.05	0.00	1
5835	V-LPRF-TD25C PARALLEL LIFT STD SVC	20,184	4.85	6.49	1.38	2.86	0.00	3.55	0.00	89
5840	TD-25C SHANKS EA	1,822	0.43	0.58	0.13	0.26	0.00	0.32	0.00	8
5845	V-LPRF-TD20E PARALLEL LIFT STD SVC	14,786	3.58	4.78	1.01	2.10	0.00	2.60	0.00	51

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	RIPPER & HYDR BANK SLOPER (CONT'D)									
	(DOES NOT INCLUDE COST OF POINT WEAR)									
	ATECO (CONT'D)									
5850	TD-20E SHANKS EA	1,332	0.32	0.42	0.09	0.19	0.00	0.23	0.00	4
5855	PS-TD15C RADIAL LIFT	8,330	2.05	2.73	0.57	1.18	0.00	1.47	0.00	22
5860	TD-15C SHANKS EA	288	0.07	0.09	0.02	0.04	0.00	0.05	0.00	1
5865	V-LPRF 82-50 PARALLEL LIFT STD SVC	22,787	5.47	7.32	1.55	3.23	0.00	4.01	0.00	96
5870	82-50 SHANKS EA	1,822	0.43	0.58	0.13	0.26	0.00	0.32	0.00	8
5875	LPRS-82-50 PARALLEL LIFT EXT SVC	22,158	5.32	7.12	1.51	3.14	0.00	3.90	0.00	88
5880	82-50 SHANKS EA	4,228	0.99	1.34	0.28	0.59	0.00	0.74	0.00	19
5885	V-LPRF-82-30 PARALLEL LIFT	20,184	4.85	6.49	1.38	2.86	0.00	3.55	0.00	89
5890	82-30 SHANKS EA	1,822	0.43	0.58	0.13	0.26	0.00	0.32	0.00	8
5895	D9,D8;82-30,82-50;TD25 HYDR BANK SLOP	8,668	1.79	2.23	0.54	1.05	0.00	1.23	0.00	28
	CATERPILLAR									
5905	D-10 MULTI-SHANK BEAM	46,556	11.08	14.89	3.17	6.60	0.00	8.20	0.00	218
5910	D-10 SHANKS EA	3,395	0.80	1.07	0.23	0.48	0.00	0.59	0.00	15
5915	D-10 SINGLE-SHANK BEAM	49,584	11.80	15.86	3.38	7.03	0.00	8.74	0.00	209
5920	D-9L MULTI-SHANK BEAM W/HYD-CONTROL	39,483	9.40	12.64	2.69	5.59	0.00	6.96	0.00	162
5925	D-9L SHANKS EA	3,051	0.72	0.97	0.21	0.43	0.00	0.54	0.00	14
5930	D-9L SINGLE-SHANK BEAM HYD-CNTL&SHANK	36,747	8.77	11.76	2.50	5.21	0.00	6.47	0.00	156
5935	D-8L MULTI-SHANK BEAM HYD-CONTROL	26,647	6.37	8.56	1.81	3.77	0.00	4.70	0.00	98
5940	D-8L SHANKS EA	1,716	0.40	0.54	0.11	0.24	0.00	0.30	0.00	7
5945	D-8L SINGLE-SHANK BEAM HYD-CNTL&SHANK	25,904	6.20	8.32	1.77	3.67	0.00	4.56	0.00	101
5950	D-7G MULTI-SHANK BEAM HYD-CONTROL	14,892	3.60	4.81	1.02	2.11	0.00	2.62	0.00	57
5955	D-7G SHANKS EA	886	0.21	0.29	0.06	0.13	0.00	0.16	0.00	3
5960	D-6D MULTI-SHANK BEAM HYD-CONTROL	9,320	2.28	3.04	0.64	1.32	0.00	1.64	0.00	34
5965	D-6D SHANKS EA	454	0.10	0.14	0.03	0.06	0.00	0.08	0.00	1
5970	D-4E MULTI-SHANK BEAM HYD-CONTROL	5,752	1.43	1.91	0.39	0.81	0.00	1.01	0.00	22
5975	D-4E SHANKS EA	244	0.05	0.07	0.02	0.03	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	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	RIPPER & HYDR BANK SLOPER (CONT'D) ********** (DOES NOT INCLUDE COST OF POINT WEAR)									
	CATERPILLAR (CONT'D)									
5980	D-3B FIVE-SHANK BEAM HYD-CONTROL	2,556	0.68	0.89	0.17	0.36	0.00	0.45	0.00	7
5985	D-3B SHANKS EA	133	0.03	0.05	0.01	0.02	0.00	0.03	0.00	1
	FIAT-ALLIS									
5995	41-R W/HYD-CNTL AND 2 SHANKS	55,266	13.11	17.62	3.77	7.83	0.00	9.73	0.00	195
6000	31-R W/HYD-CNTL AND 2 SHANKS	44,789	10.64	14.30	3.06	6.35	0.00	7.89	0.00	189
6005	30-R W/HYD-CNTL AND 2 SHANKS	29,094	6.92	9.31	1.98	4.12	0.00	5.13	0.00	108
6010	RP20B W/HYD-CNTL AND 3 SHANKS	27,515	6.55	8.80	1.88	3.90	0.00	4.85	0.00	88
	ROLLER, RUBBER TIRED, SELF-PROPELLED **********									
	FERGUSON									
6020	MOD SP-912 12 TON 82 HP D	38,740	11.79		2.39	4.53	3.08			82
6025	MOD SP-915 15 TON 85 HP D	39,699	12.13		2.45	4.64	3.20			105
6030	MOD SP-1118 18 TON 85 HP D	48,711	13.99		3.01	5.69	3.20			111
6035	MOD SP-1130 30 TON 125 HP D	78,532	22.04		4.83	9.12	4.70			228
	INGRAM									
6045	9-2800-P 12 TON 76 HP D	30,117	9.76		1.85	3.49	2.86			73
6050	9-2800-PA 12 TON 76 HP D	32,382	10.22		1.99	3.76	2.86			86
6055	9-3400-P 15 TON 78 HP D	33,129	10.45		2.04	3.85	2.93			97
6060	11-2700 15 TON 107 HP G	31,934	16.85		1.96	3.68	8.26			89
6065	11-2700 15 TON 76 HP D	35,568	10.90		2.19	4.12	2.86			91
6070	13-2300 15 TON 107 HP G	33,391	17.17		2.05	3.84	8.26			86
6075	13-2300 15 TON 76 HP D	37,036	11.21		2.27	4.27	2.86			90
6080	9-6000 27 TON 117 HP D	81,034	22.21		4.97	9.36	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	33,523	10.07		2.06	3.90	2.56			66
6095	SP-518 15 TON 68 HP D	41,537	11.68		2.57	4.87	2.56			95
6100	SP-950 27 TON 130 HP D	84,652	23.50		5.20	9.83	4.89			198
6105	SP-1070 M 35 TON 130 HP D	103,221	27.81		6.24	11.53	4.89			258
	ROLLER, RUBBER TIRED, TOWED									
	FERGUSON									
6115	RT-100S 50 TON	56,290	11.12		3.17	5.36	0.00			200
6120	RT-120S 60 TON	65,615	13.66		3.90	7.08	0.00			218
	SOUTHWEST									
6130	C 75 75 TON	69,274	13.70		3.89	6.54	0.00			408
6135	C 50 50 TON	61,818	12.31		3.53	6.08	0.00			344
6140	C 100XL 100 TON	97,567	19.45		5.65	9.92	0.00			601
	TAMPO									
6150	R-13 14 TON	8,494	1.83		0.49	0.86	0.00			35
	ROLLER, SHEEPSFOOT,DOUBLE DRUM,TOWED									
	FERGUSON									
6160	MOD 112 40"X48" 3-7 TON	11,758	2.51		0.74	1.41	0.00			65
6165	MOD 112W 40"X48" 4.5-8 TON	14,942	3.16		0.94	1.79	0.00			91
6170	MOD 112W-48 48"X48" 5-10 TON	15,388	3.25		0.96	1.84	0.00			105
6175	MOD 120 60"X60" 8-18 TON	23,042	4.80		1.44	2.76	0.00			157
6180	MOD 120 MOD 60"X60" 8-18 TON	35,260	7.29		2.20	4.22	0.00			230
6185	MOD 120-RE 60"X60" 11-22.5TON	53,105	10.91		3.31	6.35	0.00			327
6190	MOD 22 60"X72" 16-20 TON	34,860	7.21		2.18	4.17	0.00			215
6195	MOD 22 MOD 60"X72" 16-20 TON	40,655	8.38		2.54	4.86	0.00			269

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ROLLER, SHEEPSFOOT,DD,TOWED (CONT'D)									
	FERGUSON (CONT'D)									
6200	MOD 144-RE 60"X72" 19-24 TON	62,509	12.82		3.90	7.48	0.00			385
	TAMPO									
6210	H-1 TF 40"X48" 2.6TON	5,196	1.18		0.32	0.62	0.00			32
6215	H-2 TF 40"X48" 5 TON	10,509	2.26		0.65	1.25	0.00			63
	ROLLER, SHEEPSFOOT,DD,SELF-PROPELLED									
	CATERPILLAR									
62[illegible]	B 40.5"X38" 210 HP D	148,345	39.92		9.25	17.73	7.90			418
6[illegible]	[illegible] 51"X41.5" 310 HP D	225,009	60.16		14.03	26.90	11.66			633
6235	825C W/S BLADE 310 HP D	236,826	62.55		14.77	28.31	11.66			684
	HYSTER									
6245	C455-B TANDEM 80"X80" ARTIC 330 HP D	247,060	65.57		15.41	29.54	12.41			573
	ROLLER, SMOOTH WHEEL,SELF-PROPELLED									
	FERGUSON									
6255	3-5 TON TANDEM 39 HP D	23,815	6.66		1.49	2.85	1.47			73
6260	4-6 TON TANDEM 39 HP D	28,841	7.68		1.80	3.45	1.47			92
6265	5-8 TON TANDEM 85 HP D	39,748	12.04		2.48	4.75	3.20			121
6270	8-10 TON TANDEM 85 HP D	42,678	12.64		2.67	5.11	3.20			162
6275	8-12 TON TANDEM 85 HP D	46,131	13.34		2.88	5.52	3.20			164
6280	10-14 TON TANDEM 85 HP D	50,437	14.21		3.14	6.03	3.20			206
	INGRAM									
6290	12 TON EB 3 WHEEL 3" OVERLAP 107 HP G	51,112	20.62		3.19	6.11	8.26			194
6295	12 TON EB 3 WHEEL 3" OVERLAP 85 HP D	54,746	15.09		3.42	6.55	3.20			196
6300	14 TON EB 3 WHEEL 3" OVERLAP 107 HP G	54,193	21.25		3.38	6.48	8.26			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	57,827	15.71		3.60	6.91	3.20			223
6310	4-6 TON FB 2 WHEEL TANDEM 54 HP G	24,095	10.06		1.50	2.88	4.17			82
6315	6-9 TON GB 2 WHEEL TANDEM 107 HP G	34,136	17.17		2.13	4.08	8.26			133
6320	6-9 TON GB 2 WHEEL TANDEM 76 HP D	37,770	11.23		2.36	4.52	2.86			135
6325	8-12 TON HB 2 WHEEL TANDEM 107 HP G	41,374	18.65		2.58	4.95	8.26			171
6330	8-12 TON HB 2 WHEEL TANDEM 76 HP D	45,009	12.69		2.81	5.38	2.86			173
6335	10-14 TON HB 2 WHEEL TANDEM 107 HP G	44,920	19.36		2.80	5.37	8.26			258
6340	10-14 TON HB 2 WHEEL TANDEM 76 HP D	48,560	13.41		3.03	5.80	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	12,448	5.74		0.85	1.74	1.92			31
6355	CF-11 40HZ TF 30"X55" 5 TON 18 HP G	15,249	6.49		1.03	2.12	1.92			32
6360	CH-47 27HZ 47"X74" 13 TON 43 HP D	30,940	11.16		2.11	4.32	2.26			130
6365	CF-47 27HZ TF 47"X74" 13 TON 43 HP D	33,590	11.87		2.29	4.69	2.26			135
6370	CK-51 25HZ 59"X83" 24 TON 95 HP D	47,776	19.08		3.25	6.66	4.98			221
6375	CF-51 25HZ TF 59"X83" 24 TON 95 HP D	50,075	19.70		3.40	6.98	4.98			216
	FERGUSON									
6385	65 25HZ TF 60"X72" 11 TON 49 HP D	33,492	12.23		2.28	4.67	2.57			110
6390	652 30HZ TF 44"X72" 11 TON 49 HP D	36,406	13.02		2.48	5.08	2.57			127
6395	230 25HZ 66"X78" 20 TON 77 HP D	58,544	20.82		3.99	8.17	4.04			237
6400	230T 25HZ TF 66"X78" 21 TON 77 HP D	63,868	22.27		4.35	8.92	4.04			268

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	ROLLER, VIBRATORY,SD,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	30,261	10.51		2.06	4.22	1.89			80
6415	C210A 30HZ TF 58"X60" 9 TON 39 HP D	36,058	12.28		2.45	5.03	2.05			100
	RAYGO									
6425	SF-54A TF 38HZ 30"X54" 7.5TON 30 HP D	17,953	6.79		1.22	2.50	1.57			48
6430	SM-54A 38HZ 30"X54" 7.5TON 30 HP D	16,279	6.34		1.11	2.27	1.57			48
	SOUTHWEST									
6440	756 25HZ TF 66"X78"23.5TON 75 HP D	72,576	24.48		4.94	10.13	3.94			240
6445	566 33HZ TF 56"X72"25.5TON 50 HP D	55,348	18.20		3.77	7.73	2.62			165
	TAMPO									
6455	VC-80 27HZ 48"X60" 7.5TON 36 HP D	22,406	8.39		1.53	3.13	1.89			71
6460	VS-125 25HZ TF 48"X72" 11 TON 60 HP D	44,597	15.95		3.03	6.22	3.15			145
6465	VC-400 23HZ 60"X84"21.5TON 90 HP D	60,293	22.14		4.11	8.42	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	55,029	19.64		3.73	7.61	3.83			126
6480	CA-15A 42HZ 48"X66" 12 TON 73 HP D	61,517	21.48		4.11	8.29	3.83			137
6485	CA-15PD 29HZ TF 53"X66" 13 TON 73 HP D	69,116	23.45		4.69	9.59	3.83			151
6490	CA-25A 40HZ 60"X84" 18 TON 125 HP D	82,584	30.51		5.57	11.34	6.56			213
6495	CA-25 28HZ 60"X84" 18 TON 125 HP D	65,751	25.98		4.42	8.96	6.56			193
6500	CA-25S 28HZ 61"X84" 22 TON 125 HP D	69,562	27.02		4.69	9.50	6.56			216
6505	CA-25PD 28HZ 68"X84" 22 TON 125 HP D	79,714	29.76		5.38	10.92	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	73,148	27.98		4.93	10.00	6.56			235
6515	CA-30D 28HZ 61"X84" 22 TON 125 HP D	91,189	32.85		6.15	12.51	6.56			245
	FERGUSON									
6525	SP 266 42HZ 48"X66" 15 TON 125 HP D	77,717	29.12		5.29	10.85	6.56			213
6530	SP 75BA 30HZ 60"X84" 18 TON 85 HP D	68,792	24.18		4.63	9.41	4.46			197
6535	SP 75D 30HZ 60"X84" 22.5 TON 120 HP D	72,763	27.55		4.90	9.94	6.30			179
6540	SP 75DT 30HZ TF 60"X84" 22.5 TON 120 HP D	81,566	29.93		5.50	11.17	6.30			224
	INGERSOLL RAND									
6550	SPF-56 30HZ TF 56"X84" 21 TON 115 HP D	82,012	29.72		5.53	11.23	6.03			222
6555	SP-60DD 25HZ 60"X100" 30 TON 210 HP D	129,329	48.73		8.72	17.70	11.02			450
	RAYGO									
6565	RASCAL 220A 30HZ TF38"X48" 6 TON 70 HP D	53,758	19.09		3.65	7.47	3.67			97
6570	RASCAL 303A 38HZ 48"X66" 8 TON 70 HP D	53,633	19.06		3.63	7.41	3.67			137
6575	RASCAL 320A 25HZ TF48"X60" 8 TON 80 HP D	70,372	24.24		4.77	9.76	4.20			151
6580	RASCAL 320S 25HZ 48"X60" 8 TON 80 HP D	61,335	21.80		4.15	8.48	4.20			144
6585	RUSTLER 304A 28HZ 48"X66" 8 TON 70 HP D	57,628	20.23		3.85	7.75	3.67			130
6590	RASCAL 400A 25HZ 59"X84"13.5TON 88 HP D	69,112	24.49		4.65	9.43	4.62			213
6595	RUSTLER 404B 28HZ 59"X84"13.5TON 88 HP D	79,815	27.36		5.39	10.95	4.62			175
6600	RASCAL 410A 25HZ 59"X84"13.5TON 88 HP D	75,205	26.14		5.07	10.29	4.62			230
6605	RASCAL 420C 25HZ TF60"X84" 16 TON 119 HP D	88,505	31.72		5.97	12.15	6.24			225
6610	RASCAL 4000 25HZ 60"X84" 20 TON 125 HP D	75,010	28.49		5.06	10.26	6.56			224
6615	RASCAL 510A 25HZ 60"X80"22.5TON 119 HP D	97,805	34.23		6.62	13.48	6.24			358
6620	RASCAL 600A 25HZ 60"X100"22.5TON 119 HP D	84,982	30.77		5.74	11.69	6.24			316
6625	RASCAL 450A 28HZ 59"X84"28.5TON 125 HP D	81,468	30.27		5.46	11.04	6.56			263

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	ROLLER, VIBRATORY,SD,S/P (CONT'D) ********** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS									
	TAMPO									
6635	RS-16A 26HZ 48'X24" 7.5TON 68 HP D	54,207	19.19		3.62	7.28	3.57			124
6640	RS-16 26HZ 48"X24" 8 TON 68 HP D	47,428	17.27		3.21	6.55	3.57			115
6645	RS-16D 26HZ 48"X24" 8 TON 80 HP D	57,679	20.81		3.91	7.98	4.20			123
6650	RH-16A 26HZ 48"X24" 9 TON 75 HP D	63,297	22.09		4.24	8.54	3.94			153
6655	RP-16D 26HZ TF 48"X24" 9 TON 80 HP D	63,482	22.38		4.31	8.79	4.20			127
6660	RP-28D 25HZ TF 63"X84" 15 TON 110 HP D	82,726	29.59		5.58	11.33	5.77			212
6665	RS-28C 25HZ 60"X84" 15 TON 107 HP D	68,753	25.62		4.63	9.38	5.61			202
6670	RS-28D 25HZ 60"X84" 15 TON 107 HP D	74,345	27.13		5.01	10.16	5.61			208
6675	RH-28D 28HZ 60"X84"22.5TON 110 HP D	94,854	32.88		6.41	13.03	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	9,754	3.67		0.66	1.36	0.84			25
6690	CC-10 50HZ TANDEM 2 TON 34 HP D	28,445	9.89		1.94	3.97	1.78			50
6695	CC-21 50HZ TANDEM 4 TON 71 HP D	63,770	21.84		4.34	8.90	3.73			133
6700	CC-42II 42HZ TANDEM 12 TON 125 HP D	81,654	30.18		5.56	11.39	6.56			200
6705	CC-50A 40HZ TANDEM 18 TON 155 HP D	103,000	37.90		7.02	14.38	8.13			304
6710	CC-50S 28HZ TANDEM 22 TON 181 HP D	118,431	43.77		8.06	16.53	9.50			342
6715	CC-50PD 28HZ TF TANDEM 22 TON 225 HP D	133,663	50.74		9.10	18.65	11.81			419
	RAYGO									
6725	REBEL 1-36 40HZ TANDEM 2 TON 16 HP D	9,829	3.69		0.67	1.37	0.84			23
6730	ROMPER 2-36 40HZ TANDEM 4 TON 35 HP D	23,943	8.75		1.63	3.34	1.84			40
6735	RUSTLER 5604A 50HZ TANDEM 5.5TON 70 HP D	62,352	21.39		4.25	8.70	3.67			132

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	ROLLER, VIBRATORY,DD,S/P (CONT'D)									
	TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS									
	RAYGO (CONT'D)									
6740	RUSTLER 7204A 38HZ TANDEM 8 TON 115 HP D	82,528	29.77		5.62	11.52	6.03			250
6745	RANGER 2-66 38HZ TANDEM 8 TON 119 HP D	99,259	34.55		6.76	13.85	6.24			215
	TAMPO									
6755	RS-03 60HZ 36"X24" 2 TON 14 HP D	9,826	3.56		0.67	1.37	0.73			23
6760	RS-144A 50HZ 42"X48" 8 TON 52 HP D	49,876	16.86		3.40	6.97	2.73			100
6765	RS-166A 36HZ 48"X66" 16 TON 80 HP D	75,302	25.55		5.13	10.51	4.20			192
6770	RS-188A 36HZ 60"X84" 30 TON 156 HP D	101,682	37.61		6.92	14.19	8.19			310
6775	RH-199 25HZ 60"X96" 45 TON 262 HP D	152,128	58.14		10.36	21.23	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	119,545	32.41	41.74	7.26	13.79	5.79	16.09	7.57	306
6790	621-B 24 T 14-20 CY P.S. 330 HP D	242,551	63.51	82.75	14.60	28.47	11.43	33.36	15.03	662
6795	623-B 25 T 22 CY P.S. 330 HP D	269,477	69.78	90.34	16.30	30.83	12.74	35.93	16.66	718
6800	627-B 24 T 14-20 CY P.S. 225/225 HP D/D	283,163	80.12	104.85	17.17	33.75	16.48	39.57	21.38	733
6805	627-B PP 24 T 14-20 CY P.S. 225/225 HP D/D	300,630	83.35	108.82	18.26	35.94	16.48	42.14	21.38	772
6810	631-D 37.5T 21-31 CY P.S. 450 HP D	372,162	94.03	121.93	22.49	44.05	15.59	51.62	20.49	934
6815	633-D 37.5T 34 CY P.S. 450 HP D	423,919	105.33	135.67	25.76	48.93	17.37	57.06	22.72	1042
6820	637-D 37.5T 21-31 CY P.S. 450/250 HP D/D	456,919	127.19	165.93	27.76	54.68	25.64	64.13	33.26	1053
6825	637-D PP 37.5T 21-31 CY P.S. 450/250 HP D/D	476,687	130.86	170.44	28.99	57.16	25.64	67.05	33.26	1077
6830	639-D 37.5T 24-34 CY P.S. 450/250 HP D/D	524,890	142.69	187.03	31.80	62.47	25.64	73.25	33.26	1223
6835	651-B 52 T 32-44 CY P.S. 550 HP D	478,070	120.07	155.94	28.85	56.40	19.06	66.07	25.05	1230
6840	657-B 52 T 32-44 CY P.S. 550/400 HP D/D	588,945	166.84	218.08	35.73	70.30	34.80	82.44	45.14	1516

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
	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	168,732	44.55	57.57	10.23	19.38	8.84	22.59	11.56	466
6860	260B 25.0 T 15-21 CY P.S. 325 HP D	227,570	59.77	77.60	13.75	26.90	11.26	31.52	14.80	585
6865	261B 26.5 T 23 CY P.S. 325 HP D	256,565	68.48	89.59	15.37	28.76	12.55	33.47	16.41	635
6870	262B 25.0 T 15-21 CY P.S. 325/171 HP D/D	270,692	79.91	104.73	16.39	32.18	18.17	37.73	23.57	679
6875	263-B 26.5 T 23 CY P.S. 325/171 HP D/D	323,389	89.23	115.88	19.70	38.91	18.17	45.64	23.57	742
	INTERNATIONAL									
6885	412B 13 T 11 CY P.S. 125 HP D	120,445	31.05	39.80	7.34	14.00	4.83	16.34	6.31	335
6890	431B 24 T 14-21 CY P.S. 326 HP D	241,184	62.63	81.33	14.56	28.49	11.30	33.38	14.85	609
6895	433B 24 T 14-21 CY P.S. 326/185 HP D/D	283,226	82.92	108.48	17.17	33.75	18.72	39.58	24.28	700
6900	442B 25 T 22 CY P.S. 326 HP D	269,580	69.13	89.24	16.35	31.01	12.59	36.17	16.46	680
	JOHN DEERE									
6910	JD762A 13.7 T 11 CY P.S. 175 HP D	127,484	34.99	44.84	7.78	14.86	6.76	17.35	8.84	355
6915	JD862 20.0 T 16 CY P.S. 250 HP D	173,437	46.42	59.94	10.53	19.96	9.65	23.27	12.62	492
	TEREX (GM)									
6925	S-23E 26.5T 23 CY P.S. 310 HP D	258,986	66.44	85.88	15.69	29.72	11.97	34.66	15.65	660
6930	S-24B 40.8T 24-34 CY P.S. 475 HP D	400,455	101.30	131.66	24.14	47.19	16.46	55.29	21.63	955
6935	TS-14B 23.5T 14-20 CY P.S. 144/144 HP D/D	256,819	66.93	87.50	15.59	30.67	10.55	35.97	13.69	544
6940	TS-18 30 T 18-24 CY P.S. 295/225 HP D/D	339,243	94.26	122.85	20.63	40.65	19.05	47.67	24.71	721
6945	TS-24 40 T 24-32 CY P.S. 394/225 HP D/D	448,951	121.71	158.72	27.29	53.76	22.67	63.05	29.41	960
6950	TS-24B 40.8T 24-34 CY P.S. 475/242 HP D/D	513,205	140.00	182.85	31.16	61.34	26.26	71.94	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	72,774	12.92	15.43	4.09	7.52	0.00	8.49	0.00	235
6970	ROME 27T 18-26CY HYDR/CONTROL	96,189	17.42	20.87	5.34	9.68	0.00	10.90	0.00	365
	SOUTHWEST									
6980	SOUTHWEST DS18 DRAG SCRAPER 8.8 CY	37,120	6.71	8.03	2.06	3.75	0.00	4.23	0.00	137
	SOIL STABILIZER									
	BOMAG									
6990	MOD MPH-50 12"DEEP BY 82"WIDE 152 HP D	91,703	25.35	32.66	5.67	10.98	5.87	12.84	7.67	208
6995	MOD MPH-100 14.5"DEEP X 79"WIDE 304 HP D	144,558	43.32	56.02	8.92	17.23	11.74	20.14	15.35	300
	BROS									
7005	MOD LSPRM-8A 19"DEEP X 99.75"WIDE 318 HP D	130,686	40.42	51.82	8.11	15.77	12.28	18.45	16.06	300
	TRACTOR, CRAWLER (DOZER)									
	CATERPILLAR									
7015	D-3B P.S. 65 HP D	37,313	11.74	14.96	2.33	4.38	2.64	5.09	3.47	130
7020	3P POWER ANGLE & POWER TILT	7,527	1.56	1.95	0.47	0.91	0.00	1.07	0.00	24
7025	D-4E P.S. 80 HP D	50,965	15.57	19.84	3.18	5.98	3.25	6.96	4.28	184
7030	4A ANGLE BLADE HYDRAULIC	9,062	1.87	2.33	0.57	1.10	0.00	1.29	0.00	28
7035	4S STRAIGHT BLADE HYDRAULIC	7,059	1.46	1.83	0.44	0.85	0.00	1.00	0.00	25
7040	D-5B P.S. 105 HP D	76,826	22.62	28.79	4.80	9.01	4.26	10.48	5.61	234
7045	5A ANGLE BLADE HYDRAULIC	12,073	2.46	3.07	0.76	1.47	0.00	1.71	0.00	43
7050	5S STRAIGHT BLADE HYDRAULIC	9,309	1.91	2.39	0.58	1.13	0.00	1.32	0.00	32
7055	D-6D P.S. 140 HP D	104,420	30.62	38.94	6.52	12.25	5.68	14.24	7.48	283
7060	6S STRAIGHT BLADE HYDRAULIC	12,192	2.48	3.11	0.76	1.48	0.00	1.73	0.00	49
7065	6A ANGLE BLADE HYDRAULIC	13,793	2.79	3.50	0.86	1.67	0.00	1.95	0.00	53
7070	D-7G P.S. 200 HP D	152,160	44.40	56.46	9.50	17.85	8.12	20.76	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	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	AVERAGE COND. FUEL	SEVERE COND. OWNER-SHIP	SEVERE COND. FUEL	CWT
	TRACTOR, CRAWLER (DOZER) (CONT'D)											
	CATERPILLAR (CONT'D)											
7075	7S	STRAIGHT BLADE HYDRAULIC		19,621	3.94	4.96	1.23	2.38	0.00	2.79	0.00	77
7080	7U	HYD. UNIVERSAL BLADE		21,498	4.32	5.42	1.34	2.61	0.00	3.05	0.00	84
7085	7A	ANGLE BLADE HYDRAULIC		17,118	3.45	4.33	1.07	2.07	0.00	2.43	0.00	68
7090	D-8L	P.S.	335 HP D	238,797	66.27	84.49	14.88	28.94	13.60	33.86	17.91	735
7095	8S	STRAIGHT BLADE HYDRAULIC		28,631	5.72	7.19	1.78	3.47	0.00	4.06	0.00	120
7100	8U	HYD. UNIVERSAL BLADE		31,556	6.30	7.92	1.97	3.83	0.00	4.48	0.00	133
7105	8A	ANGLE BLADE HYDRAULIC		28,707	5.73	7.21	1.79	3.48	0.00	4.07	0.00	133
7110		PUSH PLATE USE W/8S		833	0.22	0.26	0.06	0.11	0.00	0.12	0.00	6
7115	D-9L	P.S.	460 HP D	318,779	80.60	100.05	18.49	35.20	18.67	39.89	24.59	1004
7120	9S	STRAIGHT BLADE HYDRAULIC		39,565	7.87	9.90	2.47	4.80	0.00	5.61	0.00	184
7125	9U	HYD. UNIVERSAL BLADE		41,810	8.30	10.46	2.60	5.06	0.00	5.93	0.00	195
7130	9C	CUSHION BLADE		34,850	6.95	8.73	2.18	4.23	0.00	4.94	0.00	160
7135	.	REAR CUSHION PUSH BLOCK		10,307	2.15	2.68	0.64	1.25	0.00	1.46	0.00	41
7140		FRONT PUSH PLATE		1,115	0.30	0.36	0.07	0.14	0.00	0.16	0.00	9
7145	D-10	P.S.	700 HP D	534,815	131.66	163.15	31.03	59.06	28.41	66.91	37.42	1526
7150	10S	STRAIGHT BLADE HYDRAULIC		60,205	11.94	15.03	3.75	7.30	0.00	8.54	0.00	280
7155	10U	HYD. UNIVERSAL BLADE		66,179	13.11	16.50	4.12	8.02	0.00	9.38	0.00	286
7160		FRONT PUSH PLATE		1,290	0.34	0.41	0.09	0.16	0.00	0.19	0.00	8
7165	10C	CUSHION BLADE		44,537	8.85	11.13	2.78	5.40	0.00	6.31	0.00	198
	FIAT-ALLIS											
7175	8-B	P.S.	88 HP D	57,178	17.36	22.13	3.57	6.70	3.57	7.81	4.70	215
7180	8-HA	ANGLE BLADE HYDRAULIC		8,723	1.79	2.25	0.54	1.05	0.00	1.24	0.00	30
7185	8-HSU	SEMI-U BLADE HYDRAULIC		8,710	1.76	2.21	0.54	1.05	0.00	1.23	0.00	30
7190	10-C	P.S.	122 HP D	79,163	24.05	30.65	4.94	9.28	4.95	10.81	6.52	280
7195	10-HA	ANGLE BLADE HYDRAULIC		9,709	1.98	2.48	0.60	1.17	0.00	1.37	0.00	36
7200	10-HSU	SEMI-U BLADE HYDRAULIC		11,884	2.39	3.00	0.74	1.44	0.00	1.69	0.00	38

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

UNIT NO.	EQUIPMENT				VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRACTOR, CRAWLER (DOZER) (CONT'D)												
	FIAT-ALLIS (CONT'D)												
7205	14-C	P.S.	150 HP	D	102,737	30.77	39.19	6.41	12.04	6.09	14.02	8.02	335
7210	14-HA	ANGLE BLADE HYDRAULIC			14,867	3.01	3.77	0.92	1.80	0.00	2.11	0.00	51
7215	14-HSU	SEMI-U BLADE HYDRAULIC			14,844	2.97	3.74	0.92	1.80	0.00	2.11	0.00	51
7220	FD 20	P.S.	223 HP	D	154,628	46.17	58.76	9.65	18.13	9.05	21.09	11.92	535
7225	20-HA	ANGLE BLADE HYDRAULIC			15,819	3.20	4.00	0.99	1.92	0.00	2.24	0.00	66
7230	20-HS	STRAIGHT BLADE HYDRAULIC			16,615	3.35	4.21	1.04	2.01	0.00	2.36	0.00	66
7235	20-HSU	SEMI-U BLADE HYDRAULIC			22,561	4.49	5.64	1.40	2.73	0.00	3.19	0.00	79
7240	FD 30	P.S.	300 HP	D	247,198	66.23	84.33	15.40	29.96	12.18	35.05	16.04	775
7245	30HSU	HYD. SEMI-UNIVERSAL BLADE			31,408	6.24	7.84	1.96	3.81	0.00	4.45	0.00	127
7250	30-HU	FULL-U BLADE HYDRAULIC			31,887	6.32	7.96	1.99	3.86	0.00	4.52	0.00	114
7255	31	P.S.	425 HP	D	290,837	81.57	104.03	18.13	35.25	17.25	41.24	22.72	908
7260	31-HSU	SEMI-U BLADE HYDRAULIC			47,283	9.36	11.78	2.95	5.73	0.00	6.70	0.00	190
7265	31-HU	FULL-U BLADE HYDRAULIC			48,434	9.59	12.06	3.02	5.87	0.00	6.86	0.00	210
7270	31-HC	CUSHION BLADE			30,369	6.06	7.62	1.90	3.68	0.00	4.31	0.00	120
7275	FD 40	P.S.	455 HP	D	353,911	86.73	107.42	20.54	39.09	18.47	44.27	24.32	1128
7280	41-HSU	SEMI-U BLADE HYDRAULIC			54,647	10.81	13.62	3.40	6.62	0.00	7.75	0.00	222
7285	41-HU	FULL-U BLADE HYDRAULIC			62,588	12.37	15.58	3.90	7.58	0.00	8.87	0.00	254
7290	41-HC	CUSHION BLADE			34,840	6.94	8.73	2.17	4.22	0.00	4.94	0.00	120
	INTERNATIONAL												
7300	TD-7-E	P.S. W/HYD BLADE	65 HP	D	46,996	13.88	17.67	2.93	5.51	2.64	6.42	3.47	139
7305	TD-8-E	P.S. W/HYD BLADE	78 HP	D	58,938	17.22	21.90	3.68	6.91	3.17	8.04	4.17	172
7310	TD-12	P.S. W/HYD BLADE	110 HP	D	86,257	24.99	31.77	5.39	10.12	4.46	11.77	5.88	267
7315	TD-15-C	P.S.	140 HP	D	113,738	32.68	41.54	7.10	13.34	5.68	15.52	7.48	271
7320	15D-2	HYD. SEMI-UNIVERSAL BLADE			12,121	2.44	3.06	0.76	1.47	0.00	1.72	0.00	46
7325	15G-2	ANGLE BLADE HYDRAULIC			13,671	2.73	3.44	0.85	1.65	0.00	1.94	0.00	50
7330	TD-20-E	P.S.	210 HP	D	173,640	49.68	63.15	10.84	20.36	8.52	23.69	11.23	476

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)									
	INTERNATIONAL (CONT'D)									
7335	20D-2 HYD. SEMI-UNIVERSAL BLADE	21,478	4.29	5.39	1.34	2.61	0.00	3.05	0.00	61
7340	20G-2 ANGLE BLADE HYDRAULIC	14,464	2.90	3.64	0.91	1.76	0.00	2.05	0.00	71
7345	TD-25-E P.S. 310 HP D	229,275	63.04	80.33	14.29	27.79	12.58	32.51	16.57	700
7350	25D-2 HYD. SEMI-UNIVERSAL BLADE	26,392	5.25	6.60	1.65	3.20	0.00	3.74	0.00	113
7355	25G-2 ANGLE BLADE HYDRAULIC	21,761	4.34	5.46	1.36	2.64	0.00	3.09	0.00	115
7360	FRONT PUSHER CUSHION	9,174	1.88	2.36	0.57	1.11	0.00	1.30	0.00	29
7365	REAR PUSHER CUSHION	5,320	1.18	1.45	0.34	0.65	0.00	0.75	0.00	23
7370	FRONT PUSH BLK FOR S/BLD	818	0.23	0.29	0.05	0.09	0.00	0.12	0.00	12
	JOHN DEERE									
7380	JD350C/6305 D.D. W/HYD BLADE 42 HP D	31,698	9.27	11.80	1.98	3.72	1.70	4.33	2.25	107
7385	JD450C/6405 D.D. W/HYD BLADE 65 HP D	46,059	13.67	17.40	2.87	5.40	2.64	6.28	3.47	143
7390	JD550/6405 P.S. W/HYD BLADE 72 HP D	55,218	16.09	20.46	3.45	6.48	2.92	7.54	3.85	156
	KOMATSU									
7400	D31A-16 H.S. 63 HP D	38,519	11.91	15.17	2.41	4.52	2.56	5.25	3.37	128
7405	ANGLE TILTDOZER BLADE	6,246	1.28	1.59	0.39	0.76	0.00	0.88	0.00	20
7410	D45A-1 H.S. 90 HP D	57,830	17.62	22.45	3.61	6.78	3.65	7.89	4.81	200
7415	ANGLE TILTDOZER BLADE	4,452	0.93	1.15	0.28	0.54	0.00	0.63	0.00	24
7420	D53A-16A H.S. 118 HP D	84,793	25.08	31.93	5.29	9.94	4.79	11.57	6.31	246
7425	ANGLE TILTDOZER BLADE	7,412	1.51	1.89	0.47	0.90	0.00	1.05	0.00	42
7430	D65E-6 H.S. 155 HP D	119,584	34.76	44.23	7.47	14.02	6.29	16.32	8.29	377
7435	ANGLE TILTDOZER BLADE	9,670	1.95	2.45	0.60	1.17	0.00	1.37	0.00	61
7440	D85A-18 H.S. 220 HP D	150,547	45.11	57.42	9.39	17.65	8.93	20.54	11.76	437
7445	ANGLE TILTDOZER BLADE	15,129	3.03	3.80	0.95	1.84	0.00	2.14	0.00	99
7450	U-DOZER BLADE	16,144	3.23	4.05	1.01	1.96	0.00	2.28	0.00	104
7455	D155A-1 H.S. 320 HP D	216,659	60.95	77.73	13.50	26.26	12.99	30.72	17.11	690
7460	ANGLE TILTDOZER BLADE	20,759	4.14	5.21	1.30	2.52	0.00	2.95	0.00	140

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

UNIT NO.	EQUIPMENT				VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRACTOR, CRAWLER (DOZER) (CONT'D)												
	KOMATSU (CONT'D)												
7465		U-DOZER BLADE			21,932	4.37	5.49	1.37	2.66	0.00	3.11	0.00	142
7470	D355A-3	H.S.	410 HP	D	291,610	80.97	103.22	18.17	35.34	16.64	41.34	21.92	945
7475		U-DOZER BLADE			28,209	5.59	7.05	1.75	3.41	0.00	4.00	0.00	196
7480		STRAIGHT DOZER BLADE			25,677	5.11	6.42	1.61	3.12	0.00	3.64	0.00	184
7485	D455A-1	H.S.	620 HP	D	516,486	124.39	153.92	29.97	57.04	25.17	64.62	33.15	1445
7490		FULL U-DOZER BLADE			68,204	13.47	16.98	4.25	8.26	0.00	9.67	0.00	229
7495		U-DOZER BLADE			64,107	12.67	15.96	4.00	7.77	0.00	9.09	0.00	211
7500		STRAIGHT DOZER BLADE			60,009	11.86	14.95	3.74	7.27	0.00	8.51	0.00	193
	TEREX (GM)												
7510	82-20B	P.S. (W/O BLADE)	205 HP	D	173,879	49.46	62.86	10.85	20.39	8.32	23.72	10.96	428
7515		SEMI-U BLADE HYDRAULIC			15,260	3.05	3.84	0.95	1.85	0.00	2.17	0.00	58
7520		ANGLE BLADE HYDRAULIC			17,078	3.41	4.30	1.07	2.07	0.00	2.43	0.00	69
7525		FULL-U BLADE HYDRAULIC			17,489	3.49	4.39	1.09	2.12	0.00	2.48	0.00	68
7530	82-30B	P.S. (W/O BLADE)	260 HP	D	206,690	55.84	71.11	12.88	25.05	10.55	29.30	13.90	603
7535		SEMI-U BLADE HYDRAULIC			21,563	4.29	5.40	1.34	2.61	0.00	3.06	0.00	91
7540		ANGLE BLADE HYD. W/DUAL TILT			28,276	5.62	7.06	1.77	3.43	0.00	4.00	0.00	118
7545		FULL-U BLADE HYDRAULIC			24,467	4.86	6.12	1.52	2.96	0.00	3.47	0.00	107
7550		REAR CUSHION PUSH BLOCK			7,094	1.52	1.88	0.44	0.86	0.00	1.01	0.00	30
7555	82-50	P.S. (W/O BLADE)	370 HP	D	291,626	78.94	100.56	18.17	35.34	15.02	41.35	19.78	833
7560		SEMI-U BLADE HYDRAULIC			28,175	5.59	7.04	1.75	3.41	0.00	3.99	0.00	118
7565		FULL-U BLADE HYDRAULIC			30,880	6.13	7.72	1.93	3.74	0.00	4.38	0.00	129
7570		ANGLE BLADE HYDRAULIC			27,349	5.44	6.83	1.71	3.32	0.00	3.87	0.00	157
7575		PUSH PLATE (WELD ON)			1,139	0.28	0.33	0.07	0.14	0.00	0.16	0.00	6
7580		PUSH BLOCK (CUSHION REAR)			6,546	1.40	1.74	0.41	0.79	0.00	0.93	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	156,737	39.40	51.59	9.60	18.47	7.90	21.58	10.39	494
7595	824-C ARTICULATED ST BLADE P.S. 300 HP D	231,609	59.23	79.42	14.04	26.73	11.29	31.19	14.85	624
	CLARK									
7605	280B ARTICULATED ST BLADE P.S. 302 HP D	252,998	63.27	84.66	15.36	29.27	11.36	34.16	14.95	749
7610	380B ARTICULATED ST BLADE P.S. 572 HP D	429,699	108.48	144.94	25.83	48.70	21.52	56.76	28.31	1253
	TRACTOR, WHEEL TYPE (FARM)									
	JOHN DEERE									
7620	MOD 301 A 43 HP D	13,491	4.59	6.03	0.82	1.58	1.62	1.84	2.13	38
7625	MOD 302 50 HP D	15,198	5.22	6.83	0.93	1.78	1.88	2.09	2.47	42
7630	MOD 401 B 62 HP D	17,192	6.17	8.08	1.05	2.01	2.33	2.35	3.07	45
	TRENCHER, CHAIN - DITCH WITCH									
7640	MOD C99 6"X24" TRENCH 9 HP G	3,428	1.64	2.12	0.21	0.40	0.69	0.46	0.91	6
7645	MOD 2200 8"X36" TRENCH 18 HP G	15,171	5.03	6.45	0.94	1.80	1.39	2.11	1.81	30
7650	MOD 2300 10"X36" TRENCH 28 HP G	17,378	6.52	8.35	1.08	2.07	2.16	2.41	2.82	33
7655	MOD 6510 12"X54" TRENCH 64 HP D	38,293	11.19	14.31	2.37	4.54	2.41	5.29	3.17	72
7660	MOD R100 10"X72" TRENCH 101 HP D	83,059	22.40	28.58	5.15	9.87	3.80	11.52	5.00	95
	TRENCHER, WHEEL TYPE									
	BARBER-GREENE									
7670	MOD TA 56 16"X5'-10" TRENCH 100 HP D	134,999	33.12	42.10	8.41	16.25	3.76	19.00	4.95	250
7675	MOD TA 65 28"X7'-6" TRENCH 175 HP D	194,583	49.24	62.62	12.13	23.43	6.58	27.38	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	143,622	34.17	43.36	8.95	17.29	3.16	20.21	4.16	277
7690	MOD 400W-HD-1 36"X9' TRENCH 175 HP D	251,375	61.14	77.66	15.67	30.26	6.58	35.37	8.66	659
	TRUCKS, HIGHWAY (CHASSIS ONLY)									
	FORD									
7705	F150 4X2 1/2T PKUP 6100 GVW 157 HP G	7,119	5.68	7.37	0.54	1.17	2.76	1.34	3.67	38
7710	F150 4X4 1/2T PKUP 6250 GVW 157 HP G	8,844	6.18	8.00	0.67	1.46	2.76	1.68	3.67	42
7715	F250 4X2 3/4T PKUP 6900 GVW 157 HP G	7,577	5.84	7.55	0.57	1.22	2.76	1.40	3.67	40
7720	F250 4X4 3/4T PKUP 7400 GVW 157 HP G	9,176	6.32	8.18	0.70	1.50	2.76	1.72	3.67	44
7725	F350 2AX 10000 GVW 157 HP G	8,665	6.20	8.03	0.64	1.37	2.76	1.58	3.67	42
7730	F600 2AX 18500 GVW 154 HP G	15,706	11.81	15.32	1.03	2.03	6.31	2.50	8.11	65
7735	F600 2AX 18500 GVW 162 HP D	21,718	9.43	12.43	1.44	2.85	3.69	3.52	4.80	65
7740	F700 2AX 24500 GVW 177 HP G	18,193	13.57	17.61	1.21	2.38	7.25	2.92	9.32	65
7745	F700 2AX 24500 GVW 162 HP D	24,534	10.03	13.21	1.64	3.25	3.69	4.00	4.80	73
7750	F800 2AX 27000 GVW 177 HP G	20,462	14.08	18.30	1.36	2.66	7.25	3.27	9.32	72
7755	F800 2AX 27000 GVW 162 HP D	26,144	10.63	13.98	1.71	3.34	3.69	4.10	4.80	76
7760	LT800 3AX 43000 GVW 223 HP G	31,232	24.88	32.36	2.06	4.04	13.57	4.97	17.48	110
7765	LT8000 3AX 44800 GVW 175 HP D	42,999	17.15	22.62	2.85	5.60	5.98	6.89	7.78	126
7770	LTS8000 3AX 46000 GVW 175 HP D	45,003	17.58	23.18	2.98	5.87	5.98	7.22	7.78	130
7775	LNT8000 3AX 46000 GVW 175 HP D	42,551	17.07	22.50	2.82	5.53	5.98	6.80	7.78	124
7780	CT8000 3AX 46000 GVW 175 HP D	49,644	18.54	24.47	3.30	6.51	5.98	8.01	7.78	136
7785	LT9000 3AX 58000 GVW 82000 GCW 239 HP D	65,302	24.78	32.71	4.34	8.56	8.17	10.54	10.63	172
7790	LTS9000 3AX 60000 GVW 82000 GCW 239 HP D	69,357	25.66	33.87	4.60	9.07	8.17	11.16	10.63	180
7795	LNT9000 3AX 60000 GVW 82000 GCW 239 HP D	65,769	24.92	32.89	4.36	8.58	8.17	10.56	10.63	175
7800	CLT9000 3AX 82000 GCW 286 HP D	64,784	26.64	35.14	4.31	8.52	9.78	10.50	12.72	149

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	TRUCKS, HIGHWAY (CONT'D) ********** (CHASSIS ONLY)									
	GMC AND CHEVROLET									
7810	C10903 4X2 1/2T PKUP 6100 GVW 165 HP G	8,193	6.18	8.01	0.62	1.34	2.90	1.54	3.86	46
7815	C10906 4X2 SUBURBAN 6800 GVW 160 HP G	10,487	6.70	8.63	0.80	1.73	2.81	1.99	3.74	52
7820	K10906 4X4 SUBURBAN 7000 GVW 165 HP G	11,405	7.09	9.14	0.87	1.89	2.90	2.17	3.86	56
7825	C20903 4X2 3/4T PKUP 8600 GVW 165 HP G	10,782	6.90	8.90	0.82	1.77	2.90	2.04	3.86	49
7830	K20903 4X4 3/4T PKUP 6600 GVW 165 HP G	11,007	6.99	9.02	0.84	1.81	2.90	2.08	3.86	54
7835	C30903 2AX 9000 GVW 160 HP G	10,545	6.80	8.76	0.79	1.69	2.81	1.95	3.74	62
7840	C5D042 2AX 18500 GVW 161 HP G	14,350	11.90	15.44	0.94	1.84	6.59	2.27	8.48	59
7845	C6D042 2AX 19200 GVW 161 HP G	15,634	12.17	15.79	1.03	2.02	6.59	2.48	8.48	64
7850	C6D042 2AX 21200 GVW 165 HP D	20,320	9.25	12.16	1.35	2.67	3.76	3.28	4.89	73
7855	C7D042 2AX 23160 GVW 179 HP G	16,696	13.41	17.40	1.10	2.14	7.33	2.63	9.42	73
7860	C7D042 2AX 27500 GVW 185 HP D	29,127	11.79	15.52	1.94	3.81	4.22	4.68	5.48	92
7865	C7D064 3AX 48500 GVW 207 HP G	31,989	23.90	31.10	2.09	4.06	12.59	4.99	16.23	126
7870	C7D064 3AX 44860 GVW 205 HP D	36,269	17.14	22.53	2.39	4.66	7.01	5.72	9.11	128
7875	J8C042 2AX 35000 GVW 235 HP D	38,944	18.80	24.72	2.59	5.11	8.04	6.29	10.45	112
7880	J8C064 3AX 44860 GVW 210 HP D	40,185	18.16	23.90	2.65	5.19	7.18	6.38	9.34	134
7885	J9C042 2AX 35000 GVW 230 HP D	45,031	16.46	21.73	3.00	5.94	5.24	7.32	6.82	118
7890	J9C064 3AX 50000 GVW 335 HP D	54,722	26.63	35.03	3.63	7.18	11.46	8.85	14.89	148
7895	N9E064 3AX 56000 GVW 307 HP D	63,244	27.28	35.91	4.19	8.28	10.50	10.19	13.65	165
7900	N9E064 3AX 62000 GVW 307 HP D	63,515	27.47	36.16	4.20	8.26	10.50	10.16	13.65	168
	INTERNATIONAL									
7910	SCOUT 4X4 6200 GVW 97 HP G	8,270	4.62	5.97	0.62	1.35	1.70	1.56	2.27	30
7915	1624 2AX 20000 GVW 147 HP G	12,516	10.70	13.87	0.83	1.63	6.02	2.00	7.74	57
7920	1724 2AX 20000 GVW 147 HP G	12,943	10.79	14.00	0.86	1.69	6.02	2.08	7.74	65
7925	1754 2AX 20000 GVW 165 HP D	18,104	8.72	11.46	1.21	2.40	3.76	2.95	4.89	71
7930	1824 2AX 21000 GVW 189 HP G	13,750	13.23	17.13	0.92	1.80	7.74	2.22	9.95	68
7935	1854 2AX 23000 GVW 180 HP D	20,706	9.76	12.84	1.38	2.72	4.10	3.35	5.34	74

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	TRUCKS, HIGHWAY (CONT'D)									
	**********									
	(CHASSIS ONLY)									
	INTERNATIONAL (CONT'D)									
7940	1924 2AX 25000 GVW 190 HP G	16,111	13.84	17.94	1.06	2.09	7.78	2.57	10.00	79
7945	1954 2AX 25000 GVW 210 HP D	26,741	11.89	15.63	1.79	3.55	4.79	4.37	6.22	100
7950	F2554 3AX 43000 GVW 210 HP D	44,452	19.03	25.08	2.94	5.77	7.18	7.11	9.34	123
7955	F2574 3AX 50000 GVW 230 HP D	53,271	21.74	28.65	3.54	6.99	7.87	8.60	10.23	123
7960	F4370 3AX 46000 GVW 290 HP D	56,075	24.94	32.84	3.73	7.37	9.92	9.08	12.89	133
7965	F5050 3AX 52000 GVW 225 HP D	54,232	21.71	28.63	3.60	7.12	7.69	8.76	10.00	138
7970	F5070 3AX 52000 GVW 290 HP D	58,267	25.39	33.45	3.88	7.67	9.92	9.45	12.89	140
	KENWORTH									
7980	K100 3AX 47400 GVW 72800 GCW 290 HP D	71,794	28.22	37.23	4.79	9.51	9.92	11.72	12.89	138
7985	W900 3AX 50000 GVW 76800 GCW 290 HP D	73,105	28.50	37.59	4.89	9.70	9.92	11.94	12.89	140
7990	C500 3AX 56000 GVW 86000 GCW 290 HP D	80,659	30.05	39.69	5.40	10.73	9.92	13.23	12.89	144
	PETERBILT									
8000	MOD 348 3AX 56000 GVW 250 HP D	69,236	26.02	34.32	4.60	9.10	8.55	11.21	11.11	121
8005	MOD 362 3AX 50000 GVW 76800 GCW 350 HP D	76,281	31.77	41.90	5.10	10.13	11.97	12.49	15.56	131
8010	MOD 359 3AX 50000 GVW 76800 GCW 350 HP D	82,397	33.02	43.58	5.51	10.96	11.97	13.52	15.56	134
8015	MOD 353 3AX 73000 GVW 125000 GCW 350 HP D	85,609	33.69	44.48	5.73	11.41	11.97	14.07	15.56	174
8020	MOD 387 3AX 83000 GVW 150000 GCW 350 HP D	115,366	39.82	52.70	7.75	15.49	11.97	19.11	15.56	193
	TRUCK ACCESSORIES									
	**********									
	(CHASIS NOT INCLUDED)									
	CRANES, HYDRAULIC									
8030	5.3T@5'RAD 24000 GVW MIN	23,495	5.34		1.60	3.34	0.00			79
8035	8.0T@3'RAD 26500 GVW MIN	28,519	6.46		1.95	4.06	0.00			84
8040	12.5T@4'RAD 27000 GVW MIN	44,242	9.97		3.02	6.30	0.00			142
8045	13.5T@4'RAD 44000 GVW MIN	55,268	12.43		3.78	7.87	0.00			158
8050	15.0T@4'RAD 48000 GVW MIN	62,956	14.14		4.30	8.96	0.00			211

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRUCK ACCESSORIES (CONT'D)									
	**********									
	(CHASIS NOT INCLUDED)									
	DUMP BODY, REAR, W/HOIST									
8060	5CY 24000 TO 26000 GVW	5,942	1.42	1.87	0.41	0.85	0.00	1.05	0.00	26
8065	AIR GATE 8CY 27000 TO 30000 GVW	9,383	2.19	2.90	0.64	1.34	0.00	1.66	0.00	44
8070	AIR GATE 10CY 36000 AND UP GVW	9,487	2.21	2.94	0.65	1.35	0.00	1.68	0.00	45
8075	AIR GATE 12CY 36000 AND UP GVW	9,622	2.24	2.97	0.66	1.37	0.00	1.70	0.00	46
	FLATBEDS									
8085	8'X9.5'	1,907	0.42		0.13	0.27	0.00			11
8090	8'X10.5'	1,966	0.44		0.14	0.28	0.00			12
8095	8'X12.5'	2,146	0.47		0.14	0.30	0.00			14
8100	8'X14.5'	2,552	0.57		0.17	0.36	0.00			16
8105	8'X16.5'	2,795	0.63		0.19	0.40	0.00			18
8110	FLATBED-HOIST	2,669	0.60		0.19	0.38	0.00			10
8115	FLATBED-SIDEBOARDS	766	0.17		0.05	0.11	0.00			3
	HOISTS, ELECTRIC									
8125	1500LB@1.75'	2,078	0.56		0.14	0.30	0.00			4
8130	2400LB@3'	2,677	0.69		0.19	0.38	0.00			6
8135	5000LB@4'	7,300	1.72		0.50	1.04	0.00			15
8140	6000LB@6'	8,130	1.90		0.55	1.15	0.00			14
	TRANSIT MIXERS									
8150	7 CY 40000 - 50000 GVW RQD	25,850	5.89		1.76	3.67	0.00			63
8155	8 CY 50000 - 70000 GVW RQD	26,246	5.98		1.79	3.73	0.00			66
8160	8.5CY 55000 - 75000 GVW RQD	26,512	6.04		1.81	3.77	0.00			68
8165	9 CY 61000 - 80000 GVW RQD	26,883	6.13		1.84	3.83	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	11,498	2.57		0.79	1.64	0.00			35
8180	2500 GAL 25000-34950 GVW	12,108	2.71		0.83	1.73	0.00			39
8185	3000 GAL 29000-40000 GVW	12,863	2.87		0.88	1.83	0.00			44
	TRUCK TRAILERS **********									
	BOTTOM DUMP									
8195	18CY 27T	28,086	5.32	6.63	1.69	3.20	0.00	3.73	0.00	122
8200	20CY 30T	32,324	6.08	7.58	1.97	3.73	0.00	4.34	0.00	140
8205	30CY 30T	31,959	6.01	7.50	1.94	3.68	0.00	4.29	0.00	160
8210	28CY 42T	40,513	7.60	9.48	2.45	4.65	0.00	5.42	0.00	180
8215	20CY 35T OFF-HIGHWAY	42,414	7.94	9.92	2.57	4.89	0.00	5.71	0.00	175
8220	32CY 55T OFF-HIGHWAY	89,655	17.13	21.33	5.35	9.97	0.00	11.60	0.00	365
8225	43CY 70T OFF-HIGHWAY	99,796	19.18	23.86	5.94	11.02	0.00	12.80	0.00	445
	END DUMP									
8235	20CY 24T	33,381	6.26	7.81	2.03	3.85	0.00	4.49	0.00	146
	LOWBOY, RIGID NECK, DROP DECK									
8245	25 TON 2 AXLE	20,889	3.59		1.27	2.13	0.00			89
8250	30 TON 2 AXLE	23,791	4.07		1.44	2.43	0.00			94
8255	35 TON 2 AXLE	28,846	4.88		1.76	2.97	0.00			109
8260	35 TON 3 AXLE	29,355	5.06		1.77	2.98	0.00			134
8265	40 TON 3 AXLE	31,041	5.37		1.87	3.13	0.00			144
8270	50 TON 3 AXLE	33,857	5.85		2.04	3.41	0.00			161
8275	60 TON 3 AXLE	37,292	6.47		2.23	3.71	0.00			189
8280	70 TON 3 AXLE	49,396	8.37		3.00	5.05	0.00			213
8285	75 TON 3 AXLE	50,404	8.54		3.06	5.17	0.00			238

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	59,174	9.99		3.60	6.10	0.00			266
8295	90 TON 4 AXLE	65,287	11.01		3.97	6.72	0.00			297
8300	110 TON 4 AXLE	71,554	12.06		4.36	7.37	0.00			313
8305	120 TON 4 AXLE	81,271	13.93		4.89	8.17	0.00			351
8310	HELPER DOLLY 60 T TRAILER MAX	17,028	3.04		1.02	1.67	0.00			62
	PLATFORM TRAILERS									
8320	25 TON 2 AXLE	15,929	2.87		0.95	1.55	0.00			110
	PUP TRAILERS									
8330	8 CY LONG TONGUE	19,823	3.50		1.19	1.98	0.00			86
8335	10CY LONG TONGUE	19,979	3.51		1.20	1.99	0.00			86
	TILT TRAILERS									
8345	12 TON 2 AXLE	10,287	1.88		0.61	1.00	0.00			62
8350	16 TON 2 AXLE	10,589	1.94		0.63	1.03	0.00			65
8355	20 TON 2 AXLE	12,027	2.21		0.71	1.15	0.00			67
	WATER TANKER TRAILERS									
8365	4000 GAL 63 HP D	30,243	7.55		1.75	3.18	2.37			120
8370	5000 GAL 63 HP D	31,869	7.86		1.81	3.26	2.37			150
8375	6000 GAL 63 HP D	33,276	8.07		1.90	3.41	2.37			160
	TRUCKS, OFF-HIGHWAY									
	CATERPILLAR									
8385	769-C 35T 22-30 CY P.S. 450 HP D	281,547	62.88	80.13	16.03	29.97	10.69	33.88	13.81	711
8390	773-B 50T 30-45 CY P.S. 650 HP D	395,880	90.39	116.00	22.44	41.76	15.44	47.18	19.95	908
8395	777 85T 47-67 CY P.S. 870 HP D	550,848	122.54	157.05	30.97	57.11	20.67	64.47	26.70	1391
8400	768C PRIME MOVER TRACTOR P.S. 450 HP D	251,307	58.14	74.40	14.28	26.62	10.69	30.09	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	377,368	89.54	116.23	21.23	39.17	15.44	44.21	19.95	707
	DJB (ARTICULATED FRAME)									
8415	D275B 27.5T 15-20 CY P.S. 235 HP D	184,233	38.85	49.16	10.46	19.47	5.58	21.99	7.21	424
8420	D330B 33T 17-23 CY P.S. 255 HP D	222,119	45.55	57 39	12.64	23.62	6.06	26.69	7.83	444
8425	D350B 35T 20-26 CY P.S. 255 HP D	231,893	48.93	62.58	13.04	24.03	6.06	27.12	7.83	472
8430	D550 55T 32-43 CY P.S. 450 HP D	388,296	82.01	104.57	21.88	40.46	10.69	45.68	13.81	834
	EUCLID									
8440	R25-215FD 25T 14-19 CY P.S. 214 HP D	183,961	37.49	47.37	10.45	19.51	5.08	22.06	6.57	404
8445	R35-302TD 35T 22-30 CY P.S. 450 HP D	293,225	64.27	81.54	16.73	31.37	10.69	35.48	13.81	623
8450	R50-301LD 50T 31-41 CY P.S. 608 HP D	386,296	87.56	112.47	21.88	40.69	14.45	45.98	18.66	836
8455	R75-301ND 75T 46-69 CY P.S. 646 HP D	516,187	109.14	139.57	29.06	53.67	15.35	60.59	19.83	1123
8460	R85-306ND 85T 52-67 CY P.S. 755 HP D	531,300	115.85	148.64	29.84	54.94	17.94	62.01	23.17	1227
	INTERNATIONAL									
8470	350B 50T 31-42 CY P.S. 580 HP D	374,594	83.65	107.16	21.36	40.02	13.78	45.26	17.80	740
	TEREX									
8480	33-03B 22T 15-18 CY P.S. 215 HP D	162,387	34.90	44.48	9.24	17.27	5.11	19.53	6.60	400
8485	33-05B 30T 19-23 CY P.S. 321 HP D	234,971	50.88	64.88	13.37	24.98	7.63	28.24	9.85	525
8490	33-07 40T 25-32 CY P.S. 493 HP D	291,241	68.66	89.05	16.40	30.27	11.71	34.17	15.13	756
8495	33-09 55T 34-44 CY P.S. 624 HP D	393,259	91.20	118.19	22.15	40.92	14.83	46.21	19.15	992
8500	33-11C 85T 51-65 CY P.S. 840 HP D	553,657	122.04	156.35	31.14	57.42	19.96	64.81	25.78	1350
	WABCO									
8510	HAULPAK35D 35T 23-29 CY P.S. 420 HP D	290,959	63.40	80.69	16.57	31.01	9.98	35.06	12.89	630
8515	HAULPAK50B 50T 31-40 CY P.S. 576 HP D	405,323	89.53	114.76	22.99	42.80	13.69	48.36	17.68	792
8520	HAULPAK60B 60T 34-48 CY P.S. 642 HP D	438,046	98.78	127.42	24.75	45.88	15.25	51.83	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	492,305	105.90	135.36	27.74	51.27	16.13	57.88	20.84	950
8530	85D 85T 47-67 CY P.S. 818 HP D	547,470	120.38	154.27	30.78	56.74	19.44	64.04	25.10	1240
	TRUCKS, WATER									
	TRACTOR DRAWN - KLEIN									
8540	KT-50 5000 GAL. CAT 613B P.S. 150 HP D	129,858	28.01	34.27	7.47	12.98	5.64	14.52	7.42	320
8545	KT-60 6000 GAL. CAT 621B P.S. 330 HP D	228,433	53.05	65.34	13.05	22.49	12.41	25.14	16.33	564
8550	KT-80 8000 GAL. CAT 631D P.S. 450 HP D	314,728	73.15	90.15	17.93	30.82	16.93	34.44	22.27	740
8555	KT-100 10000 GAL. CAT 631D P.S. 450 HP D	322,715	74.36	91.58	18.40	31.66	16.93	35.39	22.27	798
8560	KT-100 10000 GAL. CAT 641B P.S. 550 HP D	363,029	86.17	106.40	20.65	35.39	20.69	39.54	27.22	931
8565	KT-120 12000 GAL. CAT 651B P.S. 550 HP D	382,301	89.08	109.81	21.77	37.41	20.69	41.80	27.22	1097
	TRACTOR DRAWN - SOUTHWEST									
8575	STT-60 6000 GAL. CAT 621B P.S. 330 HP D	226,391	52.74	64.98	12.93	22.28	12.41	24.90	16.33	594
8580	STT-80 8000 GAL. CAT 631D P.S. 450 HP D	312,837	72.87	89.82	17.82	30.62	16.93	34.22	22.27	800
8585	STT-100 10000 GAL. CAT 631D P.S. 450 HP D	316,841	73.47	90.54	18.05	31.04	16.93	34.70	22.27	840
8590	STT-120 12000 GAL. CAT 651B P.S. 550 HP D	385,861	89.61	110.45	21.98	37.78	20.69	42.23	27.22	1054
8595	STT-140 14000 GAL. CAT 651B P.S. 550 HP D	391,618	90.48	111.47	22.32	38.38	20.69	42.90	27.22	1089
	WAGONS, BOTTOM DUMP									
	CATERPILLAR-ATHEY									
8605	621B/PW621B 33T 22-26CY P.S. 330 HP D	241,723	58.16	75.08	13.65	25.28	12.41	28.56	16.33	579
8610	768B/PW768C 63T 42-48CY P.S. 450 HP D	370,258	86.34	111.00	20.83	38.43	16.93	43.39	22.27	935
8615	772B/PW772B 100T 60-67CY P.S. 650 HP D	590,590	139.47	182.84	32.97	60.28	24.45	67.98	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	220,276	52.20	67.46	12.39	22.85	10.42	25.80	13.71	483
8630	B70-203LDT147W 70T 47-62CY P.S. 423 HP D	375,492	81.64	102.89	21.43	40.19	15.91	45.45	20.94	934
	WAGONS, REAR DUMP									
	CATERPILLAR-ATHEY									
8640	621B/PR621B 33T 22-26CY P.S. 330 HP D	254,134	60.21	77.61	14.35	26.60	12.41	30.04	16.33	630
8645	631D/PR631D 40T 27-32CY P.S. 450 HP D	361,246	84.34	108.54	20.44	37.95	16.93	42.87	22.27	833
	WATER BLASTER									
	AMERICAN AERO									
8655	WBD 90 10000 PSI @ 10 GPM W/2 NOZ 91 HP D TRAILER MOUNTED	32,427	17.66		2.52	5.70	5.05			42
8660	WBDI50 10000 PSI @ 20 GPM W/2 NOZ 160 HP D TRAILER MOUNTED	49,081	28.31		3.83	8.65	8.87			70
	WATER TANKS									
	SKID MOUNTED									
8670	WST-8 8000 GAL. SOUTHWEST	14,760	2.17		0.86	1.59	0.00			107
8675	WST-10 10000 GAL. SOUTHWEST	17,202	2.52		1.00	1.85	0.00			122
8680	WST-12 12000 GAL. SOUTHWEST	20,015	2.94		1.17	2.16	0.00			142
	PORTABLE (WITH WHEELS)									
8690	EWT-8 8000 GAL. SOUTHWEST 8 HP G	26,946	4.81		1.56	2.83	0.62			130
8695	EWT-10 10000 GAL. SOUTHWEST 8 HP G	30,420	5.30		1.75	3.19	0.62			170
8700	EWT-12 12000 GAL. SOUTHWEST 8 HP G	33,749	5.79		1.95	3.55	0.62			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	2,030	1.38		0.14	0.28	0.78			7
8715	600 AMP SKID MTD 25 HP E	2,572	1.74		0.18	0.36	0.97			9
	GASOLINE ENGINE DRIVE									
8725	200 AMP W/1 AXLE TRLR 14 HP G	2,627	2.37		0.20	0.42	1.33			11
8730	250 AMP W/1 AXLE TRLR 65 HP G	5,046	9.02		0.38	0.83	6.16			17
8735	300 AMP W/1 AXLE TRLR 65 HP G	5,167	9.05		0.39	0.85	6.16			17
8740	400 AMP W/1 AXLE TRLR 69 HP G	6,042	9.77		0.46	1.00	6.54			21
8745	650 AMP W/2 AXLE TRLR 85 HP G	7,648	12.09		0.58	1.25	8.06			22
	DIESEL ENGINE DRIVE									
8755	250 AMP W/1 AXLE TRLR 38 HP D	6,632	4.02		0.51	1.11	1.77			21
8760	300 AMP W/1 AXLE TRLR 38 HP D	6,692	4.03		0.51	1.11	1.77			21
8765	350 AMP W/2 AXLE TRLR 63 HP D	8,472	5.95		0.64	1.39	2.93			25
8770	400 AMP W/2 AXLE TRLR 64 HP D	8,249	5.95		0.62	1.35	2.98			30
	MIG									
8780	250AMP W/WIRE FEED AND SHOP GEAR 10 HP E	2,802	1.03		0.20	0.39	0.39			5
8785	300AMP W/WIRE FEED AND SHOP GEAR 20 HP E	2,962	1.55		0.20	0.40	0.78			5
	RECTIFIER									
8795	250 AMP W/SHOP RUNNING GEAR 19 HP E	1,766	1.28		0.12	0.24	0.74			4
8800	300 AMP W/SHOP RUNNING GEAR 24 HP E	1,905	1.58		0.14	0.27	0.94			6
8805	500 AMP W/SHOP RUNNING GEAR 30 HP E	2,424	1.96		0.17	0.33	1.17			7
8810	750 AMP W/SHOP RUNNING GEAR 42 HP E	4,000	2.86		0.27	0.55	1.64			10
	TRANSFORMER-RECTIFIER									
8820	250 AMP W/SHOP RUNNING GEAR 19 HP E	938	1.13		0.06	0.13	0.74			4
8825	300 AMP W/SHOP RUNNING GEAR 24 HP E	1,555	1.50		0.11	0.21	0.94			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 (.37)	= (+) $11.10/Hr.
Adjusted Total Hourly Rate	= $31.10/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	0.71						
30	AIR COMPRESSORS	1.06	1.03	1.00	0.93	0.97	0.90	0.78						
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	0.71						
65	ASPHALT AND CONCRETE PAVERS	0.99	0.99	1.00	0.93	0.86	0.78	0.71						
70	ASPHALT KETTLES AND RECYCLERS	1.05	1.03	1.00	0.92	0.82	0.71							
	BACKHOE (SEE KEY NO. 570-601)													
75	BROOMS	1.06	1.03	1.00	0.92	0.82	0.70	0.62						
80	BRUSH CHIPPERS	1.06	1.03	1.00	0.92	0.81	0.69	0.61						
90	BUCKETS, CLAMSHELL & DRAGLINE	0.98	0.98	1.00	0.95	0.84	0.70	0.62						
95	BUCKETS, CONCRETE	0.98	0.98	1.00	0.94	0.84	0.69	0.61						
105	CONCRETE OR GROUT PUMP	1.06	1.03	1.00	0.92	0.81	0.70							
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.06	1.03	1.00	0.92	0.81	0.70							
125	CONCRETE FINISHERS & BUGGIES	1.06	1.03	1.00	0.92									
130	CONCRETE SAWS	1.05	1.03	1.00	0.92	0.82	0.71							
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	0.59				
165	OVER 25 TON THRU 50 TON	1.05	1.02	1.00	0.93	0.85	0.76	0.69	0.64	0.59	0.54			
170	OVER 50 TON THRU 150 TON	1.05	1.02	1.00	0.93	0.86	0.77	0.70	0.64	0.60	0.55	0.44	0.37	
180	OVER 150 TON	1.05	1.02	1.00	0.93	0.86	0.77	0.70	0.64	0.60	0.54	0.44	0.37	0.35
	DRAGLINE & CLAMSHELL,CRAWLER													
185	0 THRU 1 CY	1.05	1.02	1.00	0.93	0.85	0.76	0.69	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	0.64	0.59	0.54			
195	OVER 2-1/2 CY THRU 5 CY	1.05	1.02	1.00	0.93	0.85	0.76	0.69	0.64	0.59	0.54	0.43	0.36	
196	OVER 5 CY	1.05	1.02	1.00	0.93	0.86	0.77	0.70	0.64	0.60	0.54	0.44	0.37	0.35
200	CRANES, HYDRAULIC, SELF-PROPELLED	1.05	1.02	1.00	0.93	0.86	0.76	0.69	0.64	0.60	0.54	0.43		
205	CRANES, TOWER	1.05	1.02	1.00	0.93	0.85	0.76	0.69	0.64	0.59	0.54	0.43	0.36	
	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	0.64	0.59	0.54			
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.05	1.02	1.00	0.93	0.86	0.77	0.70	0.64	0.60.	0.55	0.44	0.37	
230	66 THRU 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
240	OVER 125 T	1.04	1.02	1.00	0.93	0.86	0.77	0.70	0.65	0.61	0.56	0.45	0.38	0.37
255	DRILL, AUGER	1.03	1.02	1.00	0.92	0.78	0.67	0.62						
270	DRILL, BLAST HOLE	1.03	1.02	1.00	0.92	0.78	0.67	0.62						
300	DRILL, CORE	1.03	1.02	1.00	0.92	0.78	0.67	0.62						
315	DRILL, ROTARY TO 11" DIA. HOLE	1.03	1.02	1.00	0.92	0.79	0.68	0.63	0.57	0.55	0.52			
330	DRILL, ROTARY OVER 11" DIA.	1.03	1.01	1.00	0.92	0.80	0.69	0.64	0.58	0.56	0.53	0.46	0.42	0.39
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.03	1.01	1.00	0.92	0.80	0.69	0.64	0.58	0.56	0.53	0.46	0.42	0.39
375	FORK LIFTS	1.05	1.03	1.00	0.92	0.82	0.71	0.64						
390	GRADERS	1.05	1.03	1.00	0.91	0.82	0.72	0.66	0.58					
420	GENERATORS	1.05	1.02	1.00	0.97	0.85	0.70							
435	HOIST	1.05	1.03	1.00	0.92	0.82	0.71	0.64						
	HYD. EXCAVATOR (SEE KEY NO. 570-601)													
440	LIGHT PLANTS	1.06	1.03	1.00	0.92	0.80	0.68							
450	LOADER, BELT	1.06	1.03	1.00	0.92	0.81	0.69	0.61						
460	LOADER,FRONT END &LOADER F/E WITH BACKHOE,CRAWLER TYPE	1.08	1.04	1.00	0.91	0.82	0.72	0.64						
	LOADER, WHEEL TYPE													
465	0 THRU 225 HP	1.06	1.03	1.00	0.89	0.74	0.64	0.56						
470	OVER 225 HP	1.05	1.03	1.00	0.90	0.76	0.66	0.60	0.53					
475	LOADER, FRONT END WITH BACKHOE,WHEEL TYPE	1.06	1.03	1.00	0.89	0.74	0.64	0.56						

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	0.70	0.61	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	0.64						
500	PUMP, WATER, ELECTRIC DRIVE	1.05	1.03	1.00	0.92	0.82	0.71	0.64						
510	RIPPERS	1.09	1.04	1.00	0.90	0.81	0.72							
525	ROLLERS, EXCEPT VIB. ROLLERS	1.21	1.11	1.00	0.92	0.83	0.74	0.65						
530	ROLLERS, VIBRATORY	1.22	1.11	1.00	0.92	0.82	0.73							
540	SCRAPERS, STANDARD	1.05	1.02	1.00	0.91	0.82	0.73	0.67						
545	SCRAPERS, TANDEM POWERED	1.05	1.02	1.00	0.91	0.82	0.73	0.67						
	SCRAPERS, ELEVATING													
545	0 THRU 200 HP	1.05	1.03	1.00	0.91	0.82	0.72	0.66						
550	OVER 200 HP	1.05	1.03	1.00	0.91	0.82	0.72	0.66						
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	0.66						
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED													
570	0 THRU 1 CY	1.05	1.03	1.00	0.92	0.84	0.74							
585	OVER 1 CY THRU 2-1/2 CY	1.05	1.02	1.00	0.93	0.85	0.75	0.68						
595	OVER 2-1/2 CY THRU 5 CY	1.05	1.02	1.00	0.93	0.86	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	0.54			
601	OVER 2-1/2 CY ELECTRIC	1.05	1.02	1.00	0.93	0.86	0.77	0.70	0.64	0.60	0.55	0.44	0.37	
	TRACTOR, CRAWLER TYPE													
615	0 THRU 225 HP	1.09	1.04	1.00	0.90	0.81	0.71	0.63						
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.08	1.04	1.00	0.91	0.82	0.72	0.64						
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	1.08	1.04	1.00	0.91	0.82	0.72	0.64						
645	TRACTOR, WHEEL TYPE	1.02	1.01	1.00	0.91	0.81	0.70	0.61						
650	TRENCHER	1.15	1.07	1.00	0.87	0.74	0.63	0.58						
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.05	1.03	1.00	0.92	0.82	0.71	0.63						
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.06	1.03	1.00	0.91	0.80	0.68	0.59						
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING													
670	DUMP BODIES	1.05	1.03	1.00	0.92	0.82	0.71							
675	ALL OTHER ACCESSORIES	1.05	1.03	1.00	0.92	0.82	0.71							
	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	0.70							
705	OVER 30,000 GVW	1.05	1.02	1.00	0.92	0.79	0.70							
720	TRUCK, OFF-HIGHWAY	1.05	1.02	1.00	0.91	0.79	0.68	0.62	0.57					
765	WAGON, BOTTOM & REAR DUMP	1.05	1.02	1.00	0.91	0.79	0.68	0.62	0.57					
780	WAGON, WATER	1.05	1.03	1.00	0.91	0.78	0.66	0.59	0.54					
785	WATER BLASTER	1.06	1.03	1.00	0.92									
795	WATER TANKS	1.05	1.03	1.00	0.93	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	0.70							

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 (.80)	= $14.40/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	0.74						
30	AIR COMPRESSORS	1.05	1.02	1.00	0.94	0.98	0.91	0.81						
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	0.74						
65	ASPHALT AND CONCRETE PAVERS	0.99	0.99	1.00	0.94	0.88	0.81	0.74						
70	ASPHALT KETTLES AND RECYCLERS	1.05	1.02	1.00	0.93	0.84	0.74							
	BACKHOE (SEE KEY NO. 570-601)													
75	BROOMS	1.05	1.02	1.00	0.93	0.84	0.75	0.68						
80	BRUSH CHIPPERS	1.05	1.02	1.00	0.93	0.84	0.75	0.68						
90	BUCKETS, CLAMSHELL & DRAGLINE	0.98	0.98	1.00	0.95	0.85	0.72	0.65						
95	BUCKETS, CONCRETE	0.98	0.98	1.00	0.95	0.86	0.72	0.65						
105	CONCRETE OR GROUT PUMP	1.05	1.02	1.00	0.93	0.84	0.74							
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.05	1.02	1.00	0.93	0.84	0.74							
125	CONCRETE FINISHERS & BUGGIES	1.05	1.02	1.00	0.93									
130	CONCRETE SAWS	1.05	1.02	1.00	0.93	0.84	0.74							
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	0.73	0.68	0.64				
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	0.59			
170	OVER 50 TON THRU 150 TON	1.04	1.02	1.00	0.94	0.87	0.80	0.73	0.69	0.65	0.60	0.51	0.44	
180	OVER 150 TON	1.04	1.02	1.00	0.94	0.88	0.80	0.74	0.69	0.66	0.61	0.52	0.46	0.44
	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	0.59			
195	OVER 2-1/2 CY THRU 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	
196	OVER 5 CY	1.04	1.02	1.00	0.94	0.88	0.80	0.74	0.69	0.66	0.61	0.52	0.46	0.44
200	CRANES, HYDRAULIC, SELF-PROPELLED	1.04	1.02	1.00	0.94	0.87	0.79	0.73	0.68	0.65	0.60	0.50		
205	CRANES, TOWER	1.04	1.02	1.00	0.94	0.88	0.80	0.74	0.69	0.65	0.61	0.51	0.45	
	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	0.59			
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.04	1.02	1.00	0.94	0.87	0.80	0.73	0.69	0.65	0.60	0.51	0.44	
230	66 THRU 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	0.43
240	OVER 125 T	1.04	1.02	1.00	0.94	0.88	0.80	0.74	0.69	0.65	0.61	0.51	0.45	0.44
255	DRILL, AUGER	1.03	1.01	1.00	0.93	0.81	0.71	0.66						
270	DRILL, BLAST HOLE	1.03	1.01	1.00	0.93	0.81	0.71	0.66						
300	DRILL, CORE	1.03	1.01	1.00	0.93	0.81	0.71	0.66						
315	DRILL, ROTARY TO 11" DIA. HOLE	1.03	1.01	1.00	0.93	0.81	0.72	0.68	0.62	0.60	0.58			
330	DRILL, ROTARY OVER 11" DIA.	1.03	1.01	1.00	0.93	0.82	0.73	0.68	0.63	0.61	0.59	0.52	0.48	0.46
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	0.59	0.52	0.48	0.46
375	FORK LIFTS	1.05	1.02	1.00	0.93	0.84	0.75	0.68						
390	GRADERS	1.04	1.02	1.00	0.92	0.85	0.76	0.71	0.65					
420	GENERATORS	1.04	1.02	1.00	0.98	0.87	0.73							
435	HOIST	1.05	1.02	1.00	0.93	0.84	0.75	0.68						
	HYD. EXCAVATOR (SEE KEY NO. 570-601)													
440	LIGHT PLANTS	1.05	1.02	1.00	0.93	0.84	0.74							
450	LOADER, BELT	1.05	1.02	1.00	0.93	0.84	0.75	0.68						
460	LOADER,FRONT END &LOADER F/E WITH BACKHOE,CRAWLER TYPE	1.07	1.04	1.00	0.92	0.84	0.75	0.68						
	LOADER, WHEEL TYPE													
465	0 THRU 225 HP	1.05	1.02	1.00	0.91	0.78	0.69	0.63						
470	OVER 225 HP	1.05	1.02	1.00	0.91	0.78	0.69	0.63	0.58					
475	LOADER, FRONT END WITH BACKHOE,WHEEL TYPE	1.05	1.02	1.00	0.91	0.78	0.69	0.63						

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	0.75	0.68						
500	PUMP, WATER, ELECTRIC DRIVE	1.05	1.02	1.00	0.93	0.84	0.75	0.68						
510	RIPPERS	1.08	1.04	1.00	0.91	0.83	0.75							
525	ROLLERS,EXCEPT VIB. ROLLERS	1.19	1.09	1.00	0.93	0.85	0.77	0.70						
530	ROLLERS, VIBRATORY	1.19	1.10	1.00	0.93	0.85	0.77							
540	SCRAPERS, STANDARD	1.04	1.02	1.00	0.92	0.84	0.76	0.70						
542	SCRAPERS, TANDEM POWERED	1.04	1.02	1.00	0.92	0.84	0.76	0.70						
	SCRAPERS, ELEVATING													
545	0 THRU 200 HP	1.04	1.02	1.00	0.92	0.84	0.76	0.70						
550	OVER 200 HP	1.04	1.02	1.00	0.92	0.84	0.76	0.70						
555	SCRAPERS, TRACTOR DRAWN	1.04	1.02	1.00	0.92	0.84	0.76	0.71	0.64					
560	SOIL STABILIZERS	1.04	1.02	1.00	0.92	0.84	0.76	0.70						
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED													
570	0 THRU 1 CY	1.04	1.02	1.00	0.94	0.86	0.78							
585	OVER 1 CY THRU 2-1/2 CY	1.04	1.02	1.00	0.94	0.87	0.78	0.72						
595	OVER 2-1/2 CY THRU 5 CY	1.04	1.02	1.00	0.94	0.87	0.79	0.72	0.67					
600	OVER 5 CY	1.04	1.02	1.00	0.94	0.87	0.79	0.72	0.68	0.64	0.59			
601	OVER 2-1/2 CY ELECTRIC	1.04	1.02	1.00	0.94	0.87	0.80	0.73	0.69	0.65	0.60	0.51	0.44	
	TRACTOR, CRAWLER TYPE													
615	0 THRU 225 HP	1.07	1.04	1.00	0.92	0.84	0.75	0.68						
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.07	1.04	1.00	0.92	0.84	0.75	0.68						
625	OVER 425 HP	1.07	1.04	1.00	0.92	0.84	0.76	0.69	0.62					
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.07	1.04	1.00	0.92	0.84	0.75	0.68						
645	TRACTOR, WHEEL TYPE	1.02	1.01	1.00	0.92	0.83	0.73	0.66						
650	TRENCHER	1.13	1.06	1.00	0.88	0.77	0.68	0.63						
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.05	1.02	1.00	0.93	0.84	0.75	0.68						
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.05	1.02	1.00	0.93	0.84	0.75	0.68						
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING													
670	DUMP BODIES	1.05	1.02	1.00	0.93	0.84	0.74							
675	ALL OTHER ACCESSORIES	1.05	1.02	1.00	0.93	0.84	0.74							
	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	0.74							
705	OVER 30,000 GVW	1.04	1.02	1.00	0.93	0.82	0.74							
720	TRUCK, OFF-HIGHWAY	1.04	1.02	1.00	0.92	0.81	0.71	0.65	0.61					
765	WAGON, BOTTOM & REAR DUMP	1.04	1.02	1.00	0.92	0.81	0.71	0.65	0.61					
780	WAGON, WATER	1.04	1.02	1.00	0.92	0.82	0.72	0.66	0.61					
785	WATER BLASTER	1.05	1.02	1.00	0.93									
795	WATER TANKS	1.05	1.02	1.00	0.93	0.85	0.75	0.69	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	0.74							

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 (.83)	= (+) $19.17/Hr.
Adjusted Total Hourly Rate	= $39.17/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	0.88	0.88	0.87	0.86	0.85
6,000	1.00	0.97	0.96	0.93	0.91	0.89	0.88	0.87	0.85	0.84	0.83	0.82	0.81
8,000	1.00	0.96	0.95	0.92	0.89	0.87	0.86	0.84	0.82	0.81	0.79	0.79	0.77
9,000	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
10,000	1.00	0.96	0.94	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.77	0.75	0.74
11,000	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
12,000	1.00	0.95	0.93	0.89	0.86	0.84	0.82	0.80	0.77	0.76	0.74	0.73	0.71
13,000	1.00	0.95	0.93	0.89	0.86	0.83	0.81	0.79	0.76	0.74	0.73	0.72	0.70
14,000	1.00	0.95	0.93	0.89	0.85	0.83	0.80	0.78	0.75	0.73	0.72	0.70	0.68
15,000	1.00	0.95	0.92	0.88	0.85	0.82	0.80	0.77	0.75	0.72	0.71	0.69	0.67
16,000	1.00	0.95	0.92	0.88	0.84	0.81	0.79	0.76	0.74	0.72	0.70	0.68	0.66
18,000	1.00	0.94	0.92	0.87	0.83	0.80	0.78	0.75	0.72	0.70	0.68	0.67	0.64
20,000	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
22,000	1.00	0.94	0.91	0.86	0.82	0.78	0.76	0.73	0.69	0.67	0.65	0.63	0.61
50,000	1.00	0.92	0.88	0.81	0.76	0.71	0.68	0.63	0.59	0.56	0.54	0.51	0.48

TABLE 3-5. HOURLY RATE ELEMENT

	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
1010	3.95	2.13	11.16	2.68	0.21	0.03	3.01	23.17								
1015	4.42	2.38	4.25	1.02	0.21	0.03	3.38	15.69								
1030	0.70	0.43	3.32	1.06	0.02	0.00	0.62	6.15								
1035	0.84	0.51	1.43	0.40	0.02	0.00	0.73	3.93								
1040	0.88	0.53	3.86	1.24	0.02	0.00	0.78	7.31								
1045	1.06	0.64	1.66	0.46	0.02	0.00	0.93	4.77								
1050	1.08	0.65	5.41	1.73	0.02	0.00	0.95	9.84								
1055	1.15	0.69	1.92	0.54	0.02	0.00	1.01	5.33								
1060	1.18	0.71	5.41	1.73	0.02	0.00	1.04	10.09								
1065	1.35	0.81	2.60	0.73	0.02	0.00	1.18	6.69								
1070	1.22	0.74	5.41	1.73	0.02	0.00	1.07	10.19								
1075	1.44	0.87	2.60	0.73	0.02	0.00	1.27	6.93								
1080	2.15	1.29	3.54	0.99	0.03	0.00	1.89	9.89								
1085	2.62	1.60	3.87	1.08	0.12	0.02	2.31	11.62								
1090	3.42	2.08	5.72	1.60	0.12	0.02	3.00	15.96								
1095	4.63	2.80	6.58	1.84	0.14	0.02	4.06	20.07								
1100	5.37	3.25	8.58	2.40	0.14	0.02	4.72	24.48								
1105	6.13	3.70	9.40	2.63	0.14	0.02	5.38	27.40								
1110	6.72	4.05	10.16	2.84	0.14	0.02	5.90	29.83								
1115	7.52	4.52	10.65	2.98	0.14	0.02	6.59	32.42								
1120	9.02	5.42	12.23	3.42	0.14	0.02	7.90	38.15								
1125	10.19	6.12	17.15	4.80	0.17	0.03	8.93	47.39								
1140	0.28	0.07	0.00	0.06	0.00	0.00	0.48	0.89								
1145	0.51	0.13	0.00	0.06	0.00	0.00	0.90	1.60								
1150	0.52	0.13	0.00	0.06	0.00	0.00	0.91	1.62								
1155	0.58	0.14	0.00	0.13	0.00	0.00	1.01	1.86								
1160	0.77	0.19	0.00	0.13	0.00	0.00	1.34	2.43								
1165	2.16	0.55	0.00	0.27	0.05	0.01	3.80	6.84								
1170	2.53	0.66	0.00	0.38	0.12	0.02	4.48	8.19								
1175	3.18	0.82	0.00	0.48	0.12	0.02	5.63	10.25								
1185	0.20	0.05	0.00	0.06	0.00	0.00	0.34	0.65								
1190	0.43	0.11	0.00	0.11	0.00	0.00	0.75	1.40								
1195	0.20	0.05	0.00	0.06	0.00	0.00	0.35	0.66								
1200	0.22	0.05	0.00	0.06	0.00	0.00	0.38	0.71								
1205	0.23	0.06	0.00	0.06	0.00	0.00	0.41	0.76								
1210	0.79	0.19	0.00	0.13	0.00	0.00	1.39	2.50								
1220	0.38	0.09	0.00	0.15	0.00	0.00	1.12	1.74								
1225	0.25	0.06	0.00	0.13	0.00	0.00	0.72	1.16								
1230	0.22	0.05	0.00	0.10	0.00	0.00	0.64	1.01								
1235	0.20	0.05	0.00	0.08	0.00	0.00	0.58	0.91								
1240	0.16	0.04	0.00	0.06	0.00	0.00	0.45	0.71								
1250	2.02	1.06	3.47	1.11	0.00	0.00	1.86	9.52								
1255	2.09	1.10	3.47	1.11	0.00	0.00	1.93	9.70								
1260	2.23	1.17	3.47	1.11	0.00	0.00	2.06	10.04								
1265	2.50	1.31	3.47	1.11	0.00	0.00	2.30	10.69								
1275	7.21	3.87	2.63	0.74	0.32	0.05	7.07	21.89								
1280	11.33	6.15	3.57	1.00	0.79	0.12	11.14	34.10								
1285	12.64	6.83	4.89	1.37	0.79	0.12	12.41	39.05								
1290	15.46	8.14	4.89	1.37	0.00	0.00	15.10	44.96								
1300	3.60	1.97	0.83	0.23	0.31	0.05	3.54	10.53								
1305	5.76	3.11	2.11	0.59	0.31	0.05	5.65	17.58								
1310	7.99	4.31	2.18	0.61	0.44	0.07	7.84	23.44								
1315	9.86	5.38	3.27	0.92	0.79	0.12	9.70	30.04								
1320	11.53	6.30	3.31	0.93	0.96	0.14	11.35	34.52								
1325	15.24	8.33	5.91	1.65	1.32	0.20	15.00	47.65								

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	11.24	5.92	2.86	0.80	0.00	0.00	10.98	31.80								
1335	13.46	7.09	4.14	1.16	0.00	0.00	13.15	39.00								
1345	0.34	0.16	0.00	0.97	0.02	0.00	0.32	1.81								
1350	0.40	0.18	0.00	1.07	0.02	0.00	0.38	2.05								
1360	0.97	0.43	0.62	1.73	0.02	0.00	0.91	4.68								
1370	0.45	0.27	0.00	0.18	0.02	0.00	0.45	1.37								
1375	0.58	0.35	1.62	0.39	0.02	0.00	0.59	3.55								
1380	0.20	0.12	0.00	0.18	0.00	0.00	0.20	0.70								
1385	0.31	0.19	0.00	0.12	0.00	0.00	0.31	0.93								
1395	0.77	0.51	8.07	2.58	0.00	0.00	0.93	12.86								
1400	0.82	0.56	8.07	2.58	0.04	0.01	1.00	13.08								
1410	0.80	0.38	0.00	0.00	0.00	0.00	0.57	1.75	1.00	0.39	0.00	0.00	0.00	0.00	0.81	2.20
1415	0.94	0.45	0.00	0.00	0.00	0.00	0.67	2.06	1.17	0.46	0.00	0.00	0.00	0.00	0.95	2.58
1420	1.38	0.66	0.00	0.00	0.00	0.00	0.98	3.02	1.72	0.68	0.00	0.00	0.00	0.00	1.40	3.80
1425	1.56	0.75	0.00	0.00	0.00	0.00	1.11	3.42	1.95	0.77	0.00	0.00	0.00	0.00	1.58	4.30
1430	2.03	0.97	0.00	0.00	0.00	0.00	1.44	4.44	2.54	1.00	0.00	0.00	0.00	0.00	2.06	5.60
1435	2.15	1.03	0.00	0.00	0.00	0.00	1.53	4.71	2.69	1.06	0.00	0.00	0.00	0.00	2.18	5.93
1440	2.20	1.05	0.00	0.00	0.00	0.00	1.56	4.81	2.75	1.08	0.00	0.00	0.00	0.00	2.23	6.06
1445	2.42	1.16	0.00	0.00	0.00	0.00	1.72	5.30	3.03	1.19	0.00	0.00	0.00	0.00	2.46	6.68
1450	2.62	1.25	0.00	0.00	0.00	0.00	1.86	5.73	3.27	1.29	0.00	0.00	0.00	0.00	2.66	7.22
1455	2.84	1.36	0.00	0.00	0.00	0.00	2.01	6.21	3.54	1.39	0.00	0.00	0.00	0.00	2.88	7.81
1460	3.06	1.47	0.00	0.00	0.00	0.00	2.17	6.70	3.82	1.50	0.00	0.00	0.00	0.00	3.10	8.42
1465	3.17	1.52	0.00	0.00	0.00	0.00	2.25	6.94	3.96	1.56	0.00	0.00	0.00	0.00	3.21	8.73
1470	3.43	1.64	0.00	0.00	0.00	0.00	2.43	7.50	4.28	1.68	0.00	0.00	0.00	0.00	3.48	9.44
1475	3.53	1.69	0.00	0.00	0.00	0.00	2.50	7.72	4.41	1.73	0.00	0.00	0.00	0.00	3.58	9.72
1480	3.66	1.75	0.00	0.00	0.00	0.00	2.60	8.01	4.57	1.80	0.00	0.00	0.00	0.00	3.71	10.08
1490	0.84	0.40	0.00	0.00	0.00	0.00	0.60	1.84	1.05	0.41	0.00	0.00	0.00	0.00	0.85	2.31
1495	1.14	0.54	0.00	0.00	0.00	0.00	0.81	2.49	1.42	0.56	0.00	0.00	0.00	0.00	1.15	3.13
1500	1.65	0.79	0.00	0.00	0.00	0.00	1.17	3.61	2.07	0.81	0.00	0.00	0.00	0.00	1.68	4.56
1505	1.78	0.85	0.00	0.00	0.00	0.00	1.27	3.90	2.23	0.88	0.00	0.00	0.00	0.00	1.81	4.92
1510	2.27	1.09	0.00	0.00	0.00	0.00	1.61	4.97	2.83	1.11	0.00	0.00	0.00	0.00	2.30	6.24
1515	2.48	1.19	0.00	0.00	0.00	0.00	1.76	5.43	3.10	1.22	0.00	0.00	0.00	0.00	2.51	6.83
1520	2.67	1.28	0.00	0.00	0.00	0.00	1.90	5.85	3.34	1.31	0.00	0.00	0.00	0.00	2.71	7.36
1525	2.87	1.38	0.00	0.00	0.00	0.00	2.04	6.29	3.59	1.41	0.00	0.00	0.00	0.00	2.91	7.91
1530	3.08	1.48	0.00	0.00	0.00	0.00	2.19	6.75	3.85	1.52	0.00	0.00	0.00	0.00	3.13	8.50
1535	3.39	1.63	0.00	0.00	0.00	0.00	2.41	7.43	4.24	1.67	0.00	0.00	0.00	0.00	3.44	9.35
1540	3.58	1.72	0.00	0.00	0.00	0.00	2.54	7.84	4.47	1.76	0.00	0.00	0.00	0.00	3.63	9.86
1545	3.79	1.81	0.00	0.00	0.00	0.00	2.69	8.29	4.73	1.86	0.00	0.00	0.00	0.00	3.84	10.43
1550	3.95	1.89	0.00	0.00	0.00	0.00	2.80	8.64	4.93	1.94	0.00	0.00	0.00	0.00	4.00	10.87
1555	4.11	1.97	0.00	0.00	0.00	0.00	2.92	9.00	5.14	2.02	0.00	0.00	0.00	0.00	4.17	11.33
1560	4.27	2.05	0.00	0.00	0.00	0.00	3.03	9.35	5.34	2.10	0.00	0.00	0.00	0.00	4.33	11.77
1570	1.27	0.61	0.00	0.00	0.00	0.00	0.90	2.78	1.59	0.63	0.00	0.00	0.00	0.00	1.29	3.51
1575	1.30	0.62	0.00	0.00	0.00	0.00	0.92	2.84	1.62	0.64	0.00	0.00	0.00	0.00	1.32	3.58
1580	1.93	0.93	0.00	0.00	0.00	0.00	1.37	4.23	2.41	0.95	0.00	0.00	0.00	0.00	1.96	5.32
1585	2.33	1.12	0.00	0.00	0.00	0.00	1.66	5.11	2.92	1.15	0.00	0.00	0.00	0.00	2.37	6.44
1590	2.60	1.25	0.00	0.00	0.00	0.00	1.85	5.70	3.26	1.28	0.00	0.00	0.00	0.00	2.64	7.18
1595	2.83	1.36	0.00	0.00	0.00	0.00	2.01	6.20	3.54	1.39	0.00	0.00	0.00	0.00	2.87	7.80
1600	2.97	1.43	0.00	0.00	0.00	0.00	2.11	6.51	3.72	1.46	0.00	0.00	0.00	0.00	3.02	8.20
1605	3.15	1.51	0.00	0.00	0.00	0.00	2.24	6.90	3.94	1.55	0.00	0.00	0.00	0.00	3.19	8.68
1610	3.30	1.58	0.00	0.00	0.00	0.00	2.34	7.22	4.12	1.62	0.00	0.00	0.00	0.00	3.35	9.09
1615	3.54	1.70	0.00	0.00	0.00	0.00	2.51	7.75	4.42	1.74	0.00	0.00	0.00	0.00	3.59	9.75
1620	3.74	1.79	0.00	0.00	0.00	0.00	2.66	8.19	4.68	1.84	0.00	0.00	0.00	0.00	3.80	10.32
1625	3.94	1.89	0.00	0.00	0.00	0.00	2.79	8.62	4.92	1.94	0.00	0.00	0.00	0.00	3.99	10.85
1630	4.26	2.04	0.00	0.00	0.00	0.00	3.03	9.33	5.33	2.10	0.00	0.00	0.00	0.00	4.33	11.76
1635	4.39	2.11	0.00	0.00	0.00	0.00	3.12	9.62	5.49	2.16	0.00	0.00	0.00	0.00	4.46	12.11

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
1640	4.60	2.20	0.00	0.00	0.00	0.00	3.27	10.07	5.75	2.26	0.00	0.00	0.00	0.00	4.67	12.68
1650	0.11	0.06	0.00	0.00	0.00	0.00	0.09	0.26								
1655	0.14	0.07	0.00	0.00	0.00	0.00	0.11	0.32								
1660	0.19	0.10	0.00	0.00	0.00	0.00	0.14	0.43								
1665	0.26	0.14	0.00	0.00	0.00	0.00	0.20	0.60								
1670	0.33	0.17	0.00	0.00	0.00	0.00	0.25	0.75								
1680	0.50	0.26	0.00	0.00	0.00	0.00	0.37	1.13								
1685	0.52	0.27	0.00	0.00	0.00	0.00	0.39	1.18								
1690	0.54	0.28	0.00	0.00	0.00	0.00	0.40	1.22								
1695	0.70	0.37	0.00	0.00	0.00	0.00	0.53	1.60								
1700	0.73	0.38	0.00	0.00	0.00	0.00	0.55	1.66								
1705	1.05	0.55	0.00	0.00	0.00	0.00	0.79	2.39								
1710	1.26	0.66	0.00	0.00	0.00	0.00	0.95	2.87								
1720	0.57	0.30	0.00	0.00	0.00	0.00	0.43	1.30								
1725	0.64	0.34	0.00	0.00	0.00	0.00	0.48	1.46								
1730	0.73	0.38	0.00	0.00	0.00	0.00	0.55	1.66								
1735	0.81	0.43	0.00	0.00	0.00	0.00	0.61	1.85								
1740	0.95	0.50	0.00	0.00	0.00	0.00	0.72	2.17								
1755	0.27	0.13	0.00	0.00	0.00	0.00	0.19	0.59	0.34	0.13	0.00	0.00	0.00	0.00	0.27	0.74
1760	0.32	0.15	0.00	0.00	0.00	0.00	0.23	0.70	0.40	0.16	0.00	0.00	0.00	0.00	0.32	0.88
1765	0.39	0.19	0.00	0.00	0.00	0.00	0.28	0.86	0.49	0.19	0.00	0.00	0.00	0.00	0.39	1.07
1770	0.46	0.22	0.00	0.00	0.00	0.00	0.33	1.01	0.57	0.23	0.00	0.00	0.00	0.00	0.47	1.27
1775	0.54	0.26	0.00	0.00	0.00	0.00	0.38	1.18	0.67	0.27	0.00	0.00	0.00	0.00	0.55	1.49
1780	0.67	0.32	0.00	0.00	0.00	0.00	0.47	1.46	0.83	0.33	0.00	0.00	0.00	0.00	0.67	1.83
1785	0.74	0.35	0.00	0.00	0.00	0.00	0.52	1.61	0.92	0.36	0.00	0.00	0.00	0.00	0.75	2.03
1790	0.90	0.43	0.00	0.00	0.00	0.00	0.64	1.97	1.12	0.44	0.00	0.00	0.00	0.00	0.91	2.47
1795	0.95	0.46	0.00	0.00	0.00	0.00	0.68	2.09	1.19	0.47	0.00	0.00	0.00	0.00	0.97	2.63
1800	1.15	0.55	0.00	0.00	0.00	0.00	0.82	2.52	1.44	0.56	0.00	0.00	0.00	0.00	1.17	3.17
1805	1.25	0.60	0.00	0.00	0.00	0.00	0.88	2.73	1.56	0.61	0.00	0.00	0.00	0.00	1.26	3.43
1810	1.36	0.65	0.00	0.00	0.00	0.00	0.97	2.98	1.70	0.67	0.00	0.00	0.00	0.00	1.38	3.75
1815	1.51	0.72	0.00	0.00	0.00	0.00	1.07	3.30	1.89	0.74	0.00	0.00	0.00	0.00	1.53	4.16
1820	1.74	0.84	0.00	0.00	0.00	0.00	1.24	3.82	2.18	0.86	0.00	0.00	0.00	0.00	1.77	4.81
1825	1.89	0.91	0.00	0.00	0.00	0.00	1.34	4.14	2.37	0.93	0.00	0.00	0.00	0.00	1.92	5.22
1830	2.33	1.12	0.00	0.00	0.00	0.00	1.65	5.10	2.91	1.15	0.00	0.00	0.00	0.00	2.36	6.42
1835	2.68	1.28	0.00	0.00	0.00	0.00	1.90	5.86	3.35	1.32	0.00	0.00	0.00	0.00	2.72	7.39
1845	0.31	0.15	0.00	0.00	0.00	0.00	0.22	0.68	0.39	0.15	0.00	0.00	0.00	0.00	0.32	0.86
1850	0.39	0.18	0.00	0.00	0.00	0.00	0.27	0.84	0.48	0.19	0.00	0.00	0.00	0.00	0.39	1.06
1855	0.47	0.23	0.00	0.00	0.00	0.00	0.34	1.04	0.59	0.23	0.00	0.00	0.00	0.00	0.48	1.30
1860	0.57	0.27	0.00	0.00	0.00	0.00	0.40	1.24	0.71	0.28	0.00	0.00	0.00	0.00	0.57	1.56
1865	0.65	0.31	0.00	0.00	0.00	0.00	0.46	1.42	0.82	0.32	0.00	0.00	0.00	0.00	0.66	1.80
1870	0.78	0.37	0.00	0.00	0.00	0.00	0.55	1.70	0.98	0.38	0.00	0.00	0.00	0.00	0.79	2.15
1875	0.86	0.41	0.00	0.00	0.00	0.00	0.61	1.88	1.08	0.42	0.00	0.00	0.00	0.00	0.87	2.37
1880	1.03	0.50	0.00	0.00	0.00	0.00	0.73	2.26	1.29	0.51	0.00	0.00	0.00	0.00	1.05	2.85
1885	1.11	0.53	0.00	0.00	0.00	0.00	0.79	2.43	1.38	0.54	0.00	0.00	0.00	0.00	1.12	3.04
1890	1.42	0.68	0.00	0.00	0.00	0.00	1.01	3.11	1.77	0.70	0.00	0.00	0.00	0.00	1.44	3.91
1895	1.46	0.70	0.00	0.00	0.00	0.00	1.04	3.20	1.83	0.72	0.00	0.00	0.00	0.00	1.49	4.04
1900	1.67	0.80	0.00	0.00	0.00	0.00	1.19	3.66	2.09	0.82	0.00	0.00	0.00	0.00	1.70	4.61
1905	1.84	0.88	0.00	0.00	0.00	0.00	1.31	4.03	2.30	0.91	0.00	0.00	0.00	0.00	1.87	5.08
1910	2.20	1.06	0.00	0.00	0.00	0.00	1.56	4.82	2.75	1.08	0.00	0.00	0.00	0.00	2.24	6.07
1915	2.35	1.12	0.00	0.00	0.00	0.00	1.67	5.14	2.93	1.15	0.00	0.00	0.00	0.00	2.38	6.46
1920	2.99	1.43	0.00	0.00	0.00	0.00	2.12	6.54	3.74	1.47	0.00	0.00	0.00	0.00	3.03	8.24
1925	3.33	1.60	0.00	0.00	0.00	0.00	2.36	7.29	4.16	1.64	0.00	0.00	0.00	0.00	3.38	9.18
1935	1.25	0.60	0.00	0.00	0.00	0.00	0.89	2.74	1.57	0.62	0.00	0.00	0.00	0.00	1.27	3.46
1940	1.30	0.62	0.00	0.00	0.00	0.00	0.93	2.85	1.63	0.64	0.00	0.00	0.00	0.00	1.32	3.59
1945	1.46	0.70	0.00	0.00	0.00	0.00	1.04	3.20	1.82	0.72	0.00	0.00	0.00	0.00	1.48	4.02

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	1.95	0.94	0.00	0.00	0.00	0.00	1.39	4.28	2.44	0.96	0.00	0.00	0.00	0.00	1.98	5.38
1955	2.18	1.05	0.00	0.00	0.00	0.00	1.55	4.78	2.73	1.07	0.00	0.00	0.00	0.00	2.21	6.01
1960	2.25	1.08	0.00	0.00	0.00	0.00	1.60	4.93	2.82	1.11	0.00	0.00	0.00	0.00	2.28	6.21
1965	2.41	1.16	0.00	0.00	0.00	0.00	1.71	5.28	3.01	1.19	0.00	0.00	0.00	0.00	2.45	6.65
1970	3.07	1.47	0.00	0.00	0.00	0.00	2.18	6.72	3.83	1.51	0.00	0.00	0.00	0.00	3.11	8.45
1975	3.15	1.51	0.00	0.00	0.00	0.00	2.24	6.90	3.94	1.55	0.00	0.00	0.00	0.00	3.20	8.69
1980	4.01	1.92	0.00	0.00	0.00	0.00	2.85	8.78	5.01	1.97	0.00	0.00	0.00	0.00	4.07	11.05
1985	4.16	2.00	0.00	0.00	0.00	0.00	2.96	9.12	5.20	2.05	0.00	0.00	0.00	0.00	4.22	11.47
1990	4.95	2.37	0.00	0.00	0.00	0.00	3.52	10.84	6.19	2.43	0.00	0.00	0.00	0.00	5.02	13.64
1995	5.26	2.52	0.00	0.00	0.00	0.00	3.73	11.51	6.57	2.58	0.00	0.00	0.00	0.00	5.33	14.48
2005	0.86	0.41	0.00	0.00	0.00	0.00	0.61	1.88	1.07	0.42	0.00	0.00	0.00	0.00	0.87	2.36
2010	1.10	0.53	0.00	0.00	0.00	0.00	0.78	2.41	1.37	0.54	0.00	0.00	0.00	0.00	1.11	3.02
2015	1.51	0.72	0.00	0.00	0.00	0.00	1.07	3.30	1.88	0.74	0.00	0.00	0.00	0.00	1.53	4.15
2020	1.99	0.95	0.00	0.00	0.00	0.00	1.41	4.35	2.49	0.98	0.00	0.00	0.00	0.00	2.02	5.49
2025	2.98	1.43	0.00	0.00	0.00	0.00	2.11	6.52	3.72	1.46	0.00	0.00	0.00	0.00	3.02	8.20
2030	3.40	1.63	0.00	0.00	0.00	0.00	2.41	7.44	4.24	1.67	0.00	0.00	0.00	0.00	3.44	9.35
2035	4.12	1.97	0.00	0.00	0.00	0.00	2.92	9.01	5.14	2.02	0.00	0.00	0.00	0.00	4.17	11.33
2040	5.00	2.40	0.00	0.00	0.00	0.00	3.55	10.95	6.25	2.46	0.00	0.00	0.00	0.00	5.07	13.78
2045	6.07	2.91	0.00	0.00	0.00	0.00	4.31	13.29	7.58	2.98	0.00	0.00	0.00	0.00	6.15	16.71
2050	7.03	3.37	0.00	0.00	0.00	0.00	5.00	15.40	8.79	3.46	0.00	0.00	0.00	0.00	7.14	19.39
2060	0.22	0.07	0.32	0.08	0.00	0.00	0.25	0.94								
2065	0.17	0.06	0.32	0.08	0.00	0.00	0.20	0.83								
2070	0.23	0.08	0.53	0.13	0.00	0.00	0.27	1.24								
2075	0.30	0.10	0.53	0.13	0.00	0.00	0.35	1.41								
2080	0.39	0.13	0.64	0.15	0.00	0.00	0.45	1.76								
2085	0.15	0.05	0.32	0.08	0.00	0.00	0.18	0.78								
2090	0.24	0.08	0.75	0.18	0.00	0.00	0.27	1.52								
2095	0.23	0.08	0.43	0.10	0.00	0.00	0.26	1.10								
2100	0.28	0.10	0.43	0.10	0.00	0.00	0.33	1.24								
2105	0.19	0.07	0.43	0.10	0.00	0.00	0.23	1.02								
2110	0.40	0.14	0.26	0.06	0.00	0.00	0.47	1.33								
2115	0.69	0.24	0.26	0.06	0.00	0.00	0.80	2.05								
2120	1.20	0.41	0.26	0.06	0.00	0.00	1.40	3.33								
2125	0.93	0.32	0.26	0.06	0.00	0.00	1.08	2.65								
2130	1.15	0.40	0.21	0.05	0.00	0.00	1.35	3.16								
2135	1.60	0.55	0.42	0.10	0.00	0.00	1.86	4.53								
2140	1.98	0.68	0.68	0.16	0.00	0.00	2.31	5.81								
2145	0.44	0.15	0.96	0.23	0.00	0.00	0.52	2.30								
2150	0.47	0.16	0.37	0.09	0.00	0.00	0.55	1.64								
2155	0.75	0.26	0.52	0.13	0.00	0.00	0.88	2.54								
2160	1.54	0.53	0.52	0.13	0.00	0.00	1.79	4.51								
2165	1.48	0.51	0.42	0.10	0.00	0.00	1.73	4.24								
2170	1.67	0.57	0.42	0.10	0.00	0.00	1.95	4.71								
2180	0.20	0.07	0.42	0.13	0.00	0.00	0.19	1.01								
2190	0.19	0.07	0.58	0.19	0.00	0.00	0.18	1.21								
2195	0.76	0.26	1.33	0.43	0.00	0.00	0.71	3.49								
2200	0.98	0.33	1.33	0.43	0.00	0.00	0.91	3.98								
2210	0.07	0.03	0.05	0.02	0.02	0.00	0.07	0.26								
2215	0.07	0.03	0.05	0.02	0.02	0.00	0.07	0.26								
2220	0.24	0.09	0.58	0.19	0.02	0.00	0.23	1.35								
2225	0.19	0.07	0.58	0.19	0.02	0.00	0.18	1.23								
2235	10.54	5.55	5.34	1.50	0.00	0.00	10.29	33.22								
2240	18.69	9.84	7.82	2.19	0.00	0.00	18.26	56.80								
2245	33.07	17.41	9.40	2.63	0.00	0.00	32.31	94.82								
2255	2.12	1.13	5.02	1.61	0.04	0.01	2.07	12.00								

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
2260	9.60	5.05	3.76	1.05	0.00	0.00	9.38	28.84								
2270	2.14	1.06	0.67	0.19	0.06	0.01	2.42	6.55								
2275	2.40	1.18	1.11	0.31	0.04	0.01	2.71	7.76								
2280	0.91	0.44	0.00	0.19	0.00	0.00	1.02	2.56								
2285	1.46	0.71	0.00	0.30	0.00	0.00	1.64	4.11								
2295	3.91	1.91	3.44	0.96	0.02	0.00	4.41	14.65								
2305	5.00	2.44	6.10	1.71	0.02	0.00	5.62	20.89								
2310	12.64	6.21	13.41	3.75	0.23	0.03	14.25	50.52								
2320	4.42	2.16	3.71	1.04	0.02	0.00	4.98	16.33								
2325	6.36	3.38	8.43	2.36	0.12	0.02	7.73	28.90								
2330	7.05	3.47	8.43	2.36	0.12	0.02	7.95	29.40								
2335	13.18	6.56	11.17	3.13	0.57	0.09	14.91	49.61								
2340	19.35	9.56	11.17	3.13	0.58	0.09	21.85	65.73								
2345	24.14	11.94	15.25	4.27	0.77	0.12	27.26	83.76								
2350	24.42	12.08	15.25	4.27	0.77	0.12	27.58	84.50								
2360	0.12	0.05	0.85	0.27	0.00	0.00	0.13	1.42								
2365	0.14	0.06	1.28	0.41	0.00	0.00	0.15	2.04								
2370	0.15	0.06	1.49	0.48	0.00	0.00	0.15	2.33								
2375	0.34	0.15	1.49	0.48	0.00	0.00	0.35	2.81								
2380	0.44	0.20	1.92	0.61	0.00	0.00	0.47	3.64								
2385	0.45	0.20	2.45	0.78	0.00	0.00	0.47	4.35								
2390	0.75	0.33	3.19	1.02	0.00	0.00	0.79	6.08								
2395	0.92	0.40	6.92	2.21	0.00	0.00	0.96	11.41								
2405	11.89	7.55	2.76	0.50	0.00	0.00	9.65	32.35	14.27	7.67	3.50	0.63	0.00	0.00	13.23	39.30
2410	13.00	10.15	3.39	0.61	0.00	0.00	12.05	39.20	15.00	10.25	4.29	0.77	0.00	0.00	15.64	45.95
2415	13.40	10.47	2.71	0.49	0.00	0.00	9.32	36.39	15.47	10.57	3.50	0.63	0.00	0.00	11.65	41.82
2425	14.18	11.07	2.71	0.49	0.00	0.00	9.86	38.31	16.36	11.18	3.50	0.63	0.00	0.00	12.33	44.00
2435	15.00	11.71	2.71	0.49	0.00	0.00	10.43	40.34	17.30	11.82	3.50	0.63	0.00	0.00	13.03	46.28
2445	18.08	14.12	4.99	0.90	0.00	0.00	16.77	54.86	20.87	14.26	6.32	1.14	0.00	0.00	21.76	64.35
2450	17.71	13.83	3.99	0.72	0.00	0.00	12.32	48.57	20.44	13.97	5.16	0.93	0.00	0.00	15.40	55.90
2460	15.73	14.58	3.99	0.72	0.00	0.00	12.76	47.78	17.69	14.68	5.16	0.93	0.00	0.00	15.38	53.84
2470	20.01	18.56	3.99	0.72	0.00	0.00	16.24	59.52	22.52	18.68	5.16	0.93	0.00	0.00	19.57	66.86
2480	25.31	24.39	6.82	1.23	0.00	0.00	21.34	80.09	29.60	24.56	8.81	1.59	0.00	0.00	25.73	90.29
2490	27.45	25.45	6.82	1.23	0.00	0.00	22.27	83.22	30.88	25.62	8.81	1.59	0.00	0.00	26.84	93.74
2495	24.59	25.31	8.52	1.53	0.00	0.00	27.45	87.40	27.66	25.47	10.80	1.94	0.00	0.00	34.32	100.19
2505	31.18	28.90	6.82	1.23	0.00	0.00	25.29	93.42	35.07	29.10	8.81	1.59	0.00	0.00	30.48	105.05
2515	27.27	31.04	6.82	1.23	0.00	0.00	27.06	93.42	30.30	31.19	8.81	1.59	0.00	0.00	31.95	103.84
2525	29.48	33.56	6.82	1.23	0.00	0.00	29.26	100.35	32.76	33.73	8.81	1.59	0.00	0.00	34.54	111.43
2540	12.48	7.92	3.42	0.61	0.00	0.00	10.12	34.55	14.98	8.04	4.33	0.78	0.00	0.00	13.88	42.01
2545	10.56	8.25	2.73	0.49	0.00	0.00	7.34	29.37	12.18	8.33	3.53	0.64	0.00	0.00	9.18	33.86
2555	20.69	11.11	4.99	0.90	0.00	0.00	19.18	56.87	25.86	11.37	6.56	1.18	0.00	0.00	26.97	71.94
2560	13.53	10.57	4.28	0.77	0.00	0.00	12.55	41.70	15.62	10.67	5.42	0.98	0.00	0.00	16.29	48.98
2565	13.60	10.62	3.42	0.62	0.00	0.00	9.46	37.72	15.69	10.72	4.42	0.80	0.00	0.00	11.82	43.45
2575	28.83	15.48	6.17	1.11	0.00	0.00	26.72	78.31	36.03	15.84	8.11	1.46	0.00	0.00	37.58	99.02
2580	19.54	15.26	5.29	0.95	0.00	0.00	18.12	59.16	22.55	15.41	6.70	1.21	0.00	0.00	23.52	69.39
2590	37.14	21.35	7.10	1.28	0.00	0.00	36.34	103.21	44.57	21.71	9.34	1.68	0.00	0.00	48.45	125.75
2595	35.56	20.44	7.10	1.28	0.00	0.00	34.79	99.17	42.67	20.79	9.34	1.68	0.00	0.00	46.39	120.87
2600	21.02	21.64	6.09	1.10	0.00	0.00	23.46	73.31	23.64	21.77	7.71	1.39	0.00	0.00	29.33	83.84
2605	22.14	20.53	4.87	0.88	0.00	0.00	17.96	66.38	24.91	20.67	6.29	1.13	0.00	0.00	21.65	74.65
2615	27.54	25.54	5.77	1.04	0.00	0.00	22.34	82.23	30.99	25.71	7.46	1.34	0.00	0.00	26.93	92.43
2620	24.57	25.29	7.22	1.30	0.00	0.00	27.43	85.81	27.64	25.44	9.14	1.65	0.00	0.00	34.28	98.15
2630	44.96	25.84	8.52	1.53	0.00	0.00	43.99	124.84	53.95	26.28	11.20	2.02	0.00	0.00	58.65	152.10
2635	42.56	24.46	8.52	1.53	0.00	0.00	41.55	118.72	51.07	24.88	11.20	2.02	0.00	0.00	55.53	144.70
2640	24.18	24.90	7.31	1.32	0.00	0.00	27.00	84.71	27.21	25.05	9.25	1.67	0.00	0.00	33.75	96.93
2650	53.78	35.62	12.65	2.28	0.00	0.00	64.32	168.65	62.74	36.06	16.62	2.99	0.00	0.00	75.04	193.45

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
2655	26.65	30.33	10.84	1.95	0.00	0.00	33.06	102.83	29.61	30.48	13.73	2.47	0.00	0.00	40.40	116.69
2670	10.31	8.05	2.61	0.47	0.00	0.00	7.17	28.61	11.90	8.13	3.38	0.61	0.00	0.00	8.96	32.98
2680	13.10	12.14	3.92	0.71	0.00	0.00	10.62	40.49	14.73	12.22	5.06	0.91	0.00	0.00	12.80	45.72
2690	18.06	16.75	4.04	0.73	0.00	0.00	14.65	54.23	20.32	16.86	5.22	0.94	0.00	0.00	17.66	61.00
2700	28.83	26.73	5.82	1.05	0.00	0.00	23.39	85.82	32.44	26.91	7.52	1.35	0.00	0.00	28.19	96.41
2715	17.60	18.12	8.52	1.53	0.00	0.00	19.65	65.42	19.80	18.23	10.80	1.94	0.00	0.00	24.56	75.33
2720	20.41	18.92	6.82	1.23	0.00	0.00	16.56	63.94	22.96	19.05	8.81	1.59	0.00	0.00	19.96	72.37
2730	22.42	23.09	9.89	1.78	0.00	0.00	25.04	82.22	25.23	23.22	12.53	2.25	0.00	0.00	31.29	94.52
2735	24.31	22.54	7.91	1.42	0.00	0.00	19.72	75.90	27.35	22.69	10.22	1.84	0.00	0.00	23.77	85.87
2745	29.82	30.70	10.69	1.92	0.00	0.00	33.29	106.42	33.55	30.88	13.54	2.44	0.00	0.00	41.62	122.03
2750	27.16	30.92	8.55	1.54	0.00	0.00	26.95	95.12	30.17	31.06	11.05	1.99	0.00	0.00	31.82	106.09
2760	41.80	47.59	16.28	2.93	0.00	0.00	41.49	150.09	46.45	47.82	21.02	3.78	0.00	0.00	48.98	168.05
2765	42.60	48.49	20.34	3.66	0.00	0.00	52.84	167.93	47.33	48.72	25.77	4.64	0.00	0.00	64.58	191.04
2780	13.55	10.58	7.07	1.27	0.00	0.00	12.57	45.04	15.64	10.69	8.95	1.61	0.00	0.00	16.31	53.20
2785	13.40	10.47	5.65	1.02	0.00	0.00	9.32	39.86	15.46	10.57	7.30	1.31	0.00	0.00	11.65	46.29
2795	34.24	18.39	9.11	1.64	0.00	0.00	31.75	95.13	42.80	18.81	11.98	2.16	0.00	0.00	44.64	120.39
2800	19.59	15.30	7.81	1.41	0.00	0.00	18.16	62.27	22.60	15.45	9.89	1.78	0.00	0.00	23.57	73.29
2805	19.38	15.13	6.25	1.12	0.00	0.00	13.47	55.35	22.36	15.28	8.07	1.45	0.00	0.00	16.84	64.00
2815	19.06	19.62	7.81	1.41	0.00	0.00	21.28	69.18	21.44	19.74	9.89	1.78	0.00	0.00	26.60	79.45
2820	20.22	18.75	6.25	1.12	0.00	0.00	16.41	62.75	22.75	18.88	8.07	1.45	0.00	0.00	19.77	70.92
2830	50.32	28.92	12.40	2.23	0.00	0.00	49.24	143.11	60.38	29.42	16.30	2.93	0.00	0.00	65.65	174.68
2835	26.49	27.28	10.63	1.91	0.00	0.00	29.58	95.89	29.81	27.44	13.47	2.42	0.00	0.00	36.97	110.11
2840	29.36	27.22	8.51	1.53	0.00	0.00	23.82	90.44	33.03	27.41	10.99	1.98	0.00	0.00	28.71	102.12
2850	25.13	28.60	12.77	2.30	0.00	0.00	31.17	99.97	27.92	28.74	16.18	2.91	0.00	0.00	38.09	113.84
2855	31.77	29.45	10.22	1.84	0.00	0.00	25.77	99.05	35.74	29.65	13.20	2.38	0.00	0.00	31.06	112.03
2870	15.66	12.23	4.16	0.75	0.00	0.00	14.52	47.32	18.07	12.35	5.27	0.95	0.00	0.00	18.85	55.49
2875	13.27	12.31	3.33	0.60	0.00	0.00	10.77	40.28	14.93	12.39	4.30	0.77	0.00	0.00	12.98	45.37
2885	19.54	15.26	5.88	1.06	0.00	0.00	18.12	59.86	22.55	15.41	7.45	1.34	0.00	0.00	23.52	70.27
2890	16.71	15.49	4.70	0.85	0.00	0.00	13.55	51.30	18.79	15.59	6.08	1.09	0.00	0.00	16.33	57.88
2895	18.30	18.84	7.01	1.26	0.00	0.00	20.44	65.85	20.59	18.96	8.88	1.60	0.00	0.00	25.54	75.57
2900	20.30	18.82	5.61	1.01	0.00	0.00	16.47	62.21	22.84	18.94	7.24	1.30	0.00	0.00	19.85	70.17
2905	51.13	58.21	8.98	1.62	0.00	0.00	50.74	170.68	56.81	58.49	11.60	2.09	0.00	0.00	59.90	188.89
2915	5.00	4.35	4.21	1.18	0.89	0.13	4.10	19.86								
2920	5.38	4.67	4.33	1.21	0.89	0.13	4.41	21.02								
2925	6.04	5.29	4.33	1.21	1.21	0.18	4.95	23.21								
2930	6.63	5.79	4.33	1.21	1.25	0.19	5.44	24.84								
2935	8.88	7.72	5.87	1.64	1.09	0.16	7.28	32.64								
2940	12.25	10.77	6.40	1.79	2.66	0.40	10.06	44.33								
2945	14.53	12.85	6.40	1.79	3.49	0.52	11.95	51.53								
2950	18.03	15.82	7.82	2.19	3.76	0.56	14.80	62.98								
2955	23.10	20.43	8.65	2.42	5.53	0.83	19.00	79.96								
2960	43.98	38.58	19.26	5.39	9.11	1.37	36.10	153.79								
2970	5.28	4.50	4.51	1.26	0.54	0.08	4.31	20.48								
2975	5.70	4.85	4.51	1.26	0.54	0.08	4.65	21.59								
2980	6.11	5.19	4.51	1.26	0.54	0.08	4.98	22.67								
2990	5.31	4.53	4.70	1.32	0.54	0.08	4.33	20.81								
2995	5.47	4.66	4.70	1.32	0.54	0.08	4.46	21.23								
3000	5.66	4.82	4.70	1.32	0.54	0.08	4.62	21.74								
3005	6.36	5.49	4.70	1.32	0.93	0.14	5.21	24.15								
3010	8.14	7.04	5.83	1.63	1.27	0.19	6.66	30.76								
3015	8.39	7.25	5.83	1.63	1.27	0.19	6.86	31.42								
3020	8.68	7.50	5.83	1.63	1.27	0.19	7.10	32.20								
3025	11.44	10.10	7.60	2.13	2.66	0.40	9.40	43.73								
3030	11.87	10.46	7.60	2.13	2.66	0.40	9.75	44.87								
3035	12.34	10.85	7.60	2.13	2.66	0.40	10.13	46.11								

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
3040	15.80	13.97	8.84	2.48	3.76	0.56	13.00	58.41								
3050	4.75	4.05	4.44	1.24	0.44	0.07	3.88	18.87								
3055	4.88	4.17	4.44	1.24	0.54	0.08	3.98	19.33								
3060	5.05	4.31	4.44	1.24	0.54	0.08	4.12	19.78								
3065	5.76	5.00	4.44	1.24	0.93	0.14	4.72	22.23								
3070	12.92	11.33	7.07	1.98	2.66	0.40	10.61	46.97								
3080	8.68	8.26	6.33	1.65	0.75	0.11	6.07	31.85	9.77	8.31	8.11	2.11	0.90	0.14	7.40	36.74
3085	15.23	14.38	9.04	2.35	0.93	0.14	10.63	52.70	17.14	14.47	11.65	3.03	1.14	0.17	12.96	60.56
3095	9.84	7.82	6.47	1.68	0.50	0.07	5.72	32.10	11.36	7.90	8.51	2.21	0.61	0.09	7.27	37.95
3100	9.84	9.37	7.64	1.99	0.92	0.14	6.88	36.78	11.07	9.43	10.05	2.61	1.13	0.17	8.38	42.84
3105	12.32	11.68	8.01	2.08	0.93	0.14	8.61	43.77	13.86	11.75	10.54	2.74	1.14	0.17	10.49	50.69
3110	16.16	17.21	9.21	2.39	2.44	0.37	13.22	61.00	17.96	17.31	11.84	3.08	3.02	0.45	15.74	69.40
3115	25.23	26.51	9.53	2.48	2.44	0.37	20.58	87.14	28.04	26.65	12.22	3.18	3.02	0.45	24.50	98.06
3120	26.88	31.00	14.61	3.80	3.19	0.48	25.06	105.02	29.56	31.14	18.83	4.90	3.94	0.59	29.29	118.25
3130	9.70	7.73	8.13	2.11	0.60	0.09	5.64	34.00	11.19	7.81	10.69	2.78	0.74	0.11	7.16	40.48
3135	9.51	9.00	8.13	2.11	0.66	0.10	6.64	36.15	10.70	9.06	10.69	2.78	0.82	0.12	8.10	42.27
3140	11.61	10.98	9.18	2.39	0.79	0.12	8.10	43.17	13.06	11.05	12.08	3.14	0.97	0.14	9.88	50.32
3150	10.07	8.00	7.90	2.05	0.50	0.07	5.86	34.45	11.62	8.08	10.39	2.70	0.61	0.09	7.43	40.92
3155	10.64	10.10	9.18	2.39	0.88	0.13	7.44	40.76	11.97	10.17	12.08	3.14	1.08	0.16	9.06	47.66
3160	11.53	10.93	8.95	2.33	0.88	0.13	8.06	42.81	12.98	11.00	11.78	3.06	1.08	0.16	9.82	49.88
3165	16.56	17.62	13.73	3.57	2.44	0.37	13.54	67.83	18.40	17.72	18.07	4.70	3.02	0.45	16.12	78.48
3175	15.57	14.87	5.95	1.55	1.63	0.24	10.90	50.71	17.52	14.97	7.59	1.97	2.01	0.30	13.28	57.64
3180	14.45	15.24	5.95	1.55	1.63	0.24	11.80	50.86	16.06	15.33	7.59	1.97	2.01	0.30	14.04	57.30
3185	17.84	18.72	9.59	2.49	1.63	0.24	14.54	65.05	19.82	18.82	12.38	3.22	2.01	0.30	17.31	73.86
3190	20.36	21.41	10.41	2.71	2.07	0.31	16.61	73.88	22.62	21.53	13.34	3.47	2.56	0.38	19.77	83.67
3195	26.09	29.83	12.48	3.24	2.07	0.31	24.28	98.30	28.70	29.96	16.06	4.18	2.56	0.38	28.38	110.22
3200	34.55	40.07	13.87	3.61	4.86	0.73	32.26	129.95	38.01	40.24	17.80	4.63	6.00	0.90	37.70	145.28
3210	13.14	12.62	5.77	1.50	1.63	0.24	9.20	44.10	14.78	12.70	7.34	1.91	2.01	0.30	11.21	50.25
3215	19.66	20.63	8.38	2.18	1.81	0.27	16.03	68.96	21.84	20.74	10.71	2.78	2.24	0.34	19.08	77.73
3220	20.12	23.13	8.61	2.24	2.07	0.31	18.75	75.23	22.14	23.23	11.00	2.86	2.56	0.38	21.91	84.08
3230	14.21	13.61	6.01	1.56	1.63	0.24	9.95	47.21	15.98	13.70	7.66	1.99	2.01	0.30	12.12	53.76
3235	14.75	15.55	7.35	1.91	1.63	0.24	12.04	53.47	16.39	15.64	9.42	2.45	2.01	0.30	14.33	60.54
3240	18.09	19.02	9.75	2.53	1.81	0.27	14.75	66.22	20.10	19.12	12.55	3.26	2.24	0.34	17.56	75.17
3245	20.08	23.09	10.26	2.67	2.07	0.31	18.71	77.19	22.08	23.19	13.20	3.43	2.53	0.38	21.87	86.68
3255	12.07	9.60	4.42	1.15	0.65	0.10	7.02	35.01	13.93	9.69	5.62	1.46	0.82	0.12	8.91	40.55
3260	11.27	10.65	4.67	1.21	0.76	0.11	7.86	36.53	12.67	10.72	5.93	1.54	0.94	0.14	9.59	41.53
3265	12.59	11.93	4.95	1.29	0.98	0.15	8.79	40.68	14.16	12.01	6.27	1.63	1.21	0.18	10.72	46.18
3270	16.10	15.36	6.69	1.74	1.63	0.24	11.26	53.02	18.11	15.46	8.57	2.23	2.01	0.30	13.72	60.40
3275	16.33	17.16	6.82	1.77	1.63	0.24	13.32	57.27	18.14	17.26	8.72	2.27	2.01	0.30	15.85	64.55
3280	17.81	18.80	8.41	2.19	2.07	0.31	14.54	64.13	19.79	18.90	10.71	2.79	2.56	0.38	17.31	72.44
3285	21.91	23.00	9.13	2.37	2.07	0.31	17.87	76.66	24.35	23.13	11.65	3.03	2.56	0.38	21.27	86.37
3290	21.15	24.28	10.29	2.68	2.07	0.31	19.70	80.48	23.27	24.39	13.19	3.43	2.56	0.38	23.03	90.25
3295	46.56	53.16	16.77	4.36	3.42	0.51	43.32	168.10	51.22	53.39	21.61	5.62	4.22	0.63	50.63	187.32
3305	11.00	11.32	3.51	6.63	0.00	0.00	10.91	43.37								
3310	0.47	0.48	0.00	0.00	0.00	0.00	0.46	1.41								
3315	1.75	1.81	0.00	0.00	0.00	0.00	1.74	5.30								
3320	13.84	14.24	6.14	7.95	0.00	0.00	13.73	55.90								
3325	0.47	0.48	0.00	0.00	0.00	0.00	0.46	1.41								
3330	1.75	1.81	0.00	0.00	0.00	0.00	1.74	5.30								
3335	16.91	17.41	6.14	7.95	0.00	0.00	16.78	65.19								
3340	0.58	0.60	0.00	0.00	0.00	0.00	0.58	1.76								
3345	1.78	1.83	0.00	0.00	0.00	0.00	1.77	5.38								
3350	19.56	20.13	9.65	9.71	0.00	0.00	19.41	78.46								
3355	0.62	0.64	0.00	0.00	0.00	0.00	0.61	1.87								
3360	3.46	3.56	0.00	0.00	0.00	0.00	3.43	10.45								

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
3365	20.61	21.22	9.65	9.71	0.00	0.00	20.45	81.64								
3370	0.58	0.60	0.00	0.00	0.00	0.00	0.58	1.76								
3375	3.65	3.75	0.00	0.00	0.00	0.00	3.62	11.02								
3385	5.67	3.03	0.00	0.34	0.00	0.00	5.81	14.85								
3390	5.20	2.78	0.00	0.50	0.00	0.00	5.33	13.81								
3395	5.92	3.17	0.00	0.67	0.00	0.00	6.08	15.84								
3400	6.98	3.73	0.00	0.67	0.00	0.00	7.16	18.54								
3405	7.75	4.14	0.00	0.84	0.00	0.00	7.95	20.68								
3415	6.40	3.42	0.00	0.48	0.00	0.00	6.56	16.86								
3420	6.98	3.73	0.00	0.64	0.00	0.00	7.15	18.50								
3425	7.92	4.23	0.00	1.01	0.00	0.00	8.12	21.28								
3435	5.71	3.05	0.00	0.55	0.00	0.00	5.86	15.17								
3440	6.48	3.46	0.00	0.55	0.00	0.00	6.65	17.14								
3445	7.92	4.23	0.00	0.82	0.00	0.00	8.12	21.09								
3455	1.40	0.75	0.00	0.31	0.00	0.00	1.44	3.90								
3460	0.90	0.48	0.00	0.31	0.00	0.00	0.92	2.61								
3465	0.13	0.07	0.00	0.25	0.00	0.00	0.14	0.59								
3475	2.11	1.13	2.05	0.49	0.00	0.00	2.16	7.94								
3480	1.47	0.78	0.93	0.22	0.00	0.00	1.51	4.91								
3490	1.33	0.71	1.14	0.18	0.00	0.00	1.37	4.73								
3495	2.02	1.08	2.94	0.47	0.00	0.00	2.07	8.58								
3500	2.41	1.29	1.86	0.45	0.00	0.00	2.47	8.48								
3505	2.78	1.48	2.51	0.60	0.00	0.00	2.85	10.22								
3510	3.33	1.78	2.79	0.67	0.00	0.00	3.42	11.99								
3520	1.27	0.68	1.71	0.27	0.00	0.00	1.30	5.23								
3525	1.96	1.05	2.28	0.55	0.00	0.00	2.01	7.85								
3535	16.31	12.85	14.15	3.39	1.23	0.18	16.77	64.88								
3545	15.17	11.97	10.47	2.51	1.22	0.18	15.61	57.13								
3550	23.22	18.30	15.59	3.74	1.68	0.25	23.88	86.66								
3555	24.72	19.46	16.29	3.91	1.68	0.25	25.42	91.73								
3560	17.86	13.87	19.08	4.58	0.00	0.00	18.31	73.70								
3565	19.73	15.32	19.08	4.58	0.00	0.00	20.23	78.94								
3570	22.37	22.80	19.08	4.58	0.00	0.00	22.94	91.77								
3575	41.42	42.21	32.99	16.49	0.00	0.00	21.24	154.35								
3595	1.21	0.66	1.05	0.47	0.05	0.01	0.99	4.44								
3600	1.21	0.67	1.05	0.47	0.06	0.01	0.99	4.46								
3605	1.25	0.70	1.05	0.47	0.08	0.01	1.03	4.59								
3610	1.75	0.97	1.87	0.84	0.09	0.01	1.44	6.97								
3615	1.78	0.98	1.87	0.84	0.09	0.01	1.46	7.03								
3620	1.96	1.08	2.75	1.24	0.09	0.01	1.61	8.74								
3625	2.42	1.34	3.10	1.40	0.14	0.02	1.99	10.41								
3630	2.55	1.41	3.10	1.40	0.12	0.02	2.09	10.69								
3635	2.71	1.48	3.10	1.40	0.08	0.01	2.22	11.00								
3640	1.18	0.64	2.86	0.69	0.03	0.00	0.96	6.36								
3645	1.53	0.85	3.71	0.89	0.11	0.02	1.26	8.37								
3650	1.52	0.87	3.71	0.89	0.19	0.03	1.26	8.47								
3655	2.17	1.21	4.86	1.17	0.13	0.02	1.79	11.35								
3660	2.20	1.22	4.86	1.17	0.13	0.02	1.81	11.41								
3665	2.29	1.27	4.86	1.17	0.13	0.02	1.88	11.62								
3670	3.30	1.83	5.10	1.22	0.19	0.03	2.71	14.38								
3675	3.56	1.97	2.63	0.63	0.19	0.03	2.92	11.93								
3680	4.62	2.61	4.70	1.13	0.45	0.07	3.81	17.39								
3685	5.05	2.84	4.70	1.13	0.45	0.07	4.16	18.40								
3690	5.21	2.91	4.70	1.13	0.40	0.06	4.29	18.70								
3695	5.78	3.27	4.70	1.13	0.57	0.09	4.77	20.31								

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	2.00	1.13	2.56	0.61	0.20	0.03	1.65	8.18								
3705	2.05	1.16	2.56	0.61	0.20	0.03	1.69	8.30								
3710	2.51	1.40	2.56	0.61	0.20	0.03	2.06	9.37								
3715	2.58	1.46	2.56	0.61	0.25	0.04	2.13	9.63								
3725	1.94	1.08	4.86	1.17	0.12	0.02	1.60	10.79								
3730	2.20	1.22	6.18	1.48	0.13	0.02	1.81	13.04								
3735	3.39	1.87	8.96	2.15	0.16	0.02	2.78	19.33								
3740	4.64	2.62	9.81	2.35	0.45	0.07	3.83	23.77								
3745	5.34	3.00	9.81	2.35	0.45	0.07	4.40	25.42								
3750	5.53	3.12	9.81	2.35	0.53	0.08	4.56	25.98								
3755	6.20	3.45	9.81	2.35	0.43	0.06	5.10	27.40								
3760	11.96	6.69	14.67	3.52	0.94	0.14	9.85	47.77								
3775	2.06	0.90	4.85	1.16	0.00	0.00	1.43	10.40	2.35	0.92	6.39	1.53	0.00	0.00	1.91	13.10
3780	2.42	1.07	7.52	1.81	0.00	0.00	1.69	14.51	2.77	1.08	9.90	2.38	0.00	0.00	2.25	18.38
3785	2.76	1.21	8.28	1.99	0.00	0.00	1.92	16.16	3.16	1.23	10.89	2.61	0.00	0.00	2.56	20.45
3790	2.93	1.29	9.78	2.35	0.00	0.00	2.03	18.38	3.35	1.31	12.87	3.09	0.00	0.00	2.71	23.33
3795	3.32	1.46	11.10	2.66	0.00	0.00	2.31	20.85	3.79	1.48	14.60	3.50	0.00	0.00	3.07	26.44
3800	3.87	1.70	12.41	2.98	0.00	0.00	2.69	23.65	4.43	1.73	16.33	3.92	0.00	0.00	3.59	30.00
3805	4.21	1.85	14.67	3.52	0.00	0.00	2.93	27.18	4.81	1.88	19.30	4.63	0.00	0.00	3.90	34.52
3810	7.70	3.39	15.99	3.84	0.00	0.00	5.36	36.28	8.81	3.44	21.04	5.05	0.00	0.00	7.14	45.48
3815	5.83	2.56	16.55	3.97	0.00	0.00	4.05	32.96	6.66	2.60	21.78	5.23	0.00	0.00	5.40	41.67
3820	6.78	2.98	23.51	5.64	0.00	0.00	4.71	43.62	7.74	3.03	30.94	7.42	0.00	0.00	6.28	55.41
3825	10.33	4.54	27.46	6.59	0.00	0.00	7.18	56.10	11.80	4.61	36.13	8.67	0.00	0.00	9.57	70.78
3830	15.32	6.74	30.47	7.31	0.00	0.00	10.65	70.49	17.51	6.84	40.09	9.62	0.00	0.00	14.20	88.26
3835	19.94	8.77	43.45	10.43	0.00	0.00	13.86	96.45	22.79	8.91	57.17	13.72	0.00	0.00	18.48	121.07
3845	0.07	0.03	0.39	0.09	0.00	0.00	0.05	0.63	0.07	0.03	0.50	0.12	0.00	0.00	0.06	0.78
3850	0.10	0.05	0.62	0.15	0.00	0.00	0.07	0.99	0.12	0.05	0.80	0.19	0.00	0.00	0.10	1.26
3855	0.13	0.06	0.93	0.22	0.00	0.00	0.09	1.43	0.15	0.06	1.21	0.29	0.00	0.00	0.12	1.83
3870	0.14	0.06	0.46	0.11	0.00	0.00	0.10	0.87	0.16	0.06	0.60	0.14	0.00	0.00	0.13	1.09
3875	0.31	0.14	1.08	0.26	0.00	0.00	0.22	2.01	0.36	0.14	1.41	0.34	0.00	0.00	0.29	2.54
3880	0.34	0.15	1.54	0.37	0.00	0.00	0.24	2.64	0.39	0.15	2.01	0.48	0.00	0.00	0.32	3.35
3885	0.36	0.16	0.23	0.05	0.00	0.00	0.25	1.05	0.41	0.16	0.30	0.07	0.00	0.00	0.34	1.28
3890	0.48	0.21	0.45	0.11	0.00	0.00	0.33	1.58	0.55	0.21	0.59	0.14	0.00	0.00	0.45	1.94
3895	0.69	0.30	0.83	0.20	0.00	0.00	0.48	2.50	0.79	0.31	1.09	0.26	0.00	0.00	0.64	3.09
3900	0.71	0.31	1.02	0.24	0.00	0.00	0.49	2.77	0.81	0.32	1.34	0.32	0.00	0.00	0.66	3.45
3905	1.05	0.46	2.37	0.57	0.00	0.00	0.73	5.18	1.20	0.47	3.12	0.75	0.00	0.00	0.97	6.51
3910	1.39	0.61	3.27	0.79	0.00	0.00	0.96	7.02	1.59	0.62	4.31	1.03	0.00	0.00	1.29	8.84
3915	1.60	0.70	3.84	0.92	0.00	0.00	1.11	8.17	1.82	0.71	5.05	1.21	0.00	0.00	1.48	10.27
3920	1.90	0.83	6.09	1.46	0.00	0.00	1.32	11.60	2.17	0.85	8.02	1.92	0.00	0.00	1.76	14.72
3925	1.99	0.87	6.09	1.46	0.00	0.00	1.38	11.79	2.27	0.89	8.02	1.92	0.00	0.00	1.84	14.94
3930	2.30	1.01	7.90	1.90	0.00	0.00	1.60	14.71	2.63	1.03	10.39	2.49	0.00	0.00	2.13	18.67
3935	2.73	1.20	10.38	2.49	0.00	0.00	1.89	18.69	3.12	1.22	13.66	3.28	0.00	0.00	2.53	23.81
3945	0.08	0.04	0.39	0.09	0.00	0.00	0.06	0.66	0.09	0.04	0.50	0.12	0.00	0.00	0.08	0.83
3950	0.08	0.04	0.39	0.09	0.00	0.00	0.06	0.66	0.09	0.04	0.50	0.12	0.00	0.00	0.08	0.83
3955	0.10	0.04	0.54	0.13	0.00	0.00	0.07	0.88	0.11	0.04	0.70	0.17	0.00	0.00	0.09	1.11
3960	0.13	0.06	0.77	0.19	0.00	0.00	0.09	1.24	0.14	0.06	1.01	0.24	0.00	0.00	0.12	1.57
3965	0.16	0.07	1.24	0.30	0.00	0.00	0.11	1.88	0.18	0.07	1.61	0.39	0.00	0.00	0.15	2.40
3970	0.17	0.07	1.24	0.30	0.00	0.00	0.12	1.90	0.19	0.07	1.61	0.39	0.00	0.00	0.16	2.42
3985	5.86	4.25	4.33	1.26	0.45	0.07	4.41	20.63	7.03	4.30	5.69	1.65	0.60	0.09	5.73	25.09
3990	6.69	4.83	4.68	1.36	0.45	0.07	5.03	23.11	8.03	4.90	6.15	1.78	0.60	0.09	6.54	28.09
3995	7.21	5.21	4.68	1.36	0.49	0.07	5.42	24.44	8.65	5.28	6.15	1.78	0.66	0.10	7.05	29.67
4000	7.31	5.30	5.20	1.51	0.56	0.08	5.51	25.47	8.78	5.38	6.83	1.98	0.76	0.11	7.16	31.00
4005	10.08	7.44	6.24	1.81	1.24	0.19	7.63	34.63	12.10	7.55	8.20	2.38	1.68	0.25	9.91	42.07
4010	14.38	10.66	8.66	2.51	1.93	0.29	10.89	49.32	17.26	10.81	11.38	3.30	2.62	0.39	14.16	59.92
4020	5.68	4.13	4.33	1.26	0.49	0.07	4.28	20.24	6.81	4.19	5.69	1.65	0.66	0.10	5.56	24.66

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
4025	6.43	4.68	4.99	1.45	0.54	0.08	4.85	23.02	7.72	4.74	6.56	1.90	0.73	0.11	6.30	28.06
4030	6.80	4.96	5.13	1.49	0.62	0.09	5.13	24.22	8.16	5.03	6.74	1.95	0.84	0.13	6.67	29.52
4035	7.45	5.40	6.27	1.82	0.54	0.08	5.61	27.17	8.95	5.47	8.24	2.39	0.73	0.11	7.29	33.18
4040	5.33	3.88	4.33	1.26	0.49	0.07	4.01	19.37	6.39	3.94	5.69	1.65	0.66	0.10	5.22	23.65
4045	5.90	4.30	4.99	1.45	0.54	0.08	4.45	21.71	7.08	4.36	6.56	1.90	0.73	0.11	5.78	26.52
4050	6.19	4.53	5.13	1.49	0.62	0.09	4.67	22.72	7.43	4.59	6.74	1.95	0.84	0.13	6.07	27.75
4055	6.78	4.94	6.27	1.82	0.62	0.09	5.11	25.63	8.14	5.01	8.24	2.39	0.84	0.13	6.64	31.39
4060	8.36	6.23	7.97	2.31	1.24	0.19	6.34	32.64	10.03	6.32	10.47	3.04	1.68	0.25	8.24	40.03
4070	3.15	2.26	2.36	0.68	0.15	0.02	2.36	10.98	3.78	2.29	3.10	0.90	0.20	0.03	3.07	13.37
4075	4.42	3.24	4.50	1.31	0.49	0.07	3.34	17.37	5.30	3.29	5.92	1.72	0.66	0.10	4.34	21.33
4080	4.86	3.58	5.02	1.46	0.56	0.08	3.67	19.23	5.83	3.63	6.60	1.91	0.76	0.11	4.77	23.61
4085	5.00	3.75	5.54	1.61	0.82	0.12	3.80	20.64	6.00	3.80	7.29	2.11	1.11	0.17	4.94	25.42
4095	2.70	1.94	4.85	0.78	0.15	0.02	2.03	12.47	3.24	1.97	6.29	1.01	0.20	0.03	2.64	15.38
4100	5.78	4.19	5.02	1.46	0.45	0.07	4.35	21.32	6.94	4.25	6.60	1.91	0.60	0.09	5.66	26.05
4105	6.65	4.84	6.44	1.87	0.56	0.08	5.01	25.45	7.98	4.90	8.47	2.46	0.76	0.11	6.51	31.19
4115	0.42	0.22	0.00	0.10	0.00	0.00	0.39	1.13								
4120	0.76	0.41	0.00	0.19	0.00	0.00	0.71	2.07								
4125	0.95	0.51	0.00	0.30	0.00	0.00	0.89	2.65								
4130	2.37	1.27	0.00	0.40	0.00	0.00	2.21	6.25								
4140	5.31	2.86	3.76	0.90	0.00	0.00	4.95	17.78								
4145	7.17	3.86	3.76	0.90	0.00	0.00	6.69	22.38								
4150	11.03	5.94	4.89	1.17	0.00	0.00	10.29	33.32								
4155	13.07	7.03	5.64	1.35	0.00	0.00	12.19	39.28								
4170	10.54	5.11	3.57	0.64	0.00	0.00	9.15	29.01	14.05	5.28	4.69	0.84	0.00	0.00	13.94	38.80
4175	15.35	8.24	6.41	1.15	0.00	0.00	14.23	45.38	19.18	8.43	8.42	1.52	0.00	0.00	20.01	57.56
4180	22.63	12.15	10.39	1.87	0.00	0.00	20.98	68.02	28.29	12.43	13.66	2.46	0.00	0.00	29.50	86.34
4185	32.03	18.41	15.80	2.84	0.00	0.00	31.34	100.42	38.44	18.73	20.77	3.74	0.00	0.00	41.79	123.47
4195	14.07	6.82	5.54	1.00	0.00	0.00	12.21	39.64	18.75	7.05	7.29	1.31	0.00	0.00	18.61	53.01
4200	17.27	9.27	8.14	1.47	0.00	0.00	16.01	52.16	21.58	9.49	10.70	1.93	0.00	0.00	22.51	66.21
4205	18.45	10.60	10.67	1.92	0.00	0.00	18.05	59.69	22.14	10.78	14.03	2.52	0.00	0.00	24.07	73.54
4210	39.36	22.63	21.34	3.84	0.00	0.00	38.52	125.69	47.24	23.01	28.05	5.05	0.00	0.00	51.36	154.71
4220	16.00	7.76	6.10	1.10	0.00	0.00	13.89	44.85	21.33	8.02	8.02	1.44	0.00	0.00	21.17	59.98
4225	18.97	10.19	7.10	1.28	0.00	0.00	17.59	55.13	23.71	10.42	9.34	1.68	0.00	0.00	24.73	69.88
4230	23.91	12.84	8.59	1.55	0.00	0.00	22.17	69.06	29.89	13.14	11.29	2.03	0.00	0.00	31.18	87.53
4235	35.58	20.45	13.58	2.44	0.00	0.00	34.81	106.86	42.69	20.80	17.85	3.21	0.00	0.00	46.42	130.97
4245	9.34	4.53	4.33	0.78	0.00	0.00	8.11	27.09	12.46	4.69	5.69	1.02	0.00	0.00	12.36	36.22
4250	11.63	5.64	5.72	1.03	0.00	0.00	10.10	34.12	15.50	5.83	7.51	1.35	0.00	0.00	15.38	45.57
4260	11.27	5.47	3.12	0.56	0.00	0.00	9.79	30.21	15.03	5.65	4.10	0.74	0.00	0.00	14.91	40.43
4265	13.97	6.77	4.68	0.84	0.00	0.00	12.13	38.39	18.62	7.00	6.15	1.11	0.00	0.00	18.48	51.36
4270	21.64	11.62	6.76	1.22	0.00	0.00	20.06	61.30	27.05	11.89	8.88	1.60	0.00	0.00	28.21	77.63
4275	33.71	18.10	11.26	2.03	0.00	0.00	31.25	96.35	42.14	18.52	14.80	2.66	0.00	0.00	43.95	122.07
4290	13.93	6.76	3.98	0.72	0.00	0.00	12.09	37.48	18.57	6.99	5.24	0.94	0.00	0.00	18.43	50.17
4295	17.41	8.44	5.54	1.00	0.00	0.00	15.12	47.51	23.21	8.73	7.29	1.31	0.00	0.00	23.03	63.57
4300	20.17	10.83	9.42	1.70	0.00	0.00	18.70	60.82	25.22	11.08	12.39	2.23	0.00	0.00	26.30	77.22
4315	11.37	6.11	6.24	1.12	0.00	0.00	10.54	35.38	14.22	6.25	8.20	1.48	0.00	0.00	14.83	44.98
4320	20.59	11.06	10.05	1.81	0.00	0.00	19.09	62.60	25.74	11.31	13.21	2.38	0.00	0.00	26.84	79.48
4325	25.71	14.78	13.51	2.43	0.00	0.00	25.15	81.58	30.85	15.03	17.76	3.20	0.00	0.00	33.54	100.38
4335	9.86	4.78	3.74	0.67	0.00	0.00	8.57	27.62	13.15	4.95	4.92	0.89	0.00	0.00	13.05	36.96
4340	13.12	6.36	4.95	0.89	0.00	0.00	11.39	36.71	17.49	6.58	6.51	1.17	0.00	0.00	17.36	49.11
4345	13.54	7.27	7.28	1.31	0.00	0.00	12.55	41.95	16.93	7.44	9.56	1.72	0.00	0.00	17.65	53.30
4350	19.76	10.61	8.32	1.50	0.00	0.00	18.32	58.51	24.70	10.86	10.93	1.97	0.00	0.00	25.77	74.23
4355	24.60	13.21	10.64	1.91	0.00	0.00	22.81	73.17	30.75	13.52	13.98	2.52	0.00	0.00	32.07	92.84
4360	27.47	15.79	11.50	2.07	0.00	0.00	26.88	83.71	32.97	16.06	15.12	2.72	0.00	0.00	35.84	102.71
4365	33.35	19.17	14.55	2.62	0.00	0.00	32.63	102.32	40.02	19.50	19.13	3.44	0.00	0.00	43.51	125.60
4370	39.76	22.35	16.08	2.89	0.00	0.00	38.90	120.48	47.71	23.24	21.13	3.80	0.00	0.00	51.87	147.75

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	47.62	31.54	26.33	4.74	0.00	0.00	56.95	167.18	55.55	31.93	34.61	6.23	0.00	0.00	66.44	194.76
4380	54.86	36.34	28.83	5.19	0.00	0.00	65.61	190.83	64.01	36.79	37.89	6.82	0.00	0.00	76.55	222.06
4395	13.11	6.36	5.27	0.95	0.00	0.00	11.39	37.08	17.48	6.58	6.92	1.25	0.00	0.00	17.35	49.58
4400	18.24	9.79	7.90	1.42	0.00	0.00	16.91	54.26	22.80	10.02	10.38	1.87	0.00	0.00	23.77	68.84
4405	22.60	12.14	10.53	1.90	0.00	0.00	20.95	68.12	28.25	12.42	13.84	2.49	0.00	0.00	29.46	86.46
4415	3.20	6.54	7.38	2.03	0.55	0.08	4.77	29.55	9.46	6.61	9.66	2.66	0.69	0.10	6.06	35.24
4420	10.76	8.55	7.46	1.94	0.57	0.09	6.26	35.63	12.41	8.64	9.60	2.49	0.72	0.11	7.94	41.91
4425	11.82	11.21	12.37	3.22	0.92	0.14	8.26	47.94	13.30	11.28	15.95	4.15	1.15	0.17	10.07	56.07
4435	1.40	0.76	0.00	0.11	0.00	0.00	1.35	3.62	1.74	0.78	0.00	0.11	0.00	0.00	1.89	4.52
4440	1.33	1.00	0.00	0.13	0.00	0.00	1.77	4.73	2.29	1.02	0.00	0.13	0.00	0.00	2.48	5.92
4445	2.72	1.48	0.00	0.16	0.00	0.00	2.62	6.98	3.40	1.51	0.00	0.16	0.00	0.00	3.69	8.76
4450	1.40	0.76	0.00	0.23	0.00	0.00	1.35	3.74	1.75	0.78	0.00	0.23	0.00	0.00	1.90	4.66
4460	1.13	0.61	0.54	0.13	0.00	0.00	2.27	4.68								
4470	0.79	0.45	0.30	0.07	0.06	0.01	1.62	3.30								
4475	1.03	0.58	0.84	0.20	0.06	0.01	2.11	4.83								
4480	1.40	0.78	0.74	0.18	0.06	0.01	2.85	6.02								
4490	1.87	1.35	1.05	0.29	0.79	0.12	2.33	7.80	2.34	1.37	1.39	0.39	1.23	0.19	3.23	10.14
4500	0.38	0.25	0.00	0.00	0.00	0.00	0.45	1.08	0.47	0.25	0.00	0.00	0.00	0.00	0.63	1.35
4505	0.55	0.36	0.00	0.00	0.00	0.00	0.66	1.57	0.68	0.37	0.00	0.00	0.00	0.00	0.92	1.97
4510	0.08	0.06	0.00	0.00	0.00	0.00	0.10	0.24	0.10	0.06	0.00	0.00	0.00	0.00	0.14	0.30
4515	0.44	0.29	0.00	0.00	0.00	0.00	0.53	1.26	0.54	0.29	0.00	0.00	0.00	0.00	0.73	1.56
4520	0.38	0.25	0.00	0.00	0.00	0.00	0.45	1.08	0.47	0.25	0.00	0.00	0.00	0.00	0.63	1.35
4525	0.44	0.29	0.00	0.00	0.00	0.00	0.54	1.27	0.56	0.30	0.00	0.00	0.00	0.00	0.75	1.61
4530	0.58	0.38	0.00	0.00	0.00	0.00	0.70	1.66	0.73	0.39	0.00	0.00	0.00	0.00	0.98	2.10
4535	0.07	0.04	0.00	0.00	0.00	0.00	0.08	0.19	0.08	0.04	0.00	0.00	0.00	0.00	0.11	0.23
4540	2.09	1.51	1.58	0.44	0.96	0.14	2.60	9.32	2.61	1.54	2.08	0.58	1.52	0.23	3.61	12.17
4550	0.47	0.31	0.00	0.00	0.00	0.00	0.57	1.35	0.58	0.31	0.00	0.00	0.00	0.00	0.78	1.67
4555	0.57	0.38	0.00	0.00	0.00	0.00	0.69	1.64	0.72	0.39	0.00	0.00	0.00	0.00	0.96	2.07
4560	0.08	0.06	0.00	0.00	0.00	0.00	0.10	0.24	0.10	0.06	0.00	0.00	0.00	0.00	0.14	0.30
4565	0.44	0.29	0.00	0.00	0.00	0.00	0.53	1.26	0.54	0.29	0.00	0.00	0.00	0.00	0.73	1.56
4570	0.42	0.28	0.00	0.00	0.00	0.00	0.51	1.21	0.53	0.28	0.00	0.00	0.00	0.00	0.71	1.52
4575	0.52	0.34	0.00	0.00	0.00	0.00	0.63	1.49	0.65	0.35	0.00	0.00	0.00	0.00	0.87	1.87
4580	0.66	0.43	0.00	0.00	0.00	0.00	0.79	1.88	0.82	0.44	0.00	0.00	0.00	0.00	1.10	2.36
4585	0.07	0.04	0.00	0.00	0.00	0.00	0.08	0.19	0.08	0.04	0.00	0.00	0.00	0.00	0.11	0.23
4590	2.35	1.73	2.11	0.59	1.28	0.19	2.95	11.20	2.94	1.76	2.77	0.78	2.01	0.30	4.09	14.65
4600	0.50	0.33	0.00	0.00	0.00	0.00	0.61	1.44	0.63	0.34	0.00	0.00	0.00	0.00	0.84	1.81
4605	0.61	0.40	0.00	0.00	0.00	0.00	0.73	1.74	0.76	0.41	0.00	0.00	0.00	0.00	1.02	2.19
4610	0.08	0.06	0.00	0.00	0.00	0.00	0.10	0.24	0.10	0.06	0.00	0.00	0.00	0.00	0.14	0.30
4615	0.44	0.29	0.00	0.00	0.00	0.00	0.53	1.26	0.54	0.29	0.00	0.00	0.00	0.00	0.73	1.56
4620	0.48	0.31	0.00	0.00	0.00	0.00	0.58	1.37	0.59	0.32	0.00	0.00	0.00	0.00	0.80	1.71
4625	0.62	0.41	0.00	0.00	0.00	0.00	0.75	1.78	0.77	0.42	0.00	0.00	0.00	0.00	1.04	2.23
4630	0.83	0.55	0.00	0.00	0.00	0.00	1.00	2.38	1.03	0.56	0.00	0.00	0.00	0.00	1.39	2.98
4635	0.07	0.04	0.00	0.00	0.00	0.00	0.08	0.19	0.08	0.04	0.00	0.00	0.00	0.00	0.11	0.23
4640	2.84	2.11	3.16	0.88	1.78	0.27	3.57	14.61	3.56	2.15	4.16	1.16	2.81	0.42	4.96	19.22
4650	0.53	0.35	0.00	0.00	0.00	0.00	0.65	1.53	0.67	0.36	0.00	0.00	0.00	0.00	0.90	1.93
4655	0.70	0.46	0.00	0.00	0.00	0.00	0.84	2.00	0.87	0.47	0.00	0.00	0.00	0.00	1.17	2.51
4660	0.08	0.06	0.00	0.00	0.00	0.00	0.10	0.24	0.10	0.06	0.00	0.00	0.00	0.00	0.14	0.30
4665	0.44	0.29	0.00	0.00	0.00	0.00	0.53	1.26	0.54	0.29	0.00	0.00	0.00	0.00	0.73	1.56
4670	0.59	0.39	0.00	0.00	0.00	0.00	0.72	1.70	0.74	0.40	0.00	0.00	0.00	0.00	1.00	2.14
4675	0.76	0.51	0.00	0.00	0.00	0.00	0.92	2.19	0.95	0.51	0.00	0.00	0.00	0.00	1.28	2.74
4680	1.03	0.68	0.00	0.00	0.00	0.00	1.25	2.96	1.29	0.69	0.00	0.00	0.00	0.00	1.73	3.71
4685	0.07	0.04	0.00	0.00	0.00	0.00	0.08	0.19	0.08	0.04	0.00	0.00	0.00	0.00	0.11	0.23
4690	5.19	3.71	4.70	1.32	2.08	0.31	6.44	23.75	6.48	3.78	6.19	1.73	3.27	0.49	8.94	30.88
4700	0.78	0.51	0.00	0.00	0.00	0.00	0.94	2.23	0.97	0.52	0.00	0.00	0.00	0.00	1.30	2.79
4705	0.08	0.06	0.00	0.00	0.00	0.00	0.10	0.24	0.10	0.06	0.00	0.00	0.00	0.00	0.14	0.30

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	0.49	0.32	0.00	0.00	0.00	0.00	0.59	1.40	0.61	0.33	0.00	0.00	0.00	0.00	0.82	1.76
4715	0.67	0.44	0.00	0.00	0.00	0.00	0.81	1.92	0.84	0.45	0.00	0.00	0.00	0.00	1.13	2.42
4720	0.93	0.61	0.00	0.00	0.00	0.00	1.12	2.66	1.16	0.63	0.00	0.00	0.00	0.00	1.56	3.35
4725	1.22	0.80	0.00	0.00	0.00	0.00	1.47	3.49	1.52	0.82	0.00	0.00	0.00	0.00	2.04	4.38
4730	0.07	0.04	0.00	0.00	0.00	0.00	0.08	0.19	0.08	0.04	0.00	0.00	0.00	0.00	0.11	0.23
4735	8.92	6.55	4.70	1.32	5.12	0.77	11.16	38.54	11.14	6.67	6.19	1.73	8.12	1.22	15.50	50.57
4740	10.01	7.29	6.96	1.95	5.22	0.78	12.50	44.71	12.52	7.42	9.16	2.56	8.29	1.24	17.36	58.55
4745	10.06	7.53	6.96	1.95	7.23	1.08	12.67	47.48	12.57	7.67	9.16	2.56	11.54	1.73	17.60	62.83
4750	11.58	8.68	10.91	3.05	8.54	1.28	14.59	58.63	14.47	8.84	14.35	4.02	13.68	2.05	20.27	77.68
4755	11.26	8.10	6.96	1.95	5.12	0.77	14.00	48.16	14.07	8.25	9.16	2.56	8.12	1.22	19.44	62.82
4760	11.93	8.56	6.96	1.95	5.22	0.78	14.82	50.22	14.92	8.72	9.16	2.56	8.29	1.24	20.59	65.48
4765	13.38	9.73	10.91	3.05	7.23	1.08	16.69	62.07	16.72	9.91	14.35	4.02	11.54	1.73	23.18	81.45
4770	14.71	10.75	10.91	3.05	8.54	1.28	18.39	67.63	18.39	10.95	14.35	4.02	13.68	2.05	25.54	88.98
4780	0.74	0.49	0.00	0.00	0.00	0.00	0.90	2.13	0.93	0.50	0.00	0.00	0.00	0.00	1.25	2.68
4785	0.99	0.65	0.00	0.00	0.00	0.00	1.19	2.83	1.23	0.66	0.00	0.00	0.00	0.00	1.66	3.55
4790	1.34	0.88	0.00	0.00	0.00	0.00	1.62	3.84	1.67	0.90	0.00	0.00	0.00	0.00	2.24	4.81
4795	1.53	1.01	0.00	0.00	0.00	0.00	1.86	4.40	1.92	1.03	0.00	0.00	0.00	0.00	2.58	5.53
4805	2.99	1.63	1.58	0.60	0.00	0.00	4.33	11.13	3.74	1.66	2.08	0.79	0.00	0.00	5.86	14.13
4810	3.86	2.10	2.15	0.82	0.00	0.00	5.58	14.51	4.82	2.14	2.83	1.08	0.00	0.00	7.55	18.42
4815	5.18	2.82	3.17	1.20	0.00	0.00	7.49	19.86	6.47	2.88	4.17	1.58	0.00	0.00	10.14	25.24
4820	7.05	3.83	4.26	1.62	0.00	0.00	10.19	26.95	8.81	3.92	5.61	2.13	0.00	0.00	13.80	34.27
4825	8.32	4.52	5.68	2.16	0.00	0.00	12.03	32.71	10.40	4.63	7.48	2.84	0.00	0.00	16.29	41.64
4835	3.34	1.81	2.64	1.00	0.00	0.00	4.82	13.61	4.17	1.86	3.47	1.32	0.00	0.00	6.53	17.35
4840	5.95	3.24	3.25	1.23	0.00	0.00	8.60	22.27	7.44	3.31	4.28	1.63	0.00	0.00	11.65	28.31
4845	7.42	4.03	4.46	1.70	0.00	0.00	10.73	28.34	9.27	4.13	5.88	2.23	0.00	0.00	14.53	36.04
4850	9.77	5.31	6.09	2.31	0.00	0.00	14.13	37.61	12.21	5.43	8.02	3.05	0.00	0.00	19.13	47.84
4855	14.60	7.94	8.52	3.24	0.00	0.00	21.11	55.41	18.25	8.12	11.23	4.27	0.00	0.00	28.59	70.46
4860	20.00	10.87	11.16	4.24	0.00	0.00	28.92	75.19	25.00	11.12	14.70	5.59	0.00	0.00	39.16	95.57
4870	4.48	2.44	3.53	1.34	0.00	0.00	6.48	18.27	5.60	2.49	4.65	1.77	0.00	0.00	8.78	23.29
4875	5.73	3.11	4.95	1.88	0.00	0.00	8.28	23.95	7.16	3.19	6.52	2.48	0.00	0.00	11.22	30.57
4880	7.55	4.11	6.09	2.31	0.00	0.00	10.92	30.98	9.44	4.20	8.02	3.05	0.00	0.00	14.79	39.50
4885	10.89	5.92	9.05	3.44	0.00	0.00	15.75	45.05	13.62	6.06	11.92	4.53	0.00	0.00	21.33	57.46
4895	3.90	2.12	2.64	1.00	0.00	0.00	5.64	15.30	4.87	2.17	3.47	1.32	0.00	0.00	7.63	19.46
4900	4.66	2.54	3.17	1.20	0.00	0.00	6.75	18.32	5.83	2.59	4.17	1.58	0.00	0.00	9.13	23.30
4905	7.53	4.15	5.28	2.01	0.00	0.00	11.03	30.10	9.53	4.24	6.95	2.64	0.00	0.00	14.93	38.29
4910	10.87	5.91	7.71	2.93	0.00	0.00	15.72	43.14	13.59	6.05	10.16	3.86	0.00	0.00	21.29	54.95
4920	2.86	1.56	1.70	0.65	0.00	0.00	4.14	10.91	3.58	1.59	2.25	0.85	0.00	0.00	5.61	13.88
4925	3.74	2.03	2.64	1.00	0.00	0.00	5.41	14.82	4.67	2.08	3.47	1.32	0.00	0.00	7.32	18.86
4935	3.57	1.94	2.56	0.97	0.00	0.00	5.16	14.20	4.46	1.98	3.37	1.28	0.00	0.00	6.98	18.07
4940	6.24	3.39	4.46	1.70	0.00	0.00	9.03	24.82	7.80	3.47	5.88	2.23	0.00	0.00	12.22	31.60
4945	7.59	4.13	5.48	2.08	0.00	0.00	10.98	30.26	9.49	4.22	7.22	2.74	0.00	0.00	14.87	38.54
4950	11.22	6.10	8.12	3.08	0.00	0.00	16.23	44.75	14.03	6.24	10.69	4.06	0.00	0.00	21.98	57.00
4955	21.89	11.91	14.21	5.40	0.00	0.00	31.66	85.07	27.37	12.18	18.71	7.11	0.00	0.00	42.87	108.24
4965	0.53	0.33	1.24	0.40	0.09	0.01	0.47	3.07	0.66	0.34	1.61	0.52	0.17	0.03	0.63	3.96
4970	0.67	0.41	0.49	0.20	0.09	0.01	0.59	2.46	0.83	0.42	0.64	0.26	0.17	0.03	0.79	3.14
4975	0.77	0.47	1.78	0.57	0.08	0.01	0.68	4.36	0.97	0.48	2.31	0.74	0.15	0.02	0.91	5.58
4980	0.92	0.56	0.71	0.29	0.08	0.01	0.81	3.38	1.14	0.57	0.94	0.38	0.15	0.02	1.08	4.28
4985	0.96	0.59	2.32	0.74	0.10	0.01	0.85	5.57	1.20	0.60	3.02	0.97	0.18	0.03	1.13	7.13
4990	0.92	0.56	2.32	0.74	0.10	0.01	0.81	5.46	1.15	0.58	3.02	0.97	0.18	0.03	1.09	7.02
4995	1.08	0.66	1.05	0.42	0.10	0.01	0.95	4.27	1.35	0.67	1.39	0.55	0.18	0.03	1.28	5.45
5000	0.99	0.60	2.47	0.79	0.10	0.01	0.87	5.83	1.23	0.62	3.22	1.03	0.18	0.03	1.16	7.47
5005	1.15	0.70	2.63	0.84	0.10	0.01	1.01	6.44	1.43	0.71	3.42	1.09	0.18	0.03	1.35	8.21
5010	1.23	0.75	1.35	0.54	0.10	0.01	1.08	5.06	1.54	0.76	1.78	0.71	0.18	0.03	1.45	6.45
5015	1.49	0.93	1.58	0.63	0.26	0.04	1.32	6.25	1.86	0.95	2.08	0.83	0.50	0.07	1.77	8.06
5020	1.55	0.96	2.03	0.81	0.26	0.04	1.37	7.02	1.94	0.98	2.67	1.07	0.50	0.07	1.84	9.07

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
5025	2.69	1.76	2.93	1.17	0.97	0.14	2.42	12.08	3.37	1.79	3.86	1.54	1.84	0.28	3.24	15.92
5035	4.42	2.74	3.12	1.25	0.65	0.10	3.91	16.19	5.53	2.79	4.11	1.64	1.24	0.19	5.24	20.74
5040	5.37	3.31	3.87	1.55	0.68	0.10	4.75	19.63	6.71	3.38	5.10	2.04	1.30	0.19	6.36	25.08
5045	7.58	4.68	4.97	1.99	1.00	0.15	6.70	27.07	9.48	4.77	6.53	2.61	1.90	0.28	8.98	34.55
5050	9.99	6.23	6.96	2.78	1.75	0.26	8.86	36.83	12.49	6.36	9.16	3.66	3.33	0.50	11.86	47.36
5060	3.55	2.23	2.45	0.98	0.73	0.11	3.15	13.20	4.44	2.28	3.22	1.29	1.40	0.21	4.22	17.06
5065	4.63	2.87	3.01	1.20	0.74	0.11	4.10	16.66	5.78	2.93	3.96	1.58	1.42	0.21	5.49	21.37
5070	5.25	3.28	3.76	1.50	1.00	0.15	4.66	19.60	6.56	3.35	4.95	1.98	1.90	0.28	6.24	25.26
5075	8.42	5.28	4.89	1.96	1.66	0.25	7.48	29.94	10.52	5.39	6.43	2.57	3.18	0.48	10.01	38.58
5080	11.37	7.19	7.52	3.01	2.65	0.40	10.12	42.26	14.22	7.34	9.90	3.96	5.06	0.76	13.56	54.80
5085	14.46	8.93	10.16	3.05	4.81	0.72	11.22	53.35	17.36	9.09	13.36	4.01	9.19	1.38	14.42	68.81
5090	20.19	12.95	14.11	4.23	7.52	1.13	15.76	75.89	24.22	13.17	18.56	5.57	14.35	2.15	20.26	98.28
5095	40.13	26.34	25.96	7.79	18.38	2.76	31.45	152.81	48.15	26.80	34.15	10.25	35.09	5.26	40.44	200.14
5105	4.13	2.58	3.08	1.23	0.73	0.11	3.66	15.52	5.17	2.63	4.06	1.62	1.40	0.21	4.91	20.00
5110	4.80	2.98	4.03	1.61	0.74	0.11	4.25	18.52	6.00	3.04	5.30	2.12	1.42	0.21	5.69	23.78
5115	5.57	3.47	4.55	1.82	1.00	0.15	4.93	21.49	6.96	3.54	5.99	2.40	1.90	0.28	6.61	27.68
5120	8.08	5.11	5.79	2.32	1.91	0.29	7.19	30.69	10.09	5.22	7.62	3.05	3.65	0.55	9.63	39.81
5125	10.84	6.94	7.90	3.16	3.05	0.46	9.68	42.03	13.55	7.08	10.39	4.16	5.82	0.87	12.96	54.83
5130	13.83	8.57	10.27	3.08	4.81	0.72	10.73	52.01	16.60	8.72	13.51	4.05	9.19	1.38	13.80	67.25
5135	19.09	12.02	13.54	4.06	5.82	0.87	14.86	70.26	22.91	12.23	17.82	5.35	11.11	1.67	19.10	90.19
5140	35.30	22.86	23.02	6.91	14.36	2.15	27.60	132.20	42.36	23.25	30.29	9.09	27.42	4.11	35.49	172.01
5150	3.70	2.31	3.01	1.20	0.68	0.10	3.28	14.28	4.62	2.36	3.96	1.58	1.30	0.19	4.39	18.40
5155	4.87	3.01	3.84	1.53	0.68	0.10	4.31	18.34	6.09	3.07	5.05	2.02	1.30	0.19	5.77	23.49
5160	5.31	3.32	4.51	1.81	1.00	0.15	4.71	20.81	6.63	3.39	5.94	2.38	1.90	0.28	6.30	26.82
5165	7.33	4.68	5.83	2.33	2.01	0.30	6.54	29.02	9.16	4.78	7.67	3.07	3.83	0.57	8.76	37.84
5170	10.66	6.83	8.09	3.24	3.05	0.46	9.52	41.85	13.32	6.97	10.64	4.26	5.82	0.87	12.75	54.63
5175	15.38	9.88	12.60	3.78	5.82	0.87	12.01	60.34	18.45	10.05	16.58	4.97	11.11	1.67	15.44	78.27
5185	3.20	2.14	3.01	1.20	1.50	0.22	2.89	14.16	4.00	2.18	3.96	1.58	2.86	0.43	3.87	18.88
5190	4.14	2.62	3.76	1.50	1.00	0.15	3.68	16.85	5.17	2.67	4.95	1.98	1.90	0.28	4.93	21.88
5195	4.91	3.09	4.51	1.81	1.05	0.16	4.36	19.89	6.13	3.15	5.94	2.38	2.01	0.30	5.84	25.75
5200	7.36	4.64	5.83	2.33	1.66	0.25	6.54	28.61	9.19	4.74	7.67	3.07	3.18	0.48	8.76	37.09
5205	10.04	6.44	7.11	2.84	2.90	0.44	8.97	38.74	12.56	6.57	9.36	3.74	5.55	0.83	12.02	50.63
5210	13.87	8.59	7.86	2.36	4.81	0.72	10.76	48.97	16.64	8.74	10.35	3.10	9.19	1.38	13.84	63.24
5215	19.66	12.35	15.61	4.68	5.82	0.87	15.29	74.28	23.59	12.56	20.54	6.16	11.11	1.67	19.66	95.29
5220	40.61	25.40	22.20	6.66	11.41	1.71	31.57	139.56	48.74	25.83	29.20	8.76	21.78	3.27	40.59	178.17
5230	7.38	4.66	6.02	2.41	1.66	0.25	6.57	28.95	9.23	4.76	7.92	3.17	3.18	0.48	8.80	37.54
5235	10.69	6.49	8.69	2.61	2.65	0.40	8.27	39.80	12.83	6.60	11.43	3.43	5.06	0.76	10.63	50.74
5240	13.84	8.57	11.55	3.46	4.81	0.72	10.74	53.69	16.61	8.72	15.20	4.56	9.19	1.38	13.81	69.47
5245	19.65	12.34	14.60	4.38	5.82	0.87	15.28	72.94	23.58	12.55	19.21	5.76	11.11	1.67	19.65	93.53
5250	26.76	17.21	16.33	4.90	10.20	1.53	20.90	97.83	32.11	17.50	21.48	6.44	19.48	2.92	26.87	126.80
5260	4.61	2.86	3.20	1.29	0.74	0.11	4.08	16.88	5.76	2.92	4.21	1.68	1.42	0.21	5.47	21.67
5265	5.26	3.29	9.03	2.89	1.00	0.15	4.67	26.29	6.58	3.36	11.77	3.77	1.90	0.28	6.25	33.91
5270	7.47	4.71	5.42	2.17	1.66	0.25	6.65	28.33	9.34	4.81	7.13	2.85	3.18	0.48	8.90	36.69
5275	9.06	5.80	6.85	2.74	2.53	0.38	8.09	35.45	11.33	5.92	9.01	3.60	4.82	0.72	10.84	46.24
5280	9.88	6.30	8.09	3.24	2.65	0.40	8.82	39.38	12.35	6.43	10.64	4.26	5.06	0.76	11.81	51.31
5285	13.85	8.58	10.72	3.22	4.81	0.72	10.75	52.65	16.62	8.73	14.11	4.23	9.19	1.38	13.82	68.08
5290	18.15	11.48	15.05	4.51	5.82	0.87	14.14	70.02	21.78	11.67	19.80	5.94	11.11	1.67	18.17	90.14
5300	3.26	1.99	2.07	0.58	0.21	0.03	3.28	11.42	4.08	2.03	2.72	0.76	0.29	0.04	4.36	14.28
5305	4.65	2.85	3.01	0.84	0.37	0.06	4.69	16.47	5.81	2.90	3.96	1.11	0.52	0.08	6.23	20.61
5315	3.00	1.90	2.33	0.65	0.58	0.09	3.05	11.60	3.75	1.94	3.07	0.86	0.82	0.12	4.05	14.61
5320	4.70	2.91	3.01	0.84	0.55	0.08	4.76	16.85	5.88	2.97	3.96	1.11	0.76	0.11	6.32	21.11
5330	3.85	2.09	1.58	0.60	0.00	0.00	5.56	13.68	4.81	2.14	2.08	0.79	0.00	0.00	7.54	17.36
5335	4.71	2.56	2.15	0.82	0.00	0.00	6.81	17.05	5.89	2.62	2.83	1.08	0.00	0.00	9.22	21.64
5345	4.28	2.33	2.64	1.00	0.00	0.00	6.19	16.44	5.35	2.38	3.47	1.32	0.00	0.00	8.38	20.90
5365	0.55	0.23	0.00	0.48	0.00	0.00	0.66	1.92								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
5370	1.14	0.48	0.00	1.00	0.00	0.00	1.38	4.00								
5375	2.21	0.92	0.00	1.89	0.00	0.00	2.68	7.70								
5380	0.57	0.24	0.00	0.24	0.00	0.00	0.69	1.74								
5385	0.90	0.37	0.00	0.34	0.00	0.00	1.09	2.70								
5395	1.57	0.65	0.00	0.24	0.00	0.00	1.90	4.36								
5400	2.36	0.98	0.00	0.32	0.00	0.00	2.86	6.52								
5410	1.85	0.77	0.00	0.26	0.00	0.00	2.24	5.12								
5415	2.50	1.04	0.00	0.47	0.00	0.00	3.02	7.03								
5420	2.93	1.22	0.00	0.75	0.00	0.00	3.54	8.44								
5430	4.06	1.69	0.00	0.06	0.00	0.00	4.91	10.72								
5435	4.21	1.75	0.00	0.06	0.00	0.00	5.10	11.12								
5440	7.26	3.02	0.00	0.06	0.00	0.00	8.78	19.12								
5445	7.71	3.21	0.00	0.06	0.00	0.00	9.33	20.31								
5455	4.03	1.68	0.00	0.41	0.00	0.00	4.88	11.00								
5460	4.61	1.92	0.00	0.47	0.00	0.00	5.58	12.58								
5465	5.30	2.21	0.00	0.57	0.00	0.00	6.41	14.49								
5470	5.80	2.42	0.00	0.70	0.00	0.00	7.02	15.94								
5475	6.50	2.71	0.00	0.61	0.00	0.00	7.86	17.68								
5480	7.77	3.24	0.00	0.90	0.00	0.00	9.41	21.32								
5485	9.19	3.83	0.00	0.90	0.00	0.00	11.12	25.04								
5490	10.79	4.50	0.00	1.09	0.00	0.00	13.05	29.43								
5495	18.16	7.57	0.00	1.20	0.00	0.00	21.98	48.91								
5505	2.96	1.23	0.00	0.47	0.00	0.00	3.59	8.25								
5510	3.51	1.46	0.00	0.62	0.00	0.00	4.24	9.83								
5515	4.77	1.99	0.00	0.62	0.00	0.00	5.78	13.16								
5520	1.23	0.51	0.00	0.24	0.00	0.00	1.49	3.47								
5525	1.55	0.64	0.00	0.32	0.00	0.00	1.87	4.38								
5530	1.99	0.83	0.00	0.41	0.00	0.00	2.40	5.63								
5540	5.12	2.13	0.00	0.64	0.00	0.00	6.19	14.08								
5545	5.87	2.45	0.00	0.75	0.00	0.00	7.10	16.17								
5550	6.30	2.62	0.00	0.90	0.00	0.00	7.62	17.44								
5555	7.58	3.16	0.00	1.05	0.00	0.00	9.17	20.96								
5560	9.55	3.98	0.00	1.09	0.00	0.00	11.55	26.17								
5565	13.74	5.73	0.00	1.30	0.00	0.00	16.63	37.40								
5575	7.18	2.99	2.22	0.62	0.00	0.00	8.69	21.70								
5580	14.03	5.85	5.87	1.64	0.00	0.00	16.98	44.37								
5585	19.15	7.98	11.10	3.11	0.00	0.00	23.17	64.51								
5595	5.69	5.10	2.18	0.70	0.00	0.00	6.48	20.15	6.83	5.15	2.81	0.90	0.00	0.00	8.81	24.50
5600	9.19	8.23	4.16	1.33	0.00	0.00	10.46	33.37	11.03	8.32	5.35	1.71	0.00	0.00	14.22	40.63
5605	10.52	9.42	4.16	1.33	0.00	0.00	11.97	37.40	12.63	9.52	5.35	1.71	0.00	0.00	16.28	45.49
5610	13.22	11.84	6.24	2.00	0.00	0.00	15.04	48.34	15.87	11.97	8.02	2.57	0.00	0.00	20.46	58.89
5615	18.47	16.53	8.52	2.73	0.00	0.00	21.01	67.26	22.17	16.71	10.96	3.51	0.00	0.00	28.57	81.92
5625	1.11	0.54	0.00	0.15	0.00	0.00	1.25	3.05								
5630	0.41	0.20	0.00	0.10	0.00	0.00	0.46	1.17								
5635	1.64	0.80	0.00	0.30	0.00	0.00	1.84	4.58								
5640	0.71	0.34	0.00	0.05	0.00	0.00	0.79	1.89								
5650	0.51	0.28	1.06	0.34	0.00	0.00	0.48	2.67								
5655	0.65	0.35	1.60	0.51	0.00	0.00	0.61	3.72								
5665	0.03	0.02	0.21	0.07	0.00	0.00	0.03	0.36								
5670	0.04	0.02	0.32	0.10	0.00	0.00	0.04	0.52								
5675	0.08	0.04	0.85	0.27	0.00	0.00	0.07	1.31								
5685	0.68	0.37	4.58	1.47	0.00	0.00	0.63	7.73								
5690	0.39	0.21	1.57	0.60	0.00	0.00	0.36	3.13								
5695	0.90	0.48	8.41	2.69	0.00	0.00	0.84	13.32								
5700	1.30	0.70	3.15	1.20	0.00	0.00	1.21	7.56								

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	1.67	0.90	3.67	1.40	0.00	0.00	1.56	9.20								
5710	1.77	0.95	3.57	1.36	0.00	0.00	1.65	9.30								
5720	0.07	0.04	0.53	0.17	0.00	0.00	0.06	0.87								
5725	0.10	0.05	0.85	0.27	0.00	0.00	0.09	1.36								
5730	0.19	0.10	1.70	0.55	0.00	0.00	0.18	2.72								
5740	0.08	0.04	0.32	0.10	0.00	0.00	0.08	0.62								
5745	0.10	0.05	0.32	0.10	0.00	0.00	0.09	0.66								
5755	0.12	0.07	0.12	0.05	0.00	0.00	0.06	0.42								
5760	0.17	0.09	0.29	0.13	0.00	0.00	0.08	0.76								
5765	0.61	0.33	1.46	0.66	0.00	0.00	0.28	3.34								
5770	0.80	0.43	3.51	1.58	0.00	0.00	0.37	6.69								
5780	0.10	0.06	0.12	0.05	0.00	0.00	0.05	0.38								
5795	0.13	0.07	0.23	0.11	0.00	0.00	0.06	0.60								
5795	3.98	1.77	0.00	0.08	0.00	0.00	3.83	9.66	5.30	1.83	0.00	0.08	0.00	0.00	5.75	12.96
5800	0.31	0.14	0.00	0.00	0.00	0.00	0.30	0.75	0.41	0.14	0.00	0.00	0.00	0.00	0.45	1.00
5805	2.31	1.03	0.00	0.08	0.00	0.00	2.22	5.64	3.07	1.06	0.00	0.08	0.00	0.00	3.33	7.54
5810	0.22	0.10	0.00	0.00	0.00	0.00	0.22	0.54	0.30	0.10	0.00	0.00	0.00	0.00	0.32	0.72
5815	1.92	0.85	0.00	0.08	0.00	0.00	1.85	4.70	2.56	0.89	0.00	0.08	0.00	0.00	2.78	6.31
5820	0.14	0.06	0.00	0.00	0.00	0.00	0.13	0.33	0.18	0.06	0.00	0.00	0.00	0.00	0.20	0.44
5825	0.88	0.39	0.00	0.08	0.00	0.00	0.84	2.19	1.17	0.40	0.00	0.08	0.00	0.00	1.27	2.92
5830	0.03	0.01	0.00	0.00	0.00	0.00	0.03	0.07	0.04	0.01	0.00	0.00	0.00	0.00	0.04	0.09
5835	1.98	0.88	0.00	0.08	0.00	0.00	1.91	4.85	2.64	0.91	0.00	0.08	0.00	0.00	2.86	6.49
5840	0.18	0.08	0.00	0.00	0.00	0.00	0.17	0.43	0.24	0.08	0.00	0.00	0.00	0.00	0.26	0.58
5845	1.45	0.65	0.00	0.08	0.00	0.00	1.40	3.58	1.93	0.67	0.00	0.08	0.00	0.00	2.10	4.79
5850	0.13	0.06	0.00	0.00	0.00	0.00	0.13	0.32	0.17	0.06	0.00	0.00	0.00	0.00	0.19	0.42
5855	0.82	0.36	0.00	0.08	0.00	0.00	0.79	2.05	1.09	0.38	0.00	0.08	0.00	0.00	1.18	2.73
5860	0.03	0.01	0.00	0.00	0.00	0.00	0.03	0.07	0.04	0.01	0.00	0.00	0.00	0.00	0.04	0.09
5865	2.24	0.99	0.00	0.08	0.00	0.00	2.16	5.47	2.98	1.03	0.00	0.08	0.00	0.00	3.23	7.32
5870	0.18	0.08	0.00	0.00	0.00	0.00	0.17	0.43	0.24	0.08	0.00	0.00	0.00	0.00	0.26	0.58
5875	2.17	0.97	0.00	0.08	0.00	0.00	2.10	5.32	2.90	1.00	0.00	0.08	0.00	0.00	3.14	7.12
5880	0.41	0.18	0.00	0.00	0.00	0.00	0.40	0.99	0.55	0.19	0.00	0.00	0.00	0.00	0.60	1.34
5885	1.98	0.88	0.00	0.08	0.00	0.00	1.91	4.85	2.64	0.91	0.00	0.08	0.00	0.00	2.86	6.49
5890	0.18	0.08	0.00	0.00	0.00	0.00	0.17	0.43	0.24	0.08	0.00	0.00	0.00	0.00	0.26	0.58
5895	0.68	0.37	0.00	0.08	0.00	0.00	0.66	1.79	0.85	0.38	0.00	0.08	0.00	0.00	0.92	2.23
5905	4.57	2.03	0.00	0.08	0.00	0.00	4.40	11.08	6.09	2.11	0.00	0.08	0.00	0.00	6.61	14.89
5910	0.33	0.15	0.00	0.00	0.00	0.00	0.32	0.80	0.44	0.15	0.00	0.00	0.00	0.00	0.48	1.07
5915	4.87	2.16	0.00	0.08	0.00	0.00	4.69	11.80	6.49	2.25	0.00	0.08	0.00	0.00	7.04	15.86
5920	3.87	1.72	0.00	0.08	0.00	0.00	3.73	9.40	5.17	1.79	0.00	0.08	0.00	0.00	5.60	12.64
5925	0.30	0.13	0.00	0.00	0.00	0.00	0.29	0.72	0.40	0.14	0.00	0.00	0.00	0.00	0.43	0.97
5930	3.61	1.60	0.00	0.08	0.00	0.00	3.48	8.77	4.81	1.66	0.00	0.08	0.00	0.00	5.21	11.76
5935	2.61	1.16	0.00	0.08	0.00	0.00	2.52	6.37	3.49	1.21	0.00	0.08	0.00	0.00	3.78	8.56
5940	0.17	0.07	0.00	0.00	0.00	0.00	0.16	0.40	0.22	0.08	0.00	0.00	0.00	0.00	0.24	0.54
5945	2.54	1.13	0.00	0.08	0.00	0.00	2.45	6.20	3.39	1.17	0.00	0.08	0.00	0.00	3.68	8.32
5950	1.46	0.65	0.00	0.08	0.00	0.00	1.41	3.60	1.95	0.67	0.00	0.08	0.00	0.00	2.11	4.81
5955	0.09	0.04	0.00	0.00	0.00	0.00	0.08	0.21	0.12	0.04	0.00	0.00	0.00	0.00	0.13	0.29
5960	0.91	0.41	0.00	0.08	0.00	0.00	0.88	2.28	1.22	0.42	0.00	0.08	0.00	0.00	1.32	3.04
5965	0.04	0.02	0.00	0.00	0.00	0.00	0.04	0.10	0.06	0.02	0.00	0.00	0.00	0.00	0.06	0.14
5970	0.56	0.25	0.00	0.08	0.00	0.00	0.54	1.43	0.75	0.26	0.00	0.08	0.00	0.00	0.82	1.91
5975	0.02	0.01	0.00	0.00	0.00	0.00	0.02	0.05	0.03	0.01	0.00	0.00	0.00	0.00	0.03	0.07
5980	0.25	0.11	0.00	0.08	0.00	0.00	0.24	0.68	0.33	0.12	0.00	0.08	0.00	0.00	0.36	0.89
5985	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.03	0.02	0.01	0.00	0.00	0.00	0.00	0.02	0.05
5995	5.42	2.41	0.00	0.05	0.00	0.00	5.23	13.11	7.23	2.50	0.00	0.05	0.00	0.00	7.34	17.62
6000	4.39	1.96	0.00	0.05	0.00	0.00	4.24	10.64	5.86	2.03	0.00	0.05	0.00	0.00	6.36	14.30
6005	2.85	1.27	0.00	0.05	0.00	0.00	2.75	6.92	3.81	1.32	0.00	0.05	0.00	0.00	4.13	9.31
6010	2.70	1.20	0.00	0.05	0.00	0.00	2.60	6.55	3.60	1.25	0.00	0.05	0.00	0.00	3.90	8.80

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
6020	2.85	1.68	3.08	0.74	0.25	0.04	3.15	11.79								
6025	2.92	1.72	3.20	0.77	0.25	0.04	3.23	12.13								
6030	3.58	2.11	3.20	0.77	0.32	0.05	3.96	13.99								
6035	5.72	3.40	4.70	1.13	0.66	0.10	6.33	22.04								
6045	2.19	1.30	2.86	0.69	0.25	0.04	2.43	9.76								
6050	2.36	1.40	2.86	0.69	0.25	0.04	2.62	10.22								
6055	2.42	1.43	2.93	0.70	0.25	0.04	2.68	10.45								
6060	2.30	1.38	8.26	1.98	0.32	0.05	2.56	16.85								
6065	2.58	1.54	2.86	0.69	0.32	0.05	2.86	10.90								
6070	2.39	1.45	8.26	1.98	0.37	0.06	2.66	17.17								
6075	2.67	1.60	2.86	0.69	0.37	0.06	2.96	11.21								
6080	5.85	3.51	4.40	1.06	0.77	0.12	6.50	22.21								
6090	2.45	1.45	2.56	0.61	0.25	0.04	2.71	10.07								
6095	3.07	1.80	2.56	0.61	0.22	0.03	3.39	11.68								
6100	6.17	3.66	4.89	1.17	0.68	0.10	6.83	23.50								
6105	7.06	4.47	4.89	1.17	1.98	0.30	7.94	27.81								
6115	2.92	2.44	0.00	0.05	1.88	0.28	3.55	11.12								
6120	4.24	2.84	0.00	0.05	1.47	0.22	4.84	13.66								
6130	3.54	3.00	0.00	0.10	2.37	0.36	4.33	13.70								
6135	3.40	2.68	0.00	0.10	1.79	0.27	4.07	12.31								
6140	5.70	4.22	0.00	0.10	2.37	0.36	6.70	19.45								
6150	0.49	0.37	0.00	0.05	0.30	0.04	0.58	1.83								
6160	0.90	0.51	0.00	0.12	0.00	0.00	0.98	2.51								
6165	1.14	0.65	0.00	0.12	0.00	0.00	1.25	3.16								
6170	1.17	0.67	0.00	0.12	0.00	0.00	1.29	3.25								
6175	1.76	1.00	0.00	0.12	0.00	0.00	1.92	4.80								
6180	2.69	1.53	0.00	0.12	0.00	0.00	2.95	7.29								
6185	4.05	2.30	0.00	0.12	0.00	0.00	4.44	10.91								
6190	2.66	1.51	0.00	0.13	0.00	0.00	2.91	7.21								
6195	3.10	1.76	0.00	0.12	0.00	0.00	3.40	8.38								
6200	4.77	2.71	0.00	0.12	0.00	0.00	5.22	12.82								
6210	0.40	0.22	0.00	0.13	0.00	0.00	0.43	1.18								
6215	0.80	0.45	0.00	0.13	0.00	0.00	0.88	2.26								
6225	11.31	6.42	7.90	1.90	0.00	0.00	12.39	39.92								
6230	17.16	9.74	11.66	2.80	0.00	0.00	18.80	60.16								
6235	18.06	10.25	11.66	2.80	0.00	0.00	19.78	62.55								
6245	18.84	10.70	12.41	2.98	0.00	0.00	20.64	65.57								
6255	1.82	1.03	1.47	0.35	0.00	0.00	1.99	6.66								
6260	2.20	1.25	1.47	0.35	0.00	0.00	2.41	7.68								
6265	3.03	1.72	3.20	0.77	0.00	0.00	3.32	12.04								
6270	3.26	1.85	3.20	0.77	0.00	0.00	3.56	12.64								
6275	3.52	2.00	3.20	0.77	0.00	0.00	3.85	13.34								
6280	3.85	2.18	3.20	0.77	0.00	0.00	4.21	14.21								
6290	3.90	2.21	8.26	1.98	0.00	0.00	4.27	20.62								
6295	4.18	2.37	3.20	0.77	0.00	0.00	4.57	15.09								
6300	4.13	2.35	8.26	1.98	0.00	0.00	4.53	21.25								
6305	4.41	2.50	3.20	0.77	0.00	0.00	4.83	15.71								
6310	1.84	1.04	4.17	1.00	0.00	0.00	2.01	10.06								
6315	2.60	1.48	8.26	1.98	0.00	0.00	2.85	17.17								
6320	2.88	1.64	2.86	0.69	0.00	0.00	3.16	11.23								
6325	3.16	1.79	8.26	1.98	0.00	0.00	3.46	18.65								
6330	3.43	1.95	2.86	0.69	0.00	0.00	3.76	12.69								
6335	3.43	1.94	8.26	1.98	0.00	0.00	3.75	19.36								
6340	3.70	2.10	2.86	0.69	0.00	0.00	4.06	13.41								
6350	1.19	0.55	1.92	0.46	0.00	0.00	1.62	5.74								

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
6355	1.45	0.67	1.92	0.46	0.00	0.00	1.99	6.49								
6360	2.95	1.37	2.26	0.54	0.00	0.00	4.04	11.16								
6365	3.20	1.49	2.26	0.54	0.00	0.00	4.38	11.87								
6370	4.55	2.11	4.98	1.20	0.00	0.00	6.24	19.08								
6375	4.77	2.21	4.98	1.20	0.00	0.00	6.54	19.70								
6385	3.19	1.48	2.57	0.62	0.00	0.00	4.37	12.23								
6390	3.47	1.61	2.57	0.62	0.00	0.00	4.75	13.02								
6395	5.58	2.59	4.04	0.97	0.00	0.00	7.64	20.82								
6400	6.09	2.83	4.04	0.97	0.00	0.00	8.34	22.27								
6410	2.88	1.34	1.89	0.45	0.00	0.00	3.95	10.51								
6415	3.44	1.59	2.05	0.49	0.00	0.00	4.71	12.28								
6425	1.71	0.79	1.57	0.38	0.00	0.00	2.34	6.79								
6430	1.55	0.72	1.57	0.38	0.00	0.00	2.12	6.34								
6440	6.92	3.21	3.94	0.94	0.00	0.00	9.47	24.48								
6445	5.28	2.45	2.62	0.63	0.00	0.00	7.22	18.20								
6455	2.14	0.99	1.39	0.45	0.00	0.00	2.92	8.39								
6460	4.25	1.97	3.15	0.76	0.00	0.00	5.82	15.95								
6465	5.75	2.67	4.72	1.13	0.00	0.00	7.87	22.14								
6475	5.18	2.43	3.83	0.92	0.15	0.02	7.11	19.64								
6480	5.57	2.72	3.83	0.92	0.62	0.09	7.73	21.48								
6485	6.53	3.06	3.83	0.92	0.13	0.02	8.96	23.45								
6490	7.69	3.65	6.56	1.57	0.40	0.06	10.58	30.51								
6495	6.05	2.91	6.56	1.57	0.46	0.07	8.36	25.98								
6500	6.42	3.08	6.56	1.57	0.46	0.07	8.86	27.02								
6505	7.39	3.53	6.56	1.57	0.46	0.07	10.18	29.76								
6510	6.76	3.24	6.56	1.57	0.46	0.07	9.32	27.98								
6515	8.48	4.03	6.56	1.57	0.46	0.07	11.68	32.85								
6525	7.41	3.44	6.56	1.57	0.00	0.00	10.14	29.12								
6530	6.37	3.04	4.46	1.07	0.40	0.06	8.78	24.18								
6535	6.72	3.22	6.30	1.51	0.46	0.07	9.27	27.55								
6540	7.56	3.61	6.30	1.51	0.46	0.07	10.42	29.93								
6550	7.60	3.63	6.03	1.45	0.46	0.07	10.48	29.72								
6555	11.98	5.72	11.02	2.64	0.75	0.11	16.51	48.73								
6565	5.09	2.38	3.67	0.88	0.08	0.01	6.98	19.09								
6570	5.04	2.37	3.67	0.88	0.16	0.02	6.92	19.06								
6575	6.65	3.11	4.20	1.01	0.13	0.02	9.12	24.24								
6580	5.77	2.71	4.20	1.01	0.16	0.02	7.93	21.80								
6585	5.20	2.55	3.67	0.88	0.62	0.09	7.22	20.23								
6590	6.37	3.06	4.62	1.11	0.46	0.07	8.80	24.49								
6595	7.42	3.53	4.62	1.11	0.40	0.06	10.22	27.36								
6600	6.96	3.33	4.62	1.11	0.46	0.07	9.59	26.14								
6605	8.24	3.91	6.24	1.50	0.42	0.06	11.35	31.72								
6610	6.94	3.32	6.56	1.57	0.46	0.07	9.57	28.49								
6615	9.15	4.33	6.24	1.50	0.37	0.06	12.58	34.23								
6620	7.93	3.76	6.24	1.50	0.37	0.06	10.91	30.77								
6625	7.44	3.60	6.56	1.57	0.70	0.11	10.29	30.27								
6635	4.88	2.40	3.57	0.86	0.62	0.09	6.77	19.19								
6640	4.45	2.10	3.57	0.86	0.15	0.02	6.12	17.27								
6645	5.43	2.55	4.20	1.01	0.15	0.02	7.45	20.81								
6650	5.74	2.80	3.94	0.94	0.62	0.09	7.96	22.09								
6655	5.98	2.81	4.20	1.01	0.15	0.02	8.21	22.38								
6660	7.67	3.66	5.77	1.39	0.46	0.07	10.57	29.59								
6665	6.34	3.04	5.61	1.35	0.46	0.07	8.75	25.62								
6670	6.87	3.29	5.61	1.35	0.46	0.07	9.48	27.13								
6675	8.83	4.20	5.77	1.39	0.46	0.07	12.16	32.88								

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	0.93	0.43	0.84	0.20	0.00	0.00	1.27	3.67								
6690	2.71	1.26	1.78	0.43	0.00	0.00	3.71	9.89								
6695	6.08	2.82	3.73	0.89	0.00	0.00	8.32	21.84								
6700	7.78	3.61	6.56	1.57	0.00	0.00	10.66	30.18								
6705	9.32	4.56	8.13	1.95	0.00	0.00	13.44	37.90								
6710	11.29	5.24	9.50	2.28	0.00	0.00	15.46	43.77								
6715	12.74	5.91	11.81	2.83	0.00	0.00	17.45	50.74								
6725	0.94	0.43	0.84	0.20	0.00	0.00	1.28	3.69								
6730	2.28	1.06	1.84	0.44	0.00	0.00	3.13	8.75								
6735	5.94	2.75	3.67	0.88	0.00	0.00	8.14	21.39								
6740	7.37	3.65	6.03	1.45	0.00	0.00	10.77	29.77								
6745	9.46	4.39	6.24	1.50	0.00	0.00	12.96	34.55								
6755	0.94	0.43	0.73	0.18	0.00	0.00	1.28	3.56								
6760	4.76	2.21	2.73	0.65	0.00	0.00	6.51	16.86								
6765	7.18	3.33	4.20	1.01	0.00	0.00	9.83	25.55								
6770	9.69	4.50	8.19	1.96	0.00	0.00	13.27	37.61								
6775	14.50	6.73	13.75	3.30	0.00	0.00	19.86	58.14								
6785	8.71	5.08	5.79	1.97	2.72	0.41	7.73	32.41	10.89	5.20	7.57	2.57	4.52	0.68	10.31	41.74
6790	18.50	9.97	11.43	3.09	7.14	1.07	12.31	63.51	23.13	10.23	15.03	4.06	11.86	1.78	16.66	82.75
6795	19.37	11.46	12.74	3.06	7.14	1.07	14.94	69.78	24.21	11.72	16.66	4.00	11.86	1.78	20.11	90.34
6800	22.11	11.64	16.48	4.12	8.61	1.29	15.87	80.12	27.63	11.94	21.38	5.35	14.95	2.24	21.36	104.85
6805	23.58	12.36	16.48	4.12	8.61	1.29	16.91	83.35	29.47	12.67	21.38	5.35	14.95	2.24	22.76	108.82
6810	28.75	15.30	15.59	4.21	9.65	1.45	19.08	94.03	35.93	15.69	20.49	5.53	16.04	2.41	25.84	121.93
6815	30.90	18.03	17.37	4.17	9.65	1.45	23.76	105.33	38.62	18.44	22.72	5.45	16.04	2.41	31.99	135.67
6820	35.89	18.79	25.64	6.41	12.81	1.92	25.73	127.19	44.87	19.26	33.26	8.32	22.24	3.34	34.64	165.93
6825	37.56	19.60	25.64	6.41	12.81	1.92	26.92	130.86	46.95	20.10	33.26	8.32	22.24	3.34	36.23	170.44
6830	40.89	21.58	25.64	6.41	16.36	2.45	29.36	142.69	51.12	22.13	33.26	8.32	28.42	4.26	39.52	187.03
6835	36.74	19.66	19.06	5.15	13.10	1.96	24.40	120.07	45.92	20.15	25.05	6.76	21.75	3.26	33.05	155.94
6840	46.09	24.21	34.80	8.70	17.37	2.61	33.06	166.84	57.61	24.83	45.14	11.29	30.17	4.53	44.51	218.08
6855	12.20	7.18	8.84	2.12	4.18	0.63	9.40	44.55	15.25	7.34	11.56	2.77	6.95	1.04	12.66	57.57
6860	17.54	9.36	11.26	3.04	6.02	0.90	11.65	59.77	21.93	9.59	14.80	4.00	10.01	1.50	15.77	77.60
6865	17.35	10.91	12.55	3.01	8.95	1.34	13.87	68.48	22.31	11.16	16.41	3.94	14.86	2.23	18.68	89.59
6870	21.05	11.13	18.17	4.54	8.61	1.29	15.12	79.91	26.32	11.41	23.57	5.89	14.95	2.24	20.35	104.73
6875	25.61	13.30	18.17	4.54	8.06	1.21	18.34	89.23	32.01	13.63	23.57	5.89	14.00	2.10	24.68	115.88
6885	8.88	5.12	4.83	1.64	2.37	0.35	7.86	31.05	11.10	5.24	6.31	2.15	3.93	0.59	10.48	39.80
6890	18.57	9.92	11.30	3.05	6.49	0.97	12.33	62.63	23.21	10.17	14.85	4.01	10.78	1.62	16.69	81.33
6895	22.11	11.64	18.72	4.68	8.61	1.29	15.87	82.92	27.64	11.94	24.28	6.07	14.95	2.24	21.36	108.48
6900	19.55	11.46	12.59	3.02	6.49	0.97	15.05	69.13	24.44	11.73	16.46	3.95	10.78	1.62	20.26	89.24
6910	9.44	5.42	6.76	2.30	2.37	0.35	8.35	34.99	11.80	5.55	8.84	3.00	3.93	0.59	11.13	44.84
6915	12.58	7.38	9.65	2.32	4.18	0.63	9.68	46.42	15.72	7.55	12.62	3.03	6.95	1.04	13.03	59.94
6925	18.71	11.01	11.97	2.87	6.49	0.97	14.42	66.44	23.39	11.27	15.65	3.76	10.78	1.62	19.41	85.88
6930	30.73	16.46	16.46	4.44	11.12	1.67	20.42	101.30	38.41	16.88	21.63	5.84	18.48	2.77	27.65	131.66
6935	20.11	10.56	10.55	2.64	7.51	1.13	14.43	66.93	25.14	10.83	13.69	3.42	13.04	1.96	19.42	87.50
6940	25.70	13.95	19.05	4.76	9.27	1.39	19.14	94.26	33.37	14.30	24.71	6.18	16.11	2.42	25.76	122.85
6945	35.30	18.46	22.67	5.67	12.44	1.87	25.30	121.71	44.12	18.93	29.41	7.35	21.61	3.24	34.06	158.72
6950	40.24	21.10	26.26	6.57	14.76	2.21	28.86	140.00	50.30	21.64	34.07	8.52	25.63	3.84	38.85	182.85
6965	4.58	2.94	0.00	0.13	1.49	0.22	3.56	12.92	5.50	2.99	0.00	0.13	1.94	0.29	4.58	15.43
6970	5.79	3.89	0.00	0.13	2.67	0.40	4.54	17.42	6.95	3.95	0.00	0.13	3.49	0.52	5.83	20.87
6980	2.25	1.50	0.00	0.08	0.97	0.15	1.76	6.71	2.70	1.53	0.00	0.08	1.27	0.19	2.26	8.03
6990	7.08	3.30	5.87	1.41	0.77	0.12	6.20	25.35	8.85	3.99	7.67	1.84	1.32	0.20	8.79	32.66
6995	11.09	6.15	11.74	2.82	1.57	0.24	9.72	43.32	13.85	6.29	15.35	3.68	2.68	0.40	13.77	56.02
7005	10.21	5.56	12.28	2.95	0.43	0.07	8.92	40.42	12.76	5.69	16.06	3.85	0.71	0.11	12.64	51.82
7015	2.73	1.65	2.64	0.84	0.00	0.00	3.88	11.74	3.41	1.68	3.47	1.11	0.00	0.00	5.29	14.96
7020	0.53	0.32	0.00	0.08	0.00	0.00	0.57	1.56	0.74	0.33	0.00	0.08	0.00	0.00	0.80	1.95
7025	3.73	2.25	3.25	1.04	0.00	0.00	5.30	15.57	4.66	2.30	4.28	1.37	0.00	0.00	7.23	19.84

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
7030	0.71	0.39	0.00	0.08	0.00	0.00	0.69	1.87	0.89	0.40	0.00	0.08	0.00	0.00	0.96	2.33
7035	0.55	0.30	0.00	0.08	0.00	0.00	0.53	1.46	0.69	0.31	0.00	0.08	0.00	0.00	0.75	1.83
7040	5.62	3.39	4.26	1.36	0.00	0.00	7.99	22.62	7.02	3.46	5.61	1.80	0.00	0.00	10.90	28.79
7045	0.95	0.52	0.00	0.08	0.00	0.00	0.91	2.46	1.18	0.53	0.00	0.08	0.00	0.00	1.28	3.07
7050	0.73	0.40	0.00	0.08	0.00	0.00	0.70	1.91	0.91	0.41	0.00	0.08	0.00	0.00	0.99	2.39
7055	7.54	4.61	5.68	1.82	0.00	0.00	10.87	30.62	9.54	4.70	7.48	2.40	0.00	0.00	14.82	38.94
7060	0.96	0.52	0.00	0.08	0.00	0.00	0.92	2.48	1.20	0.53	0.00	0.08	0.00	0.00	1.30	3.11
7065	1.08	0.59	0.00	0.08	0.00	0.00	1.04	2.79	1.35	0.60	0.00	0.08	0.00	0.00	1.47	3.50
7070	11.13	6.72	8.12	2.60	0.00	0.00	15.83	44.40	13.91	6.85	10.69	3.42	0.00	0.00	21.59	56.46
7075	1.54	0.84	0.00	0.08	0.00	0.00	1.48	3.94	1.93	0.86	0.00	0.08	0.00	0.00	2.09	4.96
7080	1.59	0.92	0.00	0.08	0.00	0.00	1.63	4.32	2.11	0.94	0.00	0.08	0.00	0.00	2.29	5.42
7085	1.34	0.73	0.00	0.08	0.00	0.00	1.30	3.45	1.68	0.75	0.00	0.08	0.00	0.00	1.82	4.33
7090	18.75	10.19	13.60	3.40	0.00	0.00	20.33	66.27	23.43	10.43	17.91	4.48	0.00	0.00	28.24	84.49
7095	2.25	1.22	0.00	0.08	0.00	0.00	2.17	5.72	2.81	1.25	0.00	0.08	0.00	0.00	3.05	7.19
7100	2.48	1.35	0.00	0.08	0.00	0.00	2.39	6.30	3.10	1.38	0.00	0.08	0.00	0.00	3.36	7.92
7105	2.25	1.23	0.00	0.08	0.00	0.00	2.17	5.73	2.82	1.25	0.00	0.08	0.00	0.00	3.06	7.21
7110	0.07	0.04	0.00	0.05	0.00	0.00	0.06	0.22	0.08	0.04	0.00	0.05	0.00	0.00	0.09	0.26
7115	22.28	12.92	18.67	4.11	0.00	0.00	22.62	80.60	26.74	13.15	24.59	5.41	0.00	0.00	30.16	100.05
7120	3.11	1.69	0.00	0.08	0.00	0.00	2.99	7.87	3.88	1.73	0.00	0.08	0.00	0.00	4.21	9.90
7125	3.28	1.78	0.00	0.08	0.00	0.00	3.16	8.30	4.10	1.83	0.00	0.08	0.00	0.00	4.45	10.46
7130	2.74	1.49	0.00	0.08	0.00	0.00	2.64	6.95	3.42	1.52	0.00	0.08	0.00	0.00	3.71	8.73
7135	0.81	0.44	0.00	0.12	0.00	0.00	0.78	2.15	1.01	0.45	0.00	0.12	0.00	0.00	1.10	2.68
7140	0.09	0.05	0.00	0.08	0.00	0.00	0.08	0.30	0.11	0.05	0.00	0.08	0.00	0.00	0.12	0.36
7145	37.38	21.68	28.41	6.25	0.00	0.00	37.94	131.66	44.86	22.05	37.42	8.23	0.00	0.00	50.59	163.15
7150	4.73	2.57	0.00	0.08	0.00	0.00	4.56	11.94	5.91	2.63	0.00	0.08	0.00	0.00	6.41	15.03
7155	5.20	2.82	0.00	0.08	0.00	0.00	5.01	13.11	6.49	2.89	0.00	0.08	0.00	0.00	7.04	16.50
7160	0.10	0.06	0.00	0.08	0.00	0.00	0.10	0.34	0.13	0.06	0.00	0.08	0.00	0.00	0.14	0.41
7165	3.50	1.90	0.00	0.08	0.00	0.00	3.37	8.85	4.37	1.94	0.00	0.08	0.00	0.00	4.74	11.13
7175	4.18	2.52	3.57	1.14	0.00	0.00	5.95	17.36	5.23	2.58	4.70	1.51	0.00	0.00	8.11	22.13
7180	0.68	0.37	0.00	0.08	0.00	0.00	0.66	1.79	0.86	0.38	0.00	0.08	0.00	0.00	0.93	2.25
7185	0.68	0.37	0.00	0.05	0.00	0.00	0.66	1.76	0.85	0.38	0.00	0.05	0.00	0.00	0.93	2.21
7190	5.79	3.49	4.95	1.58	0.00	0.00	8.24	24.05	7.24	3.57	6.52	2.09	0.00	0.00	11.23	30.65
7195	0.76	0.41	0.00	0.08	0.00	0.00	0.73	1.98	0.95	0.42	0.00	0.08	0.00	0.00	1.03	2.48
7200	0.93	0.51	0.00	0.05	0.00	0.00	0.90	2.39	1.17	0.52	0.00	0.05	0.00	0.00	1.26	3.00
7205	7.51	4.53	6.09	1.95	0.00	0.00	10.69	30.77	9.39	4.63	8.02	2.57	0.00	0.00	14.58	39.19
7210	1.17	0.63	0.00	0.08	0.00	0.00	1.13	3.01	1.46	0.65	0.00	0.08	0.00	0.00	1.58	3.77
7215	1.17	0.63	0.00	0.05	0.00	0.00	1.12	2.97	1.46	0.65	0.00	0.05	0.00	0.00	1.58	3.74
7220	11.31	6.82	9.05	2.90	0.00	0.00	16.09	46.17	14.13	6.96	11.92	3.81	0.00	0.00	21.94	58.76
7225	1.24	0.68	0.00	0.08	0.00	0.00	1.20	3.20	1.55	0.69	0.00	0.08	0.00	0.00	1.68	4.00
7230	1.30	0.71	0.00	0.08	0.00	0.00	1.26	3.35	1.63	0.73	0.00	0.08	0.00	0.00	1.77	4.21
7235	1.77	0.96	0.00	0.05	0.00	0.00	1.71	4.49	2.21	0.98	0.00	0.05	0.00	0.00	2.40	5.64
7240	19.41	10.55	12.18	3.04	0.00	0.00	21.05	66.23	24.26	10.79	16.04	4.01	0.00	0.00	29.23	84.33
7245	2.47	1.34	0.00	0.05	0.00	0.00	2.38	6.24	3.08	1.37	0.00	0.05	0.00	0.00	3.34	7.84
7250	2.50	1.36	0.00	0.05	0.00	0.00	2.41	6.32	3.13	1.39	0.00	0.05	0.00	0.00	3.39	7.96
7255	22.83	12.42	17.25	4.31	0.00	0.00	24.76	81.57	28.54	12.70	22.72	5.68	0.00	0.00	34.39	104.03
7260	3.71	2.02	0.00	0.05	0.00	0.00	3.58	9.36	4.64	2.06	0.00	0.05	0.00	0.00	5.03	11.78
7265	3.80	2.07	0.00	0.05	0.00	0.00	3.67	9.59	4.75	2.11	0.00	0.05	0.00	0.00	5.15	12.06
7270	2.38	1.30	0.00	0.08	0.00	0.00	2.30	6.06	2.98	1.33	0.00	0.08	0.00	0.00	3.23	7.62
7275	24.74	14.35	18.47	4.06	0.00	0.00	25.11	86.73	29.68	14.59	24.32	5.35	0.00	0.00	33.48	107.42
7280	4.29	2.33	0.00	0.05	0.00	0.00	4.14	10.81	5.36	2.39	0.00	0.05	0.00	0.00	5.82	13.62
7285	4.91	2.67	0.00	0.05	0.00	0.00	4.74	12.37	6.14	2.73	0.00	0.05	0.00	0.00	6.66	15.58
7290	2.73	1.49	0.00	0.08	0.00	0.00	2.64	6.94	3.42	1.52	0.00	0.08	0.00	0.00	3.71	8.73
7300	3.44	2.07	2.64	0.84	0.00	0.00	4.89	13.88	4.30	2.12	3.47	1.11	0.00	0.00	6.67	17.67
7305	4.31	2.60	3.17	1.01	0.00	0.00	6.13	17.22	5.39	2.65	4.17	1.33	0.00	0.00	8.36	21.90
7310	6.31	3.81	4.46	1.43	0.00	0.00	8.98	24.99	7.88	3.89	5.88	1.88	0.00	0.00	12.24	31.77

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	8.32	5.02	5.68	1.82	0.00	0.00	11.84	32.68	10.40	5.12	7.48	2.40	0.00	0.00	16.14	41.54
7320	0.95	0.52	0.00	0.05	0.00	0.00	0.92	2.44	1.19	0.53	0.00	0.05	0.00	0.00	1.29	3.06
7325	1.07	0.58	0.00	0.05	0.00	0.00	1.03	2.73	1.34	0.60	0.00	0.05	0.00	0.00	1.45	3.44
7330	12.70	7.66	8.52	2.73	0.00	0.00	18.07	49.68	15.87	7.82	11.23	3.59	0.00	0.00	24.64	63.15
7335	1.69	0.92	0.00	0.05	0.00	0.00	1.63	4.29	2.11	0.94	0.00	0.05	0.00	0.00	2.29	5.39
7340	1.14	0.62	0.00	0.05	0.00	0.00	1.09	2.90	1.42	0.63	0.00	0.05	0.00	0.00	1.54	3.64
7345	18.00	9.79	12.58	3.15	0.00	0.00	19.52	63.04	22.50	10.01	16.57	4.14	0.00	0.00	27.11	80.33
7350	2.07	1.13	0.00	0.05	0.00	0.00	2.00	5.25	2.59	1.15	0.00	0.05	0.00	0.00	2.81	6.60
7355	1.71	0.93	0.00	0.05	0.00	0.00	1.65	4.34	2.14	0.95	0.00	0.05	0.00	0.00	2.32	5.46
7360	0.72	0.39	0.00	0.08	0.00	0.00	0.69	1.88	0.90	0.40	0.00	0.08	0.00	0.00	0.98	2.36
7365	0.42	0.23	0.00	0.13	0.00	0.00	0.40	1.18	0.52	0.23	0.00	0.13	0.00	0.00	0.57	1.45
7370	0.06	0.03	0.00	0.08	0.00	0.00	0.06	0.23	0.08	0.04	0.00	0.08	0.00	0.00	0.09	0.29
7380	2.32	1.40	1.70	0.55	0.00	0.00	3.30	9.27	2.90	1.43	2.25	0.72	0.00	0.00	4.50	11.80
7385	3.37	2.03	2.64	0.84	0.00	0.00	4.79	13.67	4.21	2.07	3.47	1.11	0.00	0.00	6.54	17.40
7390	4.04	2.44	2.92	0.94	0.00	0.00	5.75	16.09	5.05	2.49	3.85	1.23	0.00	0.00	7.84	20.46
7400	2.82	1.70	2.56	0.82	0.00	0.00	4.01	11.91	3.52	1.73	3.37	1.08	0.00	0.00	5.47	15.17
7405	0.49	0.27	0.00	0.05	0.00	0.00	0.47	1.28	0.61	0.27	0.00	0.05	0.00	0.00	0.66	1.59
7410	4.23	2.55	3.65	1.17	0.00	0.00	6.02	17.62	5.29	2.60	4.81	1.54	0.00	0.00	8.21	22.45
7415	0.35	0.19	0.00	0.05	0.00	0.00	0.34	0.93	0.44	0.19	0.00	0.05	0.00	0.00	0.47	1.15
7420	6.20	3.74	4.79	1.53	0.00	0.00	8.82	25.08	7.75	3.82	6.31	2.02	0.00	0.00	12.03	31.93
7425	0.58	0.32	0.00	0.05	0.00	0.00	0.56	1.51	0.73	0.32	0.00	0.05	0.00	0.00	0.79	1.89
7430	8.74	5.28	6.29	2.01	0.00	0.00	12.44	34.76	10.93	5.39	8.29	2.65	0.00	0.00	16.97	44.23
7435	0.76	0.41	0.00	0.05	0.00	0.00	0.73	1.95	0.95	0.42	0.00	0.05	0.00	0.00	1.03	2.45
7440	11.01	6.64	8.93	2.86	0.00	0.00	15.67	45.11	13.76	6.78	11.76	3.76	0.00	0.00	21.36	57.42
7445	1.19	0.65	0.00	0.05	0.00	0.00	1.14	3.03	1.48	0.66	0.00	0.05	0.00	0.00	1.61	3.80
7450	1.27	0.69	0.00	0.05	0.00	0.00	1.22	3.23	1.58	0.70	0.00	0.05	0.00	0.00	1.72	4.05
7455	17.01	9.25	12.99	3.25	0.00	0.00	18.45	60.95	21.26	9.46	17.11	4.28	0.00	0.00	25.62	77.73
7460	1.63	0.89	0.00	0.05	0.00	0.00	1.57	4.14	2.04	0.91	0.00	0.05	0.00	0.00	2.21	5.21
7465	1.72	0.94	0.00	0.05	0.00	0.00	1.66	4.37	2.15	0.96	0.00	0.05	0.00	0.00	2.33	5.49
7470	22.89	12.45	16.64	4.16	0.00	0.00	24.83	80.97	28.61	12.73	21.92	5.48	0.00	0.00	34.48	103.22
7475	2.21	1.20	0.00	0.05	0.00	0.00	2.13	5.59	2.77	1.23	0.00	0.05	0.00	0.00	3.00	7.05
7480	2.02	1.10	0.00	0.05	0.00	0.00	1.94	5.11	2.52	1.12	0.00	0.05	0.00	0.00	2.73	6.42
7485	36.10	20.94	25.17	5.54	0.00	0.00	36.64	124.39	43.32	21.30	33.15	7.29	0.00	0.00	48.86	153.92
7490	5.35	2.91	0.00	0.05	0.00	0.00	5.16	13.47	6.69	2.98	0.00	0.05	0.00	0.00	7.26	16.98
7495	5.03	2.74	0.00	0.05	0.00	0.00	4.85	12.67	6.29	2.80	0.00	0.05	0.00	0.00	6.82	15.96
7500	4.71	2.56	0.00	0.05	0.00	0.00	4.54	11.86	5.89	2.62	0.00	0.05	0.00	0.00	6.39	14.95
7510	12.72	7.67	8.32	2.66	0.00	0.00	18.09	49.46	15.89	7.83	10.96	3.51	0.00	0.00	24.67	62.86
7515	1.20	0.65	0.00	0.05	0.00	0.00	1.15	3.05	1.50	0.67	0.00	0.05	0.00	0.00	1.62	3.84
7520	1.34	0.73	0.00	0.05	0.00	0.00	1.29	3.41	1.68	0.75	0.00	0.05	0.00	0.00	1.82	4.30
7525	1.37	0.75	0.00	0.05	0.00	0.00	1.32	3.49	1.72	0.76	0.00	0.05	0.00	0.00	1.86	4.39
7530	16.23	8.82	10.55	2.64	0.00	0.00	17.60	55.84	20.28	9.02	13.90	3.47	0.00	0.00	24.44	71.11
7535	1.69	0.92	0.00	0.05	0.00	0.00	1.63	4.29	2.12	0.94	0.00	0.05	0.00	0.00	2.29	5.40
7540	2.22	1.21	0.00	0.05	0.00	0.00	2.14	5.62	2.77	1.23	0.00	0.05	0.00	0.00	3.01	7.06
7545	1.92	1.04	0.00	0.05	0.00	0.00	1.85	4.86	2.40	1.07	0.00	0.05	0.00	0.00	2.60	6.12
7550	0.56	0.30	0.00	0.12	0.00	0.00	0.54	1.52	0.70	0.31	0.00	0.12	0.00	0.00	0.75	1.88
7555	22.89	12.45	15.02	3.75	0.00	0.00	24.83	78.94	28.62	12.73	19.78	4.95	0.00	0.00	34.48	100.56
7560	2.21	1.20	0.00	0.05	0.00	0.00	2.13	5.59	2.76	1.23	0.00	0.05	0.00	0.00	3.00	7.04
7565	2.42	1.32	0.00	0.05	0.00	0.00	2.34	6.13	3.03	1.35	0.00	0.05	0.00	0.00	3.29	7.72
7570	2.15	1.17	0.00	0.05	0.00	0.00	2.07	5.44	2.68	1.19	0.00	0.05	0.00	0.00	2.91	6.83
7575	0.09	0.05	0.00	0.05	0.00	0.00	0.09	0.28	0.11	0.05	0.00	0.05	0.00	0.00	0.12	0.33
7580	0.51	0.28	0.00	0.11	0.00	0.00	0.50	1.40	0.64	0.29	0.00	0.11	0.00	0.00	0.70	1.74
7590	11.83	6.64	7.90	2.21	2.41	0.36	8.05	39.40	14.79	6.79	10.39	2.91	5.05	0.76	10.90	51.59
7595	16.92	9.81	11.29	3.16	5.62	0.84	11.59	59.23	21.15	10.04	14.85	4.16	11.77	1.76	15.69	79.42
7605	18.55	10.72	11.36	3.18	5.88	0.88	12.70	63.27	23.19	10.97	14.95	4.19	12.32	1.85	17.19	84.66
7610	30.50	18.20	21.52	6.03	9.74	1.46	21.03	108.48	38.13	18.63	28.31	7.93	20.40	3.06	28.48	144.94

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
7620	1.01	0.57	1.62	0.45	0.22	0.03	0.69	4.59	1.26	0.58	2.13	0.60	0.46	0.07	0.93	6.03
7625	1.14	0.64	1.88	0.53	0.22	0.03	0.78	5.22	1.43	0.66	2.47	0.69	0.46	0.07	1.05	6.83
7630	1.28	0.73	2.33	0.65	0.27	0.04	0.87	6.17	1.60	0.75	3.07	0.86	0.54	0.08	1.18	8.08
7640	0.25	0.15	0.69	0.22	0.03	0.01	0.29	1.64	0.31	0.15	0.91	0.29	0.05	0.01	0.40	2.12
7645	1.15	0.65	1.39	0.44	0.06	0.01	1.33	5.03	1.44	0.67	1.81	0.58	0.09	0.01	1.85	6.45
7650	1.32	0.75	2.16	0.69	0.06	0.01	1.53	6.52	1.65	0.76	2.82	0.90	0.09	0.01	2.12	8.35
7655	2.89	1.65	2.41	0.67	0.19	0.03	3.35	11.19	3.61	1.68	3.17	0.89	0.27	0.04	4.65	14.31
7660	6.30	3.57	3.80	1.06	0.32	0.05	7.30	22.40	7.87	3.65	5.00	1.40	0.45	0.07	10.14	28.58
7670	10.45	5.80	3.76	1.05	0.00	0.00	12.06	33.12	13.07	5.93	4.95	1.39	0.00	0.00	16.76	42.10
7675	15.07	8.36	6.58	1.84	0.00	0.00	17.39	49.24	18.83	8.55	8.66	2.43	0.00	0.00	24.15	62.62
7685	11.12	6.17	3.16	0.88	0.00	0.00	12.84	34.17	13.90	6.31	4.16	1.16	0.00	0.00	17.83	43.36
7690	19.46	10.80	6.58	1.84	0.00	0.00	22.46	61.14	24.33	11.04	8.66	2.43	0.00	0.00	31.20	77.66
7705	0.84	0.33	2.76	0.88	0.12	0.02	0.73	5.68	1.00	0.34	3.67	1.18	0.15	0.02	1.01	7.37
7710	1.05	0.41	2.76	0.88	0.14	0.02	0.92	6.18	1.26	0.42	3.67	1.18	0.18	0.03	1.26	8.00
7715	0.87	0.35	2.76	0.88	0.18	0.03	0.77	5.84	1.04	0.36	3.67	1.18	0.22	0.03	1.05	7.55
7720	1.07	0.43	2.76	0.88	0.21	0.03	0.94	6.32	1.28	0.44	3.67	1.18	0.28	0.04	1.29	8.18
7725	0.97	0.40	2.76	0.88	0.29	0.04	0.86	6.20	1.17	0.41	3.67	1.18	0.36	0.05	1.19	8.03
7730	1.33	0.70	6.31	2.02	0.38	0.06	1.01	11.81	1.77	0.73	8.11	2.59	0.48	0.07	1.57	15.32
7735	1.88	0.97	3.69	1.03	0.38	0.06	1.42	9.43	2.51	1.01	4.80	1.34	0.48	0.07	2.22	12.43
7740	1.56	0.82	7.25	2.32	0.38	0.06	1.18	13.57	2.08	0.84	9.32	2.98	0.48	0.07	1.84	17.61
7745	2.15	1.10	3.69	1.03	0.38	0.06	1.62	10.03	2.86	1.14	4.80	1.34	0.48	0.07	2.52	13.21
7750	1.74	0.92	7.25	2.32	0.46	0.07	1.32	14.08	2.32	0.95	9.32	2.98	0.58	0.09	2.06	18.30
7755	2.17	1.17	3.69	1.03	0.79	0.12	1.66	10.63	2.89	1.21	4.80	1.34	1.01	0.15	2.58	13.98
7760	2.64	1.40	13.57	4.34	0.80	0.12	2.01	24.88	3.52	1.45	17.48	5.59	1.04	0.16	3.12	32.36
7765	3.67	1.93	5.98	1.68	0.96	0.14	2.79	17.15	4.90	1.99	7.78	2.18	1.24	0.19	4.34	22.62
7770	3.85	2.02	5.98	1.68	0.98	0.15	2.92	17.58	5.13	2.09	7.78	2.18	1.27	0.19	4.54	23.18
7775	3.62	1.91	5.98	1.68	0.98	0.15	2.75	17.07	4.83	1.97	7.78	2.18	1.27	0.19	4.28	22.50
7780	4.28	2.23	5.98	1.68	0.98	0.15	3.24	18.54	5.71	2.30	7.78	2.18	1.27	0.19	5.04	24.47
7785	5.63	2.93	8.17	2.29	1.30	0.20	4.26	24.78	7.51	3.03	10.63	2.98	1.68	0.25	6.63	32.71
7790	5.96	3.11	8.17	2.29	1.40	0.21	4.52	25.66	7.95	3.21	10.63	2.98	1.80	0.27	7.03	33.87
7795	5.63	2.95	8.17	2.29	1.40	0.21	4.27	24.92	7.51	3.05	10.63	2.98	1.80	0.27	6.65	32.89
7800	5.62	2.90	9.78	2.74	1.17	0.18	4.25	26.64	7.50	3.00	12.72	3.56	1.52	0.23	6.61	35.14
7810	0.96	0.38	2.90	0.93	0.15	0.02	0.84	6.18	1.15	0.39	3.86	1.24	0.18	0.03	1.16	8.01
7815	1.24	0.49	2.81	0.90	0.15	0.02	1.09	6.70	1.49	0.50	3.74	1.20	0.18	0.03	1.49	8.63
7820	1.36	0.53	2.90	0.93	0.16	0.02	1.19	7.09	1.63	0.54	3.86	1.24	0.21	0.03	1.63	9.14
7825	1.27	0.50	2.90	0.93	0.16	0.02	1.12	6.90	1.53	0.51	3.86	1.24	0.20	0.03	1.53	8.90
7830	1.30	0.51	2.90	0.93	0.18	0.03	1.14	6.99	1.56	0.52	3.86	1.24	0.24	0.04	1.56	9.02
7835	1.20	0.49	2.81	0.90	0.29	0.04	1.07	6.80	1.45	0.50	3.74	1.20	0.36	0.05	1.46	8.76
7840	1.20	0.64	6.59	2.11	0.38	0.06	0.92	11.90	1.60	0.67	8.48	2.71	0.48	0.07	1.43	15.44
7845	1.32	0.70	6.59	2.11	0.38	0.06	1.01	12.17	1.76	0.72	8.48	2.71	0.48	0.07	1.57	15.79
7850	1.76	0.91	3.76	1.05	0.38	0.06	1.33	9.25	2.34	0.94	4.89	1.37	0.48	0.07	2.07	12.16
7855	1.39	0.75	7.33	2.35	0.46	0.07	1.06	13.41	1.86	0.77	9.42	3.02	0.58	0.09	1.66	17.40
7860	2.50	1.31	4.22	1.18	0.60	0.09	1.39	11.79	3.33	1.35	5.48	1.54	0.76	0.11	2.95	15.52
7865	2.63	1.43	12.59	4.03	1.04	0.16	2.02	23.90	3.51	1.48	16.23	5.19	1.35	0.20	3.14	31.10
7870	3.03	1.63	7.01	1.96	1.04	0.16	2.31	17.14	4.04	1.68	9.11	2.55	1.35	0.20	3.60	22.53
7875	3.36	1.75	8.04	2.25	0.75	0.11	2.54	18.80	4.48	1.81	10.45	2.93	0.95	0.14	3.96	24.72
7880	3.39	1.80	7.18	2.01	1.04	0.16	2.58	18.16	4.52	1.86	9.34	2.61	1.35	0.20	4.02	23.90
7885	3.92	2.02	5.24	1.47	0.74	0.11	2.96	16.46	5.23	2.09	6.82	1.91	0.93	0.14	4.61	21.73
7890	4.73	2.45	11.46	3.21	1.04	0.16	3.58	26.63	6.31	2.54	14.89	4.17	1.35	0.20	5.57	35.03
7895	5.45	2.83	10.50	2.94	1.25	0.19	4.12	27.28	7.26	2.93	13.65	3.82	1.59	0.24	6.42	35.91
7900	5.41	2.85	10.50	2.94	1.44	0.22	4.11	27.47	7.22	2.94	13.65	3.82	1.85	0.28	6.40	36.16
7910	0.97	0.38	1.70	0.54	0.16	0.02	0.85	4.62	1.17	0.39	2.27	0.73	0.21	0.03	1.17	5.97
7915	1.07	0.56	6.02	1.93	0.27	0.04	0.81	10.70	1.42	0.58	7.74	2.48	0.34	0.05	1.26	13.87
7920	1.11	0.58	6.02	1.93	0.27	0.04	0.84	10.79	1.48	0.60	7.74	2.48	0.34	0.05	1.31	14.00
7925	1.59	0.81	3.76	1.05	0.27	0.04	1.20	8.72	2.11	0.84	4.89	1.37	0.34	0.05	1.86	11.46

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	1.18	0.62	7.74	2.48	0.27	0.04	0.90	13.23	1.58	0.64	9.95	3.18	0.34	0.05	1.39	17.13
7935	1.79	0.93	4.10	1.15	0.38	0.06	1.35	9.76	2.39	0.96	5.34	1.49	0.48	0.07	2.11	12.84
7940	1.37	0.72	7.78	2.49	0.38	0.06	1.04	13.84	1.82	0.75	10.00	3.20	0.48	0.07	1.62	17.94
7945	2.35	1.20	4.79	1.34	0.38	0.06	1.77	11.89	3.13	1.24	6.22	1.74	0.48	0.07	2.75	15.63
7950	3.78	1.99	7.18	2.01	1.04	0.16	2.87	19.03	5.05	2.06	9.34	2.61	1.35	0.20	4.47	25.08
7955	4.60	2.39	7.37	2.20	1.04	0.16	3.48	21.74	6.13	2.47	10.23	2.86	1.35	0.20	5.41	28.65
7960	4.86	2.51	9.92	2.78	1.04	0.16	3.67	24.94	6.48	2.60	12.89	3.61	1.35	0.20	5.71	32.84
7965	4.69	2.43	7.69	2.15	1.04	0.16	3.55	21.71	6.25	2.51	10.00	2.80	1.35	0.20	5.52	28.63
7970	5.06	2.61	9.92	2.78	1.04	0.16	3.82	25.39	6.75	2.70	12.89	3.61	1.35	0.20	5.95	33.45
7980	5.29	3.22	9.92	2.78	1.10	0.17	4.74	28.22	8.39	3.33	12.89	3.61	1.42	0.21	7.38	37.23
7985	6.42	3.28	9.92	2.78	1.10	0.17	4.83	28.50	8.55	3.39	12.89	3.61	1.42	0.21	7.52	37.59
7990	7.11	3.62	9.92	2.78	1.10	0.17	5.35	30.05	9.49	3.74	12.89	3.61	1.42	0.21	8.33	39.69
8000	6.00	3.10	8.55	2.39	1.25	0.19	4.54	26.02	8.00	3.21	11.11	3.11	1.59	0.24	7.06	34.32
8005	6.71	3.42	11.97	3.35	1.10	0.17	5.05	31.77	8.95	3.54	15.56	4.36	1.42	0.21	7.86	41.90
8010	7.27	3.69	11.97	3.35	1.10	0.17	5.47	33.02	9.70	3.82	15.56	4.36	1.42	0.21	8.51	43.58
8015	7.57	3.84	11.97	3.35	1.10	0.17	5.69	33.69	10.10	3.97	15.56	4.36	1.42	0.21	8.86	44.48
8020	10.32	5.17	11.97	3.35	1.10	0.17	7.74	39.82	13.76	5.35	15.56	4.36	1.42	0.21	12.04	52.70
8030	2.32	1.02	0.00	0.10	0.00	0.00	1.90	5.34								
8035	2.82	1.24	0.00	0.10	0.00	0.00	2.30	6.46								
8040	4.37	1.93	0.00	0.10	0.00	0.00	3.57	9.97								
8045	5.46	2.41	0.00	0.10	0.00	0.00	4.46	12.43								
8050	6.22	2.74	0.00	0.10	0.00	0.00	5.08	14.14								
8060	0.59	0.26	0.00	0.09	0.00	0.00	0.48	1.42	0.78	0.27	0.00	0.09	0.00	0.00	0.73	1.87
8065	0.93	0.41	0.00	0.09	0.00	0.00	0.76	2.19	1.24	0.42	0.00	0.09	0.00	0.00	1.15	2.90
8070	0.94	0.41	0.00	0.09	0.00	0.00	0.77	2.21	1.25	0.43	0.00	0.09	0.00	0.00	1.17	2.94
8075	0.95	0.42	0.00	0.09	0.00	0.00	0.78	2.24	1.27	0.43	0.00	0.09	0.00	0.00	1.18	2.97
3085	0.19	0.08	0.00	0.00	0.00	0.00	0.15	0.42								
8090	0.19	0.09	0.00	0.00	0.00	0.00	0.16	0.44								
8095	0.21	0.09	0.00	0.00	0.00	0.00	0.17	0.47								
8100	0.25	0.11	0.00	0.00	0.00	0.00	0.21	0.57								
8105	0.28	0.12	0.00	0.00	0.00	0.00	0.23	0.63								
8110	0.26	0.12	0.00	0.00	0.00	0.00	0.22	0.60								
8115	0.08	0.03	0.00	0.00	0.00	0.00	0.06	0.17								
8125	0.21	0.09	0.00	0.09	0.00	0.00	0.17	0.56								
8130	0.26	0.12	0.00	0.09	0.00	0.00	0.22	0.69								
8135	0.72	0.32	0.00	0.09	0.00	0.00	0.59	1.72								
8140	0.80	0.35	0.00	0.09	0.00	0.00	0.66	1.90								
8150	2.55	1.12	0.00	0.13	0.00	0.00	2.09	5.89								
8155	2.59	1.14	0.00	0.13	0.00	0.00	2.12	5.98								
8160	2.62	1.15	0.00	0.13	0.00	0.00	2.14	6.04								
8165	2.66	1.17	0.00	0.13	0.00	0.00	2.17	6.13								
8175	1.14	0.50	0.00	0.00	0.00	0.00	0.93	2.57								
8180	1.20	0.53	0.00	0.00	0.00	0.00	0.98	2.71								
8185	1.27	0.56	0.00	0.00	0.00	0.00	1.04	2.87								
8195	2.01	1.19	0.00	0.09	0.51	0.08	1.44	5.32	2.51	1.22	0.00	0.09	0.62	0.09	2.10	6.63
8200	2.35	1.38	0.00	0.09	0.51	0.08	1.67	6.08	2.93	1.41	0.00	0.09	0.62	0.09	2.44	7.58
8205	2.32	1.36	0.00	0.09	0.51	0.08	1.65	6.01	2.90	1.39	0.00	0.09	0.62	0.09	2.41	7.50
8210	2.93	1.72	0.00	0.09	0.67	0.10	2.09	7.60	3.66	1.76	0.00	0.09	0.80	0.12	3.05	9.48
8215	3.09	1.80	0.00	0.09	0.66	0.10	2.20	7.94	3.86	1.85	0.00	0.09	0.79	0.12	3.21	9.92
8220	6.16	3.81	0.00	0.09	2.28	0.34	4.45	17.13	7.70	3.90	0.00	0.09	2.74	0.41	6.49	21.33
8225	6.77	4.25	0.00	0.09	2.76	0.41	4.90	19.18	8.46	4.34	0.00	0.09	3.32	0.50	7.15	23.86
8235	2.43	1.42	0.00	0.09	0.51	0.08	1.73	6.26	3.04	1.45	0.00	0.09	0.62	0.09	2.52	7.81
8245	1.15	0.98	0.00	0.09	0.42	0.06	0.89	3.59								
8250	1.32	1.11	0.00	0.09	0.47	0.07	1.01	4.07								
8255	1.62	1.35	0.00	0.09	0.51	0.08	1.23	4.88								

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
8260	1.61	1.37	0.00	0.13	0.62	0.09	1.24	5.06								
8265	1.68	1.45	0.00	0.13	0.70	0.11	1.30	5.37								
8270	1.83	1.58	0.00	0.13	0.77	0.12	1.42	5.85								
8275	1.97	1.74	0.00	0.13	0.95	0.14	1.54	6.47								
8280	2.74	2.31	0.00	0.13	0.95	0.14	2.10	8.37								
8285	2.81	2.36	0.00	0.13	0.95	0.14	2.15	8.54								
8290	3.33	2.77	0.00	0.17	1.03	0.15	2.54	9.99								
8295	3.67	3.05	0.00	0.17	1.16	0.17	2.79	11.01								
8300	4.02	3.35	0.00	0.17	1.27	0.19	3.06	12.06								
8305	4.37	3.80	0.00	0.17	1.91	0.29	3.39	13.93								
8310	0.87	0.80	0.00	0.09	0.51	0.08	0.69	3.04								
8320	0.80	0.75	0.00	0.09	0.51	0.08	0.64	2.87								
8330	1.05	0.93	0.00	0.11	0.51	0.08	0.82	3.50								
8335	1.06	0.93	0.00	0.11	0.51	0.08	0.82	3.51								
8345	0.52	0.48	0.00	0.10	0.31	0.05	0.42	1.88								
8350	0.53	0.50	0.00	0.10	0.34	0.05	0.42	1.94								
8355	0.59	0.56	0.00	0.10	0.43	0.06	0.47	2.21								
8365	1.91	1.27	2.37	0.66	0.19	0.03	1.12	7.55								
8370	1.93	1.33	2.37	0.66	0.37	0.06	1.14	7.86								
8375	2.02	1.39	2.37	0.66	0.37	0.06	1.20	8.07								
8385	18.59	11.38	10.69	3.53	5.58	0.84	12.27	62.88	22.31	11.57	13.81	4.56	9.31	1.40	17.17	80.13
8390	25.76	16.00	15.44	5.10	9.61	1.44	17.04	90.39	30.91	16.27	19.95	6.58	16.03	2.40	23.86	116.00
8395	34.85	22.26	20.67	6.82	12.85	1.93	23.16	122.54	41.82	22.65	26.70	8.81	21.43	3.21	32.43	157.05
8400	16.46	10.16	10.69	3.53	5.58	0.84	10.88	58.14	19.76	10.33	13.81	4.56	9.31	1.40	15.23	74.40
8405	23.92	15.25	15.44	5.10	12.12	1.82	15.89	89.54	28.70	15.51	19.95	6.58	20.21	3.03	22.25	116.23
8415	12.02	7.45	5.58	1.34	3.49	0.52	7.95	38.85	14.42	7.57	7.21	2.38	5.61	0.84	11.13	49.16
8420	14.64	8.98	6.06	2.00	3.66	0.55	9.66	45.55	17.56	9.13	7.83	2.58	5.88	0.88	13.53	57.39
8425	14.66	9.37	6.06	2.00	6.17	0.93	9.74	48.93	17.59	9.53	7.83	2.58	9.92	1.49	13.64	62.58
8430	24.77	15.69	10.69	3.53	9.47	1.42	16.44	82.01	29.72	15.96	13.81	4.56	15.22	2.28	23.02	104.57
8440	12.08	7.43	5.08	1.68	2.82	0.42	7.98	37.49	14.50	7.56	6.57	2.17	4.70	0.70	11.17	47.37
8445	19.52	11.85	10.69	3.53	5.05	0.76	12.87	64.27	23.43	12.05	13.81	4.56	8.42	1.26	18.01	81.54
8450	25.08	15.61	14.45	4.77	9.61	1.44	16.60	87.56	30.10	15.88	18.66	6.16	16.03	2.40	23.24	112.47
8455	32.81	20.86	15.35	5.07	11.53	1.73	21.79	109.14	39.37	21.22	19.83	6.54	19.22	2.88	30.51	139.57
8460	33.47	21.47	17.94	5.92	12.85	1.93	22.27	115.85	40.17	21.84	23.17	7.65	21.43	3.21	31.17	148.64
8470	24.88	15.14	13.78	4.55	7.74	1.16	16.40	83.65	29.86	15.40	17.80	5.87	13.27	1.99	22.97	107.16
8480	10.71	6.56	5.11	1.69	3.27	0.49	7.07	34.90	12.85	6.68	6.60	2.18	5.45	0.82	9.90	44.48
8485	15.48	9.50	7.63	2.52	4.81	0.72	10.22	50.88	18.58	9.66	9.85	3.25	8.03	1.20	14.31	64.88
8490	18.50	11.77	11.71	3.87	9.15	1.37	12.29	68.66	22.20	11.97	15.13	4.99	15.26	2.29	17.21	89.05
8495	25.03	15.89	14.83	4.89	12.12	1.82	16.62	91.20	30.04	16.17	19.15	6.32	20.21	3.03	23.27	118.19
8500	35.04	22.38	19.96	6.59	12.85	1.93	23.29	122.04	42.05	22.76	25.78	8.51	21.43	3.21	32.61	156.35
8510	19.25	11.76	9.98	3.29	5.58	0.84	12.70	63.40	23.10	11.96	12.89	4.25	9.31	1.40	17.78	80.69
8515	26.42	16.38	13.69	4.52	9.61	1.44	17.47	89.53	31.70	16.66	17.68	5.83	16.03	2.40	24.46	114.76
8520	28.18	17.70	15.25	5.03	12.12	1.82	18.68	98.78	33.82	18.01	19.70	6.50	20.21	3.03	26.15	127.42
8525	31.37	19.90	16.13	5.32	10.74	1.61	20.83	105.90	37.64	20.24	20.84	6.88	17.91	2.69	29.16	135.36
8530	34.61	22.13	19.44	6.41	12.85	1.93	23.01	120.38	41.53	22.51	25.10	8.28	21.43	3.21	32.21	154.27
8540	7.35	5.63	5.64	1.58	1.91	0.29	5.61	28.01	8.82	5.70	7.42	2.08	2.57	0.39	7.29	34.27
8545	12.59	9.90	12.41	3.48	4.34	0.65	9.68	53.05	15.11	10.03	16.33	4.57	5.84	0.88	12.58	65.34
8550	17.19	13.63	16.93	4.74	6.45	0.97	13.24	73.15	20.62	13.82	22.27	6.24	8.69	1.30	17.21	90.15
8555	17.68	13.98	16.93	4.74	6.45	0.97	13.61	74.36	21.21	14.18	22.27	6.24	8.69	1.30	17.69	91.58
8560	19.66	15.73	20.69	5.79	7.93	1.19	15.18	86.17	23.59	15.95	27.22	7.62	10.68	1.60	19.74	106.40
8565	20.85	16.56	20.69	5.79	7.93	1.19	16.07	89.08	25.01	16.79	27.22	7.62	10.68	1.60	20.89	109.81
8575	12.47	9.81	12.41	3.48	4.34	0.65	9.58	52.74	14.96	9.94	16.33	4.57	5.84	0.88	12.46	64.98
8580	17.07	13.55	16.93	4.74	6.45	0.97	13.16	72.87	20.48	13.74	22.27	6.24	8.69	1.30	17.10	89.82
8585	17.32	13.72	16.93	4.74	6.45	0.97	13.34	73.47	20.78	13.92	22.27	6.24	8.69	1.30	17.34	90.54
8590	21.07	16.71	20.69	5.79	7.93	1.19	16.23	89.61	25.28	16.95	27.22	7.62	10.68	1.60	21.10	110.45

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
8595	21.42	16.96	20.69	5.79	7.93	1.19	16.50	90.48	25.70	17.20	27.22	7.62	10.68	1.60	21.45	111.47
8605	15.51	9.77	12.41	3.48	5.83	0.87	10.29	58.16	18.62	9.94	16.33	4.57	9.76	1.46	14.40	75.08
8610	23.47	14.96	16.93	4.74	9.25	1.39	15.60	86.34	28.17	15.22	22.27	6.24	15.01	2.25	21.84	111.00
8615	36.41	23.87	24.45	6.85	20.50	3.08	24.31	139.47	43.70	24.28	32.17	9.01	34.47	5.17	34.04	182.84
8625	13.95	8.90	10.42	2.92	5.86	0.88	9.27	52.20	16.74	9.06	13.71	3.84	9.68	1.45	12.98	67.46
8630	25.01	15.18	15.91	4.46	4.00	0.60	16.48	81.64	30.01	15.44	20.94	5.86	6.57	0.99	23.08	102.89
8640	16.33	10.27	12.41	3.48	6.00	0.90	10.82	60.21	19.59	10.45	16.33	4.57	10.02	1.50	15.15	77.61
8645	23.35	14.60	16.93	4.74	8.05	1.21	15.46	84.34	28.02	14.85	22.27	6.24	13.49	2.02	21.65	108.54
8655	4.24	1.46	5.05	1.41	0.04	0.01	5.45	17.66								
8660	6.43	2.22	8.87	2.48	0.04	0.01	8.26	28.31								
8670	0.97	0.62	0.00	0.01	0.00	0.00	0.57	2.17								
8675	1.13	0.72	0.00	0.01	0.00	0.00	0.66	2.52								
8680	1.32	0.84	0.00	0.01	0.00	0.00	0.77	2.94								
8690	1.70	1.13	0.62	0.16	0.17	0.03	1.00	4.81								
8695	1.92	1.27	0.62	0.16	0.17	0.03	1.13	5.30								
8700	2.14	1.41	0.62	0.16	0.17	0.03	1.26	5.79								
8710	0.19	0.09	0.78	0.23	0.00	0.00	0.09	1.38								
8715	0.24	0.12	0.97	0.29	0.00	0.00	0.12	1.74								
8725	0.30	0.12	1.33	0.32	0.03	0.00	0.27	2.37								
8730	0.60	0.23	6.16	1.48	0.02	0.00	0.53	9.02								
8735	0.61	0.24	6.16	1.48	0.02	0.00	0.54	9.05								
8740	0.72	0.28	6.54	1.57	0.02	0.00	0.64	9.77								
8745	0.90	0.35	8.06	1.93	0.04	0.01	0.80	12.09								
8755	0.80	0.31	1.77	0.42	0.02	0.00	0.70	4.02								
8760	0.80	0.31	1.77	0.42	0.02	0.00	0.71	4.03								
8765	1.00	0.39	2.93	0.70	0.04	0.01	0.88	5.95								
8770	0.97	0.38	2.98	0.71	0.04	0.01	0.86	5.95								
8780	0.26	0.13	0.39	0.12	0.00	0.00	0.13	1.03								
8785	0.27	0.13	0.78	0.23	0.00	0.00	0.14	1.55								
8795	0.16	0.08	0.74	0.22	0.00	0.00	0.08	1.28								
8800	0.18	0.09	0.94	0.28	0.00	0.00	0.09	1.58								
8805	0.22	0.11	1.17	0.35	0.00	0.00	0.11	1.96								
8810	0.37	0.18	1.64	0.49	0.00	0.00	0.18	2.86								
8820	0.09	0.04	0.74	0.22	0.00	0.00	0.04	1.13								
8825	0.14	0.07	0.94	0.28	0.00	0.00	0.07	1.50								

APPENDIX A

REFERENCES

1. Haver, J. A. and F. W. Stubbs, Jr., Handbook of Heavy Construction, 2nd ed, McGraw-Hill Company, New York, 1971.

2. Nichols, H. L., Jr., Moving the Earth, 3rd ed, North Castle Books, Greenwich, Connecticut, 1976.

3. Application Manual for Hydraulic Excavators and Shovels, 1st ed, Koehring Company, Milwaukee, Wisconsin, 1981.

4. Bulletin B-502, Goodyear Tire and Rubber Company, Akron, Ohio, January 1984.

5. Caterpillar Performance Handbook, 13th ed, Caterpillar Tractor Company, Peoria, Illinois, 1982.

6. Earthmoving Principles, International Harvester, Pay Line Division, Schaumburg, Illinois, 1975.

7. Euclid Hauler Handbook, 14th ed, Euclid, Inc., Cleveland, Ohio, 1981.

8. "FAR 31.105 Construction and Architect-Engineer Contracts", Federal Acquisition Regulation, Government Printing Office, Washington, D.C., April 1984.

9. "FAR 31.205-10 Cost of Money", Federal Acquisition Regulation, Government Printing Office, Washington, D.C., April 1984.

10. "FAR 31.205-24 Maintenance and Repair Costs", Federal Acquisition Regulation, Government Printing Office, Washington, D.C., April 1984.

11. Fundamentals of Earthmoving, Caterpillar Tractor Company, Peoria, Illinois, 1975.

12. Green Guide for Off-Highway Trucks and Trailers, Dataquest, Inc., Palo Alto, California, 1982, 1983.

13. Green Guide Volume I, Dataquest, Inc., Palo Alto, California, 1982, 1983.

14. Green Guide Volume II, Dataquest, Inc., Palo Alto, California, 1982, 1983.

APPENDIX A

REFERENCES (Cont'd)

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:		4.5 %
Working Hours Per Year:		1,550 Hrs/Yr
Labor Adjustment Factor (LAF):		0.880
Electricity Cost Per Kilowatt-Hour:		$ 0.065 /Kw-Hr
Gasoline Cost Per Gallon:		$ 1.170 /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 30,000 lbs.	$ 5.580 /Cwt.
	over 30,000 thru 40,000 lbs.	$ 4.160 /Cwt.
	over 40,000 thru 50,000 lbs.	$ 3.430 /Cwt.
	over 50,000 thru 80,000 lbs.	$ 3.080 /Cwt.
	over 80,000 thru 9999,900 lbs.	$ 2.820 /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				CARRIER POWER				FOG			TIRES			HPR
					HP	E	G	D	HP	E	G	D	E	G	D	F	D	T	
470	OVER 225 HP	A	12	15	65	.000	.066	.038	0	.000	.000	.000	0	32	30	70	42	0	70
470		S	10	15	85	.000	.086	.050	0	.000	.000	.000	0	32	30	41	22	0	75
475	LOADER, FRONT END WITH	A	10	25	65	.000	.066	.038	0	.000	.000	.000	0	32	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				CARRIER POWER				FOG			TIRES			RPR
					HP	E	G	D	HP	E	G	D	E	G	D	F	D	T	
600	OVER 5 CY	A	14	15	60	.000	.061	.035	0	.000	.000	.000	0	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.