



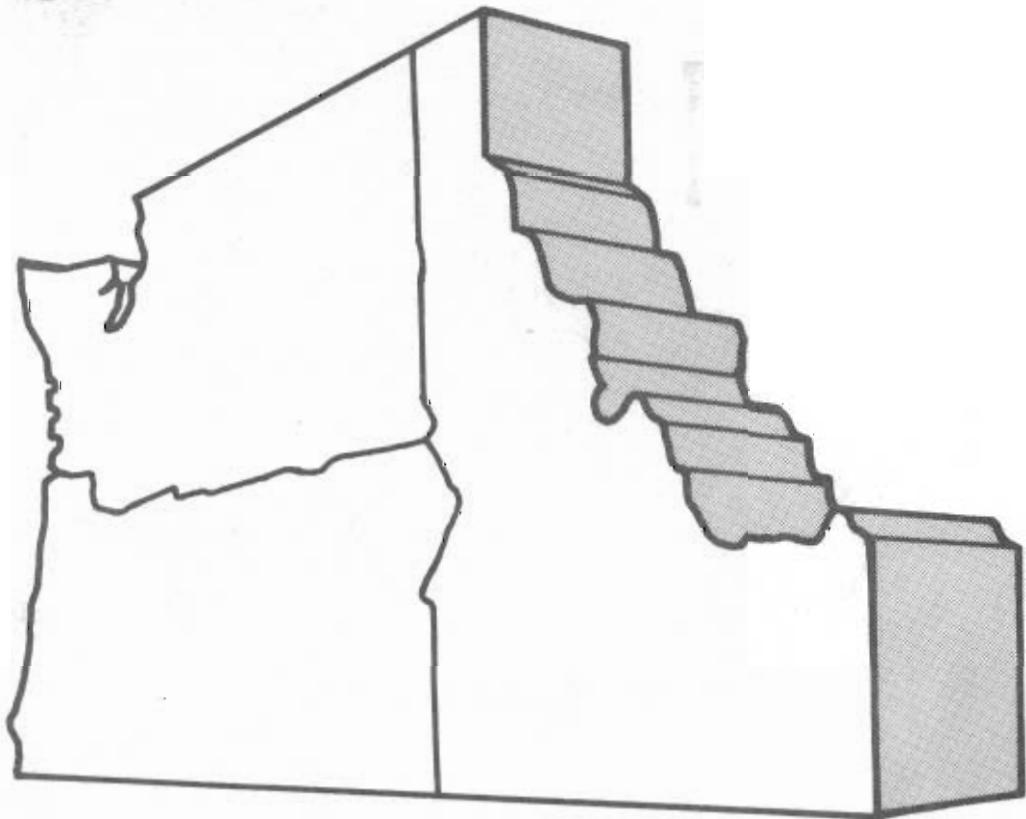
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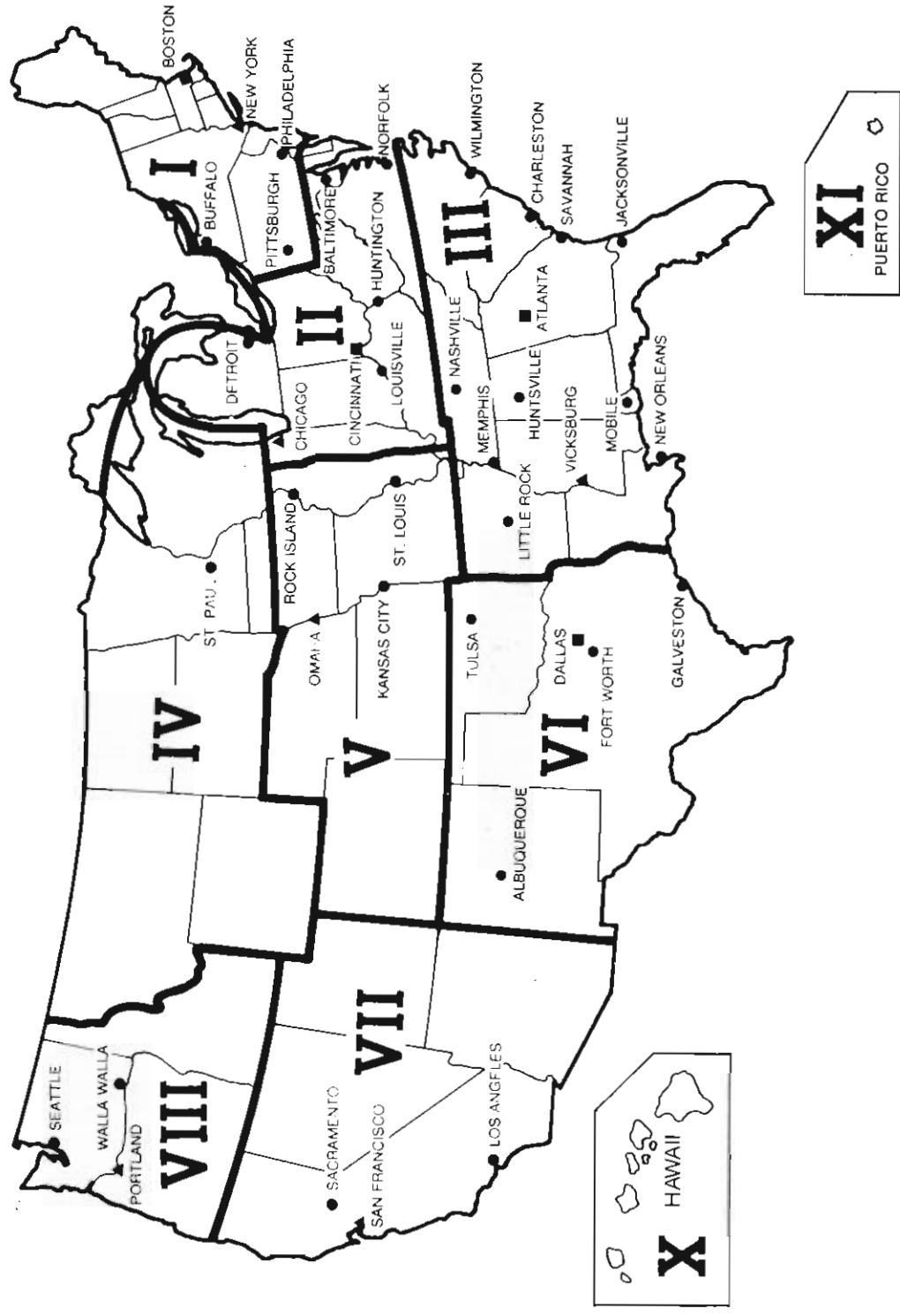
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Volume 8
June 1984

Construction Equipment Ownership and Operating Expense Schedule

Region VIII



Regions for the Construction Equipment Ownership and Operating Expense Schedule



DAEN-ECE-S

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

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Pamphlet
No. 1110-1-8

1 June 1984

Engineering and Design
CONSTRUCTION EQUIPMENT OWNERSHIP
AND OPERATING EXPENSE SCHEDULE

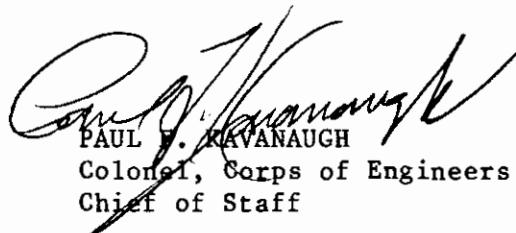
1. Purpose. This pamphlet establishes predetermined equipment ownership and operating expense rates for use in preparation of estimates and in pricing negotiated procurements requiring independent Government estimates.

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

Idaho
Oregon
Washington

3. General. The rates and percentages shown in this pamphlet are based on equipment in sound workable condition owned or controlled and furnished by a contractor or subcontractor. These rates and percentages do not include allowances for operating labor, mobilization or demobilization costs, overhead, or profit, and do not represent rental charges for those in the business of renting equipment. The rates included in this pamphlet are based on construction equipment purchased new on 1 July 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 J. KAVANAUGH
Colonel, Corps of Engineers
Chief of Staff

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

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CHAPTER 1

INTRODUCTION

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

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

Idaho
Oregon
Washington

1-3. References. See APPENDIX A.

1-4. General. The rates and percentages shown in this pamphlet are based on equipment in sound workable condition owned or controlled and furnished by a contractor or subcontractor. These rates and percentages do not include allowances for operating labor, mobilization or demobilization costs, overhead, or profit, and do not represent rental charges for those in the business of renting equipment. The rates included in this pamphlet are based on construction equipment purchased new on 1 July 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.

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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.

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

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

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

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

d. Operating Cost.

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

(2) Fuel Consumption Cost.

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

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

where:

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

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

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

(4) Gasoline wt = 6.1 lbs per gallon

(5) Diesel wt = 7.1 lbs per gallon

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

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

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

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

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

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

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

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

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

CONSTRUCTION EQUIPMENT HOURLY OWNERSHIP AND OPERATING RATE WORK SHEET
 (EP 1110-1-8)

1. REQUIRED DATA

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

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 11,000 lbs
 (9) Tire Size: Front-1400x20 PR Drive-1400x20 PR Trailing-11x14

b. Key Number from APPENDIX D 275

- (1) Condition Average
 (2) Salvage Value % .20 (3) Life 15,000 hrs
 (4) Equipment Fuel Factor .028 (5) Carrier Fuel Factor .712
 (6) FOG Factor: Gas N/A Diesel .26 Electric N/A
 (7) Tire Wear Factor: Front .97 Drive .76 Trailing N/A
 (8) Repairs Cost Factor .60

2. EQUIPMENT COST

a. List Price Year of Manufacture (including extras) =\$341,769.00

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

$$= (\$341,769.00) \times .075 = (-) \$25,630.25$$

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

$$= (11,000 \text{ lbs}) \times (\$8.12) = (+) \$90,120.00$$

b. Subtotal: Summation of Part a. (Use actual cost when available) = \$325,338.00

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

$$= (\$325,338.00) \times (.03) = (+) \$9760.14$$

c. Equipment Cost: Summation of Part b. (Use actual cost when available) = \$335,098.14

Figure 2-1. Example of Equipment Rate Computation

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

3. LIFE (N)

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

$$=(18000 \text{ Hrs}) + (4600 \text{ Hrs/Yr}) = 11.25 \text{ yrs.}$$

4. ECONOMIC ADJUSTMENT FACTOR (EAF)

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

$$=(3349) : (3213) = 1.042 (\text{EAF})$$

5. SALVAGE VALUE FACTOR (S)

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

$$=(.20) \times (1.042) = .208 (\text{S})$$

6. OWNERSHIP COSTS

a. Depreciation:

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

$$= [(\$335,098) \times [1.0 - (.208)] - (\$8436)] + (18000 \text{ Hr}) = \$19.27 / \text{Hr.}$$

b. Cost of Facilities Capital (CFC):

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

$$=[(11.25 \text{ yrs}) - 1.0] \times [(.208) + 1.0] + 2.0] + [(11.25 \text{ yrs}) \times 2.0] = 63.9$$

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

$$=(\$335,098) \times (.119) \times (.119) + (18000 \text{ Hrs/Yr}) = \$13.25 / \text{Hr.}$$

c. Total Hourly Ownership: (Sum 6-a + 6-b-(2)) = \$27.52 / Hr.

Figure 2-1. (Continued)

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

7. OPERATING COSTS

a. Fuel Costs:

(1) Equipment: (Equip Fuel Factor) x (H.P. From) x (Fuel Cost)
 From 1-b-(4) 1-a-(5) Per Gal.
 $= (.038) \times (115 \text{ HP}) \times (\$.99 / \text{Gal}) = \$ 4.33 / \text{Hr.}$

(2) Carrier: (Carrier Fuel Factor) x (H.P. From) x (Fuel Cost)
 From 1-b-(5) 1-a-(6) Per Gal.
 $= (.006) \times (246 \text{ HP}) \times (\$ 1.16 / \text{Gal}) = \$ 1.71 / \text{Hr.}$

(3) Total Fuel Costs: (Sum 7-a-(1), 7-a-(2)) $= \$ 6.04 / \text{Hr.}$

b. FOG Costs:

(1) Equipment: (FOG Factor) x (Hourly Fuel Cost)
 From 1-b-(6) From 7-a-(1)
 $= (.26) \times (\$ 4.33 / \text{Hr}) = \$ 1.13 / \text{Hrs.}$

(2) Carrier: (FOG Factor) x (Hourly Fuel Cost)
 From 1-b-(6) From 7-a-(2)
 $= (.26) \times (\$ 1.71 / \text{Hr}) = \$.44 / \text{Hr.}$

(3) Total FOG Costs: (Sum 7-b-(1), 7-b-(2)) $= \$ 1.57 / \text{Hr.}$

c. Repairs Cost:

(1) Repair Factor:

(Repairs Cost Factor) x (EAF) x (LAF From)
 From 1-b-(8) From 4 APP. B
 $= (.60) \times (.042) \times (.12) = .638$

(2) Hourly Repairs:

Equipment Life
 [(Cost From) - (Tire Cost)] x (Repair Factor) + (From)
 2-c Yr. of Mfg. From 7-c-(1) 1-b-(3)
 $= [(\$ 335,098) - (\$ 8,486)] \times (.638) + (.1800 \text{ Hr}) = \$ 11.58 / \text{Hr.}$

Figure 2-1. (Continued)

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

d. Tire Wear Costs (Current Price Levels):

$$(1) \text{Front Tires: } 1.5 \times (\text{Tires}) + [1.8 \times (\text{Ftr Frm}) \times (\text{Life Frm})] \\ \text{Cost} \quad \text{Front} \quad \text{F-Tire} \quad \text{Max Tire} \\ 1-b-(7) \quad \text{Tbl F-1}$$
$$= 1.5 \times (\underline{\underline{\$2720}}) + [1.8 \times (.97) \times (\underline{\underline{5000}} \text{ Hr})] = \$ \underline{\underline{47}} / \text{Hr.}$$

$$(2) \text{Drive Tires: } 1.5 \times (\text{Tires}) + [1.8 \times (\text{Ftr Frm}) \times (\text{Life Frm})] \\ \text{Cost} \quad \text{Drive} \quad \text{D-Tire} \quad \text{Max Tire} \\ 1-b-(7) \quad \text{Tbl F-1}$$
$$= 1.5 \times (\underline{\underline{\$5440}}) + [1.8 \times (.78) \times (\underline{\underline{5000}} \text{ Hr})] = \$ \underline{\underline{116}} / \text{Hr.}$$

$$(3) \text{Trailing Tires: } 1.5 \times (\text{Tires}) + [1.8 \times (\text{Ftr Frm}) \times (\text{Life Frm})] \\ \text{Cost} \quad \text{Trlg} \quad \text{T-Tire} \quad \text{Max Tire} \\ 1-b-(7) \quad \text{Tbl F-1}$$
$$= 1.5 \times (\underline{\underline{\$ }}) + [1.8 \times (\underline{\underline{\$ }}) \times (\underline{\underline{\$ }} \text{ Hr})] = \$ \underline{\underline{0}} / \text{Hr.}$$

$$(4) \text{Total Tire Wear Cost: (Sum 7-d-(1) thru (3))} \quad = \$ \underline{\underline{1.63}} / \text{Hr.}$$

e. Tire Repair Cost: (Tire Wear) $\times 0.15$
Frm 7-d-(4)

$$= (\underline{\underline{\$1.63}}) \times 0.15 \quad = \$ \underline{\underline{24}} / \text{Hr.}$$

f. Total Operating Costs: (Sum 7-a thru 7-e) $= \$ \underline{\underline{21.06}} / \text{Hr.}$

8. TOTAL HOURLY RATES

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

$$(\text{Ownership Costs Frm 6-c}) + (\text{Operating Costs Frm 7-f})$$
$$= (\underline{\underline{\$27.52}} / \text{Hr}) + (\underline{\underline{\$21.06}} / \text{Hr}) \quad = \$ \underline{\underline{48.58}} / \text{Hr.}$$

b. Hourly Rate for Other Work Shifts:

$$(\text{Depreciation}) + [(\text{CFC Frm}) \times 40 : (\text{Work Hrs})] + (\text{Operating Costs})$$

From 6-a 6-b-(2) Per Week Frm 7-f

$$= (\underline{\underline{\$14.27}} / \text{Hr}) + [(\underline{\underline{\$13.25}} / \text{Hr}) \times 40 : (\underline{\underline{60}} \text{ Hr/Wk})] + (\underline{\underline{\$21.06}} / \text{Hr}) = \$ \underline{\underline{44.16}} / \text{Hr.}$$

c. Hourly Standby Rate:

$$(\text{Depreciation}) \times 0.25 + (\text{CFC Frm})$$

From 6-a 6-b-(2)

$$= (\underline{\underline{\$14.27}} / \text{Hr}) \times 0.25 + (\underline{\underline{\$13.25}} / \text{Hr}) \quad = \$ \underline{\underline{16.82}} / \text{Hr.}$$

Figure 2-1. (Continued)

2-3. Marine Equipment.

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

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

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

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

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

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:					
Pontoon	15	0	6.67	5.28	11.95
Pipeline/Joints (Avg)	10	0	10.00	5.45	15.45

CHAPTER 3

RATE SCHEDULE

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

3-2. Hourly Equipment Ownership and Operating Expense.

a. Description.

(1) The following example illustrates how the equipment is listed in TABLE 3-1. The unit number 3180 is the identifying number of this piece of equipment in the input and output computer listings. The number 5530 is the model number of the equipment (American Model 5530 Truck Crane). The crane is rated at 75 tons and is equipped with a 170-foot boom. The crane has a 115-horsepower engine, the carrier has a 238-horsepower engine and both engines are diesel. The cost column reflects the pre-determined "equipment cost," used to compute the rates.

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

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

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

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

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

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

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

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

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

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

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

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

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

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

ETNYRE - SELF-PROPELLED														
1010	SPREAD TO 8" DEPTH & 10' WIDE	187 HP G	51,196	24.19		3.10	6.10	11.54	155					
1015	SPREAD TO 8" DEPTH & 13' WIDE	143 HP D	57,098	16.29		3.46	6.82	4.25	160					
AIR COMPRESSORS, PORTABLE														

(HOSE NOT INCLUDED)														
ROTARY SCREW														
1030	SIZE 85 CFM QUIET 100 PSI	43 HP G	9,760	6.40		0.60	1.13	3.43	21					
1035	SIZE 85 CFM QUIET 100 PSI	38 HP D	11,550	4.03		0.70	1.33	1.43	24					
1040	SIZE 100 CFM QUIET 100 PSI	50 HP G	12,140	7.59		0.74	1.40	3.99	20					
1045	SIZE 100 CFM QUIET 100 PSI	44 HP D	14,583	4.90		0.89	1.68	1.56	26					
1050	SIZE 125 CFM QUIET 100 PSI	70 HP G	14,859	10.21		0.90	1.71	5.59	24					
1055	SIZE 125 CFM QUIET 100 PSI	51 HP D	15,808	5.47		0.96	1.82	1.92	26					
1060	SIZE 150 CFM QUIET 100 PSI	70 HP G	16,217	10.47		0.99	1.87	5.59	26					
1065	SIZE 150 CFM QUIET 100 PSI	69 HP D	18,390	6.85		1.13	2.13	2.60	28					
1070	SIZE 185 CFM QUIET 100 PSI	70 HP G	16,742	10.57		1.02	1.93	5.59	27					
1075	SIZE 185 CFM QUIET 100 PSI	69 HP D	19,733	7.10		1.20	2.28	2.60	29					
1080	SIZE 275 CFM QUIET 100 PSI	94 HP D	29,486	10.17		1.80	3.42	3.54	55					
1085	SIZE 340 CFM QUIET 100 PSI	103 HP D	36,626	11.97		2.22	4.19	3.87	79					
1090	SIZE 450 CFM QUIET 100 PSI	152 HP D	47,374	16.40		2.88	5.45	5.72	89					
1095	SIZE 600 CFM QUIET 100 PSI	175 HP D	63,739	20.64		3.88	7.35	6.58	97					
1100	SIZE 750 CFM QUIET 100 PSI	228 HP D	74,006	25.16		4.51	8.54	8.58	128					
1105	SIZE 825 CFM QUIET 100 PSI	250 HP D	84,114	28.14		5.12	9.72	9.40	130					
1110	SIZE 900 CFM QUIET 100 PSI	270 HP D	92,200	30.67		5.62	10.67	10.16	148					
1115	SIZE 1000 CFM QUIET 100 PSI	283 HP D	103,190	33.40		6.30	11.95	10.65	186					
1120	SIZE 1200 CFM QUIET 100 PSI	325 HP D	123,271	39.25		7.52	14.28	12.23	196					
1125	SIZE 1600 CFM QUIET 100 PSI	456 HP D	139,336	48.64		8.50	16.14	17.15	216					

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNERSHIP	FUEL				
AIR EQUIPMENT ***** (HOSE NOT INCLUDED)												
CLEMCO - SANDBLASTERS												
1140	SCW-1042P SANDBLASTER 1/2" HOSE 101CFM A CAP. 100 LBS. W/ACC. AND 25' HOSE	1,401	0.97		0.14	0.35	0.00		3			
1145	SCW-1440P SANDBLASTER 1" HOSE 101CFM A CAP. 150 LBS W/ACC. AND 50' HOSE	2,612	1.75		0.25	0.64	0.00		5			
1150	SCWB-1648P SANDBLASTER 1" HOSE 101CFM A CAP. 300 LBS. W/ACC. AND 50' HOSE	2,644	1.76		0.25	0.64	0.00		6			
1155	SCWB-2452HPSANDBLASTER 1-1/4" HOS 216CFM A CAP. 600 LBS. W/ACC. AND 50' HOSE	2,941	2.03		0.29	0.72	0.00		7			
1160	SCH-3079 SANDBLASTER 1-1/4" PIPE 216CFM A CAP. 1400 LBS W/HOPPER & 50' HOSE	3,909	2.65		0.37	0.95	0.00		9			
1165	MOD 60-H SANDBLASTER 1-1/4" PIPE 450CFM A CAP. 3-TONS W/2 NOZZ. & 50' HOSE	11,371	7.49		1.09	2.72	0.00		28			
1170	MOD 120-H SANDBLASTER 1-1/4" PIPE 700CFM A CAP. 6-TONS W/3 NOZZ. & 50' HOSE	13,838	9.02		1.29	3.22	0.00		45			
1175	MOD 160-H SANDBLASTER 1-1/4" PIPE 900CFM A CAP. 8-TONS W/4 NOZZ. & 50' HOSE	17,178	11.28		1.62	4.04	0.00		53			
GARDNER DENVER - TOOLS												
1185	SPADER SP27E	32CFM A	987	0.71		0.10	0.25	0.00	1			
1190	SINKER DRILL S58	98CFM A	2,157	1.50		0.21	0.53	0.00	1			
1195	PAVING BREAKER B37	41CFM A	1,013	0.72		0.10	0.25	0.00	1			
1200	PAVING BREAKER B67C	46CFM A	1,085	0.75		0.10	0.26	0.00	1			
1205	PAVING BREAKER B87C	50CFM A	1,179	0.82		0.12	0.29	0.00	1			
1210	FEED LEG DRILL S83F-54" TRAVEL RETRACTABLE FL-7	103CFM A	3,958	2.69		0.39	0.97	0.00	1			
MASTER - CONCRETE VIBRATORS												
1220	CONCRETE VIBR. MOD A-600SH 6"	125CFM A	1,917	1.90		0.19	0.47	0.00	1			
1225	CONCRETE VIBR. MOD A-450SH 4.5"	110CFM A	1,235	1.26		0.12	0.30	0.00	1			
1230	CONCRETE VIBR. MOD A-35010 3.5"	82CFM A	1,109	1.11		0.11	0.27	0.00	1			
1235	CONCRETE VIBR. MOD A-30010 3"	64CFM A	1,001	1.00		0.10	0.25	0.00	1			
1240	CONCRETE VTBR. MOD A-25010 2.5"	40CFM A	787	0.79		0.08	0.20	0.00	1			

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

UNTT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT
			CONDITION	STAND-	BY	AVERAGE COND.	SEVERE COND.		
			AVERAGE	SEVERE	OWNER-	FUEL	OWNER-	FUEL	
ASPHALT DISTRIBUTOR - ROSCO									
***** (NO CHASSIS)									
1250	MOD RES 1000 GAL. TRUCK MOUNTED 18,000 TO 24,000 GVW REQUIRED	45 HP G	25,506	10.03		1.56	3.10	3.59	72
1255	MOD RES 1500 GAL. TRUCK MOUNTED 24,000 TO 32,000 GVW REQUIRED	45 HP G	26,362	10.19		1.61	3.19	3.59	75
1260	MOD RES 2000 GAL. TRUCK MOUNTED 32,000 GVW REQUIRED	45 HP G	28,218	10.58		1.73	3.42	3.59	87
1265	MOD RES 3000 GAL. TRUCK MOUNTED 42,000 GVW REQRTED	45 HP G	31,685	11.30		1.94	3.84	3.59	109
ASPHALT FINISHERS									

SPW=STANDARD PAVING WIDTH									
BARBER-GREENE									
1275	MOD SB111 8' SPW (PNEUMATIC)	70 HP D	91,915	22.95		5.58	11.00	2.63	165
1280	MOD SB131 10' SPW (PNEUMATIC) W/VIB SCREED, AUTO. FEEDERS AND GR CONTROL	95 HP D	145,696	35.70		8.81	17.31	3.57	258
1285	MOD SB140 10' SPW (PNEUMATIC) OPTIONS SAME AS MOD SB131	130 HP D	161,599	40.79		9.79	19.25	4.89	325
1290	MOD SA150 10' SPW (CRAWLER) OPTIONS SAME AS MOD SB131	130 HP D	192,386	47.05		11.75	23.32	4.89	375
BLAW-KNOX									
1300	MOD PF-22 5' SPW (PNEUMATIC)	22 HP D	46,887	11.09		2.83	5.54	0.83	95
1305	MOD PF-35 6' SPW (PNEUMATIC)	56 HP D	73,511	18.38		4.46	8.77	2.11	104
1310	MOD PF-115 8' SPW (PNEUMATIC)	58 HP D	102,194	24.59		6.19	12.19	2.18	180
1315	MOD PF-120H 8' SPW (PNEUMATIC)	87 HP D	127,431	31.45		7.70	15.10	3.27	240
1320	MOD PF-180H 10' SPW (PNEUMATIC)	88 HP D	149,203	36.16		9.01	17.66	3.31	277
1325	MOD PF-220 12' SPW (PNEUMATIC)	157 HP D	196,945	49.74		11.89	23.30	5.91	387
1330	MOD PF-400 8' SPW (CRAWLER)	76 HP D	140,266	33.41		8.57	17.01	2.86	230
1335	MOD PF-500 10' SPW (CRAWLER)	110 HP D	167,777	40.88		10.25	20.34	4.14	291

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL	
ASPHALT KETTLES - ROSCO									
1345	MOD KB 110 GAL. TRAILER MOUNTED	3,680	1.98		0.25	0.51	0.00		13
1350	MOD KD 225 GAL. TRAILER MOUNTED	4,283	2.13		0.28	0.59	0.00		16
ASPHALT RECYCLER - BOMAG									
1360	MOD AR-6 TRAILER MOUNTED	8 HP G	10,023	4.84		0.66	1.39	0.64	21
BROOMS - M-B									
1370	MOD 53T HYD 7 FT. TOWED MECH DRIVE W/SPRINKLER		6,339	1.46		0.39	0.73	0.00	24
1375	MOD 53-M 7 FT. TOWED MOTOR DRIVEN W/SPRINKLER	21 HP G	8,205	3.73		0.50	0.94	1.68	30
1380	MOD MT 7 FT. TRACTOR MOUNTED PTO DRIVE W/SPRINKLER		2,775	0.74		0.17	0.32	0.00	10
1385	MOD HT 7 FT. TRACTOR MOUNTED HYD DRIVE W/SPRINKLER		4,294	0.99		0.26	0.50	0.00	14
BRUSH CHIPPERS - FMC									
1395	MOD C-16S SKID-MTD 16" DIA.LOG 150 HP G	11,473	13.42		0.71	1.30	8.35		41
1400	MOD C-16T TRAILER-MTD 16" DTA.LOG 150 HP G	12,557	13.65		0.76	1.39	8.35		45
BUCKETS, CLAMSHELL									
ESCO - MODEL GPS GENERAL PURPOSE & SQUARE NOSE									
1410	.75 C.Y.	9,583	1.87	2.37	0.59	1.20	0.00	1.41	0.00
1415	1.0 C.Y.	11,227	2.20	2.79	0.69	1.41	0.00	1.66	0.00
1420	1.5 C.Y.	16,521	3.23	4.09	1.01	2.07	0.00	2.43	0.00
1425	2.0 C.Y.	18,679	3.64	4.62	1.14	2.33	0.00	2.75	0.00
1430	2.5 C.Y.	24,343	4.76	6.02	1.49	3.05	0.00	3.58	0.00
1435	3.0 C.Y.	25,779	5.03	6.38	1.57	3.22	0.00	3.80	0.00
1440	3.5 C.Y.	26,449	5.16	6.55	1.61	3.30	0.00	3.90	0.00
									110

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNERSHIP	FUEL				
***** BUCKETS, CLAMSHELL (CONT'D) *****												
ESCO - MODEL GPS GEN PURPOSE & SQUARE NOSE (CONT'D)												
1445	4.0 C.Y.	29,108	5.68	7.21	1.78	3.64	0.00	4.29	0.00			
1450	4.5 C.Y.	31,487	6.14	7.80	1.92	3.93	0.00	4.64	0.00			
1455	5.0 C.Y.	34,130	6.67	8.45	2.09	4.27	0.00	5.03	0.00			
1460	5.5 C.Y.	36,837	7.18	9.12	2.25	4.60	0.00	5.43	0.00			
1465	6.0 C.Y.	38,155	7.45	9.45	2.33	4.77	0.00	5.63	0.00			
1470	6.5 C.Y.	41,244	8.05	10.21	2.52	5.16	0.00	6.08	0.00			
1475	7.0 C.Y.	42,494	8.29	10.52	2.60	5.31	0.00	6.26	0.00			
1480	7.5 C.Y.	44,092	8.60	10.92	2.69	5.51	0.00	6.50	0.00			
ESCO - MODEL HDS HEAVY DUTY & SQUARE NOSE												
1490	.75 C.Y.	10,035	1.96	2.49	0.62	1.26	0.00	1.48	0.00			
1495	1.0 C.Y.	13,598	2.65	3.36	0.83	1.70	0.00	2.00	0.00			
1500	1.5 C.Y.	19,791	3.87	4.90	1.21	2.48	0.00	2.32	0.00			
1505	2.0 C.Y.	21,369	4.17	5.29	1.31	2.67	0.00	3.15	0.00			
1510	2.5 C.Y.	27,165	5.31	6.73	1.66	3.40	0.00	4.01	0.00			
1515	3.0 C.Y.	29,714	5.80	7.36	1.81	3.71	0.00	4.38	0.00			
1520	3.5 C.Y.	32,058	6.25	7.94	1.95	4.00	0.00	4.73	0.00			
1525	4.0 C.Y.	34,465	6.73	8.54	2.11	4.31	0.00	5.08	0.00			
1530	4.5 C.Y.	36,998	7.22	9.16	2.26	4.62	0.00	5.45	0.00			
1535	5.0 C.Y.	40,726	7.95	10.08	2.49	5.09	0.00	6.00	0.00			
1540	5.5 C.Y.	42,967	8.39	10.64	2.63	5.37	0.00	6.33	0.00			
1545	6.0 C.Y.	45,454	8.88	11.25	2.78	5.69	0.00	6.69	0.00			
1550	6.5 C.Y.	47,404	9.25	11.73	2.89	5.92	0.00	6.98	0.00			
1555	7.0 C.Y.	49,376	9.63	12.22	3.01	6.17	0.00	7.27	0.00			
1560	7.5 C.Y.	51,333	10.02	12.71	3.14	6.42	0.00	7.56	0.00			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE OWNER-SHIP	FUEL OWNER-SHIP	SEVERE FUEL COND.											
			AVERAGE	SEVERE															
BUCKETS, CLAMSHELL (CONT'D)																			
ESCO - MODEL XDS																			
EXTRA HEAVY DUTY & SQUARE NOSE																			
1570	.75 C.Y.	15,214	2.97	3.77	0.93	1.90	0.00	2.24	0.00	52									
1575	1.0 C.Y.	15,557	3.04	3.85	0.95	1.95	0.00	2.29	0.00	53									
1580	1.5 C.Y.	23,103	4.51	5.72	1.41	2.89	0.00	3.40	0.00	85									
1585	2.0 C.Y.	27,946	5.45	6.92	1.71	3.49	0.00	4.12	0.00	103									
1590	2.5 C.Y.	31,217	6.09	7.73	1.91	3.90	0.00	4.60	0.00	119									
1595	3.0 C.Y.	33,950	6.62	8.40	2.07	4.24	0.00	5.00	0.00	135									
1600	3.5 C.Y.	35,754	6.98	8.85	2.18	4.47	0.00	5.27	0.00	149									
1605	4.0 C.Y.	37,872	7.39	9.38	2.31	4.73	0.00	5.58	0.00	158									
1610	4.5 C.Y.	39,684	7.74	9.83	2.43	4.96	0.00	5.85	0.00	168									
1615	5.0 C.Y.	42,564	8.31	10.55	2.60	5.32	0.00	6.28	0.00	181									
1620	5.5 C.Y.	45,074	8.79	11.16	2.75	5.63	0.00	6.64	0.00	193									
1625	6.0 C.Y.	47,384	9.25	11.73	2.89	5.92	0.00	6.98	0.00	203									
1630	6.5 C.Y.	51,338	10.02	12.71	3.14	6.42	0.00	7.56	0.00	220									
1635	7.0 C.Y.	52,906	10.32	13.10	3.23	6.61	0.00	7.80	0.00	230									
1640	7.5 C.Y.	55,145	10.76	13.66	3.37	6.89	0.00	8.13	0.00	241									
BUCKETS, CONCRETE - GAR-BRO																			
GENERAL PURPOSE & MANUAL																			
1650	433-G 1.0 C.Y.	1,454	0.28		0.09	0.18	0.00			6									
1655	442-G 1.5 C.Y.	1,923	0.35		0.11	0.22	0.00			8									
1660	462-G 2.0 C.Y.	2,377	0.46		0.15	0.29	0.00			11									
1665	493-G 3.0 C.Y.	3,403	0.65		0.21	0.41	0.00			19									
1670	4123-G 4.0 C.Y.	4,296	0.83		0.27	0.53	0.00			23									

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

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

LOW SLUMP - AIR OPERATED GATE														
1680	440-A 1.0 C.Y.	6,256	1.20		0.39	0.76	0.00		19					
1685	450-A 1.5 C.Y.	6,522	1.25		0.40	0.79	0.00		21					
1690	460-A 2.0 C.Y.	6,779	1.30		0.42	0.82	0.00		23					
1695	493-A 3.0 C.Y.	8,985	1.72		0.55	1.09	0.00		42					
1700	4139-A 4.0 C.Y.	9,400	1.81		0.58	1.15	0.00		52					
1705	4200-A 6.0 C.Y. DBL. COMPI.	13,569	2.60		0.83	1.65	0.00		72					
1710	4250-A 8.0 C.Y. DBL. COMPT.	16,188	3.10		0.99	1.96	0.00		80					
LAYDOWN - HEAVY DUTY - AIR GATE														
1720	425-A 1.0 C.Y.	7,183	1.37		0.44	0.87	0.00		26					
1725	465-A 2.0 C.Y.	8,149	1.55		0.49	0.98	0.00		31					
1730	495-A 3.0 C.Y.	9,340	1.79		0.57	1.13	0.00		40					
1735	4125-A 4.0 C.Y.	10,429	2.00		0.64	1.27	0.00		49					
1740	4155-A 5.0 C.Y.	12,234	2.34		0.75	1.48	0.00		60					
BUCKETS, DRAGLINE														

HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED														
1755	.75 C.Y.	3,248	0.64	0.81	0.20	0.41	0.00	0.48	0.00					
1760	1.0 C.Y.	3,854	0.75	0.96	0.23	0.48	0.00	0.57	0.00					
1765	1.5 C.Y.	4,738	0.92	1.16	0.29	0.59	0.00	0.69	0.00					
1770	2.0 C.Y.	5,608	1.09	1.39	0.34	0.70	0.00	0.83	0.00					
1775	2.5 C.Y.	6,582	1.28	1.63	0.40	0.82	0.00	0.97	0.00					
1780	3.0 C.Y.	8,118	1.58	2.01	0.49	1.01	0.00	1.20	0.00					
1785	3.5 C.Y.	8,974	1.76	2.23	0.55	1.13	0.00	1.33	0.00					
1790	4.0 C.Y.	10,965	2.14	2.72	0.67	1.37	0.00	1.62	0.00					
1795	4.5 C.Y.	11,642	2.27	2.88	0.71	1.45	0.00	1.71	0.00					
1800	5.0 C.Y.	14,065	2.75	3.48	0.86	1.76	0.00	2.07	0.00					

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

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

HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED (CONT'D)																			
1805	6.0 C.Y.	15,231	2.97	3.77	0.93	1.90	0.00	2.24	0.00	90									
1810	7.0 C.Y.	16,674	3.25	4.13	1.02	2.08	0.00	2.46	0.00	101									
1815	8.0 C.Y.	18,486	3.61	4.57	1.13	2.31	0.00	2.72	0.00	112									
1820	9.0 C.Y.	21,339	4.17	5.28	1.31	2.67	0.00	3.14	0.00	128									
1825	10.0 C.Y.	23,186	4.53	5.74	1.42	2.90	0.00	3.42	0.00	139									
1830	12.0 C.Y.	28,465	5.56	7.04	1.74	3.56	0.00	4.19	0.00	166									
1835	14.0 C.Y.	32,731	6.39	8.10	2.00	4.09	0.00	4.82	0.00	191									
HENDRIX - MODEL TS, MEDIUM WEIGHT																			
1845	.75 C.Y.	3,781	0.74	0.93	0.23	0.47	0.00	0.55	0.00	17									
1850	1.0 C.Y.	4,633	0.90	1.14	0.28	0.57	0.00	0.68	0.00	19									
1855	1.5 C.Y.	5,750	1.12	1.42	0.35	0.72	0.00	0.84	0.00	29									
1860	2.0 C.Y.	6,878	1.34	1.70	0.42	0.86	0.00	1.01	0.00	36									
1865	2.5 C.Y.	7,924	1.55	1.95	0.48	0.99	0.00	1.16	0.00	41									
1870	3.0 C.Y.	9,473	1.85	2.35	0.58	1.19	0.00	1.40	0.00	49									
1875	3.5 C.Y.	10,462	2.04	2.59	0.64	1.31	0.00	1.54	0.00	54									
1880	4.0 C.Y.	12,599	2.45	3.11	0.77	1.57	0.00	1.85	0.00	70									
1885	4.5 C.Y.	13,454	2.62	3.33	0.82	1.68	0.00	1.98	0.00	72									
1890	5.0 C.Y.	17,250	3.37	4.27	1.06	2.16	0.00	2.54	0.00	93									
1895	6.0 C.Y.	17,825	3.48	4.42	1.09	2.23	0.00	2.63	0.00	96									
1900	7.0 C.Y.	20,357	3.98	5.04	1.25	2.55	0.00	3.00	0.00	111									
1905	8.0 C.Y.	22,412	4.37	5.55	1.37	2.80	0.00	3.30	0.00	122									
1910	9.0 C.Y.	26,853	5.24	6.64	1.64	3.36	0.00	3.95	0.00	149									
1915	10.0 C.Y.	28,598	5.59	7.09	1.75	3.58	0.00	4.22	0.00	159									
1920	12.0 C.Y.	36,444	7.12	9.02	2.23	4.56	0.00	5.37	0.00	202									
1925	14.0 C.Y.	40,581	7.92	10.04	2.48	5.07	0.00	5.97	0.00	225									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT					
			CONDITION		STAND-BY	OWNER-SHIP	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE			FUEL	OWNER-SHIP	FUEL						
BUCKETS, DRAGLINE (CONT'D)															
HENDRIX - MODEL MH-S, HEAVY WEIGHT															
1935	2.75 C.Y.	15,124	2.95	3.75	0.92	1.89	0.00	2.23	0.00	69					
1940	3.0 C.Y.	15,729	3.06	3.90	0.96	1.96	0.00	2.32	0.00	72					
1945	3.5 C.Y.	17,614	3.44	4.37	1.08	2.20	0.00	2.60	0.00	81					
1950	4.0 C.Y.	23,573	4.60	5.83	1.44	2.95	0.00	3.47	0.00	110					
1955	4.5 C.Y.	26,355	5.15	6.52	1.61	3.30	0.00	3.88	0.00	123					
1960	5.0 C.Y.	27,215	5.31	6.74	1.66	3.40	0.00	4.01	0.00	127					
1965	6.0 C.Y.	29,141	5.68	7.22	1.78	3.64	0.00	4.30	0.00	136					
1970	7.0 C.Y.	37,066	7.23	9.18	2.26	4.63	0.00	5.46	0.00	175					
1975	8.0 C.Y.	38,124	7.44	9.43	2.32	4.76	0.00	5.61	0.00	180					
1980	9.0 C.Y.	48,523	9.48	12.01	2.97	6.07	0.00	7.15	0.00	234					
1985	10.0 C.Y.	50,118	9.78	12.40	3.06	6.26	0.00	7.38	0.00	243					
1990	12.0 C.Y.	59,609	11.63	14.76	3.64	7.45	0.00	8.78	0.00	289					
1995	14.0 C.Y.	62,787	12.25	15.54	3.83	7.84	0.00	9.25	0.00	309					
SAUERMAN - CRESCENT SCRAPER															
WITH DRAGLINE CONVERSION KIT															
2005	SC-1050-K 1.0 C.Y.	10,055	1.97	2.49	0.62	1.26	0.00	1.48	0.00	15					
2010	SC-1060-K 1.5 C.Y.	12,882	2.51	3.19	0.79	1.61	0.00	1.90	0.00	20					
2015	SC-1070-K 2.0 C.Y.	17,642	3.44	4.37	1.08	2.20	0.00	2.60	0.00	25					
2020	SC-1090-K 3.0 C.Y.	23,356	4.56	5.78	1.43	2.92	0.00	3.44	0.00	36					
2025	SC-1100-K 4.0 C.Y.	34,881	6.81	8.64	2.13	4.36	0.00	5.14	0.00	49					
2030	SC-1110-K 5.0 C.Y.	39,787	7.76	9.85	2.43	4.97	0.00	5.86	0.00	58					
2035	SC-1120-K 6.0 C.Y.	48,207	9.40	11.94	2.94	6.02	0.00	7.11	0.00	68					
2040	SC-1130-K 8.0 C.Y.	58,605	11.44	14.52	3.58	7.33	0.00	8.64	0.00	88					
2045	SC-1140-K 10.0 C.Y.	71,101	13.87	17.61	4.34	8.88	0.00	10.48	0.00	106					
2050	SC-1150-K 12.0 C.Y.	82,545	16.11	20.44	5.04	10.32	0.00	12.17	0.00	132					

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE OWNER-SHIP	SEVERE OWNER-SHIP	COND. FUEL	SEVERE COND. FUEL	
COMPACTORS, MANUALLY OPERATED									
2060	UR-12 INGERSOLL-RAND RAMMER	3 HP G	1,639	0.99	0.13	0.29	0.33		1
2065	GVR75Y WACKER RAMMER	3 HP G	1,292	0.87	0.10	0.23	0.33		1
2070	GVR100 WACKER RAMMER	5 HP G	1,751	1.30	0.14	0.31	0.55		1
2075	GVR151Y WACKER RAMMER	5 HP G	2,271	1.48	0.18	0.40	0.55		2
2080	GVR220Y WACKER RAMMER	6 HP G	2,930	1.86	0.23	0.52	0.66		2
2085	VPG160B WACKER VIBRO PLATE	3 HP G	1,143	0.81	0.09	0.20	0.33		2
2090	VPG260K WACKER VIBRO PLATE	7 HP G	1,789	1.59	0.14	0.32	0.77		3
2095	BT-50 BOMAG TAMPING	4 HP G	1,701	1.14	0.13	0.29	0.44		1
2100	BT-70 BOMAG TAMPING	4 HP G	2,126	1.30	0.16	0.37	0.44		2
2105	BP-11K BOMAG VIBRO PLATE	4 HP G	1,470	1.06	0.11	0.25	0.44		3
2110	BP-19/75 BOMAG VIBRO PLATE	5 HP D	3,033	1.39	0.23	0.53	0.26		4
2115	BP-30 BOMAG VIBRO PLATE	5 HP D	5,190	2.15	0.40	0.91	0.26		5
2120	BP-50 BOMAG VIBRO PLATE	5 HP D	9,071	3.53	0.70	1.59	0.26		9
2125	BW-75E BOMAG WALK BEHIND S/D	5 HP D	7,036	2.81	0.54	1.24	0.26		10
2130	BW-35 BOMAG WALK BEHIND D/D	4 HP D	8,729	3.35	0.67	1.53	0.21		11
2135	BW-60SE BOMAG D/D ROLLER	8 HP D	12,125	4.81	0.93	2.13	0.42		20
2140	BW-90SE BOMAG D/D ROLLER	13 HP D	15,070	6.17	1.16	2.65	0.68		30
2145	VPG600 WACKER VIBRO PLATE	9 HP G	3,372	2.42	0.26	0.59	0.99		7
2150	DPS2350 WACKER VIBRO PLATE	7 HP D	3,541	1.72	0.28	0.63	0.37		4
2155	DPS4570 WACKER VIBRO PLATE	10 HP D	5,695	2.66	0.44	1.00	0.52		8
2160	DVU4001 WACKER VIBRO PLATE	10 HP D	11,631	4.76	0.89	2.04	0.52		13
2165	W 55 T WACKER D/D ROLLER	8 HP D	11,221	4.49	0.86	1.97	0.42		17
2170	W 74 T WACKER D/D ROLLER	8 HP D	12,660	5.01	0.98	2.23	0.42		19
CONCRETE BUGGIES - AEROIL									
2180	5 CF WALK-BEHIND	5 HP G	1,548	1.06	0.12	0.27	0.43		3

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	OWNER-SHIP	FUEL	AVERAGE COND.	
			AVERAGE	SEVERE				SEVERE COND.	
CONCRETE FINISHERS - BOMAG									
2190	MOD F46B4 GYRO TROWEL	7 HP G	1,455	1.25		0.11	0.25	0.60	2
2195	MOD RF2B4 DOUBLTROWEL	16 HP G	5,734	3.64		0.44	1.01	1.37	7
2200	MOD RF3B3 TRIPLTROWEL	16 HP G	7,394	4.15		0.56	1.29	1.37	9
CONCRETE MIXERS									
2210	PORTABLE CONCRETE MIXER 2.5 CF	1 HP E	655	0.24		0.05	0.10	0.03	2
2215	PORTABLE CONCRETE MIXER 3.5 CF	1 HP E	680	0.24		0.05	0.10	0.03	3
2220	PORTABLE CONCRETE MIXER 6.0 CF	7 HP G	2,021	1.42		0.15	0.34	0.60	7
2225	PORTABLE MORTAR MIXER 6.0 CF	7 HP G	1,623	1.30		0.12	0.27	0.60	6
CONCRETE PAVERS									
CMI									
2235	MOD SF - 175 SLIPFORM PAVER CURBS, MEDIANES, AND SIDEWALKS	142 HP D	131,643	34.76		8.04	15.96	5.34	263
2240	MOD SF - 250 26' WIDE SLIPFORM UNIT, 0-80 FT/MTN, CRAWLER MTD.	208 HP D	232,136	59.23		14.18	28.14	7.82	470
2245	MOD SUBURBAN 25' WIDE SLIPFORM UNTT, 0-60 FT/MIN, CRAWLER MTD.	250 HP D	410,139	99.01		25.06	49.73	9.40	720
GOMACO									
2255	MOD C-650 24' WIDE FORM PAVER W/4' FINISHING CYLINDERS	65 HP G	27,124	12.60		1.65	3.26	5.19	91
2260	MOD HW-165 16'-6" WIDE SLIPFORM UNIT, AUTO VIBRATORS, CRLR MTD	100 HP D	119,940	30.24		7.33	14.54	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	23,777	6.94		1.58	3.19	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	26,523	8.21		1.77	3.58	1.11	60

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

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

ALLENTOWN (CONT'D)														
2280	GM27 ROTARY GUN 1-4 CY/HR INCL. HOSE, REQ. 400 CFM COMP.	400CFM A	9,823	2.71		0.66	1.34	0.00	15					
2285	GM57 ROTARY GUN 4-12 CY/HR INCL. HOSE, REQ. 600 CFM COMP.	600CFM A	15,825	4.35		1.06	2.15	0.00	30					
CHALLENGE SQUEEZ-CRETE														
2295	250-D FOR WET SHOTCRETE 25 CY/HR TRAILER MOUNTED INCL. HOSE	62 HP D	42,614	15.31		2.84	5.78	3.44	70					
CONCRETE PUMPS														

MORGEN														
2305	MOD 204-305 TRAILER MTD 60 CY/HR 110 HP D		54,208	21.68		3.61	7.35	6.10	70					
2310	MOD 203-420 BOOM 72'-VT 120 CY/HR 210 HP D INCLUDES 24500 GVW TRUCK		138,482	52.94		9.20	18.69	13.64	255					
SCHWING														
2320	MOD BPA 350 TRAILER MTD 60 CY/HR 67 HP D		48,014	17.03		3.19	6.50	3.71	66					
2325	MOD BPA 650 TRAILER MTD 60 CY/HR 152 HP D		75,074	29.98		4.98	10.11	8.43	98					
2330	MOD BPA 901 TRAILER MTD 135 CY/HR 152 HP D		77,118	30.51		5.12	10.39	8.43	98					
2335	MOD BPL 580 TRUCK MTD 72 CY/HR 175 HP D INCLUDING TRUCK AND 75' BOOM		146,014	52.01		9.66	19.54	11.37	302					
2340	MOD BPL 801 TRUCK MTD 107 CY/HR 175 HP D INCLUDING TRUCK AND 92' BOOM		212,183	68.95		14.07	28.52	11.37	321					
2345	MOD BPL1201 TRUCK MTD 147 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM		265,194	87.88		17.58	35.62	15.53	408					
2350	MOD BPL3000 TRUCK MTD 118 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM		268,260	88.67		17.79	36.04	15.53	408					

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

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

FELKER (SAWBLADE WEAR NOT INCLUDED)												
2360	MOD 8KCC	5" DEPTH OF CUT 8 HP G	1,257	1.48		0.08	0.17	0.88	3			
2365	MOD 12WCC	5" DEPTH OF CUT 12 HP G	1,444	2.11		0.10	0.20	1.32	3			
2370	MOD 14TCC	5" DEPTH OF CUT 14 HP G	1,495	2.42		0.10	0.21	1.54	3			
2375	MOD 140MR	8" DEPTH OF CUT 14 HP G	3,408	2.92		0.23	0.48	1.54	6			
2380	MOD 185MR	8" DEPTH OF CUT 18 HP G	4,499	3.78		0.30	0.63	1.98	7			
2385	MOD 250MR	8" DEPTH OF CUT 23 HP G	4,569	4.53		0.30	0.64	2.53	7			
2390	MOD 30MCA	10" DEPTH OF CUT 30 HP G	7,582	6.34		0.51	1.07	3.30	12			
2395	MOD 665MCA	15" DEPTH OF CUT 65 HP G	9,275	11.88		0.62	1.31	7.16	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)		181,015	33.79	41.34	10.35	19.30	2.76	21.81			
MOD 597-C 1.25 CY T/C 114 HP D 14'-7" CRAWLERS W/32" SHOES												
2410	DRAGLINE OR CLAMSHELL (LESS BUCKET)		247,188	40.95	48.29	13.15	22.93	3.39	25.04			
2415	CRANE 35-T W/65' BOOM		254,736	37.66	43.47	13.55	23.63	2.71	25.80			
MOD 599-A LIFTING CRANE T/C 114 HP D 16'-0" CRAWLERS W/32" SHOES												
2425	CRANE 40-T W/75' BOOM		270,139	39.75	45.85	14.37	25.06	2.71	27.36			
MOD 5299-A LIFTING CRANE T/C 114 HP D 17'-6" CRAWLERS W/32" SHOES												
2435	CRANE 50-T W/75' BOOM		286,027	41.89	48.31	15.21	26.53	2.71	28.98			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION	STAND BY	AVERAGE COND.	SEVERE COND.	OWNERSHIP	FUEL	OWNERSHIP		
					AVERAGE	SEVERE					
	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)	344,762	57.42	67.76	18.34	31.98	4.99	34.92	6.32	1278	
2450	CRANE 40-T W/75' BOOM	337,760	50.40	58.26	17.97	31.33	3.99	34.22	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	360,292	49.70	56.22	18.21	30.09	3.99	32.17	5.16	1421	
	MOD 7260 LIFTING CRANE T/C 168 HP D 19'-6" CRAWLERS W/38" SHOES										
2470	CRANE 100T W/200' BOOM	458,912	62.02	69.94	23.21	38.34	3.99	40.98	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	604,966	83.59	94.58	30.58	50.53	6.82	54.03	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	632,432	87.03	98.40	31.97	52.83	6.82	56.48	8.81	3150	
2495	DRAGLINE OR CLAMSHELL (LESS BUCKET)	606,088	92.04	106.04	31.10	49.77	8.52	53.03	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	717,331	97.63	110.22	36.27	59.92	6.82	64.07	8.81	3400	
	MOD 9299 LIFTING CRANE T/C 287 HP D 24'-11" CRAWLERS W/44" SHOES										
2515	CRANE 165T W/290' BOOM	746,509	97.88	109.18	37.38	58.08	6.82	61.30	8.81	3580	
	MOD 9310 LIFTING CRANE T/C 287 HP D 28'-2" CRAWLERS W/50" SHOES										
2525	CRANE 225T W/280' BOOM	807,808	105.25	117.29	40.45	62.85	6.82	66.33	8.81	3990	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND BY	AVERAGE OWNER-SHIP	SEVERE OWNER-SHIP	AVERAGE FUEL	SEVERE FUEL				
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)	189,846	36.04	44.13	10.85	20.24	3.42	22.87	4.33			
2545	CRANE 28-T W/50' BOOM	200,623	30.36	35.16	10.67	18.61	2.73	20.33	3.53			
	MOD 30-B SER 5 HVY DUTY 1.5 CY 144 HP D 14'-7" CRAWLERS W/36" SHOES											
2555	BACKHOE	261,718	59.68	76.00	15.99	31.53	4.99	36.96	6.56			
2560	DRAGLINE OR CLAMSHELL (LESS BUCKET)	257,345	43.51	51.41	13.69	23.87	4.28	26.07	5.42			
2565	CRANE 35-T W/60' BOOM	258,583	39.03	45.16	13.75	23.99	3.42	26.19	4.42			
	MOD 38-B SER 2 HVY DUTY 2 CY T/C 178 HP D 17'-5" CRAWLERS W/36" SHOES											
2575	SHOVEL	365,943	82.49	105.02	22.36	44.09	6.17	51.68	8.11			
2580	DRAGLINE OR CLAMSHELL (LESS BUCKET)	371,547	61.78	72.89	19.76	34.47	5.29	37.63	6.70			
	MOD 61-B SER 2 3.25 CY T/C 205 HP D 15'-11" CRAWLERS W/33" SHOES											
2590	SHOVEL	530,276	108.76	133.32	30.14	58.10	7.10	65.92	9.34			
2595	BACKHOE	507,913	104.53	128.16	28.87	55.65	7.10	63.14	9.34			
2600	DRAGLINE OR CLAMSHELL (LESS BUCKET)	512,832	76.56	88.05	26.31	42.11	6.09	44.87	7.71			
2605	CRANE 51-T W/70' BOOM	504,863	68.79	77.67	25.52	42.17	4.87	45.09	6.29			
	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	628,951	85.35	96.30	31.80	52.54	5.77	56.16	7.46			
2620	DRAGLINE OR CLAMSHELL (LESS BUCKET)	600,229	89.72	103.19	30.80	49.29	7.22	52.52	9.14			
	MOD 71-B SER 3 4.25 CY T/C 246 HP D 16'-10" CRAWLERS W/36" SHOES											
2630	SHOVEL	641,716	131.53	161.23	36.47	70.31	8.52	79.78	11.20			
2635	BACKHOE	607,598	125.07	153.35	34.53	66.57	8.52	75.53	11.20			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND BY	AVERAGE	OWNER-SHIP	AVERAGE FUEL	SEVERE OWNER-SHIP	SEVERE FUEL				
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)	589,944	88.43	101.74	30.27	48.44	7.31	51.62	9.25	1768			
	MOD 88-B SER 4 5.5 CY T/C 365 HP D 17'-10" CRAWLERS W/36" SHOES												
2650	SHOVEL	895,035	178.33	204.89	48.18	88.63	12.65	98.05	16.62	2822			
2655	DRAGLINE OR CLAMSHELL (LESS BUCKET)	722,816	107.44	122.51	36.19	56.23	10.84	59.35	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	196,597	29.67	34.35	10.45	18.23	2.61	19.91	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	300,256	42.12	47.74	15.18	25.08	3.92	26.81	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	413,130	56.36	63.65	20.88	34.51	4.04	36.90	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	661,096	89.43	100.87	33.43	55.23	5.82	59.05	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)	434,919	68.89	79.70	22.32	35.72	8.52	38.06	10.80	2306			
2720	CRANE 100T W/210' BOOM	470,326	66.79	75.85	23.78	39.29	6.82	42.01	8.81	2354			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
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)	553,141	86.49	99.94	28.38	45.42	9.89	48.40	12.53	2763				
2735	CRANE 140T W/250' BOOM	560,297	79.31	90.02	28.33	46.81	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)	736,188	112.19	129.31	37.77	60.45	10.69	64.41	13.54	3788				
2750	CRANE 200T W/260' BOOM	745,459	99.79	111.68	37.33	58.00	8.55	61.21	11.05	3929				
MOD 4600 VICON SERIES 1 7 CY T/C 685 HP D 26'-1" CRAWLERS W/60" SHOES														
2760	CRANE 240T W/260' BOOM	1,142,304	156.66	175.94	57.20	88.87	16.28	93.79	21.02	5095				
2765	DRAGLINE OR CLAMSHELL (LESS BUCKET)	1,163,333	176.35	201.51	58.25	90.51	20.34	95.52	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)	258,385	46.96	55.75	13.75	23.97	7.07	26.17	8.95	954				
2785	CRANE 45-T W/60' BOOM	255,511	41.24	48.07	13.59	23.70	5.65	25.88	7.30	947				
MOD 80-D 2.5 CY T/C 263 HP D 15'-10" CRAWLERS W/30" SHOES														
2795	SHOVEL	434,649	100.07	127.51	26.55	52.35	9.11	61.38	11.98	1510				
2800	DRAGLINE OR CLAMSHELL (LESS BUCKET)	372,874	64.95	76.88	19.83	34.59	7.81	37.76	9.89	1274				
2805	CRANE 40-T W/50' BOOM	368,905	57.29	66.49	19.63	34.23	6.25	37.36	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)	465,894	72.25	83.40	23.91	38.26	7.81	40.77	9.89	1580				
2820	CRANE 60-T W/50' BOOM	461,863	65.05	73.79	23.35	38.58	6.25	41.25	8.07	1565				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION AVERAGE	SEVERE	STAND-BY	AVERAGE COND. OWNER-SHIP	SEVERE COND. OWNER-SHIP	FUEL				
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	719,512	150.82	185.17	40.89	78.82	12.40	89.44	16.30			
2835	DRAGLINE OR CLAMSHELL (LESS BUCKET)	648,603	100.27	115.74	33.27	53.25	10.63	56.75	13.47			
2840	CRANE 97.5-T W/170' BOOM	671,628	93.91	106.42	33.95	56.10	8.51	59.98	10.99			
	MOD 190-D WT SERIES 3 T/C 430 HP D 21'-1" CRAWLERS W/54" SHOES											
2850	DRAGLINE 6.5 CY (LESS BUCKET)	684,794	104.75	119.81	34.29	53.28	12.77	56.23	16.18			
2855	CRANE 100-T W/170' BOOM	727,689	102.94	116.84	36.79	60.79	10.22	64.99	13.20			
P & H - CRAWLER TYPE												
	MOD 5060 1.75 CY T/C 140 HP D 19'-8" CRAWLERS W/30" SHOES											
2870	DRAGLINE (LESS BUCKET)	297,913	49.44	58.33	15.85	27.64	4.16	30.18	5.27			
2875	CRANE 60-T W/80' BOOM	303,847	41.87	47.34	15.36	25.38	3.33	27.13	4.30			
	MOD 670WLC 2 CY T/C 198 HP D 18'-6" CRAWLERS W/30" SHOES											
2885	DRAGLINE OR CLAMSHELL (LESS BUCKET)	372,374	62.59	73.91	19.80	34.54	5.88	37.71	7.45			
2890	CRANE 70-T W/150' BOOM	382,443	53.31	60.38	19.34	31.95	4.70	34.15	6.08			
	MOD 5100 3 CY T/C 236 HP D 21'-6" CRAWLERS W/36" SHOES											
2895	DRAGLINE OR CLAMSHELL (LESS BUCKET)	448,882	68.99	79.58	23.03	36.86	7.01	39.27	8.85			
2900	CRANE 100-T W/210' BOOM	465,071	64.70	73.26	23.51	38.85	5.61	41.54	7.24			
	MOD 5300A LIFTING CRANE T/C 378 HP D 32'-8" CRAWLERS W/48" SHOES											
2905	CRANE 300-T W/320' BOOM	1,393,633	178.29	198.09	69.78	108.42	8.98	114.43	11.60			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL OWNER-SHIP						
CRANES, HYDRAULIC SELF-PROPELLED													
GROVE													
2915	MOD RT58A	14 TON	112 HP D	107,542	20.58	5.55	9.35	4.21	410				
2920	MOD RT515	15 TON	115 HP D	115,260	21.78	5.95	10.04	4.33	418				
2925	MOD RT518	18 TON	115 HP D	129,321	23.91	6.67	11.21	4.33	452				
2930	MOD BT522	22 TON	115 HP D	141,547	25.61	7.31	12.30	4.33	498				
2935	MOD RT625	25 TON	156 HP D	188,558	33.62	9.74	16.41	5.87	560				
2940	MOD RT740	40 TON	170 HP D	262,657	45.64	13.53	22.72	6.40	758				
2945	MOD RT755	55 TON	170 HP D	313,298	53.06	16.11	27.01	6.40	839				
2950	MOD RT865	65 TON	208 HP D	385,983	64.94	19.89	33.43	7.82	1100				
2955	MOD RT980	80 TON	230 HP D	497,946	82.39	25.62	42.94	8.65	1320				
2960	MOD RT1650	165 TON	512 HP D	939,517	158.34	48.42	81.39	19.26	2400				
LORAIN													
2970	MOD LRT150	15 TON	120 HP D	111,307	21.25	5.77	9.79	4.51	438				
2975	MOD LRT180	18 TON	120 HP D	118,833	22.27	6.16	10.46	4.51	450				
2980	MOD LRT220	22 TON	120 HP D	127,072	23.39	6.60	11.20	4.51	468				
P & H													
2990	MOD OMEGA 15	15 TON	125 HP D	111,193	21.48	5.77	9.78	4.70	364				
2995	MOD OMEGA 18	18 TON	125 HP D	114,314	21.91	5.93	10.06	4.70	370				
3000	MOD OMEGA 20	20 TON	125 HP D	118,299	22.44	6.14	10.41	4.70	380				
3005	MOD OMEGA 23	23 TON	125 HP D	135,037	24.98	6.99	11.80	4.70	425				
3010	MOD OMEGA 25	25 TON	155 HP D	172,100	31.68	8.90	15.02	5.83	540				
3015	MOD OMEGA 30	30 TON	155 HP D	177,164	32.37	9.16	15.47	5.83	550				
3020	MOD OMEGA 35	35 TON	155 HP D	183,150	33.19	9.48	16.01	5.83	560				
3025	MOD OMEGA 40	40 TON	202 HP D	246,521	44.99	12.69	21.28	7.60	760				
3030	MOD OMEGA 45	45 TON	202 HP D	255,125	46.15	13.13	22.04	7.60	770				
3035	MOD OMEGA 50	50 TON	202 HP D	264,578	47.44	13.63	22.89	7.60	780				
3040	MOD OMEGA 65	65 TON	235 HP D	340,958	60.13	17.54	29.41	8.84	980				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT						
			CONDITION	STAND BY	AVERAGE COND.		SEVERE COND.								
					AVERAGE	SEVERE	OWNERSHIP	FUEL							
CRANES, HYD SELF-PROPELLED (CONT'D)															
PETTIBONE															
3050	MOD 16 MK P SERIES	8 TON	118 HP D	99,517	19.49		5.16	8.76	4.44	290					
3055	MOD 20 MK P SERIES	10 TON	118 HP D	102,169	19.92		5.30	8.98	4.44	310					
3060	MOD 25 MK P SERIES	12.5 TON	118 HP D	106,024	20.44		5.50	9.32	4.44	465					
3065	MOD 36 MK P SERIES	18 TON	118 HP D	122,753	22.97		6.34	10.70	4.44	500					
3070	MOD 100SC	50 TON	188 HP D	277,857	48.57		14.32	24.08	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	202,705	32.61	37.73	10.19	16.71	6.35	17.85					
3085	60-XC	60 TON W/104' BOOM	197/238 HP D/D	351,620	53.89	62.10	17.71	29.10	9.07	31.10					
GROVE															
3095	TMS185	18 TON W/106' BOOM	172 HP D	189,432	32.74	38.80	10.04	17.40	6.47	18.98					
3100	TMS300	35 TON W/112' BOOM	203 HP D	230,188	37.64	43.94	11.57	18.96	7.64	20.25					
3105	TMS475	50 TON W/142' BOOM	213 HP D	286,303	44.78	52.01	14.41	23.65	8.01	25.27					
3110	TM875	80 TON W/146' BOOM	196/268 HP D/D	424,923	62.69	71.49	20.77	32.90	9.24	34.79					
3115	TM1150	115 TON W/172' BOOM	196/315 HP D/D	653,013	89.60	101.13	31.99	50.90	9.57	53.85					
3120	TM1400	140 TON W/173' BOOM	318/387 HP D/D	767,184	108.06	121.96	36.76	56.90	14.66	59.72					
LINK BELT (FMC)															
3130	HTC-25	25 TON W/95' BOOM	216 HP D	187,432	34.64	41.35	9.92	17.18	8.13	18.74					
3135	HTC-35	35 TON W/108' BOOM	216 HP D	220,795	36.96	43.31	11.12	18.26	8.13	19.51					
3140	HTC-50	50 TON W/122' BOOM	244 HP D	269,172	44.12	51.54	13.55	22.25	9.18	23.77					
PETTIBONE															
3150	50TKLSPC	25 TON W/98' BOOM	210 HP D	194,232	35.16	41.89	10.29	17.85	7.90	19.48					
3155	80TKLS	40 TON W/112' BOOM	244 HP D	248,088	41.68	48.84	12.48	20.47	9.18	21.86					
3160	110 TK P	55 TON W/114' BOOM	238 HP D	268,788	43.84	51.21	13.52	22.19	8.95	23.72					
										830					

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL OWNER-SHIP	FUEL						
CRANES, HYDRAULIC TRUCK MTD (CONT'D)														

(HP & FUEL LISTED EQUIP/CARRIER)														
PETTIBONE (CONT'D)														
3165	160TKLSPC80 TON W/118' BOOM	365 HP D	435,905	69.63	80.70	21.31	33.77	13.73	35.71	18.07	1395			
CRANES, TRUCK MOUNTED														

(HP & FUEL LISTED EQUIP/CARRIER)														
AMERICAN														
3175	5470 65 TON W/170' BOOM	115/238 HP D/D	366,003	52.18	59.52	18.39	30.10	5.98	32.16	7.63	1175			
3180	5530 75 TON W/170' BOOM	115/238 HP D/D	377,298	52.49	59.31	18.48	29.36	5.98	31.05	7.63	1245			
3185	7460 90 TON W/200' BOOM	213/230 HP D/D	463,116	67.02	76.30	22.70	36.12	9.61	38.21	12.41	1503			
3190	7530 125 TON W/220' BOOM	213/350 HP D/D	529,746	76.13	86.46	25.95	41.27	10.45	43.66	13.39	1696			
3195	8460 165 TON W/240' BOOM	268/350 HP D/D	740,793	101.55	114.16	35.56	55.18	12.52	57.93	16.11	2320			
3200	9460 220 TON W/260' BOOM	287/450 HP D/D	997,123	134.49	150.74	47.74	73.78	13.93	77.43	17.86	3480			
LINK BELT (FMC)														
3210	HC108C 50 TON W/150' BOOM	110/238 HP D/D	311,528	45.47	51.99	15.64	25.56	5.79	27.29	7.38	1197			
3215	HC218A 100 TON W/220' BOOM	165/318 HP D/D	510,577	71.16	80.45	25.02	39.82	8.42	42.13	10.75	1688			
3220	HC238A 140 TON W/230' BOOM	171/318 HP D/D	576,822	78.01	87.43	27.66	42.85	8.65	44.99	11.05	2220			
LORAIN														
3230	MC550A 50 TON W/160' BOOM	115/246 HP D/D	335,098	48.57	55.51	16.83	27.52	6.04	29.40	7.69	1111			
3235	MC670A 70 TON W/170' BOOM	150/250 HP D/D	384,808	55.12	62.56	18.84	29.95	7.38	31.67	9.45	1243			
3240	MC790 90 TON W/220' BOOM	210/270 HP D/D	470,985	68.27	77.71	23.07	36.70	9.78	38.82	12.59	1594			
3245	MC1400 140 TON W/230' BOOM	220/290 HP D/D	574,344	79.79	89.82	27.54	42.66	10.29	44.78	13.24	1950			
P & H														
3255	325TC 25 TON W/110' BOOM	83/190 HP D/D	232,978	35.88	41.73	12.34	21.39	4.44	23.34	5.65	645			
3260	430ATC 35 TON W/150' BOOM	86/210 HP D/D	261,394	37.52	42.80	13.16	21.61	4.70	23.09	5.96	763			
3265	440TC 40 TON W/170' BOOM	90/228 HP D/D	293,768	41.87	47.72	14.78	24.25	4.97	25.91	6.31	964			
3270	650ATC 50 TON W/150' BOOM	135/236 HP D/D	378,068	54.55	62.34	19.00	31.11	6.72	33.23	8.60	1222			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT					
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNERSHIP	FUEL						
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	425,023	59.12	66.83	20.82	33.12	6.85	35.04	8.75	1440		
3280	790BTC	90 TON W/200' BOOM	160/350 HP D/D	465,769	66.19	74.97	22.80	36.22	8.46	38.31	10.76	1606		
3285	9115	125 TON W/220' BOOM	179/350 HP D/D	568,470	79.01	89.27	27.86	44.33	9.17	46.89	11.70	1709		
3290	9150	150 TON W/270' BOOM	210/350 HP D/D	602,691	83.09	93.39	28.91	44.80	10.34	47.02	13.24	1805		
3295	6250TC	300 TON W/320' BOOM	364/450 HP D/D	1,319,241	173.77	194.19	63.34	98.33	16.83	103.23	21.67	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			267,708	42.75		13.73	21.98	2.16		740			
OPT. 14'9-1/4" S16 TOWER SECT														
3310	ADD TO BASIC CRANE FOR EA SECT			11,657	1.51		0.60	0.96	0.00		51			
3315	TOP CLIMBING OPT. ADD TO BASIC			43,194	5.58		2.21	3.54	0.00		118			
MODEL SK200 FREE STANDING 105 HP E														
10600# @ 143' RADIUS (L-2)														
3320	7-S16 TOWER SECTS=103 FT HIGH			336,808	54.12		17.28	27.66	3.78		883			
14'9-1/4" S16 TOWER SECTION														
3325	ADD TO BASIC CRANE FOR EA SECT			11,657	1.51		0.60	0.96	0.00		51			
3330	TOP CLIMBING OPT. ADD TO BASIC			43,194	5.58		2.21	3.54	0.00		118			
MODEL SK400 FREE STANDING 105 HP E														
18500# @ 162' RADIUS (L-2)														
3335	6-S35 TOWER SECTS=116 FT HIGH			412,338	63.89		21.16	33.86	3.78		1216			
OPT. 19'4-1/4" S35 TOWER SECT.														
3340	ADD TO BASIC CRANE FOR EA SECT			14,758	1.92		0.76	1.22	0.00		84			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT			
			CONDITION	STAND BY	AVERAGE COND.	SEVERE COND.	OWNERSHIP	FUEL				
CRANES, TOWER (CONT'D)												

AMERICAN PECCO (CONT'D)												
OPT. 19'4-1/4" S35 TOWER SECT.												
3345	TOP CLIMBING OPT. ADD TO BASIC	44,771	5.80		2.30	3.68	0.00		223			
	MODEL SK560 FREE STANDING 165 HP E 24500# @ 170' RADIUS (L-2)											
3350	6-S213 TOWER SECTS=116 FT HIGH	477,705	75.58		24.51	39.22	5.94		1547			
	OPT. 19'4-1/4" S213 TOWER SECT											
3355	ADD TO BASIC CRANE FOR EA SECT	15,743	2.04		0.81	1.30	0.00		100			
3360	TOP CLIMBING OPT. ADD TO BASIC	85,045	11.00		4.36	6.98	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	506,288	79.28		25.97	41.57	5.94		2152			
	OPT. 19'4-1/4" SN35 TOWER SECT											
3370	ADD TO BASIC CRANE FOR EA SECT	14,758	1.92		0.76	1.22	0.00		84			
3375	TOP CLIMBING OPT. ADD TO BASIC	88,956	11.50		4.56	7.30	0.00		159			
DRILLS, BLAST HOLE, CRAWLER MTD												

GARDNER DENVER												
3385	AT3100B/PR123J 3.0" HOLE 12' FEED 600CFM A	71,190	15.65		4.35	8.59	0.00		91			
3390	AT3100B/PR55 3.5" HOLE 12' FEED 750CFM A	65,378	14.56		4.00	7.89	0.00		93			
3395	AT3100B/PR66 4.0" HOLE 12' FEED 900CFM A	74,394	16.67		4.55	8.98	0.00		95			
3400	AT3700A/PR66 ANGLE DRILL 4.0" HOLE 12' FEED	900CFM A	88,023	19.60		5.38	10.62	0.00	146			
3405	ATD5100/PR80H ANGLE DRILL 4.5" HOLE 20' FEED	1200CFM A	98,073	21.93		5.99	11.83	0.00	200			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL				
DRILLS, BLAST HOLE, CRLR MTD (CONT'D)												

INGERSOLL-RAND												
3415	ECM350/VL140	4.0" HOLE 12' FEED 750CFM A	80,566	17.81	4.92	9.72	0.00		129			
3420	ECM350/VL671	4.5" HOLE 12' FEED 900CFM A	87,787	19.52	5.36	10.59	0.00		131			
3425	CM2000/VL170	5.0" HOLE 24' FEED1400CFM A	99,820	22.48	6.10	12.05	0.00		170			
JOY												
3435	RAM STD/VCR260	4.0" HOLE 12' FEED 800CFM A	71,840	16.00	4.39	8.67	0.00		100			
3440	RAM EXT/VCR260	4.0" HOLE 12' FEED 800CFM A	81,793	18.14	5.00	9.87	0.00		111			
3445	MUSTANG VCR280	5" HOLE 23' FEED1200CFM A	99,991	22.32	6.11	12.06	0.00		184			
DRILLS, CORE, AIR, COLUMN MOUNTED												
3455	LONGYEAR 24 WOLVERINE AX	700' 450CFM A	17,480	4.07	1.07	2.11	0.00		12			
3460	LONGYEAR 65D	EX 600' 400CFM A	11,196	2.72	0.68	1.35	0.00		3			
3465	65D ROD PULLER	21" STROKE 400CFM A	1,670	0.61	0.10	0.20	0.00		1			
DRILLS, CORE, SKID MOUNTED												
ACKER												
3475	TEREDO MARK-II	NX 1000' MAX	44 HP D	26,537	8.25	1.62	3.20	2.05	45			
3480	ACE MODEL C	NX 725' MAX	20 HP D	18,629	5.16	1.14	2.25	0.93	45			
LONGYEAR												
3490	MOD 24 STD	AX 675' MAX	12 HP G	16,686	4.97	1.02	2.02	1.18	12			
3495	MOD 34	NX 1000' MAX	31 HP G	25,460	9.00	1.56	3.07	3.04	21			
3500	MOD 34	NX 1000' MAX	40 HP D	36,306	8.83	1.85	3.66	1.86	34			
3505	MOD 38	NX 1800' MAX	54 HP D	34,842	10.61	2.13	4.21	2.51	41			
3510	MOD 44	NX 2500' MAX	60 HP D	41,852	12.46	2.56	5.05	2.79	56			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT								
			CONDITION		STAND-BY	AVERAGE COND. OWNER-SHIP	SEVERE COND. OWNER-SHIP										
			AVERAGE	SEVERE													
DRILLS, CORE, SKID MOUNTED (CONT'D)																	
SPRAGUE AND HENWOOD																	
3520	MOD 37-H NX 400' MAX	18 HP G	15,915	5.46		0.98	1.92	1.76	18								
3525	MOD 40-CL NX 1050' MAX	49 HP D	24,591	8.11		1.50	2.96	2.28	27								
DRILLS, ROTARY																	
INGERSOLL-RAND																	
3535	MOD T4-BH 7-7/8" DRILLMASTER TRK. MOUNTED	304 HP D	311,043	66.95		16.48	28.65	14.15	550								
JOY-ROBBINS																	
3545	RRT 35 TK MTD 6-1/4" TO 7-7/8"	225 HP D	290,084	59.11		15.36	26.70	10.47	600								
3550	RRT 50 TK MTD 6-3/4" TO 9-0"	335 HP D	443,244	89.67		23.48	40.83	15.59	860								
3555	RRT 60 TK MTD 6-3/4" TO 9-7/8"	350 HP D	471,674	94.97		24.99	43.47	16.29	960								
3560	RR10S CRLR MTD 6-3/4" TO 9-0"	410 HP D	338,707	76.44		18.01	31.46	19.08	1160								
3565	RR10HD ON D9 6-3/4" TO 10-5/8"	410 HP D	374,560	82.02		19.91	34.78	19.08	1340								
3570	RR10XHD ON D9 9-7/8" TO 12-1/4"	410 HP D	565,248	94.99		27.81	44.65	19.08	1830								
3575	RR12E CRLR MTD 9-0" TO 12-1"	725/450 HP E/E	1,042,293	137.37		51.28	82.32	20.30	2605								
FORK LIFTS																	
CATERPILLAR																	
LC = LOAD CENTER																	
3595	M20 ELECT 2000# @ 24" LC	18 HP E	15,898	4.06		0.97	1.89	0.65	54								
3600	M25 ELECT 2500# @ 24" LC	18 HP E	15,982	4.07		0.97	1.89	0.65	54								
3605	MC30 ELECT 3000# @ 24" LC	18 HP E	16,918	4.25		1.02	1.99	0.65	85								
3610	M40B ELECT 4000# @ 24" LC	32 HP E	23,269	6.23		1.41	2.75	1.15	95								
3615	M50B ELECT 5000# @ 24" LC	32 HP E	23,767	6.32		1.44	2.81	1.15	102								
3620	MC60B ELECT 6000# @ 24" LC	47 HP E	26,218	7.59		1.59	3.11	1.69	123								
3625	M70B ELECT 7000# @ 24" LC	53 HP E	32,399	9.13		1.96	* 3.83	1.91	134								
3630	M80B ELECT 8000# @ 24" LC	53 HP E	33,906	9.42		2.06	4.02	1.91	142								

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

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

CATERPILLAR (CONT'D)													
3635	M100B ELECT 10000# @ 24" LC	53 HP E	35,840	9.78		2.18	4.27	1.91	160				
3640	V30D GAS 3000# @ 24" LC	37 HP G	15,195	6.64		0.93	1.82	2.95	37				
3645	V40C GAS 4000# @ 24" LC	48 HP G	20,180	8.72		1.22	2.37	3.83	11				
3650	V50C GAS 5000# @ 24" LC	48 HP G	20,624	8.82		1.23	2.38	3.83	45				
3655	V60E GAS 6000# @ 24" LC	63 HP G	28,469	11.83		1.73	3.36	5.03	2				
3660	V70E GAS 7000# @ 24" LC	63 HP G	28,806	11.89		1.74	3.40	5.03	1				
3665	V80E GAS 8000# @ 24" LC	63 HP G	29,960	12.12		1.82	3.54	5.03	1				
3670	V110 GAS 11000# @ 24" LC	66 HP G	43,096	14.99		2.61	5.09	5.27	1				
3675	V150 DIESEL 15000# @ 24" LC	70 HP D	46,426	12.37		2.81	5.49	2.63	102				
3680	V180B DIESEL 18000# @ 24" LC	125 HP D	61,459	17.95		3.70	7.17	4.70	111				
3685	V200B DIESEL 20000# @ 24" LC	125 HP D	66,951	19.02		4.04	7.83	4.70	124				
3690	V250B DIESEL 25000# @ 24" LC	125 HP D	68,890	19.38		4.16	8.09	4.70	134				
3695	V300B DIESEL 30000# @ 24" LC	125 HP D	77,230	21.06		4.65	9.01	4.70	153				
3700	R40 DIESEL 4000# @ 24" LC	68 HP D	27,216	8.53		1.63	3.17	2.56	107				
3705	R50 DIESEL 5000# @ 24" LC	68 HP D	27,891	8.66		1.68	3.25	2.56	112				
3710	R60 DIESEL 6000# @ 24" LC	68 HP D	33,695	9.79		2.03	3.95	2.56	1				
3715	R80 DIESEL 8000# @ 24" LC	68 HP D	35,018	10.07		2.11	4.09	2.56	1				
HYSTER - CHALLENGER													
3725	H30H 3000# @ 24" LC	63 HP G	25,680	11.28		1.55	3.03	5.03	1				
3730	H60C 6000# @ 24" LC	80 HP G	29,274	13.67		1.77	3.46	6.39	1				
3735	H110F 11000# @ 24" LC	116 HP G	44,765	20.26		2.72	5.31	9.26	163				
3740	H150H 15000# @ 24" LC	127 HP G	62,857	24.96		3.79	7.34	10.14	231				
3745	H200HS20000# @ 24" LC	PS 127 HP G	71,531	26.66		4.32	8.39	10.14	251				
3750	H250H 25000# @ 24" LC	PS 127 HP G	74,637	27.27		4.49	8.71	10.14	201				
3755	H300B 30000# @ 24" LC	PS 127 HP G	82,362	28.75		4.97	9.69	10.14	331				
3760	H460B 46000# @ 48" LC	PS 190 HP G	158,329	49.96		9.55	18.58	15.17	590				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT								
			CONDITION		STAND-BY	AVERAGE COND. OWNER-SHIP	SEVERE COND. OWNER-SHIP	FUEL									
			AVERAGE	SEVERE													
GENERATOR SETS, ELECTRIC *****																	
CATERPILLAR																	
T = TURBOCHARGED																	
TA = TURBOCHARGED AFTER COOLED																	
SKID MOUNTED																	
3775	MOD 3304 -T	240/480V 75 KW	129 HP	D	20,848	10.61	13.40	1.40	2.94	4.85	3.26	6.39	37				
3780	MOD 3306 -T	240/480V 130 KW	200 HP	D	24,580	14.76	18.73	1.65	3.47	7.52	3.84	9.90	46				
3785	MOD 3306 -TA	240/480V 150 KW	220 HP	D	27,979	16.45	20.83	1.87	3.95	8.28	4.36	10.89	48				
3790	MOD 3406 -T	240/480V 175 KW	260 HP	D	29,683	18.70	23.75	2.00	4.20	9.78	4.64	12.87	57				
3795	MOD 3406 -TA	240/480V 200 KW	295 HP	D	33,591	21.18	26.91	2.25	4.74	11.10	5.24	14.60	59				
3800	MOD 3408 -T	240/480V 225 KW	330 HP	D	39,255	24.06	30.55	2.63	5.54	12.41	6.13	16.33	72				
3805	MOD 3408 -TA	240/480V 265 KW	390 HP	D	42,675	27.61	35.13	2.86	6.02	14.67	6.66	19.30	81				
3810	MOD D353 -TA	240/480V 290 KW	425 HP	D	77,807	37.02	46.50	5.22	10.99	15.99	12.14	21.04	114				
3815	MOD 3412 -T	240/480V 300 KW	440 HP	D	58,876	33.53	42.46	3.95	8.32	16.55	9.19	21.78	91				
3820	MOD 3412 -TA	240/480V 440 KW	625 HP	D	68,450	44.27	56.32	4.58	9.66	23.51	10.68	30.94	102				
3825	MOD D348 -TA	240/480V 510 KW	730 HP	D	104,177	57.06	72.13	6.98	14.71	27.46	16.26	36.13	140				
3830	MOD D398B-TA	230/460V 565 KW	810 HP	D	154,578	71.94	90.26	10.37	21.84	30.47	24.12	40.09	208				
3835	MOD D399 -TA	230/460V 820 KW	1155 HP	D	200,851	98.25	123.58	13.46	28.36	43.45	31.34	57.17	268				
KOHLER																	
3845	2.25MBM25	PORTABLE 2.25 KW	5 HP	G	661	0.65	0.81	0.05	0.10	0.40	0.10	0.52	1				
3850	3.5MM65	PORTABLE 3.50 KW	8 HP	G	1,045	1.01	1.30	0.07	0.14	0.64	0.16	0.83	2				
3855	5MM65	PORTABLE 5.00 KW	12 HP	G	1,351	1.49	1.90	0.09	0.19	0.96	0.21	1.25	2				
ONAN																	
SKID MOUNTED																	
3870		120/240V 2.5 KW	6 HP	G	1,400	0.90	1.14	0.10	0.20	0.48	0.22	0.62	2				
3875		120/240V 6.5 KW	14 HP	G	3,142	2.08	2.64	0.21	0.44	1.12	0.50	1.46	3				
3880		120/240V 10.0 KW	20 HP	G	3,439	2.74	3.49	0.24	0.49	1.60	0.54	2.08	4				
3885		120/240V 3.0 KW	6 HP	D	3,640	1.08	1.33	0.24	0.51	0.23	0.57	0.30	4				
3890		120/240V 6.0 KW	12 HP	D	4,829	1.62	2.00	0.32	0.68	0.45	0.76	0.59	5				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT			
			CONDITION	STAND-BY	AVERAGE OWNER-SHIP	AVERAGE FUEL	SEVERE OWNER-SHIP	SEVERE FUEL				
GENERATOR SETS, ELECTRIC (CONT'D)												
ONAN (CONT'D)												
3895	120/240V 12.0 KW	22 HP D	6,950	2.56	3.18	0.46	0.98	0.83	1.09	1.09		
3900	120/240V 15 KW	27 HP D	7,180	2.34	3.54	0.48	1.01	1.02	1.12	1.34		
3905	120/240V 30 KW	63 HP D	10,634	5.29	6.66	0.71	1.50	2.37	1.66	3.12		
3910	120/240V 45 KW	87 HP D	14,061	7.16	9.02	0.94	1.98	3.27	2.19	4.31		
3915	120/240V 60 KW	102 HP D	16,138	8.33	10.49	1.08	2.28	3.84	2.51	5.05		
3920	120/240V 75 KW	162 HP D	19,196	11.79	14.98	1.29	2.71	6.09	3.00	8.03		
3925	120/240V 90 KW	162 HP D	20,101	11.99	15.21	1.35	2.84	6.09	3.13	8.09		
3930	120/240V 125 KW	210 HP D	23,384	14.96	19.02	1.57	3.30	7.90	3.65	10.38		
3935	120/240V 150 KW	276 HP D	27,758	19.00	24.22	1.86	3.92	10.38	4.33	13.66		
OVERLOWE												
3945	KP2250R PORTABLE	2.25 KW	5 HP G	832	0.59	0.86	0.06	0.12	0.40	0.13		
3950	KP3000R PORTABLE	3.00 KW	5 HP G	832	0.59	0.86	0.06	0.12	0.40	0.13		
3955	KP3750BIC PORTABLE	3.75 KW	7 HP G	1,015	0.31	1.16	0.07	0.14	0.56	0.15		
3960	KP5000BIC PORTABLE	5.00 KW	10 HP G	1,279	1.27	1.62	0.08	0.18	0.80	0.19		
3965	KP6500BICB PORTABLE	6.50 KW	16 HP G	1,629	1.95	2.48	0.11	0.23	1.28	0.25		
3970	KP7500BICB PORTABLE	7.50 KW	16 HP G	1,700	1.97	2.50	0.11	0.24	1.28	0.26		
GRADERS, MOTOR												
CATERPILLAR												
3985	MOD 120-G POWER SHIFT ARTIC	125 HP D	98,793	21.33	26.04	5.64	10.07	4.33	11.31	5.6		
3990	MOD 130-G POWER SHIFT ARTIC	135 HP D	112,331	23.90	29.14	6.42	11.47	4.68	12.88	6.15		
3995	MOD 12-G POWER SHIFT ARTIC	135 HP D	120,611	25.20	30.71	6.88	12.30	4.68	13.83	6.15		
4000	MOD 140-G POWER SHIFT ARTIC	150 HP D	122,760	26.25	32.04	7.00	12.50	5.20	14.04	6.83		
4005	MOD 14-G POWER SHIFT ARTIC	180 HP D	171,592	35.60	43.40	9.74	17.29	6.24	19.41	8.20		
4010	MOD 16-G POWER SHIFT ARTIC	250 HP D	245,732	50.70	61.80	13.93	24.70	8.66	27.72	11.38		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT								
			CONDITION		STAND BY	AVERAGE OWNER-SHIP	SEVERE OWNER-SHIP	FUEL COND.									
			AVERAGE	SEVERE													
GRADERS, MOTOR (CONT'D)																	
CHAMPION																	
4020	MOD 710A	ARTICULATED	125 HP D	96,375	20.95	25.62	5.49	9.79	4.33 11.00 5.69 296								
4025	MOD 715A	ARTICULATED	144 HP D	108,434	23.72	29.03	6.18	11.02	4.99 12.39 6.56 306								
4030	MOD 720A	ARTICULATED	148 HP D	115,052	24.99	30.55	6.55	11.68	5.13 13.12 6.74 340								
4035	MOD 740A	ARTICULATED	181 HP D	125,076	27.99	34.29	7.13	12.75	6.27 14.33 8.24 355								
4040	MOD 710	NON-ARTICULATED	125 HP D	90,641	20.06	24.55	5.16	9.20	4.33 10.33 5.69 280								
4045	MOD 715	NON-ARTICULATED	144 HP D	100,201	22.44	27.50	5.71	10.18	4.99 11.43 6.56 285								
4050	MOD 720	NON-ARTICULATED	148 HP D	105,054	23.41	28.68	5.98	10.64	5.13 11.95 6.74 315								
4055	MOD 740	NON-ARTICULATED	181 HP D	114,610	26.38	32.40	6.52	11.63	6.27 13.06 8.24 330								
4060	MOD 760	NON-ARTICULATED	230 HP D	144,233	33.54	41.25	8.17	14.46	7.97 16.23 10.47 390								
FIAT-ALLIS																	
4070	MOD-65B	DIRECT DRTVE	68 HP D	52,635	11.37	13.90	3.01	5.39	2.36 6.07 3.10 135								
4075	MOD-FG75	POWER SHIFT	130 HP D	75,763	17.94	22.09	4.31	7.66	4.50 8.60 5.92 300								
4080	MOD-FG85	POWER SHIFT	145 HP D	83,378	19.84	24.42	4.74	8.42	5.02 9.45 6.60 310								
4085	MOD-FG95	POWER SHIFT	160 HP D	87,465	21.28	26.27	4.95	8.74	5.54 9.80 7.29 330								
GALION																	
4095	MOD 503-L	CONSTANT MESH	68 HP G	45,258	12.99	16.06	2.58	4.63	5.02 5.20 6.50 115								
4100	MOD T-500C	POWER SHIFT	145 HP D	97,660	22.04	26.99	5.57	9.95	5.02 11.17 6.60 281								
4105	MOD T-600C	POWER SHIFT	186 HP D	112,132	26.18	32.19	6.39	11.40	6.44 12.81 8.47 321								
HOISTS																	
BEEBE - AIR TUGGERS																	
4115	2000P110-24	1.0 T 225 CFM RQD		5,253	1.19		0.33	0.64	0.00 5								
4120	5000P120-24	2.5 T 500 CFM RQD		9,578	2.17		0.59	1.16	0.00 16								
4125	10000P 60-30	5.0 T 500 CFM RQD		12,045	2.78		0.74	1.45	0.00 22								
4130	20000P 50-40	10.0 T 850 CFM RQD		30,042	6.58		1.83	3.61	0.00 55								

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES				ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL						
HOISTS (CONT'D)															
SKAGIT															
4140	BU-18 DOUBLE DRUM W/5/8" CABLE	100 HP D	66,981	18.45		4.09	8.06	3.76			85				
4145	G-70 DOUBLE DRUM W/7/8" CABLE	100 HP D	90,618	23.32		5.54	10.91	3.76			126				
4150	RB-80 DOUBLE DRUM W/1-1/8" CABLE	130 HP D	139,520	34.79		8.53	16.80	4.89			240				
4155	RB-90WDOUBLE DRUM W/1-3/8" CABLE	150 HP D	164,919	40.95		10.08	19.86	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	115,357	30.63	41.30	7.70	15.69	3.57	19.42	4.69				
4175	MOD 25A	1.38 CY B/H	185 HP D	194,528	47.54	60.69	11.88	23.43	6.41	27.48	8.42				
4180	MOD 480	2.00 CY B/H	300 HP D	287,116	71.27	91.01	17.54	34.59	10.39	40.55	13.66				
4185	MOD 680	4.00 CY B/H	456 HP D	458,074	105.35	130.16	26.03	50.18	15.80	56.95	20.77				
BADGER (HOPTO)															
4195	MOD 211	1.00 CY B/H	160 HP D	152,960	41.58	56.03	10.21	20.81	5.54	25.75	7.29				
4200	MOD 311	1.88 CY B/H	235 HP D	218,876	54.59	69.73	13.37	26.36	8.14	30.92	10.70				
4205	MOD 900B	2.00 CY B/H	308 HP D	264,153	62.59	77.47	15.01	28.94	10.67	32.84	14.03				
4210	MOD 1900	5.00 CY B/H	616 HP D	563,060	131.77	162.95	32.00	61.69	21.34	69.99	28.05				
BUCYRUS ERIE															
4220	MOD 300-H	1.00 CY B/H	176 HP D	173,671	46.98	63.31	11.58	23.62	6.10	29.23	8.02				
4225	MOD 325-H	1.75 CY B/H	205 HP D	240,248	57.75	73.69	14.68	28.94	7.10	33.93	9.34				
4230	MOD 350-H	2.50 CY B/H	248 HP D	303,241	72.46	92.41	18.53	36.53	8.59	42.82	11.29				
4235	MOD 400-H	4.25 CY B/H	392 HP D	507,405	112.07	138.09	28.84	55.59	13.58	63.08	17.85				
CASE															
4245	MOD 880C "E" BOOM .63 CY	B/H	125 HP D	101,658	28.40	38.23	6.78	13.83	4.33	17.11	5.69				
4250	MOD 980B	1.00 CY B/H	165 HP D	126,309	35.67	48.04	8.42	17.17	5.72	21.27	7.51				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES				ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL OWNER-SHIP	FUEL					
HYDRAULIC EXCAVATOR,CRLR MTD (CONT'D)														
***** T/B = TELESCOPING BOOM B/H = BACKHOE														
CATERPILLAR														
4260	MOD 215	.75 CY	B/H	90 HP	D	122,708	31.79	42.88	8.19	16.69	3.12	20.65	4.10	387
4265	MOD 225	1.00 CY	B/H	135 HP	D	151,744	40.28	54.31	10.12	20.64	4.68	25.54	6.15	504
4270	MOD 235	1.50 CY	B/H	195 HP	D	274,308	64.35	82.03	16.76	33.04	6.76	38.74	8.88	891
4275	MOD 245	2.50 CY	B/H	325 HP	D	427,316	101.10	128.92	26.11	51.47	11.26	60.35	14.80	1385
GRADALL														
4290	MOD G-660	.63 CY	T/B	115 HP	D	150,864	39.24	52.96	10.06	20.51	3.98	25.39	5.24	450
4295	MOD G-880B	.75 CY	T/B	160 HP	D	188,601	49.74	67.09	12.58	25.65	5.54	31.75	7.29	533
4300	MOD G-1000	1.25 CY	T/B	272 HP	D	255,277	63.58	81.20	15.59	30.75	9.42	36.05	12.39	787
INSLEY														
4315	MOD H1000C	1.25 CY	B/H	180 HP	D	144,506	37.06	47.37	8.83	17.41	6.24	20.41	8.20	517
4320	MOD H2500C	2.25 CY	B/H	290 HP	D	261,462	65.60	83.79	15.98	31.50	10.05	36.93	13.21	931
4325	MOD H3500C	3.50 CY	B/H	390 HP	D	367,371	85.48	105.69	20.88	40.25	13.51	45.67	17.76	1276
KOEHRING														
4335	MOD 166 BANTAM	.88 CY	B/H	108 HP	D	107,644	29.06	39.19	7.18	14.64	3.74	18.12	4.92	374
4340	MOD 266 BANTAM	1.13 CY	B/H	143 HP	D	142,750	38.53	51.95	9.52	19.41	4.95	24.03	6.51	514
4345	MOD 366 BANTAM	1.25 CY	B/H	210 HP	D	171,802	43.90	56.09	10.50	20.70	7.28	24.26	9.56	612
4350	MOD 566	1.50 CY	B/H	240 HP	D	250,657	61.33	78.28	15.31	30.19	8.32	35.40	10.93	834
4355	MOD 666E	2.00 CY	B/H	307 HP	D	312,232	76.72	97.94	19.08	37.61	10.64	44.09	13.98	1075
4360	MOD 866E	3.25 CY	B/H	332 HP	D	392,267	87.83	108.30	22.30	42.98	11.50	48.76	15.12	1306
4365	MOD 1066E	4.00 CY	B/H	420 HP	D	476,509	107.38	132.47	27.09	52.21	14.55	59.24	19.13	1640
4370	MOD 1166E	5.00 CY	B/H	464 HP	D	567,697	126.43	155.86	32.26	62.19	16.08	70.57	21.13	1890
4375	MOD 1266D	5.50 CY	B/H	760 HP	D	792,499	175.75	204.91	42.66	78.48	26.33	86.83	34.61	2507
4380	MOD 1466	6.50 CY	B/H	832 HP	D	912,930	200.67	233.70	49.13	90.39	28.83	100.02	37.89	2851

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT						
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.									
					OWNER-SHIP	FUEL	OWNER-SHIP	FUEL							
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	142,312	38.81	52.30	9.49	19.35	5.27	23.96	6.92					
4400	MOD H342	1.63 CY B/H	228 HP D	230,835	56.75	72.46	14.10	27.80	7.90	32.60					
4405	MOD H471	1.75 CY B/H	304 HP D	286,703	71.35	91.11	17.51	34.53	10.53	40.49					
HYDRAULIC EXCAVATOR, TRUCK MOUNTED															
***** (HP & FUEL LISTED EQUIP/CARRIER)															
T/B = TELESCOPING BOOM B/H = BACKHOE															
GRADALL															
4415	MOD G-660 .63 CY T/B	123/235 HP D/G	159,613	30.34	36.29	8.44	14.62	7.47	15.96	9.79					
4420	MOD G-880 .75 CY T/B	160/210 HP D/D	207,546	36.40	42.96	10.99	19.06	7.48	20.80	9.63					
4425	MOD G-1000 1.25 CY T/B	272/312 HP D/D	274,690	48.95	57.37	13.83	22.69	12.40	24.23	16.00					
LAND CLEARING EQUIPMENT															
***** (ADD TO TRACTOR)															
4435	FLECO LAND CLEARING RAKE FOR D-6		18,144	3.87	4.90	1.11	2.17	0.00	2.55	0.00					
4440	FLECO LAND CLEARING RAKE FOR D-7		23,915	5.10	6.45	1.46	2.87	0.00	3.37	0.00					
4445	FLECO LAND CLEARING RAKE FOR D-8		35,422	7.52	9.51	2.17	4.25	0.00	4.98	0.00					
4450	FLECO CLAMP RAKE FOR CAT 977 (ADD TO 977 LOADER)		18,119	3.99	5.02	1.11	2.17	0.00	2.55	0.00					
LIGHTING SETS, TRAILER MOUNTED															

ALLMAND METALLIC VAPOR															
4460	30' TOWER 4/1000W LTS 5 KW 11 HP D		13,214	5.04		0.87	1.72	0.54		24					
OVER-LOWE METALLIC VAPOR															
4470	28' TOWER 2/1000W 3 KW 6 HP D		9,691	3.55		0.64	1.23	0.30		25					
4475	28' TOWER 4/1000W 6 KW 17 HP D		12,533	5.15		0.82	1.59	0.84		25					

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE OWNER-SHIP	COND. FUEL	SEVERE OWNER-SHIP	COND. FUEL	
			AVERAGE	SEVERE					
	LIGHTING SETS, TRAILER MID (CONT'D)								

	OVER-LOWE METALLIC VAPOR (CONT'D)								
4480	28' TOWER 6/1000W 8 KW 15 HP D	16,797	6.44		1.10	2.15	0.74		24
	LOADERS, BELT								

	KOLMAN								
4490	101XHD 24"X50' 355 T/HR 28 HP D	30,321	8.27	10.79	1.82	3.26	1.05	3.76	1.39
	OPTIONAL EQUIPMENT SELECT AS NEEDED								
4500	PLATE FEEDER DOZER TRAP MODEL 45	5,740	1.19	1.52	0.35	0.64	0.00	0.75	0.00
4505	BELT FEEDER DOZER TRAP MODEL 65	8,195	1.71	2.16	0.50	0.92	0.00	1.07	0.00
4510	WING WALLS STATIONARY	1,285	0.27	0.34	0.08	0.15	0.00	0.17	0.00
4515	TUNNEL EXTENSION W/WING WALLS	6,826	1.43	1.81	0.42	0.77	0.00	0.90	0.00
4520	SINGLE DECK SCREEN SB-70 7'X42	5,566	1.17	1.47	0.35	0.63	0.00	0.73	0.00
4525	DOUBLE DECK SCREEN DC-70-42 7'X42	6,644	1.39	1.76	0.41	0.75	0.00	0.87	0.00
4530	TRIPLE DECK SCREEN TC-70-42 7'X42	8,664	1.80	2.29	0.53	0.97	0.00	1.13	0.00
4535	XHD CONVEYOR JACKLEG	1,031	0.22	0.28	0.07	0.12	0.00	0.14	0.00
4540	101XHD 30"X50' 615 T/HR 42 HP D	34,039	9.85	12.91	2.04	3.64	1.58	4.21	2.08
	OPTIONAL EQUIPMENT SELECT AS NEEDED								
4550	PLATE FEEDER DOZER TRAP MODEL 45	7,102	1.48	1.88	0.43	0.80	0.00	0.93	0.00
4555	BELT FEEDER DOZER TRAP MODEL 65	8,607	1.80	2.28	0.53	0.97	0.00	1.13	0.00
4560	WING WALLS STATIONARY	1,285	0.27	0.34	0.08	0.15	0.00	0.17	0.00
4565	TUNNEL EXTENSION W/WING WALLS	6,826	1.43	1.81	0.42	0.77	0.00	0.90	0.00
4570	SINGLE DECK SCREEN SB-80 8'X48	6,260	1.31	1.66	0.39	0.71	0.00	0.82	0.00
4575	DOUBLE DECK SCREEN DC-80-48 8'X48	7,767	1.62	2.06	0.47	0.87	0.00	1.02	0.00
4580	TRIPLE DECK SCREEN TC-80-48 8'X48	9,829	2.05	2.59	0.60	1.10	0.00	1.28	0.00
4585	XHD CONVEYOR JACKLEG	1,031	0.22	0.28	0.07	0.12	0.00	0.14	0.00
4590	101XHD 36"X50' 910 T/HR 56 HP D	39,009	11.82	15.50	2.33	4.14	2.11	4.77	2.77
	OPTIONAL EQUIPMENT SELECT AS NEEDED								
4600	PLATE FEEDER DOZER TRAP MODEL 45	7,617	1.59	2.01	0.47	0.86	0.00	0.99	0.00

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND BY	AVERAGE OWNER-SHIP	COND.	SEVERE OWNER-SHIP	COND.										
			AVERAGE	SEVERE															
LOADERS, BELT (CONT'D)																			
KOLMAN (CONT'D)																			
4605	BELT FEEDER DOZER TRAP MODEL 65	9,112	1.90	2.41	0.56	1.02	0.00	1.19	0.00	42									
4610	WING WALLS STATIONARY	1,285	0.27	0.34	0.08	0.15	0.00	0.17	0.00	9									
4615	TUNNEL EXTENSION W/WING WALLS	6,826	1.43	1.81	0.42	0.77	0.00	0.90	0.00	61									
4620	SINGLE DECK SCREEN SB-90 9'X54	7,090	1.48	1.88	0.43	0.80	0.00	0.93	0.00	28									
4625	DOUBLE DECK SCREEN DC-90-54 9'X54	9,292	1.94	2.46	0.57	1.05	0.00	1.22	0.00	43									
4630	TRIPLE DECK SCREEN TC-90-54 9'X54	12,370	2.58	3.27	0.75	1.39	0.00	1.62	0.00	54									
4635	XHD CONVEYOR JACKLEG	1,031	0.22	0.28	0.07	0.12	0.00	0.14	0.00	9									
4640	101XHD 42"X50' 1260 T/HR	84 HP D	47,553	15.33	20.22	2.82	5.00	3.16	5.78	4.16	180								
OPTIONAL EQUIPMENT SELECT AS NEEDED																			
4650	PLATE FEEDER DOZER TRAP MODEL 45	8,115	1.70	2.14	0.50	0.92	0.00	1.06	0.00	48									
4655	BELT FEEDER DOZER TRAP MODEL 65	10,449	2.18	2.77	0.64	1.18	0.00	1.37	0.00	45									
4660	WING WALLS STATIONARY	1,285	0.27	0.34	0.08	0.15	0.00	0.17	0.00	9									
4665	TUNNEL EXTENSION W/WING WALLS	6,826	1.43	1.81	0.42	0.77	0.00	0.90	0.00	61									
4670	SINGLE DECK SCREEN SB-100 60"X10'	8,862	1.85	2.34	0.54	1.00	0.00	1.16	0.00	37									
4675	DOUBLE DECK SCREEN DC-100 60"X10'	11,489	2.40	3.03	0.71	1.30	0.00	1.50	0.00	55									
4680	TRIPLE DECK SCREEN TC-100 60"X10'	15,446	3.23	4.07	0.95	1.74	0.00	2.01	0.00	68									
4685	XHD CONVEYOR JACKLEG	1,031	0.22	0.28	0.07	0.12	0.00	0.14	0.00	9									
4690	101XHD 48"X50' 1700 T/HR	125 HP D	82,784	24.87	32.46	4.96	8.90	4.70	10.29	6.19	265								
OPTIONAL EQUIPMENT SELECT AS NEEDED																			
4700	PLATE FEEDER DOZER TRAP MODEL 45	11,627	2.43	3.07	0.71	1.31	0.00	1.52	0.00	51									
4705	WING WALLS STATIONARY	1,285	0.27	0.34	0.08	0.15	0.00	0.17	0.00	9									
4710	TUNNEL EXTENSION W/WING WALLS	7,603	1.58	2.01	0.46	0.85	0.00	0.99	0.00	66									
4715	SINGLE DECK SCREEN SB-120 60"X12'	10,144	2.13	2.69	0.63	1.15	0.00	1.33	0.00	53									
4720	DOUBLE DECK SCREEN DC-120 60"X12'	14,046	2.93	3.71	0.86	1.58	0.00	1.83	0.00	77									
4725	TRIPLE DECK SCREEN TC-120 60"X12'	18,227	3.80	4.81	1.11	2.05	0.00	2.38	0.00	80									
4730	XHD CONVEYOR JACKLEG	1,031	0.22	0.28	0.07	0.12	0.00	0.14	0.00	9									
4735	303 48"X50' 2000 CY/HR	125 HP D	145,568	40.37	53.18	8.66	15.41	4.70	17.79	6.19	627								

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL				
LOADERS, BELT (CONT'D)												
KOLMAN (CONT'D)												
4740	303	48"X60' 2000 CY/HR	185 HP D	161,781	46.73	61.39	9.65	17.22	6.96	19.87	9.16	662
4745	303	60"X50' 3600 CY/HR	185 HP D	167,156	49.52	65.73	9.90	17.50	6.96	20.18	9.16	682
4750	303	60"X60' 3600 CY/HR	290 HP D	192,359	60.92	80.94	11.38	20.12	10.91	23.20	14.35	737
4755	404	48"X50' 2000 CY/HR	185 HP D	179,154	50.27	65.84	10.72	19.19	6.96	22.16	9.16	616
4760	404	48"X60' 2000 CY/HR	185 HP D	189,314	52.47	68.67	11.34	20.32	6.96	23.47	9.16	650
4765	404	60"X50' 3600 CY/HR	290 HP D	214,833	64.52	84.98	12.81	22.86	10.91	26.41	14.35	671
4770	404	60"X60' 3600 CY/HR	290 HP D	237,356	70.33	92.83	14.15	25.20	10.91	29.08	14.35	724
OPTIONAL EQUIPMENT SELECT AS NEEDED												
4780	SINGLE DECK SCREEN	SB-120 72"X12'		11,217	2.34	2.96	0.68	1.26	0.00	1.46	0.00	58
4785	DOUBLE DECK SCREEN	DC-120 72"X12'		14,959	3.13	3.95	0.92	1.69	0.00	1.95	0.00	85
4790	TRIPLE DECK SCREEN	TC-120 72"X12'		20,032	4.18	5.30	1.22	2.25	0.00	2.62	0.00	90
4795	SINGLE DECK VIBRATING GRIZZLE	72"W		22,782	4.75	6.01	1.39	2.56	0.00	2.97	0.00	80
LOADERS, FRONT END, CRAWLER TYPE												
CASE												
4805	350 B	3/4 CY	39 HP D	38,544	11.88	15.16	2.36	4.63	1.58	5.42	2.08	105
4810	450 B	1 CY	53 HP D	49,695	15.47	19.75	3.04	5.96	2.15	6.99	2.83	138
4815	850C	1-1/2 CY	78 HP D	66,964	21.22	27.09	4.10	8.04	3.17	9.41	4.17	211
4820	1150 C	1-3/4 CY	105 HP D	90,553	28.66	36.60	5.54	10.87	4.26	12.73	5.61	250
4825	1450 B	2-1/4 CY	140 HP D	106,500	34.63	44.27	6.51	12.78	5.68	14.97	7.48	310
CATERPILLAR												
4835	931B	1 CY	65 HP D	43,465	14.57	18.64	2.65	5.21	2.64	6.11	3.47	171
4840	943	1-1/2 CY	80 HP D	76,787	23.79	30.38	4.69	9.21	3.25	10.79	4.28	255
4845	953	2 CY	110 HP D	95,110	30.08	38.43	5.81	11.41	4.46	13.37	5.88	300
4850	963	2-1/2 CY	150 HP D	125,247	39.90	51.00	7.65	15.02	6.09	17.61	8.02	394
4855	973	3-3/4 CY	210 HP D	186,316	58.63	74.89	11.39	22.36	8.52	26.19	11.23	534

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT			
			CONDITION	STAND BY	AVERAGE COND.	SEVERE COND.						
		AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
LOADERS, F.E., CRAWLER TYPE (CONT'D)												
CATERPILLAR (CONT'D)												
4860	983B	4-1/2 CY	275 HP D	255,491	79.68	101.72	15.62	30.66	11.16	35.91	14.70	807
FIAT-ALLIS												
4870	FL9	1-5/8 CY	87 HP D	58,514	19.59	25.07	3.58	7.02	3.53	8.22	4.65	272
4875	FL10C	2 CY	122 HP D	73,951	25.44	32.58	4.52	8.88	4.95	10.40	6.52	310
4880	FL14C	2-5/8 CY	150 HP D	97,828	33.01	42.25	5.98	11.74	6.09	13.75	8.02	410
4885	FL20	3-1/2 CY	223 HP D	139,915	47.68	61.05	8.55	16.78	9.05	19.67	11.92	605
INTERNATIONAL												
4895	100-E	1-1/8 CY	65 HP D	50,422	16.32	20.86	3.08	6.05	2.64	7.09	3.47	161
4900	125-E	1-3/8 CY	78 HP D	60,411	19.57	25.00	3.70	7.25	3.17	8.49	4.17	199
4905	175-C	2 CY	130 HP D	97,964	31.93	40.81	5.98	11.75	5.28	13.77	6.95	338
4910	250-C	2-3/4 CY	190 HP D	138,860	45.57	58.28	8.49	16.66	7.71	19.52	10.16	452
JOHN DEERE												
4920	JD350-C	3/4 CY	42 HP D	37,067	11.68	14.91	2.27	4.45	1.70	5.21	2.25	119
4925	JD450-C	1-1/4 CY	65 HP D	48,478	15.84	20.25	2.96	5.82	2.64	6.82	3.47	165
KOMATSU												
4935	D31S-16	1.3 CY	63 HP D	46,225	15.16	19.39	2.83	5.55	2.56	6.50	3.37	156
4940	D53S-16	1.8 CY	110 HP D	80,338	26.37	33.71	4.91	9.64	4.46	11.29	5.88	300
4945	D57S-1	2.1 CY	135 HP D	97,567	32.11	41.05	5.97	11.71	5.48	13.71	7.22	337
4950	D75S-3	3.3 CY	200 HP D	143,730	47.35	60.56	8.78	17.24	8.12	20.20	10.69	503
4955	D155S-1	5.9 CY	350 HP D	280,083	90.07	115.09	17.12	33.61	14.21	39.37	18.71	950

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT					
			CONDITION		STAND BY	OWNER-SHIP	AVERAGE COND.	SEVERE COND.						
			AVERAGE	SEVERE			FUEL	OWNER-SHIP						
LOADERS, FRONT END, WHEEL TYPE														
(ARTIC = ARTICULATED)														
BOBCAT														
4965	MOD 310	5 C.F. SKID STEER	16 HP G	7,553	3.19	4.12	0.45	0.85	1.28	1.00	1.66	18		
4970	MOD 313	5 C.F. SKID STEER	13 HP D	9,390	2.55	3.27	0.57	1.07	0.49	1.25	0.64	19		
4975	MOD 540	6.5 C.F. SKID STEER	23 HP G	10,909	4.57	5.86	0.67	1.25	1.84	1.46	2.39	31		
4980	MOD 543	6.5 C.F. SKID STEER	19 HP D	12,826	3.50	4.48	0.78	1.47	0.71	1.72	0.94	33		
4985	MOD 610	9 C.F. SKID STEER	30 HP G	13,556	5.83	7.47	0.82	1.55	2.40	1.81	3.12	43		
4990	MOD 630	9 C.F. SKID STEER	30 HP G	12,968	5.71	7.34	0.78	1.48	2.40	1.73	3.12	34		
4995	MOD 641	10 C.F. SKID STEER	28 HP D	15,131	4.43	5.66	0.92	1.74	1.05	2.02	1.39	39		
5000	MOD 642	10 C.F. SKID STEER	32 HP G	13,869	6.10	7.83	0.84	1.59	2.56	1.85	3.33	38		
5005	MOD 742	10 C.F. SKID STEER	34 HP G	16,064	6.73	8.62	0.98	1.85	2.72	2.15	3.54	45		
5010	MOD 743	10 C.F. SKID STEER	36 HP D	17,218	5.25	6.71	1.05	1.98	1.35	2.31	1.78	46		
5015	MOD 825	12.5 C.F. SKID STEER	42 HP D	21,369	6.48	8.36	1.29	2.42	1.58	2.81	2.08	60		
5020	MOD 843	13.5 C.F. SKID STEER	54 HP D	22,216	7.27	9.40	1.34	2.52	2.03	2.93	2.67	63		
5025	MOD 974	33.8 C.F. SKID STEER	78 HP D	40,499	12.51	16.52	2.41	4.46	2.93	5.19	3.86	121		
CASE														
5035	W-14	1-1/2 CY ARTIC	83 HP D	62,607	16.80	21.58	3.78	7.12	3.12	8.29	4.11	137		
5040	W-18B	2 CY ARTIC	103 HP D	75,932	20.41	26.16	4.60	8.66	3.87	10.09	5.10	194		
5045	W-24 C	2-1/2 CY ARTIC	132 HP D	106,822	28.10	35.95	6.47	12.18	4.97	14.18	6.53	216		
5050	W-36	3-1/2 CY ARTIC	185 HP D	141,800	38.09	49.10	8.56	16.06	6.96	18.68	9.16	332		
CATERPILLAR														
5060	910	1-1/4 CY ARTIC	65 HP D	51,352	13.76	17.82	3.09	5.79	2.45	6.74	3.22	145		
5065	920	1-3/4 CY ARTIC	80 HP D	66,157	17.39	22.36	4.00	7.52	3.01	8.75	3.96	186		
5070	930	2-1/4 CY ARTIC	100 HP D	75,553	20.41	26.37	4.56	8.54	3.76	9.94	4.95	212		
5075	950-B	3 CY ARTIC	130 HP D	120,464	31.05	40.12	7.25	13.59	4.89	15.81	6.43	328		
5080	966-D	4 CY ARTIC	200 HP D	164,365	43.82	56.93	9.88	18.45	7.52	21.46	9.90	426		
5085	980-C	5-1/4 CY ARTIC	270 HP D	221,114	54.92	70.88	12.31	23.17	10.16	26.21	13.36	598		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
LOADERS, F.E., WHEEL TYPE (CONT'D)														
CATERPILLAR (CONT'D)														
5090	988-B	7 CY ARTIC	375 HP D	320,484	78.07	101.20	17.64	32.80	14.11	37.06	18.56	892		
5095	992-C	13 CY ARTIC	690 HP D	652,576	157.25	206.04	35.68	65.83	25.96	74.33	34.15	1916		
CLARK														
5105	35C	1-1/4 CY	82 HP D	59,420	16.19	20.89	3.59	6.73	3.08	7.83	4.06	177		
5110	45C	1-1/2 CY	107 HP D	68,498	19.27	24.79	4.15	7.79	4.03	9.06	5.30	192		
5115	55C	2 CY ARTIC	121 HP D	79,854	22.35	28.84	4.82	9.04	4.55	10.52	5.99	247		
5120	75C	2-1/2 CY ARTIC	154 HP D	116,647	31.75	41.29	7.01	13.08	5.79	15.22	7.62	313		
5125	125C	3-1/2 CY ARTIC	210 HP D	158,691	43.55	56.91	9.51	17.69	7.90	20.55	10.39	437		
5130	175C	4-1/2 CY ARTIC	273 HP D	212,044	53.50	69.23	11.79	22.17	10.27	25.09	13.51	565		
5135	275C	6-1/2 CY ARTIC	360 HP D	297,677	72.35	92.98	16.47	30.81	13.54	34.85	17.82	864		
5140	475C	12 CY ARTIC	612 HP D	566,313	136.12	177.22	31.09	57.62	23.02	65.09	30.29	1689		
FIAT-ALLIS														
5150	345-B	1-1/2 CY ARTIC	80 HP D	53,196	14.86	19.19	3.21	6.02	3.01	7.00	3.96	151		
5155	FR-10	2-1/4 CY ARTIC	102 HP D	69,410	19.12	24.55	4.20	7.90	3.84	9.21	5.05	212		
5160	FR-12	2-1/2 CY ARTIC	120 HP D	76,497	21.65	27.98	4.62	8.65	4.51	10.07	5.94	230		
5165	FR-15	3 CY ARTIC	155 HP D	107,345	30.09	39.30	6.43	11.97	5.83	13.92	7.67	296		
5170	FR-20	4 CY ARTIC	215 HP D	155,392	43.18	56.49	9.31	17.30	8.09	20.11	10.64	445		
5175	945-B	6 CY ARTIC	335 HP D	244,428	61.97	80.46	13.45	24.98	12.60	28.23	16.58	700		
INTERNATIONAL														
5185	510B	1-3/8 CY	80 HP D	49,251	14.66	19.58	2.91	5.34	3.01	6.20	3.96	140		
5190	515B	1-5/8 CY	100 HP D	60,294	17.49	22.76	3.62	6.76	3.76	7.86	4.95	167		
5195	520B	2-1/4 CY ARIIC	120 HP D	71,392	20.71	26.87	4.30	8.04	4.51	9.35	5.94	232		
5200	530	2-3/4 CY ARTIC	155 HP D	106,478	29.69	38.55	6.41	11.97	5.83	13.91	7.67	291		
5205	540	3-3/4 CY ARTIC	189 HP D	146,728	40.04	52.42	8.79	16.33	7.11	18.98	9.36	360		
5210	550	5-1/4 CY ARTIC	209 HP D	212,472	50.45	65.19	11.82	22.22	7.86	25.13	10.35	544		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION AVERAGE	SEVERE	STAND BY	AVERAGE COND. OWNER-SHIP	SEVERE COND. OWNER-SHIP	FUEL	FUEL				
LOADERS, F.E., WHEEL TYPE (CONT'D)													
INTERNATIONAL (CONT'D)													
5215	560B	7-1/2 CY ARTIC	415 HP D	305,481	76.39	98.10	16.92	31.67	15.61	35.82	20.54	830	
5220	570	12 CY ARTIC	590 HP D	626,416	143.58	183.56	34.74	65.11	22.20	73.64	29.20	1350	
TEREX (GM)													
5230	72-31B	3 CY ARTIC	160 HP D	106,502	29.96	38.93	6.41	11.97	6.02	13.93	7.92	309	
5235	72-51B	4 CY ARTIC	231 HP D	160,665	40.96	52.28	8.99	17.01	8.69	19.26	11.43	465	
5240	72-61	5-1/2 CY ARTIC	307 HP D	212,140	55.17	71.43	11.79	22.18	11.55	25.09	15.20	605	
5245	72-71B	7-1/2 CY ARTIC	388 HP D	305,431	75.07	96.36	16.92	31.67	14.60	35.81	19.21	857	
5250	72-81	9 CY ARTIC	434 HP D	425,756	100.70	130.64	23.42	43.50	16.33	49.15	21.48	1166	
TROJAN													
5260	1500	1-3/4 CY ARTIC	85 HP D	65,874	17.60	22.63	3.98	7.48	3.20	8.70	4.21	180	
5265	1900	2-1/4 CY ARTIC	117 HP G	75,766	27.53	35.56	4.57	8.57	9.34	9.96	12.18	212	
5270	2000	3 CY ARTIC	144 HP D	107,693	29.35	38.10	6.48	12.11	5.42	14.09	7.13	306	
5275	2500	4 CY ARTIC	182 HP D	132,520	36.70	47.95	7.94	14.77	6.85	17.17	9.01	393	
5280	3000	4-1/4 CY ARTIC	215 HP D	144,505	40.82	53.28	8.66	16.14	8.09	18.76	10.64	436	
5285	5500	5-1/2 CY ARTIC	285 HP D	212,435	54.15	70.08	11.81	22.21	10.72	25.13	14.11	636	
5290	7500	7 CY ARTIC	400 HP D	284,375	72.03	92.83	15.72	29.36	15.05	33.20	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	45,587	11.97	15.02	2.77	5.24	2.07	6.11	2.72	115	
5305	680H LDR/BHoe	1-1/4 CY FE BUCKET 30" B/H DIPPER	80 HP D	65,325	17.26	21.68	3.97	7.49	3.01	8.72	3.96	165	
JOHN DEERE													
5315	410B LDR/BH	1 CY FE BUCKET 24" B/H DIPPER	62 HP D	43,846	12.16	15.36	2.63	4.92	2.33	5.72	3.07	137	
5320	510 LDR/BHoe	1-1/2 CY FE BUCKET 24" B/H DIPPER	80 HP D	67,233	17.72	22.27	4.06	7.64	3.01	8.90	3.96	205	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT								
			CONDITION		STAND-BY	OWNER-SHIP	AVERAGE FUEL	SEVERE FUEL									
			AVERAGE	SEVERE													
LOADER/BACKHOE, CRLR TYPE TRACTOR *****																	
CASE																	
5330	350B LDR/BHOE 3/4 CY FE BUCKET 24" B/H DIPPER	39 HP D	49,623	14.67	18.69	3.04	5.96	1.58	6.98	2.08	141						
5335	450B LDR/BHOE 1 CY FE BUCKET 24" B/H DIP	53 HP D	60,665	18.23	23.24	3.71	7.28	2.15	8.52	2.83	167						
CATERPILLAR																	
5345	931BLDR/BHOE 1 CY FE BUCKET 30" B/H DIPPER	65 HP D	55,681	17.65	22.53	3.40	6.68	2.64	7.82	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		4,789	2.02		0.36	0.77	0.00		6							
5370	KENT RAM 999 W/NARROW CHISEL		9,946	4.19		0.75	1.60	0.00		10							
5375	KENT RAM 2000 W/CHISEL-MIN 3/4CY B/H		19,275	8.07		1.44	3.09	0.00		22							
5380	KENT KHP-12 HYDRA-PAK TAMPER		5,033	1.86		0.38	0.81	0.00		9							
5385	KENT KHP-25 HYDRA-PAK MIN 3/4CY B/H		7,896	2.88		0.60	1.27	0.00		15							
PILE EXTRACTORS *****																	
MKT CORPORATION																	
5395	E2 700 FT-LBS	400CFM A	13,774	4.66		1.03	2.21	0.00		27							
5400	E4 1000 FT-LBS	550CFM A	20,796	6.99		1.56	3.34	0.00		47							
VULCAN																	
5410	400A 500 FT-LBS	450CFM A	16,242	5.47		1.22	2.61	0.00		30							
5415	800A 1000 FT-LBS	900CFM A	22,078	7.55		1.65	3.54	0.00		57							
5420	1200A 1600 FT-LBS	1350CFM A	26,134	9.14		1.96	4.20	0.00		97							

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND BY	AVERAGE OWNER-SHIP	COND. FUEL OWNER-SHIP	SEVERE COND. FUEL											
			AVERAGE	SEVERE															
PILE HAMMERS, DIESEL ***** (FUEL NOT INCLUDED)																			
MKT CORPORATION																			
5430	DE-30B/20B (6-FT) 12,000 FT-LBS	35,688	11.51		2.67	5.73	0.00			74									
5435	DE-30B/20B (6-FT) 16,800 FT-LBS	37,074	11.96		2.78	5.96	0.00			82									
5440	DE-70B/50B (6-FT) 30,000 FT-LBS	63,877	20.56		4.79	10.26	0.00			138									
5445	DE-70B/50B (6-FT) 42,000 FT-LBS	67,952	21.87		5.09	10.92	0.00			158									
PILE HAMMERS, SINGLE ACTING *****																			
VULCAN																			
5455	1 15000 FT-LBS 750CFM A	35,693	11.86		2.67	5.73	0.00			101									
5460	06 19500 FT-LBS 900CFM A	40,912	13.60		3.06	6.57	0.00			121									
5465	08 26000 FT-LBS 1100CFM A	47,325	15.76		3.54	7.60	0.00			175									
5470	010 32500 FT-LBS 1350CFM A	51,870	17.34		3.88	8.33	0.00			195									
5475	012 39000 FT-LBS 1500CFM A	58,372	19.34		4.37	9.37	0.00			287									
5480	014 42000 FT-LBS 1750CFM A	69,351	23.16		5.19	11.14	0.00			283									
5485	016 48750 FT-LBS 1750CFM A	81,341	27.01		6.10	13.07	0.00			320									
5490	020 60000 FT-LBS 2150CFM A	96,147	31.94		7.20	15.44	0.00			425									
5495	030 90000 FT-LBS 2350CFM A	159,856	52.49		11.97	25.67	0.00			575									
PILE HAMMERS, DOUBLE ACTING *****																			
MKT CORPORATION																			
5505	9-B-3 8750 FT-LBS 900CFM A	26,241	8.90		1.97	4.22	0.00			74									
5510	10-B-3 13100 FT-LBS 1200CFM A	31,304	10.67		2.35	5.03	0.00			114									
5515	11-B-3 19150 FT-LBS 1200CFM A	42,487	14.26		3.19	6.83	0.00			141									
5520	5 (SELF STOP) 1000 FT-LBS 375CFM A	10,797	3.70		0.81	1.73	0.00			17									
5525	6 (SELF STOP) 2500 FT-LBS 600CFM A	13,617	4.69		1.02	2.19	0.00			31									
5530	7 (SELF STOP) 4150 FT-LBS 750CFM A	17,604	6.06		1.32	2.83	0.00			50									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE OWNER-SHIP	FUEL	SEVERE OWNER-SHIP	FUEL										
			AVERAGE	SEVERE															
PILE HAMMERS, DOUBLE ACTING (CONT'D)																			
VULCAN																			
5540	50C	15100 FT-LBS	1250CFM	A	45,570	15.26	3.41	7.32	0.00	153									
5545	65C	19200 FT-LBS	1450CFM	A	52,044	17.45	3.90	8.36	0.00	153									
5550	80C	24450 FT-LBS	1750CFM	A	56,006	18.87	4.19	8.99	0.00	184									
5555	100C	32900 FT-LBS	2050CFM	A	67,507	22.71	5.06	10.84	0.00	232									
5560	140C	36000 FT-LBS	2150CFM	A	84,694	28.27	6.34	13.60	0.00	287									
5565	200C	50200 FT-LBS	2550CFM	A	121,147	40.17	9.07	19.45	0.00	398									
PILE HAMMERS, VIBRATORY																			
MKT CORPORATION																			
5575	V5	WITH POWER PACK	59 HP	D	62,965	23.05	4.72	10.12	2.22	110									
5580	V16	WITH POWER PACK	156 HP	D	123,028	46.99	9.22	19.76	5.87	215									
5585	V20	WITH POWER PACK	295 HP	D	167,218	67.87	12.53	26.86	11.10	257									
PIPELAYER																			
CATERPILLAR																			
5595	561D	15 FT BOOM, 40,000 LB CAP	105 HP	D	110,316	21.15	6.41	10.71	2.18	11.92									
5600	571G	18 FT BOOM, 60,000 LB CAP	200 HP	D	177,107	34.84	42.71	10.30	17.21	4.16									
5605	572G	18 FT BOOM, 90,000 LB CAP	200 HP	D	202,704	39.07	47.85	11.79	19.69	4.16									
5610	583K	20 FT BOOM, 140,000 LB CAP	300 HP	D	255,700	50.59	62.05	14.86	24.83	6.24									
5615	594H	24 FT BOOM, 200,000 LB CAP	410 HP	D	356,954	70.38	86.31	20.76	34.67	8.52									
PUMPS, GROUT																			
CHEMGROUT																			
5625	CG-500	VERSATILE AIR OPERATED GROUT PLANT	100 PSI, 230 CFM		11,960	3.21	0.80	1.62	0.00	11									
5630	CG-550	AIR OPERATED MINI GROUT PLANT	100 PSI, 150 CFM		4,422	1.23	0.29	0.60	0.00	5									
5635	CG-600	AIR OPERATED COLLOIDAL MIXER AND PUMP	100 PSI, 450 CFM		17,661	4.82	1.18	2.40	0.00	18									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.			
			AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
PUMPS, GROUT (CONT'D) *****									
CHEMGROUT (CONT'D)									
5640	CG-620 COLLOIDAL ADD-ON TO CG-500	7,651	2.01		0.51	1.04	0.00		11
PUMPS, WATER (FOR CORE DRILLS) *****									
LONGYEAR									
5650	520 RQG 5.7-20 GPM UP TO 600PSI	10 HP G	6,471	2.78	0.40	0.78	1.10		7
5655	535 RQG 9.9-35 GPM UP TO 800PSI	15 HP G	8,183	3.87	0.50	0.99	1.65		10
PUMPS, WATER,CENTRIFUGAL,DEWATERING *****									
HOMELITE - SKID MOUNTED									
5665	MOD 110S 1-1/2"-5000 GPH @ 30' H	2 HP G	433	0.38	0.03	0.05	0.22		1
5670	MOD 111S 2" - 9000 GPH @ 22' H	3 HP G	548	0.55	0.03	0.06	0.33		1
5675	MOD 120S 3" - 18000 GPH @ 20' H	8 HP G	992	1.36	0.06	0.12	0.88		2
MARLOW - WHEEL MOUNTED									
5685	MOD 4D2 465 GPM @ 20' HEAD	43 HP G	8,595	8.02	0.53	1.04	4.73		14
5690	MOD 4C7 595 GPM @ 20' HEAD	30 HP D	4,955	3.18	0.30	0.59	1.57		10
5695	MOD 6E4A 1100 GPM @ 20' HEAD	79 HP G	11,371	13.82	0.70	1.37	8.70		15
5700	MOD 6E4A 1100 GPM @ 20' HEAD	60 HP D	16,389	7.73	1.01	1.98	3.15		24
5705	MOD 8FA3 2320 GPM @ 20' HEAD	70 HP D	21,035	9.40	1.29	2.53	3.67		23
5710	MOD 10FA61 2775 GPM @ 20' HEAD	68 HP D	22,372	9.53	1.36	2.69	3.57		30
PUMPS, WATER, CENTRIFUGAL, TRASH *****									
HOMELITE - SKID MOUNTED									
5720	MOD 121TP 2" - 11500 GPH @ 20' H	5 HP G	865	0.91	0.06	0.11	0.55		1
5725	MOD 120 3" - 23000 GPH @ 20' H	8 HP G	1,208	1.41	0.08	0.15	0.88		2
5730	MOD 160TP 4" - 36500 GPH @ 20' H	16 HP G	2,420	2.82	0.15	0.29	1.76		4

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

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

HOMELITE - SKID MOUNTED																	
5740	MOD 111DP 2" - 1900 GPH @ 10' HD	3 HP G	1,036	0.65		0.06	0.12	0.33	1								
5745	MOD 111DP 3" - 4800 GPH @ 10' HD	3 HP G	1,208	0.69		0.08	0.15	0.33	2								
PUMPS, WATER, SUBMERSIBLE																	

GORMAN-RUPP																	
5755	MOD S2A1 2" - 138 GPM @ 20' HD	2 HP E	1,533	0.35		0.09	0.18	0.07	2								
5760	MOD S3A1 3" - 278GPM @ 20' HD	5 HP E	2,123	0.61		0.13	0.26	0.18	3								
5765	MOD S4A1 4" - 860 GPM @ 40' HD	25 HP E	7,699	2.56		0.47	0.93	0.90	12								
5770	MOD S6A1 6" - 1950 GPM @ 40' HD	60 HP E	10,146	4.78		0.62	1.22	2.16	14								
HOMELITE																	
5780	MOD SP200 2" - 13000 GPH @ 10' HD	2 HP E	1,316	0.31		0.08	0.15	0.07	1								
5785	MOD SP300 3" - 19000 GPH @ 15' HD	4 HP E	1,623	0.47		0.10	0.20	0.14	1								
RIPPER & HYDRAULIC BANK SLOPER																	

(DOES NOT INCLUDE COST OF POINT WEAR)																	
ATECO																	
5795	VRAR-1 D9H RADIAL LIFT		41,195	10.39	14.07	2.76	5.79	0.00	7.21								
5800	D-9H SHANKS EA		3,261	0.82	1.11	0.22	0.46	0.00	0.57								
5805	LPAS-D8K PARALLEL LIFT		23,965	6.08	8.22	1.61	3.37	0.00	4.20								
5810	D-8K SHANKS EA		2,347	0.59	0.80	0.16	0.33	0.00	0.41								
5815	LPAS-D7G PARALLEL LIFT		19,717	5.01	6.77	1.32	2.77	0.00	3.45								
5820	D-7G SHANKS EA		1,418	0.36	0.48	0.10	0.20	0.00	0.25								
5825	PS D6D RADIAL LIFT		9,020	2.34	3.14	0.60	1.27	0.00	1.58								
5830	D-6C SHANKS EA		315	0.07	0.10	0.02	0.04	0.00	0.05								
5835	V-LPRF-TD25C PARALLEL LIFT STD SVC		20,719	5.26	7.11	1.39	2.91	0.00	3.62								
5840	TD-25C SHANKS EA		1,870	0.47	0.63	0.13	0.26	0.00	0.32								
5845	V-LPRF-TD20E PARALLEL LIFT STD SVC		15,047	3.85	5.18	1.01	2.12	0.00	2.63								

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
RIPPER & HYDR BANK SLOPER (CONT'D)														
(DOES NOT INCLUDE COST OF POINT WEAR)														
ATECO (CONT'D)														
5850	TD-20E SHANKS EA	1,350	0.34	0.46	0.09	0.19	0.00	0.24	0.00	4				
5855	PS-TD15C RADIAL LIFT	8,414	2.19	2.93	0.57	1.19	0.00	1.47	0.00	22				
5860	TD-15C SHANKS EA	293	0.07	0.10	0.02	0.04	0.00	0.05	0.00	1				
5865	V-LPRF 82-50 PARALLEL LIFT STD SVC	23,350	5.92	8.00	1.56	3.28	0.00	4.08	0.00	96				
5870	82-50 SHANKS EA	1,870	0.47	0.63	0.13	0.26	0.00	0.32	0.00	8				
5875	LPRS-82-50 PARALLEL LIFT EXT SVC	22,656	5.74	7.77	1.52	3.18	0.00	3.96	0.00	88				
5880	82-50 SHANKS EA	4,343	1.09	1.47	0.29	0.61	0.00	0.76	0.00	19				
5885	V-LPRF-82-30 PARALLEL LIFT	20,719	5.26	7.11	1.39	2.91	0.00	3.62	0.00	89				
5890	82-30 SHANKS EA	1,870	0.47	0.63	0.13	0.26	0.00	0.32	0.00	8				
5895	D9,D8;82-30,82-50;TD25 HYDR BANK SLOP	8,803	1.91	2.40	0.54	1.06	0.00	1.23	0.00	28				
CATERPILLAR														
5905	D-10 MULTI-SHANK BEAM	47,908	12.06	16.34	3.21	6.73	0.00	8.38	0.00	218				
5910	D-10 SHANKS EA	3,486	0.87	1.18	0.24	0.49	0.00	0.61	0.00	15				
5915	D-10 SINGLE-SHANK BEAM	50,809	12.80	17.33	3.41	7.15	0.00	8.89	0.00	209				
5920	D-9L MULTI-SHANK BEAM W/HYD-CONTROL	40,418	10.20	13.80	2.71	5.69	0.00	7.07	0.00	162				
5925	D-9L SHANKS EA	3,137	0.78	1.07	0.21	0.44	0.00	0.55	0.00	14				
5930	D-9L SINGLE-SHANK BEAM HYD-CNTL&SHANK	37,666	9.51	12.86	2.53	5.30	0.00	6.59	0.00	156				
5935	D-8L MULTI-SHANK BEAM HYD-CONTROL	27,173	6.88	9.31	1.82	3.82	0.00	4.76	0.00	98				
5940	D-8L SHANKS EA	1,756	0.43	0.60	0.11	0.24	0.00	0.31	0.00	7				
5945	D-8L SINGLE-SHANK BEAM HYD-CNTL&SHANK	26,468	6.70	9.06	1.77	3.72	0.00	4.63	0.00	101				
5950	D-7G MULTI-SHANK BEAM HYD-CONTROL	15,206	3.89	5.24	1.02	2.14	0.00	2.66	0.00	57				
5955	D-7G SHANKS EA	901	0.23	0.31	0.06	0.13	0.00	0.16	0.00	3				
5960	D-6D MULTI-SHANK BEAM HYD-CONTROL	9,502	2.45	3.30	0.63	1.33	0.00	1.66	0.00	34				
5965	D-6D SHANKS EA	457	0.11	0.16	0.03	0.06	0.00	0.08	0.00	1				
5970	D-4E MULTI-SHANK BEAM HYD-CONTROL	5,873	1.55	2.08	0.40	0.83	0.00	1.03	0.00	22				
5975	D-4E SHANKS EA	249	0.06	0.08	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		ADJUSTABLE ELEMENTS				CWT					
			CONDITION	STAND BY	AVERAGE COND.	SEVERE COND.								
					OWNER-SHIP	FUEL	OWNER-SHIP	FUEL						
RIPPER & HYDR BANK SLOPER (CONT'D)														
(DOES NOT INCLUDE COST OF POINT WEAR)														
CATERPILLAR (CONT'D)														
5980	D-3B FIVE-SHANK BEAM HYD-CONTROL	2,584	0.72	0.95	0.17	0.36	0.00	0.45	0.00					
5985	D-3B SHANKS EA	141	0.04	0.05	0.01	0.02	0.00	0.03	0.00					
FIAT-ALLIS														
5995	41-R W/HYD-CNTL AND 2 SHANKS	56,280	14.13	19.15	3.77	7.91	0.00	9.84	0.00					
6000	31-R W/HYD-CNTL AND 2 SHANKS	45,898	11.53	15.63	3.08	6.45	0.00	8.03	0.00					
6005	30-R W/HYD-CNTL AND 2 SHANKS	29,678	7.47	10.12	1.99	4.17	0.00	5.19	0.00					
6010	RP20B W/HYD-CNTL AND 3 SHANKS	27,936	7.04	9.52	1.88	3.93	0.00	4.88	0.00					
ROLLER, RUBBER TIRED, SELF-PROPELLED														
FERGUSON														
6020	MOD SP-912 12 TON 82 HP D	38,944	12.28		2.36	4.50	3.08		82					
6025	MOD SP-915 15 TON 85 HP D	40,102	12.68		2.43	4.64	3.20		105					
6030	MOD SP-1118 18 TON 85 HP D	49,041	14.63		2.96	5.67	3.20		111					
6035	MOD SP-1130 30 TON 125 HP D	79,518	23.15		4.79	9.13	4.70		228					
INGRAM														
6045	9-2800-P 12 TON 76 HP D	30,362	10.17		1.83	3.49	2.86		73					
6050	9-2800-PA 12 TON 76 HP D	32,714	10.67		1.98	3.77	2.86		86					
6055	9-3400-P 15 TON 78 HP D	33,553	10.92		2.02	3.86	2.93		97					
6060	11-2700 15 TON 107 HP G	32,301	17.66		1.94	3.69	8.55		89					
6065	11-2700 15 TON 76 HP D	35,901	11.39		2.16	4.12	2.86		91					
6070	13-2300 15 TON 107 HP G	33,709	17.98		2.03	3.84	8.55		86					
6075	13-2300 15 TON 76 HP D	37,339	11.70		2.24	4.26	2.86		90					
6080	9-6000 27 TON 117 HP D	81,771	23.30		4.92	9.35	4.40		205					

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.			
			AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
ROLLER, R/T, SELF-PROPELLED (CONT'D)									
TAMPO									
6090	SP-312	12 TON	68 HP D	33,653	10.49	2.04	3.88	2.56	66
6095	SP-518	15 TON	68 HP D	41,821	12.24	2.54	4.86	2.56	95
6100	SP-950	27 TON	130 HP D	85,272	24.62	5.14	9.80	4.89	198
6105	SP-1070 M	35 TON	130 HP D	103,844	29.09	6.15	11.48	4.89	258
ROLLER, RUBBER TIRED, TOWED									
FERGUSON									
6115	RT-100S	50 TON		57,336	11.83	3.16	5.40	0.00	200
6120	RT-120S	60 TON		66,694	14.57	3.88	7.12	0.00	218
SOUTHWEST									
6130	C 75	75 TON		71,259	14.75	3.93	6.70	0.00	408
6135	C 50	50 TON		63,184	13.18	3.54	6.17	0.00	344
6140	C 100XL	100 TON		99,287	20.77	5.64	10.01	0.00	601
TAMPO									
6150	R-13	14 TON		8,696	1.96	0.50	0.88	0.00	35
ROLLER, SHEEPSFOOT, DOUBLE DRUM, TOWED									
FERGUSON									
6160	MOD 112	40"X48" 3-7 TON		12,192	2.74	0.74	1.44	0.00	65
6165	MOD 112W	40"X48" 4.5-8 TON		15,571	3.47	0.95	1.84	0.00	91
6170	MOD 112W-48	48"X48" 5-10 TON		16,141	3.59	0.99	1.91	0.00	105
6175	MOD 120	60"X60" 8-18 TON		24,167	5.32	1.48	2.86	0.00	157
6180	MOD 120 MOD	60"X60" 8-18 TON		36,886	8.05	2.25	4.36	0.00	230
6185	MOD 120-RE	60"X60" 11-22.5TON		54,485	11.85	3.33	6.45	0.00	327
6190	MOD 22	60"X72" 16-20 TON		36,353	7.95	2.22	4.30	0.00	215
6195	MOD 22 MOD	60"X72" 16-20 TON		42,266	9.21	2.59	5.00	0.00	269

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		STAND-BY	ADJUSTABLE ELEMENTS				CWT				
			CONDITION	AVERAGE SEVERE		OWNER-SHIP	AVERAGE FUEL	COND. OWNER-SHIP	SEVERE FUEL					
ROLLER, SHEEPSFOOT, DD, TOWED (CONT'D)														
FERGUSON (CONT'D)														
6200	MOD 144-RE 60"X72" 19-24 TON	64,134	13.92		3.92	7.59	0.00			385				
TAMPO														
6210	H-1 TF 40"X48" 2.6TON	5,418	1.29		0.33	0.64	0.00			32				
6215	H-2 TF 40"X48" 5 TON	10,942	2.48		0.67	1.29	0.00			63				
ROLLER, SHEEPSFOOT, DD, SELF-PROPELLED														
CATERPILLAR														
6225	815 B 40"X38"	210 HP D	149,268	41.91		9.13	17.66	7.90		418				
6230	825C 51"X41.5"	310 HP D	225,065	62.88		13.75	26.63	11.66		633				
6235	825C W/S BLADE	310 HP D	236,977	65.44		14.49	28.04	11.66		684				
HYSTER														
6245	C455-B TANDEM 80"X80" ARTIC	330 HP D	246,712	68.48		15.09	29.20	12.41		573				
ROLLER, SMOOTH WHEEL, SELF-PROPELLED														
FERGUSON														
6255	3-5 TON TANDEM	39 HP D	24,150	7.02		1.48	2.86	1.47		73				
6260	4-6 TON TANDEM	39 HP D	29,280	8.11		1.79	3.46	1.47		92				
6265	5-8 TON TANDEM	85 HP D	40,299	12.63		2.46	4.76	3.20		121				
6270	8-10 TON TANDEM	85 HP D	43,567	13.34		2.66	5.15	3.20		162				
6275	8-12 TON TANDEM	85 HP D	46,989	14.08		2.88	5.56	3.20		164				
6280	10-14 TON TANDEM	85 HP D	51,623	15.08		3.16	6.11	3.20		206				
TNGRAM														
6290	12 TON EB 3 WHEEL 3" OVERLAP	107 HP G	52,176	21.82		3.19	6.17	8.55		194				
6295	12 TON EB 3 WHEEL 3" OVERLAP	85 HP D	55,777	15.97		3.41	6.60	3.20		196				
6300	14 TON EB 3 WHEEL 3" OVERLAP	107 HP G	55,464	22.53		3.39	6.56	8.55		221				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE OWNER-SHIP	COND. FUEL OWNER-SHIP	SEVERE COND. FUEL					
ROLLER, SMOOTH WHEEL,S/P (CONT'D)												

INGRAM (CONT'D)												
6305	14 TON EB 3 WHEEL 3" OVERLAP	85 HP D	59,064	16.67	3.61	6.98	3.20		223			
6310	4-6 TON FB 2 WHEEL	TANDEM G	24,509	10.61	1.50	2.90	4.31		82			
6315	6-9 TON GB 2 WHEEL	TANDEM G	34,879	18.11	2.14	4.13	8.55		133			
6320	6-9 TON GB 2 WHEEL	TANDEM D	38,480	11.83	2.35	4.55	2.86		135			
6325	8-12 TON HB 2 WHEEL	TANDEM G	42,365	19.71	2.59	5.01	8.55		171			
6330	8-12 TON HB 2 WHEEL	TANDEM D	45,966	13.44	2.81	5.44	2.86		173			
6335	10-14 TON HB 2 WHEEL	TANDEM G	46,380	20.58	2.84	5.49	8.55		258			
6340	10-14 TON HB 2 WHEEL	TANDEM D	50,000	14.30	3.05	5.91	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	12,557	6.10	0.84	1.74	1.98		31			
6355	CF-11 40HZ TF 30"X55"	5 TON 18 HP G	15,326	6.90	1.03	2.12	1.98		32			
6360	CH-47 27HZ 47"X74"	13 TON 43 HP D	31,701	11.98	2.12	4.38	2.26		130			
6365	CF-47 27HZ TF 47"X74"	13 TON 43 HP D	34,359	12.76	2.30	4.76	2.26		135			
6370	CK-51 25HZ 59"X83"	24 TON 95 HP D	49,138	20.40	3.28	6.79	4.98		221			
6375	CF-51 25HZ TF 59"X83"	24 TON 95 HP D	51,359	21.06	3.44	7.11	4.98		216			
FERGUSON												
6385	65 25HZ TF 60"X72" 11 TON	49 HP D	34,031	13.04	2.27	4.70	2.57		110			
6390	652 30HZ TF 44"X72" 11 TON	49 HP D	37,061	13.92	2.47	5.12	2.57		127			
6395	230 25HZ 66"X78" 20 TON	77 HP D	59,901	22.36	4.01	8.29	4.04		237			
6400	230T 25HZ TF 66"X78" 21 TON	77 HP D	65,138	23.87	4.35	9.01	4.04		268			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
ROLLER, VIBRATORY,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	30,568	11.18	2.04	4.22	1.89	80		
6415	C210A	30HZ	TF 58"X60"	9 TON	39 HP	D	36,468	13.11	2.44	5.05	2.05	100		
RAYGO														
6425	SF-54A	TF	38HZ 30"X54"	7.5TON	30 HP	D	18,140	7.20	1.21	2.51	1.57	48		
6430	SM-54A		38HZ 30"X54"	7.5TON	30 HP	D	16,490	6.72	1.10	2.28	1.57	48		
SOUTHWEST														
6440	756	25HZ	TF 66"X78"	23.5TON	75 HP	D	73,492	26.17	4.91	10.17	3.94	240		
6445	566	33HZ	TF 56"X72"	25.5TON	50 HP	D	56,083	19.49	3.75	7.76	2.62	165		
TAMPO														
6455	VC-80	27HZ	48"X60"	7.5TON	36 HP	D	22,742	8.93	1.52	3.15	1.89	71		
6460	VS-125	25HZ	TF 48"X72"	11 TON	60 HP	D	45,301	17.03	3.03	6.27	3.15	145		
6465	VC-400	23HZ	60"X84"	21.5TON	90 HP	D	61,531	23.68	4.12	8.52	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	55,407	20.81	3.68	7.59	3.83	126		
6480	CA-15A	42HZ	48"X66"	12 TON	73 HP	D	61,904	22.74	4.06	8.27	3.83	137		
6485	CA-15PD	29HZ	TF 53"X66"	13 TON	73 HP	D	69,523	24.90	4.63	9.56	3.83	151		
6490	CA-25A	40HZ	60"X84"	18 TON	125 HP	D	83,374	32.32	5.52	11.34	6.56	213		
6495	CA-25	28HZ	60"X84"	18 TON	125 HP	D	66,596	27.47	4.39	8.99	6.56	193		
6500	CA-25S	28HZ	61"X84"	22 TON	125 HP	D	70,566	28.62	4.66	9.54	6.56	216		
6505	CA-25PD	28HZ	68"X84"	22 TON	125 HP	D	80,528	31.50	5.33	10.92	6.56	240		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT								
			CONDITION		STAND-BY	AVERAGE OWNER-SHIP	COND. FUEL OWNER-SHIP	SEVERE COND. FUEL									
			AVERAGE	SEVERE													
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	74,276	29.70	4.91	10.06	6.56	235						
6515	CA-30D 28HZ	61"X84"	22 TON	125 HP	D	91,879	34.79	6.09	12.49	6.56	245						
FERGUSON																	
6525	SP 266 42HZ	48"X66"	15 TON	125 HP	D	78,576	30.89	5.25	10.87	6.56	213						
6530	SP 75BA 30HZ	60"X84"	18 TON	85 HP	D	69,631	25.74	4.60	9.44	4.46	197						
6535	SP 75D 30HZ	60"X84"	22.5 TON	120 HP	D	73,378	29.12	4.86	9.94	6.30	179						
6540	SP 75DT 30HZ TF	60"X84"	22.5 TON	120 HP	D	82,472	31.76	5.46	11.20	6.30	224						
INGERSOLL RAND																	
6550	SPF-56 30HZ TF	56"X84"	21 TON	115 HP	D	82,892	31.54	5.48	11.25	6.03	222						
6555	SP-60DD 25HZ	60"X100"	30 TON	210 HP	D	129,823	51.35	8.59	17.61	11.02	450						
RAYCO																	
6565	RASCAL 220A 30HZ TF	38"X48"	6 TON	70 HP	D	53,886	20.17	3.60	7.42	3.67	97						
6570	RASCAL 303A 38HZ	48"X66"	8 TON	70 HP	D	54,133	20.25	3.60	7.42	3.67	137						
6575	RASCAL 320A 25HZ TF	48"X60"	8 TON	80 HP	D	70,762	25.71	4.71	9.72	4.20	151						
6580	RASCAL 320S 25HZ	48"X60"	8 TON	80 HP	D	61,789	23.13	4.12	8.48	4.20	144						
6585	RUSTLER 304A 28HZ	48"X66"	8 TON	70 HP	D	58,006	21.41	3.80	7.73	3.67	130						
6590	RASCAL 400A 25HZ	59"X84"	13.5TON	88 HP	D	70,094	26.08	4.63	9.48	4.62	213						
6595	RUSTLER 404B 28HZ	59"X84"	13.5TON	88 HP	D	80,291	29.03	5.32	10.92	4.62	175						
6600	RASCAL 410A 25HZ	59"X84"	13.5TON	88 HP	D	76,257	27.88	5.05	10.34	4.62	230						
6605	RASCAL 420C 25HZ TF	60"X84"	16 TON	119 HP	D	89,321	33.66	5.92	12.16	6.24	225						
6610	RASCAL 4000 25HZ	60"X84"	20 TON	125 HP	D	76,010	30.20	5.03	10.30	6.56	224						
6615	RASCAL 510A 25HZ	60"X80"	22.5TON	119 HP	D	98,746	36.39	6.56	13.49	6.24	358						
6620	RASCAL 600A 25HZ	60"X100"	22.5TON	119 HP	D	85,832	32.64	5.69	11.70	6.24	316						
6625	RASCAL 450A 28HZ	59"X84"	28.5TON	125 HP	D	82,444	32.08	5.42	11.07	6.56	263						

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT					
			CONDITION	STAND BY	AVERAGE COND.	SEVERE COND.								
					OWNER-SHIP	FUEL	OWNER-SHIP	FUEL						
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	54,579	20.30	3.58	7.26	3.57	124		
6640	RS-16	26HZ	48"X24"	8 TON	68 HP	D	47,813	18.30	3.18	6.55	3.57	115		
6645	RS-16D	26HZ	48"X24"	8 TON	80 HP	D	57,991	22.02	3.86	7.95	4.20	123		
6650	RH-16A	26HZ	48"X24"	9 TON	75 HP	D	63,807	23.42	4.19	8.53	3.94	153		
6655	RP-16D	26HZ TF	48"X24"	9 TON	80 HP	D	63,748	23.69	4.24	8.75	4.20	127		
6660	RP-28D	25HZ TF	63"X84"	15 TON	110 HP	D	83,503	31.40	5.53	11.34	5.77	212		
6665	RS-28C	25HZ	60"X84"	15 TON	107 HP	D	69,638	27.18	4.60	9.41	5.61	202		
6670	RS-28D	25HZ	60"X84"	15 TON	107 HP	D	75,206	28.80	4.97	10.19	5.61	208		
6675	RH-28D	28HZ	60"X84"	22.5TON	110 HP	D	95,606	34.90	6.34	13.01	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	9,846	3.89	0.66	1.36	0.84	25		
6690	CC-10	50HZ	TANDEM	2 TON	34 HP	D	28,501	10.47	1.91	3.95	1.78	50		
6695	CC-21	50HZ	TANDEM	4 TON	71 HP	D	64,087	23.19	4.29	8.87	3.73	133		
6700	CC-42II	42HZ	TANDEM	12 TON	125 HP	D	82,336	31.98	5.50	11.39	6.56	200		
6705	CC-50A	40HZ	TANDEM	18 TON	155 HP	D	103,513	40.06	6.92	14.32	8.13	304		
6710	CC-50S	28HZ	TANDEM	22 TON	181 HP	D	118,971	46.24	7.96	16.46	9.50	342		
6715	CC-50PD	28HZ TF	TANDEM	22 TON	225 HP	D	134,804	53.68	9.01	18.65	11.81	419		
RAYGO														
6725	REBEL 1-36	40HZ	TANDEM	2 TON	16 HP	D	9,901	3.91	0.67	1.37	0.84	23		
6730	ROMPER 2-36	40HZ	TANDEM	4 TON	35 HP	D	23,970	9.23	1.60	3.32	1.84	40		
6735	RUSTLER 5604A	50HZ	TANDEM	5.5TON	70 HP	D	62,681	22.71	4.20	8.68	3.67	132		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION	AVERAGE	SEVERE	STAND-BY	OWNERSHIP	FUEL	OWNERSHIP				
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	83,382	31.63		5.58	11.54	6.03		250			
6745	RANGER 2-66 38HZ TANDEM	8 TON 119 HP D	99,827	36.65		6.67	13.81	6.24		215			
TAMPO													
6755	RS-03 60HZ	36"X24" 2 TON 14 HP D	9,899	3.78		0.67	1.37	0.73		23			
6760	RS-144A 50HZ	42"X48" 8 TON 52 HP D	50,087	17.89		3.35	6.93	2.73		100			
6765	RS-166A 36HZ	48"X66" 16 TON 80 HP D	76,001	27.23		5.08	10.52	4.20		192			
6770	RS-188A 36HZ	60"X84" 30 TON 156 HP D	102,254	39.77		6.84	14.15	8.19		310			
6775	RH-199 25HZ	60"X96" 45 TON 262 HP D	152,508	61.22		10.20	21.10	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	119,833	33.56	43.31	7.14	13.69	5.79	15.99	7.57			
6790	621-B 24 T	14-20 CY P.S. 330 HP D	242,506	65.18	85.10	14.32	28.19	11.43	33.06	15.03			
6795	623-B 25 T	22 CY P.S. 330 HP D	269,337	71.80	93.18	15.97	30.48	12.74	35.58	16.66			
6800	627-B 24 T	14-20 CY P.S. 225/225 HP D/D	282,903	82.26	107.85	16.83	33.39	16.48	39.20	21.38			
6805	627-B PP 24 T	14-20 CY P.S. 225/225 HP D/D	300,322	85.63	112.02	17.89	35.55	16.48	41.75	21.38			
6810	631-D 37.5T	21-31 CY P.S. 450 HP D	371,918	96.59	125.55	22.04	43.59	15.59	51.16	20.49			
6815	633-D 37.5T	34 CY P.S. 450 HP D	423,522	108.51	140.15	25.22	48.36	17.37	56.49	22.72			
6820	637-D 37.5T	21-31 CY P.S. 450/250 HP D/D	456,109	130.61	170.72	27.19	54.06	25.64	63.48	33.26			
6825	637-D PP 37.5T	21-31 CY P.S. 450/250 HP D/D	475,724	134.40	175.43	28.38	56.49	25.64	66.36	33.26			
6830	639-D 37.5T	24-34 CY P.S. 450/250 HP D/D	524,032	146.59	192.51	31.15	61.76	25.64	72.52	33.26			
6835	651-B 52 T	32-44 CY P.S. 550 HP D	477,923	123.37	160.62	28.28	55.82	19.06	65.51	25.05			
6840	657-B 52 T	32-44 CY P.S. 550/400 HP D/D	588,767	171.39	224.43	35.05	69.60	34.80	81.73	45.14			
										1516			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION	AVERAGE	SEVERE	STAND-BY	OWNER-SHIP	FUEL	OWNER-SHIP				
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	168,744	45.84	59.39	10.02	19.17	8.84	22.40	11.56	466		
6860	260B 25.0 I 15-21 CY P.S.	325 HP D	227,570	61.35	79.85	13.48	26.63	11.26	31.26	14.80	585		
6865	261B 26.5 I 23 CY P.S.	325 HP D	256,179	70.30	92.17	15.04	28.40	12.55	33.12	16.41	635		
6870	262B 25.0 T 15-21 CY P.S. 325/171 HP D/D	325/171 HP D/D	270,331	81.93	107.57	16.06	31.82	18.17	37.36	23.57	679		
6875	263-B 26.5 T 23 CY P.S. 325/171 HP D/D	325/171 HP D/D	322,599	91.61	119.26	19.28	38.43	18.17	45.16	23.57	742		
INTERNATIONAL													
6885	412B 13 T 11 CY P.S.	125 HP D	120,911	32.26	41.44	7.23	13.92	4.83	16.26	6.31	335		
6890	431B 24 T 14-21 CY P.S.	326 HP D	240,884	64.25	83.63	14.27	28.17	11.30	33.05	14.85	609		
6895	433B 24 T 14-21 CY P.S. 326/185 HP D/D	326/185 HP D/D	282,794	85.03	111.45	16.82	33.37	18.72	39.19	24.28	700		
6900	442B 25 T 22 CY P.S.	326 HP D	269,241	71.13	92.07	16.00	30.64	12.59	35.80	16.46	680		
JOHN DEERE													
6910	JD762A 13.7 T 11 CY P.S.	175 HP D	127,979	36.26	46.57	7.66	14.77	6.76	17.26	8.84	355		
6915	JD862 20.0 T 16 CY P.S.	250 HP D	173,517	47.76	61.83	10.32	19.75	9.65	23.07	12.62	492		
TEREX (GM)													
6925	S-23E 26.5T 23 CY P.S.	310 HP D	258,694	68.37	88.58	15.36	29.38	11.97	34.30	15.65	660		
6930	S-24B 40.8T 24-34 CY P.S.	475 HP D	399,920	103.98	135.48	23.65	46.66	16.46	54.76	21.63	955		
6935	TS-14B 23.5T 14-20 CY P.S. 144/144 HP D/D	144/144 HP D/D	256,170	68.81	90.13	15.26	30.30	10.55	35.57	13.69	544		
6940	TS-18 30 I 18-24 CY P.S. 295/225 HP D/D	295/225 HP D/D	338,116	96.68	126.28	20.16	40.11	19.05	47.11	24.71	721		
6945	TS-24 40 T 24-32 CY P.S. 394/225 HP D/D	394/225 HP D/D	447,747	124.97	163.33	26.69	53.08	22.67	62.35	29.41	960		
6950	TS-24B 40.8T 24-34 CY P.S. 475/242 HP D/D	475/242 HP D/D	511,756	143.72	188.07	30.48	60.57	26.26	71.12	34.07	1084		

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

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

ROME																			
6965	ROME 18T 12-17CY HYDR/CONTROL	73,908	13.60	16.30	4.07	7.56	0.00	8.54	0.00	235									
6970	ROME 27T 18-26CY HYDR/CONTROL	97,200	18.20	21.89	5.29	9.68	0.00	10.91	0.00	365									
SOUTHWEST																			
6980	SOUTHWEST DS18 DRAG SCRAPER 8.8 CY	37,857	7.07	8.49	2.07	3.79	0.00	4.27	0.00	137									
SOIL STABILIZER																			

BOMAG																			
6990	MOD MPH-50 12"DEEP BY 82"WIDE	152 HP D	92,314	26.35	34.10	5.59	10.94	5.87	12.81	7.67									
6995	MOD MPH-100 14.5"DEEP X 79"WIDE	304 HP D	144,448	44.67	58.01	8.74	17.04	11.74	19.95	15.35									
BROS																			
7005	MOD LSPRM-8A 19"DEEP X 99.75"WIDE	318 HP D	130,775	41.70	53.70	7.96	15.62	12.28	18.30	16.06									
TRACTOR, CRAWLER (DOZER)																			

CATERPILLAR																			
7015	D-3B P.S.	65 HP D	37,982	12.47	15.96	2.33	4.41	2.64	5.13	3.47									
7020	3P POWER ANGLE & POWER TILT		7,641	1.67	2.09	0.47	0.92	0.00	1.07	0.00									
7025	D-4E P.S.	80 HP D	51,939	16.58	21.21	3.18	6.03	3.25	7.02	4.28									
7030	4A ANGLE BLADE HYDRAULIC		9,192	1.99	2.50	0.56	1.10	0.00	1.29	0.00									
7035	4S STRAIGHT BLADE HYDRAULIC		7,190	1.57	1.99	0.44	0.86	0.00	1.02	0.00									
7040	D-5B P.S.	105 HP D	77,892	24.05	30.75	4.77	9.04	4.26	10.53	5.61									
7045	5A ANGLE BLADE HYDRAULIC		12,298	2.64	3.33	0.75	1.48	0.00	1.73	0.00									
7050	5S STRAIGHT BLADE HYDRAULIC		9,472	2.04	2.58	0.58	1.13	0.00	1.33	0.00									
7055	D-6D P.S.	140 HP D	105,230	32.40	41.42	6.44	12.21	5.68	14.23	7.48									
7060	6S STRAIGHT BLADE HYDRAULIC		12,471	2.67	3.37	0.77	1.50	0.00	1.75	0.00									
7065	6A ANGLE BLADE HYDRAULIC		14,086	3.01	3.80	0.86	1.69	0.00	1.98	0.00									
7070	D-7G P.S.	200 HP D	152,452	46.80	59.79	9.33	17.69	8.12	20.61	10.69									
										378									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	SEVERE COND.					
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRACTOR, CRAWLER (DOZER) (CONT'D)														
CATERPILLAR (CONT'D)														
7075	7S STRAIGHT BLADE HYDRAULIC	20,053	4.24	5.37	1.22	2.40	0.00	2.82	0.00	77				
7080	7U HYD. UNIVERSAL BLADE	21,969	4.64	5.88	1.34	2.63	0.00	3.09	0.00	84				
7085	7A ANGLE BLADE HYDRAULIC	17,503	3.72	4.70	1.07	2.10	0.00	2.46	0.00	68				
7090	D-8L P.S. 335 HP D	239,185	69.30	88.79	14.62	28.70	13.60	33.62	17.91	735				
7095	8S STRAIGHT BLADE HYDRAULIC	29,333	6.17	7.83	1.80	3.52	0.00	4.13	0.00	120				
7100	8U HYD. UNIVERSAL BLADE	32,336	6.80	8.61	1.98	3.88	0.00	4.54	0.00	133				
7105	8A ANGLE BLADE HYDRAULIC	29,528	6.21	7.87	1.80	3.54	0.00	4.15	0.00	133				
7110	PUSH PLATE USE W/8S	877	0.24	0.29	0.06	0.11	0.00	0.13	0.00	6				
7115	D-9L P.S. 460 HP D	319,684	84.00	104.67	18.18	34.93	18.67	39.62	24.59	1004				
7120	9S STRAIGHT BLADE HYDRAULIC	40,703	8.54	10.82	2.49	4.89	0.00	5.72	0.00	184				
7125	9U HYD. UNIVERSAL BLADE	43,017	9.01	11.44	2.63	5.16	0.00	6.05	0.00	195				
7130	9C CUSHION BLADE	35,833	7.52	9.54	2.19	4.30	0.00	5.04	0.00	160				
7135	REAR CUSHION PUSH BLOCK	10,540	2.31	2.90	0.65	1.27	0.00	1.48	0.00	41				
7140	FRONT PUSH PLATE	1,182	0.32	0.40	0.07	0.14	0.00	0.17	0.00	9				
7145	D-10 P.S. 700 HP D	535,469	137.21	170.73	30.45	58.52	28.41	66.37	37.42	1526				
7150	10S STRAIGHT BLADE HYDRAULIC	61,625	12.89	16.35	3.77	7.40	0.00	8.67	0.00	280				
7155	10U HYD. UNIVERSAL BLADE	67,562	14.11	17.91	4.13	8.10	0.00	9.50	0.00	286				
7160	FRONT PUSH PLATE	1,345	0.37	0.44	0.09	0.17	0.00	0.19	0.00	8				
7165	10C CUSHION BLADE	45,733	9.58	12.15	2.80	5.49	0.00	6.43	0.00	198				
FTAT-ALLIS														
7175	8-B P.S. 88 HP D	58,350	18.52	23.69	3.57	6.77	3.57	7.88	4.70	215				
7180	8-HA ANGLE BLADE HYDRAULIC	8,876	1.93	2.42	0.55	1.07	0.00	1.25	0.00	30				
7185	8-HSU SEMI-U BLADE HYDRAULIC	8,863	1.90	2.39	0.55	1.07	0.00	1.25	0.00	30				
7190	10-C P.S. 122 HP D	80,311	25.53	32.68	4.91	9.31	4.95	10.86	6.52	280				
7195	10-HA ANGLE BLADE HYDRAULIC	9,903	2.14	2.69	0.61	1.19	0.00	1.39	0.00	36				
7200	10-HSU SEMI-U BLADE HYDRAULIC	12,066	2.56	3.23	0.74	1.45	0.00	1.69	0.00	38				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES				ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-	AVERAGE COND.	SEVERE COND.	OWNER-	FUEL	OWNER-	FUEL	
			AVERAGE	SEVERE	BY	SHIP					
TRACTOR, CRAWLER (DOZER) (CONT'D)											
FIAT-ALLIS (CONT'D)											
7205	14-C P.S.	150 HP D	103,457	32.53	41.50	6.33	12.01	6.09	13.99	8.02	335
7210	14-HA ANGLE BLADE HYDRAULIC		15,127	3.23	4.07	0.93	1.82	0.00	2.12	0.00	51
7215	14-HSU SEMI-U BLADE HYDRAULIC		15,104	3.19	4.03	0.93	1.82	0.00	2.12	0.00	51
7220	FD 20 P.S.	223 HP D	155,395	48.71	62.29	9.50	18.02	9.05	21.00	11.92	535
7225	20-HA ANGLE BLADE HYDRAULIC		16,204	3.44	4.36	0.99	1.94	0.00	2.28	0.00	66
7230	20-HS STRAIGHT BLADE HYDRAULIC		16,989	3.60	4.57	1.03	2.03	0.00	2.39	0.00	66
7235	20-HSU SEMI-U BLADE HYDRAULIC		22,969	4.81	6.10	1.40	2.75	0.00	3.22	0.00	79
7240	FD 30 P.S.	300 HP D	247,673	69.37	88.81	15.13	29.71	12.18	34.81	16.04	775
7245	30HSU HYD. SEMI-UNIVERSAL BLADE		32,134	6.72	8.52	1.96	3.85	0.00	4.51	0.00	127
7250	30-HU FULL-U BLADE HYDRAULIC		32,486	6.80	8.63	1.99	3.90	0.00	4.57	0.00	114
7255	31 P.S.	425 HP D	291,619	85.32	109.37	17.81	34.98	17.25	41.00	22.72	908
7260	31-HSU SEMI-U BLADE HYDRAULIC		48,365	10.10	12.82	2.96	5.81	0.00	6.80	0.00	190
7265	31-HU FULL-U BLADE HYDRAULIC		49,686	10.37	13.17	3.04	5.96	0.00	6.99	0.00	210
7270	31-RC CUSHION BLADE		31,046	6.53	8.28	1.90	3.73	0.00	4.37	0.00	120
7275	FD 40 P.S.	455 HP D	354,989	90.51	112.59	20.18	38.79	18.47	44.00	24.32	1128
7280	41-HSU SEMI-U BLADE HYDRAULIC		55,921	11.67	14.81	3.42	6.71	0.00	7.86	0.00	222
7285	41-HU FULL-U BLADE HYDRAULIC		63,762	13.29	16.89	3.89	7.65	0.00	8.97	0.00	254
7290	41-HC CUSHION BLADE		35,452	7.44	9.43	2.17	4.25	0.00	4.98	0.00	120
INTERNATIONAL											
7300	TD-7-E P.S. W/HYD BLADE	65 HP D	47,610	14.74	18.84	2.91	5.52	2.64	6.43	3.47	139
7305	TD-8-E P.S. W/HYD BLADE	78 HP D	59,686	18.30	23.39	3.65	6.92	3.17	8.07	4.17	172
7310	TD-12 P.S. W/HYD BLADE	110 HP D	87,197	26.53	33.89	5.34	10.12	4.46	11.79	5.88	267
7315	TD-15-C P.S.	140 HP D	114,316	34.55	44.13	6.99	13.26	5.68	15.45	7.48	271
7320	15D-2 HYD. SEMI-UNIVERSAL BLADE		12,373	2.62	3.32	0.75	1.48	0.00	1.74	0.00	46
7325	15G-2 ANGLE BLADE HYDRAULIC		13,938	2.94	3.73	0.85	1.67	0.00	1.96	0.00	50
7330	TD-20-E P.S.	210 HP D	173,633	52.33	66.85	10.62	20.14	8.52	23.47	11.23	476

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES				ADJUSTABLE ELEMENTS				CWT										
			CONDITION		STAND-BY	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL												
			AVERAGE	SEVERE																	
TRACTOR, CRAWLER (DOZER) (CONT'D)																					
INTERNATIONAL (CONT'D)																					
7335	20D-2 HYD. SEMI-UNIVERSAL BLADE	21,736	4.57	5.78	1.33	2.61	0.00	3.05	0.00	61											
7340	20G-2 ANGLE BLADE HYDRAULIC	14,914	3.15	3.98	0.91	1.79	0.00	2.09	0.00	71											
7345	TD-25-E P.S. 310 HP D	229,617	65.94	84.46	14.03	27.55	12.58	32.28	16.57	700											
7350	25D-2 HYD. SEMI-UNIVERSAL BLADE	27,061	5.66	7.20	1.65	3.24	0.00	3.81	0.00	113											
7355	25G-2 ANGLE BLADE HYDRAULIC	22,515	4.72	6.00	1.37	2.70	0.00	3.17	0.00	115											
7360	FRONT PUSHER CUSHION	9,311	2.02	2.54	0.57	1.12	0.00	1.31	0.00	29											
7365	REAR PUSHER CUSHION	5,457	1.27	1.57	0.34	0.66	0.00	0.77	0.00	23											
7370	FRONT PUSH BLK FOR S/BLD	918	0.27	0.32	0.06	0.11	0.00	0.13	0.00	12											
JOHN DEERE																					
7380	JD350C/6305 D.D. W/HYD BLADE	42 HP D	32,235	9.88	12.63	1.97	3.74	1.70	4.36	2.25	107										
7385	JD450C/6405 D.D. W/HYD BLADE	65 HP D	46,724	14.54	18.58	2.86	5.42	2.64	6.32	3.47	143										
7390	JD550/6405 P.S. W/HYD BLADE	72 HP D	55,871	17.09	21.83	3.42	6.49	2.92	7.56	3.85	156										
KOMATSU																					
7400	D31A-16 H.S. 63 HP D	39,153	12.64	16.18	2.40	4.54	2.56	5.29	3.37	128											
7405	ANGLE TILTDZER BLADE		6,342	1.37	1.72	0.39	0.76	0.00	0.89	0.00	20										
7410	D45A-1 H.S. 90 HP D	58,854	18.74	23.99	3.60	6.82	3.65	7.96	4.81	200											
7415	ANGLE TILTDZER BLADE		4,611	1.00	1.27	0.28	0.55	0.00	0.65	0.00	24										
7420	D53A-16A H.S. 118 HP D	85,583	26.57	33.98	5.24	9.93	4.79	11.57	6.31	246											
7425	ANGLE TILTDZER BLADE		7,695	1.64	2.09	0.47	0.92	0.00	1.09	0.00	42										
7430	D65E-6 H.S. 155 HP D	120,337	36.77	47.00	7.36	13.96	6.29	16.27	8.29	377											
7435	ANGLE TILTDZER BLADE		10,097	2.15	2.72	0.62	1.21	0.00	1.42	0.00	61										
7440	D85A-18 H.S. 220 HP D	151,578	47.65	60.95	9.27	17.58	8.93	20.50	11.76	437											
7445	ANGLE TILTDZER BLADE		15,829	3.34	4.22	0.97	1.90	0.00	2.22	0.00	99										
7450	U-DOZER BLADE		16,876	3.55	4.51	1.03	2.02	0.00	2.38	0.00	104										
7455	D155A-1 H.S. 320 HP D	217,131	63.72	81.68	13.27	26.05	12.99	30.53	17.11	690											
7460	ANGLE TILTDZER BLADE		21,759	4.57	5.79	1.33	2.61	0.00	3.06	0.00	140										

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT			
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNERSHIP	FUEL				
TRACTOR, CRAWLER (DOZER) (CONT'D)												
KOMATSU (CONT'D)												
7465	U-DOZER BLADE	22,934	4.81	6.10	1.40	2.75	0.00	3.22	0.00			
7470	D355A-3 H.S. 410 HP D	292,583	84.77	108.63	17.87	35.10	16.64	41.13	21.92			
7475	U-DOZER BLADE	29,621	6.21	7.87	1.81	3.56	0.00	4.17	0.00			
7480	STRAIGHT DOZER BLADE	27,015	5.66	7.18	1.65	3.24	0.00	3.80	0.00			
7485	D455A-1 H.S. 620 HP D	516,961	129.71	161.20	29.39	56.49	25.17	64.08	33.15			
7490	FULL U-DOZER BLADE	69,347	14.45	18.34	4.24	8.32	0.00	9.74	0.00			
7495	U-DOZER BLADE	65,143	13.57	17.25	3.98	7.81	0.00	9.16	0.00			
7500	STRAIGHT DOZER BLADE	60,937	12.71	16.14	3.73	7.31	0.00	8.57	0.00			
TEREX (GM)												
7510	82-20B P.S. (W/O BLADE) 205 HP D	174,509	52.27	66.76	10.67	20.24	8.32	23.59	10.96			
7515	SEMI-U BLADE HYDRAULIC	15,579	3.29	4.16	0.96	1.87	0.00	2.19	0.00			
7520	ANGLE BLADE HYDRAULIC	17,472	3.67	4.66	1.06	2.09	0.00	2.45	0.00			
7525	FULL-U BLADE HYDRAULIC	17,869	3.76	4.76	1.09	2.14	0.00	2.51	0.00			
7530	82-30B P.S. (W/O BLADE) 260 HP D	206,854	58.42	74.80	12.64	24.82	10.55	29.08	13.90			
7535	SEMI-U BLADE HYDRAULIC	22,097	4.64	5.89	1.35	2.65	0.00	3.11	0.00			
7540	ANGLE BLADE HYD. W/DUAL TILT	28,964	6.06	7.69	1.77	3.47	0.00	4.07	0.00			
7545	FULL-U BLADE HYDRAULIC	25,107	5.26	6.68	1.53	3.01	0.00	3.53	0.00			
7550	REAR CUSHION PUSH BLOCK	7,270	1.63	2.04	0.44	0.87	0.00	1.02	0.00			
7555	82-50 P.S. (W/O BLADE) 370 HP D	291,988	82.61	105.79	17.84	35.03	15.02	41.04	19.78			
7560	SEMI-U BLADE HYDRAULIC	28,864	6.05	7.67	1.77	3.47	0.00	4.06	0.00			
7565	FULL-U BLADE HYDRAULIC	31,633	6.61	8.39	1.93	3.79	0.00	4.44	0.00			
7570	ANGLE BLADE HYDRAULIC	28,412	5.95	7.55	1.74	3.41	0.00	4.00	0.00			
7575	PUSH PLATE (WELD ON)	1,178	0.29	0.37	0.07	0.14	0.00	0.17	0.00			
7580	PUSH BLOCK (CUSHION REAR)	6,646	1.49	1.86	0.41	0.80	0.00	0.93	0.00			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.						
			AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRACTOR, WHEEL TYPE (DOZER)													
CATERPILLAR													
7590	814-B ARTICULATED ST BLADE P.S. 210 HP D	157,067	40.56	53.21	9.44	18.33	7.90	21.44	10.39	494			
7595	824-C ARTICULATED ST BLADE P.S. 300 HP D	231,524	60.78	81.62	13.76	26.44	11.29	30.90	14.85	624			
CLARK													
7605	280B ARTICULATED ST BLADE P.S. 302 HP D	253,254	65.03	87.14	15.07	29.00	11.36	33.88	14.95	749			
7610	380B ARTICULATED ST BLADE P.S. 572 HP D	430,371	111.45	149.09	25.36	48.28	21.52	56.33	28.31	1253			
TRACTOR, WHEEL TYPE (FARM)													
JOHN DEERE													
7620	MOD 301 A 43 HP D	13,650	4.71	6.21	0.82	1.58	1.62	1.86	2.13	38			
7625	MOD 302 50 HP D	15,369	5.36	7.03	0.92	1.79	1.88	2.10	2.47	42			
7630	MOD 401 B 62 HP D	17,362	6.32	8.29	1.04	2.01	2.33	2.35	3.07	45			
TRENCHER, CHAIN - DITCH WITCH													
7640	MOD C99 6"X24" TRENCH 9 HP G	3,434	1.72	2.23	0.20	0.39	0.72	0.46	0.94	6			
7645	MOD 2200 8"X36" TRENCH 18 HP G	15,231	5.31	6.81	0.93	1.79	1.44	2.09	1.87	30			
7650	MOD 2300 10"X36" TRENCH 28 HP G	17,435	6.86	8.80	1.06	2.05	2.24	2.39	2.91	33			
7655	MOD 6510 12"X54" TRENCH 64 HP D	38,411	11.69	15.04	2.32	4.49	2.41	5.26	3.17	72			
7660	MOD R100 10"X72" TRENCH 101 HP D	82,748	23.38	30.00	5.02	9.72	3.80	11.37	5.00	95			
TRENCHER, WHEEL TYPE													
BARBER-GREENE													
7670	MOD TA 56 16"X5'-10" TRENCH 100 HP D	135,101	34.90	44.63	8.26	16.10	3.76	18.85	4.95	250			
7675	MOD TA 65 28"X7'-6" TRENCH 175 HP D	194,937	51.84	66.34	11.91	23.23	6.58	27.20	8.66	431			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT			
			CONDITION	AVERAGE	SEVERE	STAND-BY	OWNER-SHIP	FUEL				
TRENCHER, WHEEL TYPE (CONT'D)												
CLEVELAND												
7685	MOD 247-HD-1 21"X7' TRENCH	84 HP D	143,820	36.08	46.07	8.79	17.14	3.16	20.06	4.16	277	
7690	MOD 400W-HD-1 36"X9' TRENCH	175 HP D	251,188	64.38	82.27	15.35	29.94	6.58	35.04	8.66	659	
TRUCKS, HIGHWAY												
(CHASSIS ONLY)												
FORD												
7705	F150 4X2 1/2T PKUP	6100 GVW 157 HP G	7,369	5.98	7.78	0.55	1.20	2.85	1.38	3.80	33	
7710	F150 4X4 1/2T PKUP	6250 GVW 157 HP G	9,106	6.51	8.45	0.68	1.49	2.85	1.72	3.80	42	
7715	F250 4X2 3/4T PKUP	6900 GVW 157 HP G	7,839	6.14	7.98	0.58	1.25	2.85	1.44	3.80	40	
7720	F250 4X4 3/4T PKUP	7400 GVW 157 HP G	9,452	6.65	8.64	0.71	1.53	2.85	1.76	3.80	44	
7725	F350 2AX	10000 GVW 157 HP G	8,930	6.54	8.47	0.65	1.41	2.85	1.62	3.80	42	
7730	F600 2AX	18500 GVW 154 HP G	16,083	12.31	16.04	1.04	2.06	6.52	2.55	8.39	65	
7735	F600 2AX	18500 GVW 162 HP D	22,009	9.79	12.95	1.44	2.87	3.76	3.54	4.89	65	
7740	F700 2AX	24500 GVW 177 HP G	18,534	14.14	18.40	1.21	2.40	7.50	2.96	9.64	65	
7745	F700 2AX	24500 GVW 162 HP D	24,858	10.41	13.79	1.63	3.26	3.76	4.02	4.89	73	
7750	F800 2AX	27000 GVW 177 HP G	20,835	14.68	19.13	1.36	2.69	7.50	3.31	9.64	72	
7755	F800 2AX	27000 GVW 162 HP D	26,473	11.02	14.57	1.70	3.35	3.76	4.12	4.89	76	
7760	LT800 3AX	43000 GVW 223 HP G	31,803	25.89	33.78	2.06	4.08	14.03	5.02	18.08	110	
7765	LT8000 3AX	44800 GVW 175 HP D	43,549	17.80	23.60	2.83	5.62	6.09	6.93	7.92	126	
7770	LTS8000 3AX	46000 GVW 175 HP D	45,562	18.24	24.19	2.96	5.88	6.09	7.25	7.92	130	
7775	LNT8000 3AX	46000 GVW 175 HP D	43,089	17.71	23.47	2.80	5.55	6.09	6.84	7.92	124	
7780	CT8000 3AX	46000 GVW 175 HP D	50,192	19.25	25.54	3.27	6.52	6.09	8.03	7.92	136	
7785	LT9000 3AX 58000 GVW	82000 GCW 239 HP D	65,959	25.70	34.10	4.29	8.56	8.32	10.56	10.81	172	
7790	LTS9000 3AX 60000 GVW	82000 GCW 239 HP D	70,030	26.63	35.34	4.56	9.08	8.32	11.20	10.81	180	
7795	LNT9000 3AX 60000 GVW	82000 GCW 239 HP D	66,447	25.86	34.29	4.32	8.59	8.32	10.59	10.81	175	
7800	CLT9000 3AX	82000 GCW 286 HP D	65,235	27.56	36.52	4.26	8.51	9.95	10.49	12.94	149	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION	AVERAGE	SEVERE	STAND-BY	OWNER-SHIP	AVERAGE FUEL COND.	SEVERE OWNER-SHIP	
	TRUCKS, HIGHWAY (CONT'D) ***** (CHASSIS ONLY)									
	GMC AND CHEVROLET									
7810	C10903 4X2 1/2T PKUP 6100 GVW 165 HP G	8,502	6.51	8.46	0.63	1.38	2.99	1.59	3.99	46
7815	C10906 4X2 SUBURBAN 6800 GVW 160 HP G	10,819	7.07	9.15	0.81	1.77	2.90	2.04	3.87	52
7820	K10906 4X4 SUBURBAN 7000 GVW 165 HP G	11,761	7.48	9.68	0.88	1.93	2.99	2.22	3.99	56
7825	C20903 4X2 3/4T PKUP 8600 GVW 165 HP G	11,081	7.27	9.41	0.83	1.81	2.99	2.08	3.99	49
7830	K20903 4X4 3/4T PKUP 6600 GVW 165 HP G	11,350	7.37	9.56	0.85	1.85	2.99	2.14	3.99	54
7835	C30903 2AX 9000 GVW 160 HP G	10,969	7.20	9.31	0.81	1.75	2.90	2.02	3.87	62
7840	C5D042 2AX 18500 GVW 161 HP G	14,691	12.41	16.14	0.95	1.88	6.82	2.31	8.77	59
7845	C6D042 2AX 19200 GVW 161 HP G	16,003	12.70	16.52	1.04	2.06	6.82	2.53	8.77	64
7850	C6D042 2AX 21200 GVW 165 HP D	20,705	9.60	12.68	1.35	2.69	3.83	3.32	4.98	73
7855	C7D042 2AX 23160 GVW 179 HP G	17,133	13.99	18.19	1.11	2.18	7.58	2.68	9.75	73
7860	C7D042 2AX 27500 GVW 185 HP D	29,562	12.24	16.19	1.93	3.83	4.29	4.71	5.58	92
7865	C7D064 3AX 48500 GVW 207 HP G	32,698	24.91	32.50	2.10	4.12	13.02	5.07	16.78	26
7870	C7D064 3AX 44860 GVW 205 HP D	36,935	17.76	23.46	2.38	4.70	7.13	5.79	9.27	128
7875	J8C042 2AX 35000 GVW 235 HP D	39,423	19.44	25.66	2.57	5.12	8.18	6.32	10.63	112
7880	J8C064 3AX 44860 GVW 210 HP D	40,851	18.84	24.89	2.64	5.23	7.31	6.44	9.50	134
7885	J9C042 2AX 35000 GVW 230 HP D	45,478	17.09	22.67	2.97	5.94	5.34	7.33	6.94	118
7890	J9C064 3AX 50000 GVW 335 HP D	55,309	27.52	36.35	3.61	7.20	11.66	8.87	15.16	148
7895	N9E064 3AX 56000 GVW 307 HP D	63,865	28.22	37.34	4.16	8.28	10.68	10.22	13.89	165
7900	N9E064 3AX 62000 GVW 307 HP D	64,160	28.42	37.59	4.17	8.27	10.68	10.19	13.89	168
	INTERNATIONAL									
7910	SCOUT 4X4 6200 GVW 97 HP G	8,429	4.88	6.30	0.63	1.37	1.76	1.58	2.35	30
7915	1624 2AX 20000 GVW 147 HP G	12,864	11.16	14.51	0.84	1.66	6.23	2.05	8.00	51
7920	1724 2AX 20000 GVW 147 HP G	13,359	11.27	14.65	0.87	1.73	6.23	2.13	8.00	65
7925	1754 2AX 20000 GVW 165 HP D	18,502	9.06	11.95	1.22	2.43	3.83	2.99	4.98	71
7930	1824 2AX 21000 GVW 189 HP G	14,183	13.78	17.91	0.93	1.84	8.00	2.27	10.29	68
7935	1854 2AX 23000 GVW 180 HP D	21,095	10.14	13.38	1.38	2.75	4.18	3.39	5.43	74

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT			
			CONDITION	STAND-	AVERAGE COND.	SEVERE COND.	OWNER-	FUEL				
			AVERAGE	SEVERE	BY	SHIP						
TRUCKS, HIGHWAY (CONT'D)												
(CHASSIS ONLY)												
INTERNATIONAL (CONT'D)												
7940	1924	2AX	25000 GVW 190 HP G	16,612	14.43	18.78	1.07	2.13	8.05	2.63	10.35	79
7945	1954	2AX	25000 GVW 210 HP D	27,285	12.35	16.34	1.79	3.59	4.87	4.43	6.33	100
7950	F2554	3AX	43000 GVW 210 HP D	44,954	19.72	26.10	2.92	5.79	7.31	7.14	9.50	123
7955	F2574	3AX	50000 GVW 230 HP D	53,647	22.47	29.79	3.50	6.97	8.00	8.60	10.41	123
7960	F4370	3AX	46000 GVW 290 HP D	56,503	25.77	34.10	3.69	7.36	10.09	9.08	13.12	133
7965	F5050	3AX	52000 GVW 225 HP O	54,733	22.48	29.82	3.56	7.11	7.83	8.78	10.18	138
7970	F5070	3AX	52000 GVW 290 HP D	58,728	26.25	34.75	3.84	7.66	10.09	9.46	13.12	140
KENWORTH												
7980	K100	3AX	47400 GVW 72800 GCW 290 HP D	72,042	29.17	38.67	4.72	9.46	10.09	11.67	13.12	138
7985	W900	3AX	50000 GVW 76800 GCW 290 HP D	73,353	29.45	39.06	4.81	9.64	10.09	11.89	13.12	140
7990	C500	3AX	56000 GVW 86000 GCW 290 HP D	80,836	31.06	41.25	5.30	10.65	10.09	13.16	13.12	144
PETERBILT												
8000	MOD 348	3AX	56000 GVW 250 HP D	69,363	26.88	35.66	4.52	9.03	8.70	11.15	11.31	121
8005	MOD 362	3AX	50000 GVW 76800 GCW 350 HP D	76,400	32.78	43.42	5.01	10.05	12.18	12.41	15.83	131
8010	MOD 359	3AX	50000 GVW 76800 GCW 350 HP D	82,457	34.08	45.19	5.41	10.87	12.18	13.43	15.83	134
8015	MOD 353	3AX	73000 GVW 125000 GCW 350 HP D	85,993	34.85	46.22	5.65	11.36	12.18	14.02	15.83	174
8020	MOD 387	3AX	83000 GVW 150000 GCW 350 HP D	115,499	41.21	54.85	7.62	15.37	12.18	18.99	15.83	193
TRUCK ACCESSORIES												
(CHASIS NOT INCLUDED)												
CRANES, HYDRAULIC												
8030	5.3T@5' RAD	24000 GVW MIN		23,890	5.70		1.60	3.37	0.00		79	
8035	8.0T@3' RAD	26500 GVW MIN		28,888	6.87		1.93	4.07	0.00		84	
8040	12.5T@4' RAD	27000 GVW MIN		44,923	10.64		3.01	6.34	0.00		142	
8045	13.5T@4' RAD	44000 GVW MIN		55,939	13.23		3.75	7.90	0.00		158	
8050	15.0T@4' RAD	48000 GVW MIN		64,008	15.12		4.29	9.03	0.00		211	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT			
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	AVERAGE FUEL				
TRUCK ACCESSORIES (CONT'D)												
(CHASIS NOT INCLUDED)												
DUMP BODY, REAR, W/HOIST												
8060	5CY 24000 TO 26000 GVW	6,097	1.52	2.03	0.41	0.86	0.00	1.07	0.00	26		
8065	AIR GATE 8CY 27000 TO 30000 GVW	9,657	2.35	3.16	0.65	1.36	0.00	1.69	0.00	44		
8070	AIR GATE 10CY 36000 AND UP GVW	9,768	2.38	3.20	0.65	1.38	0.00	1.72	0.00	45		
8075	AIR GATE 12CY 36000 AND UP GVW	9,911	2.42	3.25	0.67	1.40	0.00	1.75	0.00	46		
FLATBEDS												
8085	8'X9.5'	1,982	0.47		0.13	0.28	0.00			11		
8090	8'X10.5'	2,049	0.48		0.14	0.29	0.00			12		
8095	8'X12.5'	2,245	0.52		0.15	0.31	0.00			14		
8100	8'X14.5'	2,664	0.62		0.18	0.37	0.00			16		
8105	8'X16.5'	2,922	0.68		0.19	0.41	0.00			18		
8110	FLATBED-HOIST	2,724	0.64		0.19	0.39	0.00			10		
8115	FLATBED-SIDEBOARDS	782	0.18		0.05	0.11	0.00			3		
HOISTS, ELECTRIC												
8125	1500LB@1.75'	2,086	0.59		0.14	0.30	0.00			4		
8130	2400LB@3'	2,694	0.72		0.18	0.38	0.00			6		
8135	5000LB@4'	7,335	1.81		0.49	1.03	0.00			15		
8140	6000LB@6'	8,143	1.99		0.54	1.14	0.00			14		
TRANSIT MIXERS												
8150	7 CY 40000 - 50000 GVW RQD	26,062	6.25		1.75	3.68	0.00			63		
8155	8 CY 50000 - 70000 GVW RQD	26,481	6.35		1.78	3.74	0.00			66		
8160	8.5CY 55000 - 75000 GVW RQD	26,762	6.40		1.79	3.77	0.00			68		
8165	9 CY 61000 - 80000 GVW RQD	27,174	6.51		1.82	3.84	0.00			73		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE OWNER-SHIP	COND. FUEL OWNER-SHIP	SEVERE COND. FUEL		
			AVERAGE	SEVERE					
TRUCK ACCESSORIES (CONT'D)									
(CHASIS NOT INCLUDED)									
WATER TANKS									
8175	2000 GAL 23500-28000 GVW	11,658	2.73		0.78	1.64	0.00		35
8180	2500 GAL 25000-34950 GVW	12,296	2.88		0.82	1.73	0.00		39
8185	3000 GAL 29000-40000 GVW	13,087	3.06		0.87	1.84	0.00		44
TRUCK TRAILERS									
BOTTOM DUMP									
8195	18CY 27T	28,814	5.65	7.11	1.71	3.26	0.00	3.81	0.00
8200	20CY 30T	33,158	6.45	8.13	1.97	3.78	0.00	4.42	0.00
8205	30CY 30T	32,983	6.42	8.09	1.96	3.76	0.00	4.40	0.00
8210	28CY 42T	41,600	8.09	10.18	2.48	4.74	0.00	5.53	0.00
8215	20CY 35T OFF-HIGHWAY	43,428	8.43	10.61	2.59	4.97	0.00	5.80	0.00
8220	32CY 55T OFF-HIGHWAY	90,759	17.94	22.51	5.31	10.00	0.00	11.65	0.00
8225	43CY 70T OFF-HIGHWAY	100,688	20.00	25.09	5.87	11.00	0.00	12.81	0.00
END DUMP									
8235	20CY 24T	34,255	6.66	8.38	2.05	3.92	0.00	4.57	0.00
LOWBOY, RIGID NECK, DROP DECK									
8245	25 TON 2 AXLE	21,414	3.78		1.27	2.16	0.00		89
8250	30 TON 2 AXLE	24,321	4.28		1.44	2.45	0.00		94
8255	35 TON 2 AXLE	29,442	5.14		1.76	3.00	0.00		109
8260	35 TON 3 AXLE	30,176	5.35		1.79	3.03	0.00		134
8265	40 TON 3 AXLE	31,930	5.68		1.89	3.19	0.00		144
8270	50 TON 3 AXLE	34,864	6.19		2.05	3.47	0.00		161
8275	60 TON 3 AXLE	38,500	6.87		2.26	3.80	0.00		188
8280	70 TON 3 AXLE	50,662	8.84		3.01	5.12	0.00		213
8285	75 TON 3 AXLE	51,794	9.02		3.07	5.24	0.00		228

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRUCK TRAILERS (CONT'D)														
LOWBOY (CONT'D)														
8290	80 TON 4 AXLE	60,495	10.52		3.60	6.16	0.00			266				
8295	90 TON 4 AXLE	66,773	11.61		3.97	6.79	0.00			297				
8300	110 TON 4 AXLE	72,577	12.61		4.32	7.38	0.00			313				
8305	120 TON 4 AXLE	82,404	14.55		4.85	8.19	0.00			351				
8310	HELPER DOLLY 60 T TRAILER MAX	17,358	3.18		1.01	1.68	0.00			62				
PLATFORM TRAILERS														
8320	25 TON 2 AXLE	16,720	3.07		0.97	1.61	0.00			110				
PUP TRAILERS														
8330	8 CY LONG TONGUE	20,336	3.68		1.19	2.00	0.00			86				
8335	10CY LONG TONGUE	20,489	3.70		1.20	2.02	0.00			86				
TIILT TRAILERS														
8345	12 TON 2 AXLE	10,714	2.00		0.63	1.04	0.00			62				
8350	16 TON 2 AXLE	11,040	2.07		0.64	1.06	0.00			65				
8355	20 TON 2 AXLE	12,475	2.35		0.73	1.19	0.00			67				
WATER TANKER TRAILERS														
8365	4000 GAL	63 HP D	30,921	7.79		1.75	3.21	2.37		120				
8370	5000 GAL	63 HP D	32,803	8.15		1.83	3.32	2.37		150				
8375	6000 GAL	63 HP D	34,282	8.36		1.91	3.47	2.37		160				
TRUCKS, OFF-HIGHWAY														
CATERPILLAR														
8385	769-C 35T 22-30 CY	P.S. 450 HP D	281,197	64.44	82.48	15.68	29.60	10.69	33.52	13.81				
8390	773-B 50T 30-45 CY	P.S. 650 HP D	395,155	92.52	119.20	21.94	41.22	15.44	46.64	19.95				
8395	777 85T 47-67 CY	P.S. 870 HP D	550,535	125.53	161.50	30.32	56.43	20.67	63.79	26.70				
8400	768C PRIME MOVER TRACTOR	P.S. 450 HP D	250,658	59.47	76.40	13.95	26.26	10.69	29.72	13.81				
										530				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL										
			AVERAGE	SEVERE															
TRUCKS, OFF-HIGHWAY (CONT'D)																			
CATERPILLAR (CONT'D)																			
8405	772B PRIME MOVER TRACTOR	P.S. 650 HP D	375,621	91.35	118.99	20.70	38.54	15.44	43.56	19.95									
DJB (ARTICULATED FRAME)																			
8415	D275B 27.5T 15-20 CY	P.S. 235 HP D	184,685	39.97	50.81	10.26	19.30	5.58	21.84	7.21									
8420	D330B 33T 17-23 CY	P.S. 255 HP D	221,250	46.69	59.12	12.34	23.27	6.06	26.33	7.83									
8425	D350B 35T 20-26 CY	P.S. 255 HP D	231,029	50.07	64.31	12.72	23.66	6.06	26.74	7.83									
8430	D550 55T 32-43 CY	P.S. 450 HP D	387,275	84.01	107.58	21.38	39.90	10.69	45.11	13.81									
EUCLID																			
8440	R25-215FD 25T 14-19 CY	P.S. 214 HP D	184,271	38.60	48.99	10.26	19.33	5.08	21.88	6.57									
8445	R35-302TD 35T 22-30 CY	P.S. 450 HP D	292,250	65.81	83.89	16.33	30.92	10.69	35.03	13.81									
8450	R50-301LD 50T 31-41 CY	P.S. 608 HP D	385,315	89.60	115.53	21.38	40.14	14.45	45.42	18.66									
8455	R75-301ND 75T 46-69 CY	P.S. 646 HP D	514,908	111.81	143.57	28.40	52.94	15.35	59.83	19.83									
8460	R85-306ND 85T 52-67 CY	P.S. 755 HP D	530,372	118.63	152.80	29.17	54.23	17.94	61.28	23.17									
INTERNATIONAL																			
8470	350B 50T 31-42 CY	P.S. 580 HP D	373,059	85.58	110.07	20.84	39.42	13.78	44.64	17.80									
TEREX																			
8480	33-03B 22T 15-18 CY	P.S. 215 HP D	162,978	35.94	45.98	9.09	17.15	5.11	19.41	6.60									
8485	33-05B 30T 19-23 CY	P.S. 321 HP D	234,529	52.16	66.79	13.07	24.66	7.63	27.91	9.85									
8490	33-07 40T 25-32 CY	P.S. 493 HP D	290,986	70.23	91.40	16.04	29.90	11.71	33.81	15.13									
8495	33-09 55T 34-44 CY	P.S. 624 HP D	393,030	93.36	121.39	21.69	40.45	14.83	45.72	19.15									
8500	33-11C 85T 51-65 CY	P.S. 840 HP D	553,080	125.01	160.78	30.46	56.71	19.96	64.10	25.78									
WABCO																			
8510	HAULPAK35D 35T 23-29 CY	P.S. 420 HP D	290,053	64.94	83.00	16.19	30.58	9.98	34.61	12.89									
8515	HAULPAK50B 50T 31-40 CY	P.S. 576 HP D	403,617	91.57	117.86	22.43	42.15	13.69	47.69	17.68									
8520	HAULPAK60B 60T 34-48 CY	P.S. 642 HP D	436,672	101.02	130.80	24.16	45.22	15.25	51.15	19.70									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT						
			CONDITION	STAND BY	AVERAGE COND.	SEVERE COND.										
						AVERAGE	SEVERE	OWNER-SHIP	FUEL							
TRUCKS, OFF-HIGHWAY (CONT'D)																
WABCO (CONT'D)																
8525	75C	75T 44-57 CY P.S. 679 HP D	490,425	108.33	139.05	27.06	50.49	16.13	57.08	20.84	950					
8530	85D	85T 47-67 CY P.S. 818 HP D	546,380	123.22	158.54	30.08	55.98	19.44	63.27	25.10	1240					
TRUCKS, WATER																
TRACTOR DRAWN - KLEIN																
8540	KT-50	5000 GAL. CAT 613B P.S. 150 HP D	130,091	28.76	35.30	7.31	12.83	5.64	14.38	7.42	320					
8545	KT-60	6000 GAL. CAT 621B P.S. 330 HP D	228,302	54.27	67.03	12.75	22.18	12.41	24.84	16.33	564					
8550	KT-80	8000 GAL. CAT 631D P.S. 450 HP D	314,052	74.76	92.38	17.50	30.36	16.93	33.97	22.27	740					
8555	KT-100	10000 GAL. CAT 631D P.S. 450 HP D	322,225	76.04	93.90	17.96	31.20	16.93	34.93	22.27	798					
8560	KT-100	10000 GAL. CAT 641B P.S. 550 HP D	362,900	88.10	109.05	20.17	34.91	20.69	39.06	27.22	931					
8565	KT-120	12000 GAL. CAT 651B P.S. 550 HP D	382,801	91.23	112.75	21.32	36.98	20.69	41.38	27.22	1097					
TRACTOR DRAWN - SOUTHWEST																
8575	STT-60	6000 GAL. CAT 621B P.S. 330 HP D	226,458	53.98	66.68	12.64	21.99	12.41	24.62	16.33	594					
8580	STT-80	8000 GAL. CAT 631D P.S. 450 HP D	312,714	74.54	92.13	17.42	30.21	16.93	33.82	22.27	800					
8585	STT-100	10000 GAL. CAT 631D P.S. 450 HP D	316,879	75.20	92.90	17.66	30.65	16.93	34.30	22.27	840					
8590	STT-120	12000 GAL. CAT 651B P.S. 550 HP D	386,076	91.75	113.35	21.51	37.32	20.69	41.76	27.22	1054					
8595	STT-140	14000 GAL. CAT 651B P.S. 550 HP D	391,942	92.66	114.45	21.84	37.92	20.69	42.45	27.22	1089					
WAGONS, BOTTOM DUMP																
CATERPILLAR-ATHEY																
8605	621B/PW621B	33T 22-26CY P.S. 330 HP D	241,485	59.48	77.04	13.36	24.98	12.41	28.25	16.33	579					
8610	768B/PW768C	63T 42-48CY P.S. 450 HP D	370,048	88.37	114.00	20.40	37.99	16.93	42.94	22.27	935					
8615	772B/PW772B	100T 60-67CY P.S. 650 HP D	589,482	142.48	187.34	32.23	59.48	24.45	67.15	32.17	1350					

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

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

EUCLID										
8625	B30-303TDT301W 30T 21-27CY P.S. 277 HP D	219,637	53.32	69.15	12.10	22.53	10.42	25.47	13.71	483
8630	B70-203LDT147W 70T 47-62CY P.S. 423 HP D	375,201	83.78	106.06	20.98	39.72	15.91	44.98	20.94	934
WAGONS, REAR DUMP										

CATERPILLAR-ATHY										
8640	621B/PR621B 33T 22-26CY P.S. 330 HP D	253,757	61.58	79.66	14.04	26.26	12.41	29.70	16.33	630
8645	631D/PR631D 40T 27-32CY P.S. 450 HP D	360,608	86.29	111.45	19.99	37.47	16.93	42.38	22.27	833
WATER BLASTER										

AMERICAN AERO										
8655	WBD 90 10000 PSI @ 10 GPM W/2 NOZ 91 HP D TRAILER MOUNTED	32,351	18.46		2.48	5.65	5.05			42
8660	WBDI50 10000 PSI @ 20 GPM W/2 NOZ 160 HP D TRAILER MOUNTED	49,025	29.53		3.76	8.57	8.87			70
WATER TANKS										

SKID MOUNTED										
8670	WST-8 8000 GAL. SOUTHWEST	15,540	2.35		0.89	1.65	0.00			107
8675	WST-10 10000 GAL. SOUTHWEST	18,086	2.75		1.04	1.93	0.00			122
8680	WST-12 12000 GAL. SOUTHWEST	21,044	3.20		1.21	2.25	0.00			142
PORTABLE (WITH WHEELS)										
8690	EWT-8 8000 GAL. SOUTHWEST 8 HP G	27,764	5.07		1.57	2.88	0.64			130
8695	EWT-10 10000 GAL. SOUTHWEST 8 HP G	31,559	5.64		1.78	3.28	0.64			170
8700	EWT-12 12000 GAL. SOUTHWEST 8 HP G	34,979	6.17		1.98	3.65	0.64			185

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

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

ELECTRIC DRTVE - AC 3 PHASE 60 HZ									
8710	250 AMP SKID MTD	20 HP E	2,066	1.01	0.14	0.28	0.48		7
8715	600 AMP SKID MTD	25 HP E	2,619	1.27	0.17	0.35	0.60		9
GASOLINE ENGINE ORIVE									
8725	200 AMP W/1 AXLE TRLR	14 HP G	2,691	2.48	0.20	0.43	1.37		11
8730	250 AMP W/1 AXLE TRLR	65 HP C	5,131	9.38	0.38	0.84	6.37		17
8735	300 AMP W/1 AXLE TRLR	65 HP G	5,251	9.43	0.40	0.87	6.37		17
8740	400 AMP W/1 AXLE TRLR	69 HP G	6,150	10.17	0.47	1.02	6.76		21
8745	650 AMP W/2 AXLE TRLR	85 HP G	7,742	12.57	0.58	1.26	8.33		22
DIESEL ENGINE DRIVE									
8755	250 AMP W/1 AXLE TRLR	38 HP D	6,731	4.14	0.50	1.11	1.77		21
8760	300 AMP W/1 AXLE TRLR	38 HP D	6,790	4.16	0.51	1.12	1.77		21
8765	350 AMP W/2 AXLE TRLR	63 HP D	8,582	6.12	0.64	1.40	2.93		25
8770	400 AMP W/2 AXLE TRLR	64 HP D	8,409	6.13	0.63	1.37	2.98		30
MIG									
8780	250AMP W/WIRE FEED AND SHOP GEAR	10 HP E	2,809	0.84	0.19	0.38	0.24		5
8785	300AMP W/WIRE FEED AND SHOP GEAR	20 HP E	2,966	1.18	0.20	0.40	0.48		5
RECTIFIER									
8795	250 AMP W/SHOP RUNNING GEAR	19 HP E	1,778	0.94	0.12	0.24	0.46		4
8800	300 AMP W/SHOP RUNNING GEAR	24 HP E	1,934	1.11	0.13	0.26	0.58		6
8805	500 AMP W/SHOP RUNNING GEAR	30 HP E	2,454	1.41	0.17	0.34	0.72		7
8810	750 AMP W/SHOP RUNNTNG GEAR	42 HP E	4,035	2.08	0.27	0.55	1.01		10
TRANSFORMER-RECTIFIER									
8820	250 AMP W/SHOP RUNNING GEAR	19 HP E	961	0.78	0.06	0.13	0.46		4
8825	300 AMP W/SHOP RUNNING GEAR	24 HP E	1,588	1.05	0.11	0.22	0.58		6

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

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

Examples: Assume that a two-year old 50-ton truck crane listed in TABLE 3-1 has a total hourly rate of \$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	0.81	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 GUNTE 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 CRANE, CRAWLER TYPE	1.06	1.03	1.00	0.93									
150	O 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	0.54	0.44	0.37	
180	OVER 150 TON DRAGLINE & CLAMSHELL,CRAWLER	1.05	1.02	1.00	0.93	0.86	0.77	0.70	0.64	0.60	0.54	0.44	0.36	0.35
185	O THRU 1 CY	1.05	1.02	1.00	0.93	0.85	0.76	0.68	0.63					
190	OVER 1 CY THRU 2-1/2 CY	1.05	1.02	1.00	0.93	0.85	0.76	0.69	0.64	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	0.35	
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	0.36	0.35
200	CRANES, HYDRAULIC, SELF- PROPELLED	1.05	1.02	1.00	0.93	0.85	0.76	0.69	0.64	0.59	0.54	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	0.35	
	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	0.54	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	0.60	0.55	0.44	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	0.55	0.45	0.38	0.36
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	1.02	1.00	0.92	0.80	0.69	0.64	0.58	0.56	0.53	0.46	0.41	0.39
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.03	1.02	1.00	0.92	0.80	0.69	0.64	0.58	0.56	0.53	0.46	0.41	0.39
375	FORK LIFTS	1.05	1.03	1.00	0.92	0.82	0.71	0.63						
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	O THRU 225 HP	1.06	1.03	1.00	0.89	0.74	0.63	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	0.63	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
480	PILE EXTRACTOR, PTLE HAMMER & HYDRAULIC IMPACTOR	1.06	1.03	1.00	0.91						
485	PIPELAYERS PUMP, GROUT (SEE KEY NO. 105)	1.09	1.05	1.00	0.90	0.80	0.70	0.61	0.53		
495	PUMP, WATER, ENGINE DRTVE	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	0.71				
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			
542	SCRAPERS, TANDEM POWERED SCRAPERS, ELEVATING	1.05	1.02	1.00	0.91	0.82	0.73	0.67			
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 SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED	1.05	1.03	1.00	0.91	0.82	0.72	0.66			
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	
601	OVER 2-1/2 CY ELECTRIC TRACTOR, CRAWLER TYPE	1.05	1.02	1.00	0.93	0.86	0.77	0.70	0.64	0.60	0.54
615	0 THRU 225 HP	1.09	1.04	1.00	0.90	0.81	0.71	0.62			
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	0.69	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 TRUCK ACCESSORIES FOR CHASSIS MOUNTING	1.06	1.03	1.00	0.91	0.80	0.67	0.59			
670	DUMP BODIES	1.05	1.03	1.00	0.92	0.82	0.71				
675	ALL OTHER ACCESSORIES TRUCK, HIGHWAY	1.05	1.03	1.00	0.92	0.82	0.71				
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	0.69				
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	0.61	0.56		
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 (.79)	= \$14.22/Hr.

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW										
		1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	
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	0.85	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	1.03	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 CRANE, CRAWLER TYPE	1.05	1.03	1.00	0.93							
150	0 THRU 25 TON	1.04	1.02	1.00	0.94	0.87	0.79	0.72	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	0.79	0.73	0.69	0.65	0.60	0.50
180	OVER 150 TON	1.04	1.02	1.00	0.94	0.88	0.80	0.74	0.69	0.66	0.61	0.52
	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	0.60	0.51
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
200	CRANES, HYDRAULIC, SELF- PROPELLED	1.04	1.02	1.00	0.94	0.87	0.79	0.73	0.68	0.64	0.59	0.50
205	CRANES, TOWER CRANES & HYD. EXC., TRK MTD	1.04	1.02	1.00	0.94	0.88	0.80	0.74	0.69	0.65	0.60	0.51
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	0.79	0.73	0.69	0.65	0.60	0.50
230	66 THRU 125 T	1.04	1.02	1.00	0.94	0.87	0.80	0.74	0.69	0.65	0.60	0.51
240	OVER 125 T	1.04	1.02	1.00	0.94	0.88	0.80	0.74	0.69	0.65	0.61	0.45
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	D.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	0.57	
330	DRILL, ROTARY OVER 11" DIA.	1.03	1.01	1.00	0.93	0.82	0.73	0.68	0.63	0.61	0.58	0.52
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.03	1.01	1.00	0.93	0.82	0.73	0.68	0.53	0.61	0.58	0.52
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	0.84	0.76	0.71	0.64			
420	GENERATORS	1.04	1.02	1.00	0.98	0.87	0.73					
435	HOIST HYD. EXCAVATOR (SEE KEY NO. 570-601)	1.05	1.02	1.00	0.93	0.84	0.75	0.68				
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
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.05	1.03	1.00	0.93							
485	PIPELAYERS PUMP, GROUT (SEE KEY NO. 105)	1.07	1.04	1.00	0.92	0.84	0.76	0.69	0.63			
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 SCRAPERS, ELEVATING	1.04	1.02	1.00	0.92	0.84	0.76	0.70				
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	0.70	0.64			
560	SOIL STABILIZERS SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED	1.04	1.02	1.00	0.92	0.84	0.76	0.70				
570	0 THRU 1 CY	1.04	1.02	1.00	0.93	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	0.67	0.64		
601	OVER 2-1/2 CY ELECTRIC TRACTOR, CRAWLER TYPE	1.04	1.02	1.00	0.94	0.87	0.79	0.73	0.69	0.65	0.60	0.50
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	0.68	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 TRUCK ACCESSORIES FOR CHASSIS MOUNTING	1.05	1.02	1.00	0.93	0.84	0.75	0.68				
670	DUMP BODIES	1.05	1.02	1.00	0.93	0.84	0.74					
675	ALL OTHER ACCESSORIES TRUCK, HIGHWAY	1.05	1.02	1.00	0.93	0.84	0.74					
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	0.81	0.71	0.66	0.61			
785	WATER BLASTER	1.05	1.03	1.00	0.93							
795	WATER TANKS	1.05	1.02	1.00	0.93	0.84	0.75	0.68	0.63			
810	WELDERS	1.05	1.03	1.00	0.93							
811	WELDERS ELECTRIC POWER	1.05	1.02	1.00	0.93	0.84	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 (.84)	= (+) \$19.40/Hr.
Adjusted Total Hourly Rate	= \$39.40/Hr.

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

Service Life From APP. D	Equipment Usage - Hours per Week												
	40	45	48	54	60	66	72	80	90	100	110	120	140
4,000	1.00	0.98	0.97	0.95	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85
6,000	1.00	0.97	0.96	0.93	0.91	0.90	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	0.88	0.86	0.84	0.82	0.81	0.80	0.79	0.77
9,000	1.00	0.96	0.94	0.91	0.89	0.87	0.85	0.83	0.81	0.80	0.78	0.77	0.76
10,000	1.00	0.96	0.94	0.91	0.88	0.86	0.84	0.82	0.80	0.78	0.77	0.76	0.74
11,000	1.00	0.96	0.94	0.90	0.87	0.85	0.83	0.81	0.79	0.77	0.76	0.75	0.73
12,000	1.00	0.96	0.93	0.90	0.87	0.84	0.82	0.80	0.78	0.76	0.75	0.73	0.71
13,000	1.00	0.95	0.93	0.89	0.86	0.84	0.81	0.79	0.77	0.75	0.73	0.72	0.70
14,000	1.00	0.95	0.93	0.89	0.85	0.83	0.81	0.78	0.76	0.74	0.72	0.71	0.69
15,000	1.00	0.95	0.92	0.88	0.85	0.82	0.80	0.77	0.75	0.73	0.71	0.70	0.68
16,000	1.00	0.95	0.92	0.88	0.84	0.82	0.79	0.77	0.74	0.72	0.70	0.69	0.67
18,000	1.00	0.95	0.92	0.87	0.84	0.81	0.78	0.75	0.73	0.70	0.69	0.67	0.65
20,000	1.00	0.94	0.91	0.87	0.83	0.80	0.77	0.74	0.71	0.69	0.67	0.65	0.63
22,000	1.00	0.94	0.91	0.86	0.82	0.79	0.76	0.73	0.70	0.67	0.66	0.64	0.61
50,000	1.00	0.92	0.88	0.81	0.76	0.71	0.68	0.64	0.60	0.57	0.54	0.52	0.48

TABLE 3-5. HOURLY RATE ELEMENT

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE
1010	4.00	2.10	11.54	2.77	0.21	0.03	3.54	24.19							
1015	4.48	2.34	4.25	1.02	0.21	0.03	3.96	16.29							
1030	0.71	0.42	3.43	1.10	0.02	0.00	0.72	6.40							
1035	0.84	0.49	1.43	0.40	0.02	0.00	0.85	4.03							
1040	0.88	0.52	3.99	1.28	0.02	0.00	0.90	7.59							
1045	1.06	0.62	1.66	0.46	0.02	0.00	1.08	4.90							
1050	1.08	0.63	5.59	1.79	0.02	0.00	1.10	10.21							
1055	1.15	0.67	1.92	0.54	0.02	0.00	1.17	5.47							
1060	1.18	0.69	5.59	1.79	0.02	0.00	1.20	10.47							
1065	1.34	0.79	2.60	0.73	0.02	0.00	1.37	6.85							
1070	1.22	0.71	5.59	1.79	0.02	0.00	1.24	10.57							
1075	1.44	0.84	2.60	0.73	0.02	0.00	1.47	7.10							
1080	2.16	1.26	3.54	0.99	0.03	0.00	2.19	10.17							
1085	2.63	1.56	3.87	1.08	0.12	0.02	2.69	11.97							
1090	3.43	2.02	5.72	1.60	0.12	0.02	3.49	16.40							
1095	4.63	2.72	6.58	1.84	0.14	0.02	4.71	20.64							
1100	5.38	3.16	8.58	2.40	0.14	0.02	5.48	25.16							
1105	6.13	3.59	9.40	2.63	0.14	0.02	6.23	28.14							
1110	6.73	3.94	10.16	2.84	0.14	0.02	6.84	30.67							
1115	7.54	4.41	10.65	2.98	0.14	0.02	7.66	33.40							
1120	9.02	5.26	12.23	3.42	0.14	0.02	9.16	39.25							
1125	10.19	5.95	17.15	4.80	0.17	0.03	10.35	48.64							
1140	0.28	0.07	0.00	0.06	0.00	0.00	0.56	0.97							
1145	0.52	0.12	0.00	0.06	0.00	0.00	1.05	1.75							
1150	0.52	0.12	0.00	0.06	0.00	0.00	1.06	1.76							
1155	0.58	0.14	0.00	0.13	0.00	0.00	1.18	2.03							
1160	0.77	0.18	0.00	0.13	0.00	0.00	1.57	2.65							
1165	2.18	0.54	0.00	0.27	0.05	0.01	4.44	7.49							
1170	2.57	0.65	0.00	0.38	0.12	0.02	5.28	9.02							
1175	3.23	0.81	0.00	0.48	0.12	0.02	6.62	11.28							
1185	0.20	0.05	0.00	0.06	0.00	0.00	0.40	0.71							
1190	0.43	0.10	0.00	0.11	0.00	0.00	0.86	1.50							
1195	0.20	0.05	0.00	0.06	0.00	0.00	0.41	0.72							
1200	0.21	0.05	0.00	0.06	0.00	0.00	0.43	0.75							
1205	0.23	0.06	0.00	0.06	0.00	0.00	0.47	0.82							
1210	0.78	0.19	0.00	0.13	0.00	0.00	1.59	2.69							
1220	0.38	0.09	0.00	0.15	0.00	0.00	1.28	1.90							
1225	0.24	0.06	0.00	0.13	0.00	0.00	0.83	1.26							
1230	0.22	0.05	0.00	0.10	0.00	0.00	0.74	1.11							
1235	0.20	0.05	0.00	0.08	0.00	0.00	0.67	1.00							
1240	0.16	0.04	0.00	0.06	0.00	0.00	0.53	0.79							
1250	2.05	1.05	3.59	1.15	0.00	0.00	2.19	10.03							
1255	2.11	1.08	3.59	1.15	0.00	0.00	2.26	10.19							
1260	2.26	1.16	3.59	1.15	0.00	0.00	2.42	10.58							
1265	2.54	1.30	3.59	1.15	0.00	0.00	2.72	11.30							
1275	7.23	3.77	2.63	0.74	0.32	0.05	8.21	22.95							
1280	11.33	5.98	3.57	1.00	0.79	0.12	12.91	35.70							
1285	12.62	6.63	4.89	1.37	0.79	0.12	14.37	40.79							
1290	15.43	7.89	4.89	1.37	0.00	0.00	17.47	47.05							
1300	3.62	1.92	0.83	0.23	0.31	0.05	4.13	11.09							
1305	5.75	3.02	2.11	0.59	0.31	0.05	6.55	18.38							
1310	8.00	4.19	2.18	0.61	0.44	0.07	9.10	24.59							
1315	9.87	5.23	3.27	0.92	0.79	0.12	11.25	31.45							
1320	11.54	6.12	3.31	0.93	0.96	0.14	13.16	36.16							
1325	15.22	8.08	5.91	1.65	1.32	0.20	17.36	49.74							

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
1330	11.25	5.76	2.86	0.80	0.00	0.00	12.74	33.41								
1335	13.46	6.88	4.14	1.16	0.00	0.00	15.24	40.88								
1345	0.35	0.16	0.00	0.97	0.02	0.00	0.38	1.88								
1350	0.41	0.18	0.00	1.07	0.02	0.00	0.45	2.13								
1360	0.97	0.42	0.64	1.73	0.02	0.00	1.06	4.84								
1370	0.46	0.27	0.00	0.18	0.02	0.00	0.53	1.46								
1375	0.59	0.35	1.68	0.40	0.02	0.00	0.69	3.73								
1380	0.20	0.12	0.00	0.18	0.00	0.00	0.24	0.74								
1385	0.32	0.18	0.00	0.12	0.00	0.00	0.37	0.99								
1395	0.79	0.51	8.35	2.67	0.00	0.00	1.10	13.42								
1400	0.84	0.55	8.35	2.67	0.04	0.01	1.19	13.65								
1410	0.82	0.38	0.00	0.00	0.00	0.00	0.67	1.87	1.02	0.39	0.00	0.00	0.00	0.00	0.96	2.37
1415	0.96	0.45	0.00	0.00	0.00	0.00	0.79	2.20	1.20	0.46	0.00	0.00	0.00	0.00	1.13	2.79
1420	1.41	0.66	0.00	0.00	0.00	0.00	1.16	3.23	1.76	0.67	0.00	0.00	0.00	0.00	1.66	4.09
1425	1.59	0.74	0.00	0.00	0.00	0.00	1.31	3.64	1.99	0.75	0.00	0.00	0.00	0.00	1.87	4.62
1430	2.08	0.97	0.00	0.00	0.00	0.00	1.71	4.76	2.59	0.99	0.00	0.00	0.00	0.00	2.44	6.02
1435	2.20	1.02	0.00	0.00	0.00	0.00	1.81	5.03	2.75	1.05	0.00	0.00	0.00	0.00	2.58	6.38
1440	2.25	1.05	0.00	0.00	0.00	0.00	1.86	5.16	2.82	1.08	0.00	0.00	0.00	0.00	2.65	6.55
1445	2.48	1.16	0.00	0.00	0.00	0.00	2.04	5.68	3.10	1.19	0.00	0.00	0.00	0.00	2.92	7.21
1450	2.68	1.25	0.00	0.00	0.00	0.00	2.21	6.14	3.36	1.28	0.00	0.00	0.00	0.00	3.16	7.80
1455	2.91	1.36	0.00	0.00	0.00	0.00	2.40	6.67	3.64	1.39	0.00	0.00	0.00	0.00	3.42	8.45
1460	3.14	1.46	0.00	0.00	0.00	0.00	2.58	7.18	3.93	1.50	0.00	0.00	0.00	0.00	3.69	9.12
1465	3.25	1.52	0.00	0.00	0.00	0.00	2.68	7.45	4.07	1.56	0.00	0.00	0.00	0.00	3.82	9.45
1470	3.52	1.64	0.00	0.00	0.00	0.00	2.89	8.05	4.40	1.68	0.00	0.00	0.00	0.00	4.13	10.21
1475	3.62	1.69	0.00	0.00	0.00	0.00	2.98	8.29	4.53	1.73	0.00	0.00	0.00	0.00	4.26	10.52
1480	3.76	1.75	0.00	0.00	0.00	0.00	3.09	8.60	4.70	1.80	0.00	0.00	0.00	0.00	4.42	10.92
1490	0.86	0.40	0.00	0.00	0.00	0.00	0.70	1.96	1.07	0.41	0.00	0.00	0.00	0.00	1.01	2.49
1495	1.16	0.54	0.00	0.00	0.00	0.00	0.95	2.65	1.45	0.55	0.00	0.00	0.00	0.00	1.36	3.36
1500	1.69	0.79	0.00	0.00	0.00	0.00	1.39	3.87	2.11	0.81	0.00	0.00	0.00	0.00	1.98	4.90
1505	1.82	0.85	0.00	0.00	0.00	0.00	1.50	4.17	2.28	0.87	0.00	0.00	0.00	0.00	2.14	5.29
1510	2.32	1.08	0.00	0.00	0.00	0.00	1.91	5.31	2.90	1.11	0.00	0.00	0.00	0.00	2.72	6.73
1515	2.53	1.18	0.00	0.00	0.00	0.00	2.09	5.80	3.17	1.21	0.00	0.00	0.00	0.00	2.98	7.36
1520	2.73	1.27	0.00	0.00	0.00	0.00	2.25	6.25	3.42	1.31	0.00	0.00	0.00	0.00	3.21	7.94
1525	2.94	1.37	0.00	0.00	0.00	0.00	2.42	6.73	3.67	1.41	0.00	0.00	0.00	0.00	3.46	8.54
1530	3.15	1.47	0.00	0.00	0.00	0.00	2.60	7.22	3.94	1.51	0.00	0.00	0.00	0.00	3.71	9.16
1535	3.47	1.62	0.00	0.00	0.00	0.00	2.86	7.95	4.34	1.66	0.00	0.00	0.00	0.00	4.08	10.08
1540	3.66	1.71	0.00	0.00	0.00	0.00	3.02	8.39	4.58	1.75	0.00	0.00	0.00	0.00	4.31	10.64
1545	3.88	1.81	0.00	0.00	0.00	0.00	3.19	8.88	4.84	1.85	0.00	0.00	0.00	0.00	4.56	11.25
1550	4.04	1.88	0.00	0.00	0.00	0.00	3.33	9.25	5.05	1.93	0.00	0.00	0.00	0.00	4.75	11.73
1555	4.21	1.96	0.00	0.00	0.00	0.00	3.46	9.63	5.26	2.01	0.00	0.00	0.00	0.00	4.95	12.22
1560	4.38	2.04	0.00	0.00	0.00	0.00	3.60	10.02	5.47	2.09	0.00	0.00	0.00	0.00	5.15	12.71
1570	1.30	0.60	0.00	0.00	0.00	0.00	1.07	2.97	1.62	0.62	0.00	0.00	0.00	0.00	1.53	3.77
1575	1.33	0.62	0.00	0.00	0.00	0.00	1.09	3.04	1.66	0.63	0.00	0.00	0.00	0.00	1.56	3.85
1580	1.97	0.92	0.00	0.00	0.00	0.00	1.62	4.51	2.46	0.94	0.00	0.00	0.00	0.00	2.32	5.72
1585	2.38	1.11	0.00	0.00	0.00	0.00	1.96	5.45	2.98	1.14	0.00	0.00	0.00	0.00	2.80	6.92
1590	2.66	1.24	0.00	0.00	0.00	0.00	2.19	6.09	3.33	1.27	0.00	0.00	0.00	0.00	3.13	7.73
1595	2.89	1.35	0.00	0.00	0.00	0.00	2.38	6.62	3.62	1.38	0.00	0.00	0.00	0.00	3.40	8.40
1600	3.05	1.42	0.00	0.00	0.00	0.00	2.51	6.98	3.81	1.46	0.00	0.00	0.00	0.00	3.58	8.85
1605	3.23	1.50	0.00	0.00	0.00	0.00	2.66	7.39	4.04	1.54	0.00	0.00	0.00	0.00	3.80	9.38
1610	3.38	1.58	0.00	0.00	0.00	0.00	2.78	7.74	4.23	1.62	0.00	0.00	0.00	0.00	3.98	9.83
1615	3.63	1.69	0.00	0.00	0.00	0.00	2.99	8.31	4.54	1.74	0.00	0.00	0.00	0.00	4.27	10.55
1620	3.84	1.79	0.00	0.00	0.00	0.00	3.16	8.79	4.80	1.84	0.00	0.00	0.00	0.00	4.52	11.16
1625	4.04	1.88	0.00	0.00	0.00	0.00	3.33	9.25	5.05	1.93	0.00	0.00	0.00	0.00	4.75	11.73
1630	4.38	2.04	0.00	0.00	0.00	0.00	3.60	10.02	5.47	2.09	0.00	0.00	0.00	0.00	5.15	12.71
1635	4.51	2.10	0.00	0.00	0.00	0.00	3.71	10.32	5.64	2.16	0.00	0.00	0.00	0.00	5.30	13.10

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIKE	TIKE	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIKE	TIKE	REPR	TOTAL RATE
WEAR	RPR							WEAR	RPR							
1640	4.70	2.19	0.00	0.00	0.00	0.00	3.87	10.76	5.88	2.25	0.00	0.00	0.00	0.00	5.53	13.66
1650	0.12	0.06	0.00	0.00	0.00	0.00	0.10	0.28								
1655	0.15	0.07	0.00	0.00	0.00	0.00	0.13	0.35								
1660	0.19	0.10	0.00	0.00	0.00	0.00	0.17	0.46								
1665	0.27	0.14	0.00	0.00	0.00	0.00	0.24	0.65								
1670	0.35	0.18	0.00	0.00	0.00	0.00	0.30	0.83								
1680	0.50	0.26	0.00	0.00	0.00	0.00	0.44	1.20								
1685	0.52	0.27	0.00	0.00	0.00	0.00	0.46	1.25								
1690	0.54	0.28	0.00	0.00	0.00	0.00	0.48	1.30								
1695	0.72	0.37	0.00	0.00	0.00	0.00	0.63	1.72								
1700	0.76	0.39	0.00	0.00	0.00	0.00	0.66	1.81								
1705	1.09	0.56	0.00	0.00	0.00	0.00	0.95	2.60								
1710	1.30	0.66	0.00	0.00	0.00	0.00	1.14	3.10								
1720	0.58	0.29	0.00	0.00	0.00	0.00	0.50	1.37								
1725	0.65	0.33	0.00	0.00	0.00	0.00	0.57	1.55								
1730	0.75	0.38	0.00	0.00	0.00	0.00	0.66	1.79								
1735	0.84	0.43	0.00	0.00	0.00	0.00	0.73	2.00								
1740	0.98	0.50	0.00	0.00	0.00	0.00	0.86	2.34								
1755	0.28	0.13	0.00	0.00	0.00	0.00	0.23	0.64	0.35	0.13	0.00	0.00	0.00	0.00	0.33	0.81
1760	0.33	0.15	0.00	0.00	0.00	0.00	0.27	0.75	0.41	0.16	0.00	0.00	0.00	0.00	0.39	0.96
1765	0.40	0.19	0.00	0.00	0.00	0.00	0.33	0.92	0.50	0.19	0.00	0.00	0.00	0.00	0.47	1.16
1770	0.48	0.22	0.00	0.00	0.00	0.00	0.39	1.09	0.60	0.23	0.00	0.00	0.00	0.00	0.56	1.39
1775	0.56	0.26	0.00	0.00	0.00	0.00	0.46	1.28	0.70	0.27	0.00	0.00	0.00	0.00	0.66	1.63
1780	0.69	0.32	0.00	0.00	0.00	0.00	0.57	1.58	0.87	0.33	0.00	0.00	0.00	0.00	0.81	2.01
1785	0.77	0.36	0.00	0.00	0.00	0.00	0.63	1.76	0.96	0.37	0.00	0.00	0.00	0.00	0.90	2.23
1790	0.93	0.44	0.00	0.00	0.00	0.00	0.77	2.14	1.17	0.45	0.00	0.00	0.00	0.00	1.10	2.72
1795	0.99	0.46	0.00	0.00	0.00	0.00	0.82	2.27	1.24	0.47	0.00	0.00	0.00	0.00	1.17	2.88
1800	1.20	0.56	0.00	0.00	0.00	0.00	0.99	2.75	1.50	0.57	0.00	0.00	0.00	0.00	1.41	3.48
1805	1.30	0.60	0.00	0.00	0.00	0.00	1.07	2.97	1.62	0.62	0.00	0.00	0.00	0.00	1.53	3.77
1810	1.42	0.66	0.00	0.00	0.00	0.00	1.17	3.25	1.78	0.68	0.00	0.00	0.00	0.00	1.67	4.13
1815	1.58	0.73	0.00	0.00	0.00	0.00	1.30	3.61	1.97	0.75	0.00	0.00	0.00	0.00	1.85	4.57
1820	1.82	0.85	0.00	0.00	0.00	0.00	1.50	4.17	2.27	0.87	0.00	0.00	0.00	0.00	2.14	5.28
1825	1.98	0.92	0.00	0.00	0.00	0.00	1.63	4.53	2.47	0.95	0.00	0.00	0.00	0.00	2.32	5.74
1830	2.43	1.13	0.00	0.00	0.00	0.00	2.00	5.56	3.03	1.16	0.00	0.00	0.00	0.00	2.85	7.04
1835	2.79	1.30	0.00	0.00	0.00	0.00	2.30	6.39	3.49	1.33	0.00	0.00	0.00	0.00	3.28	8.10
1845	0.32	0.15	0.00	0.00	0.00	0.00	0.27	0.74	0.40	0.15	0.00	0.00	0.00	0.00	0.38	0.93
1850	0.39	0.18	0.00	0.00	0.00	0.00	0.33	0.90	0.49	0.19	0.00	0.00	0.00	0.00	0.46	1.14
1855	0.49	0.23	0.00	0.00	0.00	0.00	0.40	1.12	0.61	0.23	0.00	0.00	0.00	0.00	0.58	1.42
1860	0.59	0.27	0.00	0.00	0.00	0.00	0.48	1.34	0.73	0.28	0.00	0.00	0.00	0.00	0.69	1.70
1865	0.68	0.31	0.00	0.00	0.00	0.00	0.56	1.55	0.84	0.32	0.00	0.00	0.00	0.00	0.79	1.95
1870	0.81	0.38	0.00	0.00	0.00	0.00	0.66	1.85	1.01	0.39	0.00	0.00	0.00	D.00	0.95	2.35
1875	0.89	0.42	0.00	0.00	0.00	0.00	0.73	2.04	1.11	0.43	0.00	0.00	0.00	0.00	1.05	2.59
1880	1.07	0.50	0.00	0.00	0.00	0.00	0.88	2.45	1.34	0.51	0.00	0.00	0.00	0.00	1.26	3.11
1885	1.15	0.53	0.00	0.00	0.00	0.00	0.94	2.62	1.43	0.55	0.00	0.00	0.00	0.00	1.35	3.33
1890	1.47	0.69	0.00	0.00	0.00	0.00	1.21	3.37	1.84	0.70	0.00	0.00	0.00	0.00	1.73	4.27
1895	1.52	0.71	0.00	0.00	0.00	0.00	1.25	3.48	1.90	0.73	0.00	0.00	0.00	0.00	1.79	4.42
1900	1.74	0.81	0.00	0.00	0.00	0.00	1.43	3.98	2.17	0.83	0.00	0.00	0.00	0.00	2.04	5.04
1905	1.91	0.89	0.00	0.00	0.00	0.00	1.57	4.37	2.39	0.91	0.00	0.00	0.00	0.00	2.25	5.55
1910	2.29	1.07	0.00	0.00	0.00	0.00	1.88	5.24	2.86	1.09	0.00	0.00	0.00	0.00	2.69	6.64
1915	2.44	1.14	0.00	0.00	0.00	0.00	2.01	5.59	3.05	1.17	0.00	0.00	0.00	0.00	2.87	7.09
1920	3.11	1.45	0.00	0.00	0.00	0.00	2.56	7.12	3.88	1.49	0.00	0.00	0.00	0.00	3.65	9.02
1925	3.46	1.61	0.00	0.00	0.00	0.00	2.85	7.92	4.32	1.65	0.00	0.00	0.00	0.00	4.07	10.04
1935	1.29	0.60	0.00	0.00	0.00	0.00	1.06	2.95	1.61	0.62	0.00	0.00	0.00	0.00	1.52	3.75
1940	1.34	0.62	0.00	0.00	0.00	0.00	1.10	3.06	1.68	0.64	0.00	0.00	0.00	0.00	1.58	3.90
1945	1.50	0.70	0.00	0.00	0.00	0.00	1.24	3.44	1.88	0.72	0.00	0.00	0.00	0.00	1.77	4.37

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE	
1950	2.01	0.91	0.00	0.00	0.00	0.00	1.65	4.60	2.51	0.96	0.00	0.00	0.00	0.00	2.36	5.83
1955	2.25	1.05	0.00	0.00	0.00	0.00	1.95	5.15	2.81	1.07	0.00	0.00	0.00	0.00	2.64	6.52
1960	2.32	1.08	0.00	0.00	0.00	0.00	1.91	5.31	2.90	1.11	0.00	0.00	0.00	0.00	2.73	6.74
1965	2.48	1.16	0.00	0.00	0.00	0.00	2.04	5.68	3.11	1.19	0.00	0.00	0.00	0.00	2.92	7.22
1970	3.16	1.47	0.00	0.00	0.00	0.00	2.60	7.23	3.95	1.51	0.00	0.00	0.00	0.00	3.72	9.18
1975	3.25	1.51	0.00	0.00	0.00	0.00	2.68	7.44	4.06	1.55	0.00	0.00	0.00	0.00	3.82	9.43
1980	4.14	1.93	0.00	0.00	0.00	0.00	3.41	9.48	5.17	1.98	0.00	0.00	0.00	0.00	4.86	12.01
1985	4.27	1.99	0.00	0.00	0.00	0.00	3.52	9.78	5.34	2.04	0.00	0.00	0.00	0.00	5.02	12.40
1990	5.08	2.37	0.00	0.00	0.00	0.00	4.18	11.63	6.35	2.43	0.00	0.00	0.00	0.00	5.98	14.76
1995	5.35	2.49	0.00	0.00	0.00	0.00	4.41	12.25	6.69	2.56	0.00	0.00	0.00	0.00	6.29	15.54
2005	0.36	0.40	0.00	0.00	0.00	0.00	0.71	1.97	1.07	0.41	0.00	0.00	0.00	0.00	1.01	2.49
2010	1.10	0.51	0.00	0.00	0.00	0.00	0.90	2.51	1.37	0.53	0.00	0.00	0.00	0.00	1.29	3.19
2015	1.50	0.70	0.00	0.00	0.00	0.00	1.24	3.44	1.88	0.72	0.00	0.00	0.00	0.00	1.77	4.37
2020	1.99	0.93	0.00	0.00	0.00	0.00	1.64	4.56	2.49	0.95	0.00	0.00	0.00	0.00	2.34	5.78
2025	2.97	1.39	0.00	0.00	0.00	0.00	2.45	6.81	3.72	1.42	0.00	0.00	0.00	0.00	3.50	8.64
2030	3.39	1.58	0.00	0.00	0.00	0.00	2.79	7.76	4.24	1.62	0.00	0.00	0.00	0.00	3.99	9.85
2035	4.11	1.91	0.00	0.00	0.00	0.00	3.38	9.40	5.14	1.97	0.00	0.00	0.00	0.00	4.83	11.94
2040	5.00	2.33	0.00	0.00	0.00	0.00	4.11	11.44	6.25	2.39	0.00	0.00	0.00	0.00	5.88	14.52
2045	6.06	2.82	0.00	0.00	0.00	0.00	4.99	13.87	7.58	2.90	0.00	0.00	0.00	0.00	7.13	17.61
2050	7.04	3.28	0.00	0.00	0.00	0.00	5.79	16.11	8.80	3.37	0.00	0.00	0.00	0.00	8.27	20.44
2060	0.22	0.07	0.33	0.08	0.00	0.00	0.29	0.99								
2065	0.17	0.06	0.33	0.08	0.00	0.00	0.23	0.87								
2070	0.23	0.08	0.55	0.13	0.00	0.00	0.31	1.30								
2075	0.30	0.10	0.55	0.13	0.00	0.00	0.40	1.48								
2080	0.39	0.13	0.66	0.16	0.00	0.00	0.52	1.86								
2085	0.15	0.05	0.33	0.08	0.00	0.00	0.20	0.81								
2090	0.24	0.08	0.77	0.18	0.00	0.00	0.32	1.59								
2095	0.22	0.07	0.44	0.11	0.00	0.00	0.30	1.14								
2100	0.28	0.09	0.44	0.11	0.00	0.00	0.38	1.30								
2105	0.19	0.06	0.44	0.11	0.00	0.00	0.26	1.06								
2110	0.40	0.13	0.26	0.06	0.00	0.00	0.54	1.39								
2115	0.68	0.23	0.26	0.06	0.00	0.00	0.92	2.15								
2120	1.19	0.40	0.26	0.06	0.00	0.00	1.62	3.53								
2125	0.93	0.31	0.26	0.06	0.00	0.00	1.25	2.81								
2130	1.15	0.38	0.21	0.05	0.00	0.00	1.56	3.35								
2135	1.60	0.53	0.42	0.10	0.00	0.00	2.16	4.81								
2140	1.99	0.66	0.68	0.16	0.00	0.00	2.68	6.17								
2145	0.44	0.15	0.99	0.24	0.00	0.00	0.60	2.42								
2150	0.47	0.16	0.37	0.09	0.00	0.00	0.63	1.72								
2155	0.75	0.25	0.52	0.13	0.00	0.00	1.01	2.66								
2160	1.53	0.51	0.52	0.13	0.00	0.00	2.07	4.76								
2165	1.48	0.49	0.42	0.10	0.00	0.00	2.00	4.49								
2170	1.57	0.56	0.42	0.10	0.00	0.00	2.26	5.01								
2180	0.20	0.07	0.43	0.14	0.00	0.00	0.22	1.06								
2190	0.19	0.06	0.60	0.19	0.00	0.00	0.21	1.25								
2195	0.76	0.25	1.37	0.44	0.00	0.00	0.82	3.64								
2200	0.97	0.32	1.37	0.44	0.00	0.00	1.05	4.15								
2210	0.07	0.03	0.03	0.01	0.02	0.00	0.08	0.24								
2215	0.07	0.03	0.03	0.01	0.02	0.00	0.08	0.24								
2220	0.25	0.09	0.60	0.19	0.02	0.00	0.27	1.42								
2225	0.20	0.07	0.60	0.19	0.02	0.00	0.22	1.30								
2235	10.56	5.40	5.34	1.50	0.00	0.00	11.96	34.76								
2240	18.62	9.52	7.82	2.19	0.00	0.00	21.08	59.23								
2245	32.90	16.83	9.40	2.63	0.00	0.00	37.25	99.01								
2255	2.15	1.11	5.19	1.66	0.04	0.01	2.44	12.60								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
2260	9.62	4.92	3.76	1.05	0.00	0.00	10.89	30.24								
2270	2.15	1.04	0.57	0.19	0.06	0.01	2.82	6.94								
2275	2.42	1.16	1.11	0.31	0.04	0.01	3.16	8.21								
2280	0.91	0.43	0.00	0.19	0.00	0.00	1.18	2.71								
2285	1.46	0.69	0.00	0.30	0.00	0.00	1.90	4.35								
2295	3.92	1.86	3.44	0.96	0.02	0.00	5.11	15.31								
2305	4.99	2.36	6.10	1.71	0.02	0.00	6.50	21.68								
2310	12.65	6.04	13.64	3.82	0.23	0.03	16.53	52.94								
2320	4.41	2.09	3.71	1.04	0.02	0.00	5.76	17.03								
2325	6.84	3.27	8.43	2.36	0.12	0.02	8.94	29.98								
2330	7.03	3.36	8.43	2.36	0.12	0.02	9.19	30.51								
2335	13.17	6.37	11.37	3.18	0.57	0.09	17.26	52.01								
2340	19.27	9.25	11.37	3.18	0.58	0.09	25.21	68.95								
2345	24.06	11.56	15.53	4.35	0.77	0.12	31.49	87.88								
2350	24.34	11.70	15.53	4.35	0.77	0.12	31.86	88.67								
2360	0.12	0.05	0.88	0.28	0.00	0.00	0.15	1.48								
2365	0.14	0.06	1.32	0.42	0.00	0.00	0.17	2.11								
2370	0.15	0.06	1.54	0.49	0.00	0.00	0.18	2.42								
2375	0.34	0.14	1.54	0.49	0.00	0.00	0.41	2.92								
2380	0.44	0.19	1.98	0.63	0.00	0.00	0.54	3.78								
2385	0.45	0.19	2.53	0.81	0.00	0.00	0.55	4.53								
2390	0.75	0.32	3.30	1.06	0.00	0.00	0.91	6.34								
2395	0.92	0.39	7.16	2.29	0.00	0.00	1.12	11.88								
2405	11.34	7.36	2.76	0.50	0.00	0.00	11.23	33.79	14.33	7.48	3.50	0.63	0.00	0.00	15.40	41.34
2410	13.04	9.89	3.39	0.61	0.00	0.00	14.02	40.95	15.05	9.99	4.29	0.77	0.00	0.00	18.19	48.29
2415	13.44	10.19	2.71	0.49	0.00	0.00	10.83	37.66	15.51	10.29	3.50	0.63	0.00	0.00	13.54	43.47
2425	14.25	10.81	2.71	0.49	0.00	0.00	11.49	39.75	16.45	10.91	3.50	0.63	0.00	0.00	14.36	45.85
2435	15.09	11.44	2.71	0.49	0.00	0.00	12.16	41.89	17.42	11.56	3.50	0.63	0.00	0.00	15.20	48.31
2445	18.19	13.79	4.99	0.90	0.00	0.00	19.55	57.42	20.99	13.93	6.32	1.14	0.00	0.00	25.38	67.76
2450	17.82	13.51	3.99	0.72	0.00	0.00	14.36	50.40	20.57	13.65	5.16	0.93	0.00	0.00	17.95	58.26
2460	15.84	14.25	3.99	0.72	0.00	0.00	14.90	49.70	17.82	14.35	5.16	0.93	0.00	0.00	17.96	56.22
2470	20.18	18.16	3.99	0.72	0.00	0.00	18.97	62.02	22.70	18.28	5.16	0.93	0.00	0.00	22.87	69.94
2480	26.60	23.93	6.82	1.23	0.00	0.00	25.01	83.59	29.93	24.10	8.81	1.59	0.00	0.00	30.15	94.58
2490	27.81	25.02	6.82	1.23	0.00	0.00	26.15	87.03	31.29	25.19	8.81	1.59	0.00	0.00	31.52	98.40
2495	24.90	24.87	8.52	1.53	0.00	0.00	32.22	92.04	28.01	25.02	10.80	1.94	0.00	0.00	40.27	106.04
2505	31.54	28.38	6.82	1.23	0.00	0.00	29.66	97.63	35.49	28.58	8.81	1.59	0.00	0.00	35.75	110.22
2515	27.60	30.48	6.82	1.23	0.00	0.00	31.75	97.88	30.67	30.63	8.81	1.59	0.00	0.00	37.48	109.18
2525	29.87	32.98	6.82	1.23	0.00	0.00	34.35	105.25	33.18	33.15	8.81	1.59	0.00	0.00	40.56	117.29
2540	12.52	7.72	3.42	0.61	0.00	0.00	11.77	36.04	15.03	7.84	4.33	0.78	0.00	0.00	16.15	44.13
2545	10.59	8.02	2.73	0.49	0.00	0.00	8.53	30.36	12.22	8.11	3.53	0.64	0.00	0.00	10.66	35.16
2555	20.72	10.81	4.99	0.90	0.00	0.00	22.26	59.68	25.89	11.07	6.56	1.18	0.00	0.00	31.30	76.00
2560	13.58	10.29	4.28	0.77	0.00	0.00	14.59	43.51	15.67	10.40	5.42	0.98	0.00	0.00	18.94	51.41
2565	13.65	10.34	3.42	0.62	0.00	0.00	11.00	39.03	15.74	10.45	4.42	0.80	0.00	0.00	13.75	45.16
2575	28.97	15.12	6.17	1.11	0.00	0.00	31.12	82.49	36.21	15.47	8.11	1.46	0.00	0.00	43.77	105.02
2580	19.61	14.86	5.29	0.95	0.00	0.00	21.07	61.78	22.62	15.01	6.70	1.21	0.00	0.00	27.35	72.89
2590	37.28	20.82	7.10	1.28	0.00	0.00	42.28	108.76	44.74	21.18	9.34	1.68	0.00	0.00	56.38	133.32
2595	35.71	19.94	7.10	1.28	0.00	0.00	40.50	104.53	42.85	20.29	9.34	1.68	0.00	0.00	54.00	128.16
2600	21.07	21.04	6.09	1.10	0.00	0.00	27.26	76.56	23.70	21.17	7.71	1.39	0.00	0.00	34.08	88.05
2605	22.20	19.97	4.87	0.88	0.00	0.00	20.87	68.79	24.98	20.11	6.29	1.13	0.00	0.00	25.16	77.67
2615	27.66	24.88	5.77	1.04	0.00	0.00	26.00	85.35	31.11	25.05	7.46	1.34	0.00	0.00	31.34	96.30
2620	24.66	24.63	7.22	1.30	0.00	0.00	31.91	89.72	27.74	24.78	9.14	1.65	0.00	0.00	39.88	103.19
2630	45.12	25.19	8.52	1.53	0.00	0.00	51.17	131.53	54.14	25.64	11.20	2.02	0.00	0.00	68.23	161.23
2635	42.72	23.85	8.52	1.53	0.00	0.00	48.45	125.07	51.26	24.27	11.20	2.02	0.00	0.00	64.60	153.35
2640	24.23	24.21	7.31	1.32	0.00	0.00	31.36	88.43	27.26	24.36	9.25	1.67	0.00	0.00	39.20	101.74
2650	53.94	34.69	12.65	2.28	0.00	0.00	74.77	178.33	62.92	35.13	16.62	2.99	0.00	0.00	87.23	204.89

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE		
2655	26.72	29.51	10.84	1.95	0.00	0.00	38.42	107.44	29.69	29.66	13.73	2.47	0.00	0.00	46.96	122.51
2670	10.37	7.86	2.61	0.47	0.00	0.00	8.36	29.67	11.97	7.94	3.38	0.61	0.00	0.00	10.45	34.35
2680	13.20	11.88	3.92	0.71	0.00	0.00	12.41	42.12	14.85	11.96	5.06	0.91	0.00	0.00	14.96	47.74
2690	18.17	16.34	4.04	0.73	0.00	0.00	17.08	56.36	20.44	16.46	5.22	0.94	0.00	0.00	20.59	63.65
2700	29.07	26.16	5.82	1.05	0.00	0.00	27.33	89.43	32.71	26.34	7.52	1.35	0.00	0.00	32.95	100.87
2715	17.87	17.85	8.52	1.53	0.00	0.00	23.12	68.89	20.10	17.96	10.80	1.94	0.00	0.00	28.90	79.70
2720	20.68	18.61	6.82	1.23	0.00	0.00	19.45	66.79	23.27	18.74	8.81	1.59	0.00	0.00	23.44	75.85
2730	22.72	22.70	9.89	1.78	0.00	0.00	29.40	86.49	25.56	22.84	12.53	2.25	0.00	0.00	36.76	99.94
2735	24.64	22.17	7.91	1.42	0.00	0.00	23.17	79.31	27.72	22.32	10.22	1.84	0.00	0.00	27.92	90.02
2745	30.24	30.21	10.69	1.92	0.00	0.00	39.13	112.19	34.02	30.39	13.54	2.44	0.00	0.00	48.92	129.31
2750	27.56	30.44	8.55	1.54	0.00	0.00	31.70	99.79	30.62	30.59	11.05	1.99	0.00	0.00	37.43	111.68
2760	42.23	46.64	16.28	2.93	0.00	0.00	48.58	156.66	46.92	46.87	21.02	3.78	0.00	0.00	57.35	175.94
2765	43.01	47.50	20.34	3.66	0.00	0.00	61.94	176.35	47.79	47.73	25.77	4.64	0.00	0.00	75.58	201.51
2780	13.63	10.34	7.07	1.27	0.00	0.00	14.65	46.96	15.73	10.44	8.95	1.61	0.00	0.00	19.02	55.75
2785	13.48	10.22	5.65	1.02	0.00	0.00	10.87	41.24	15.56	10.32	7.30	1.31	0.00	0.00	13.58	48.07
2795	34.40	17.95	9.11	1.64	0.00	0.00	36.97	100.07	43.00	18.38	11.98	2.16	0.00	0.00	51.99	127.51
2800	19.68	14.91	7.81	1.41	0.00	0.00	21.14	64.95	22.70	15.06	9.89	1.78	0.00	0.00	27.45	76.88
2805	19.47	14.76	6.25	1.12	0.00	0.00	15.69	57.29	22.46	14.90	8.07	1.45	0.00	0.00	19.61	66.49
2815	19.14	19.12	7.81	1.41	0.00	0.00	24.77	72.25	21.53	19.24	9.89	1.78	0.00	0.00	30.96	83.40
2820	20.31	18.27	6.25	1.12	0.00	0.00	19.10	65.05	22.85	18.40	8.07	1.45	0.00	0.00	23.02	73.79
2830	50.58	28.24	12.40	2.23	0.00	0.00	57.37	150.82	60.70	28.74	16.30	2.93	0.00	0.00	76.50	185.17
2835	26.64	26.61	10.63	1.91	0.00	0.00	34.48	100.27	29.97	26.78	13.47	2.42	0.00	0.00	43.10	115.74
2840	29.53	26.57	8.51	1.53	0.00	0.00	27.77	93.91	33.23	26.75	10.99	1.98	0.00	0.00	33.47	106.42
2850	25.32	27.96	12.77	2.30	0.00	0.00	36.40	104.75	28.13	28.10	16.18	2.91	0.00	0.00	44.49	119.81
2855	32.00	28.79	10.22	1.84	0.00	0.00	30.09	102.94	36.00	28.99	13.20	2.38	0.00	0.00	36.27	116.84
2870	15.72	11.92	4.16	0.75	0.00	0.00	16.89	49.44	18.14	12.04	5.27	0.95	0.00	0.00	21.93	58.33
2875	13.36	12.02	3.33	0.60	0.00	0.00	12.56	41.87	15.03	12.10	4.30	0.77	0.00	0.00	15.14	47.34
2885	19.65	14.89	5.88	1.06	0.00	0.00	21.11	62.59	22.67	15.04	7.45	1.34	0.00	0.00	27.41	73.91
2890	16.82	15.13	4.70	0.85	0.00	0.00	15.31	53.31	18.92	15.23	6.08	1.09	0.00	0.00	19.06	60.38
2895	18.44	18.42	7.01	1.26	0.00	0.00	23.86	68.99	20.74	18.53	8.88	1.60	0.00	0.00	29.83	79.58
2900	20.45	18.40	5.61	1.01	0.00	0.00	19.23	64.70	23.01	18.53	7.24	1.30	0.00	0.00	23.18	73.26
2905	51.52	56.90	8.98	1.62	0.00	0.00	59.27	178.29	57.25	57.18	11.60	2.09	0.00	0.00	69.97	198.09
2915	5.07	4.28	4.21	1.18	0.89	0.13	4.82	20.58								
2920	5.45	4.59	4.33	1.21	0.89	0.13	5.18	21.78								
2925	6.06	5.15	4.33	1.21	1.21	0.18	5.77	23.91								
2930	6.66	5.64	4.33	1.21	1.25	0.19	6.33	25.61								
2935	8.90	7.51	5.87	1.64	1.09	0.16	8.45	33.62								
2940	12.26	10.46	5.40	1.79	2.66	0.40	11.67	45.64								
2945	14.53	12.48	6.40	1.79	3.49	0.52	13.85	53.06								
2950	18.05	15.38	7.82	2.19	3.76	0.56	17.18	64.94								
2955	23.10	19.84	8.65	2.42	5.53	0.83	22.02	82.39								
2960	43.96	37.43	19.26	5.39	9.11	1.37	41.82	158.34								
2970	5.36	4.43	4.51	1.26	0.54	0.08	5.07	21.25								
2975	5.73	4.73	4.51	1.26	0.54	0.08	5.42	22.27								
2980	6.14	5.06	4.51	1.26	0.54	0.08	5.80	23.39								
2990	5.35	4.43	4.70	1.32	0.54	0.08	5.06	21.48								
2995	5.51	4.55	4.70	1.32	0.54	0.08	5.21	21.91								
3000	5.70	4.71	4.70	1.32	0.54	0.08	5.39	22.44								
3005	6.42	5.38	4.70	1.32	0.93	0.14	6.09	24.98								
3010	8.16	6.86	5.83	1.63	1.27	0.19	7.74	31.68								
3015	8.41	7.06	5.83	1.63	1.27	0.19	7.98	32.37								
3020	8.71	7.30	5.83	1.63	1.27	0.19	8.26	33.19								
3025	11.46	9.82	7.60	2.13	2.65	0.40	10.92	44.99								
3030	11.88	10.16	7.60	2.13	2.66	0.40	11.32	46.15								
3035	12.35	10.54	7.60	2.13	2.66	0.40	11.76	47.44								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS						
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE
3040	15.83	13.58	8.84	2.48	3.76	0.56	15.08	60.13						
3050	4.80	3.96	4.44	1.24	0.44	0.07	4.54	19.49						
3055	4.91	4.07	4.44	1.24	0.54	0.08	4.64	19.92						
3060	5.10	4.22	4.44	1.24	0.54	0.08	4.82	20.44						
3065	5.81	4.89	4.44	1.24	0.93	0.14	5.52	22.97						
3070	13.01	11.07	7.07	1.98	2.66	0.40	12.38	48.57						
3080	8.69	8.02	6.35	1.65	0.75	0.11	7.04	32.61	9.78	8.07	8.14	2.12	0.90	0.14 8.58
3085	15.19	13.91	9.07	2.36	0.93	0.14	12.29	53.89	17.09	14.01	11.68	3.04	1.14	0.17 14.97
3095	9.82	7.58	6.47	1.68	0.50	0.07	6.62	32.74	11.33	7.65	8.51	2.21	0.61	0.09 8.40
3100	9.85	9.11	7.64	1.99	0.92	0.14	7.99	37.64	11.08	9.17	10.05	2.61	1.13	0.17 9.73
3105	12.32	11.33	8.01	2.08	0.93	0.14	9.97	44.78	13.86	11.41	10.54	2.74	1.14	0.17 12.15
3110	16.18	16.72	9.24	2.40	2.44	0.37	15.34	62.69	17.98	16.81	11.88	3.09	3.02	0.45 18.26
3115	25.21	25.69	9.57	2.49	2.44	0.37	23.83	89.60	28.01	25.84	12.26	3.19	3.02	0.45 28.36
3120	26.85	30.05	14.66	3.81	3.19	0.48	29.02	108.06	29.53	30.19	18.88	4.91	3.94	0.59 33.92
3130	9.68	7.50	8.13	2.11	0.60	0.09	6.53	34.64	11.17	7.57	10.69	2.78	0.74	0.11 8.29
3135	9.52	8.74	8.13	2.11	0.66	0.10	7.70	36.96	10.71	8.80	10.69	2.78	0.82	0.12 9.33
3140	11.60	10.65	9.18	2.39	0.79	0.12	9.39	44.12	13.05	10.72	12.08	3.14	0.97	0.14 11.41
3150	10.08	7.77	7.90	2.05	0.50	0.07	6.79	35.16	11.63	7.85	10.39	2.70	0.61	0.09 8.62
3155	10.65	9.82	9.18	2.39	0.88	0.13	8.63	41.68	11.98	9.88	12.08	3.14	1.08	0.16 10.52
3160	11.56	10.63	8.95	2.33	0.88	0.13	9.36	43.84	13.01	10.71	11.78	3.06	1.08	0.16 11.41
3165	16.62	17.15	13.73	3.57	2.44	0.37	15.75	69.63	18.46	17.25	18.07	4.70	3.02	0.45 18.75
3175	15.62	14.48	5.98	1.56	1.63	0.24	12.67	52.18	17.58	14.58	7.63	1.98	2.01	0.30 15.44
3180	14.51	14.85	5.98	1.56	1.63	0.24	13.72	52.49	16.12	14.93	7.63	1.98	2.01	0.30 16.34
3185	17.90	18.22	9.61	2.50	1.63	0.24	16.92	67.02	19.89	18.32	12.41	3.23	2.01	0.30 20.14
3190	20.43	20.84	10.45	2.72	2.07	0.31	19.31	76.13	22.70	20.96	13.39	3.48	2.56	0.38 22.99
3195	26.16	29.02	12.52	3.25	2.07	0.31	28.22	101.55	28.78	29.15	16.11	4.19	2.56	0.38 32.99
3200	34.72	39.06	13.93	3.62	4.86	0.73	37.57	134.49	38.20	39.23	17.86	4.64	6.00	0.90 43.91
3210	13.23	12.33	5.79	1.51	1.63	0.24	10.74	45.47	14.88	12.41	7.38	1.92	2.01	0.30 13.09
3215	19.73	20.09	8.42	2.19	1.81	0.27	18.65	71.16	21.93	20.20	10.75	2.79	2.24	0.34 22.20
3220	20.26	22.59	8.65	2.25	2.07	0.31	21.88	78.01	22.29	22.70	11.05	2.87	2.56	0.38 25.58
3230	14.26	13.26	6.04	1.57	1.63	0.24	11.57	48.57	16.05	13.35	7.69	2.00	2.01	0.30 14.11
3235	14.81	15.14	7.38	1.92	1.63	0.24	14.00	55.12	16.45	15.22	9.45	2.46	2.01	0.30 16.67
3240	18.17	18.53	9.78	2.54	1.81	0.27	17.17	68.27	20.19	18.63	12.59	3.27	2.24	0.34 20.45
3245	20.16	22.50	10.29	2.68	2.07	0.31	21.78	79.79	22.18	22.60	13.24	3.44	2.53	0.38 25.45
3255	12.07	9.32	4.44	1.16	0.65	0.10	8.14	35.88	13.93	9.41	5.65	1.47	0.82	0.12 10.33
3260	11.27	10.34	4.70	1.22	0.76	0.11	9.12	37.52	12.68	10.41	5.96	1.55	0.94	0.14 11.12
3265	12.63	11.62	4.97	1.29	0.98	0.15	10.23	41.87	14.21	11.70	6.31	1.64	1.21	0.18 12.47
3270	16.15	14.96	6.72	1.75	1.63	0.24	13.10	54.55	18.17	15.06	8.60	2.24	2.01	0.30 15.96
3275	16.40	16.72	6.85	1.78	1.63	0.24	15.50	59.12	18.22	16.82	8.75	2.28	2.01	0.30 18.45
3280	17.89	18.33	8.46	2.20	2.07	0.31	16.93	66.19	19.88	18.43	10.76	2.80	2.56	0.38 20.16
3285	21.96	22.37	9.17	2.38	2.07	0.31	20.75	79.01	24.40	22.49	11.70	3.04	2.56	0.38 24.70
3290	21.19	23.61	10.34	2.69	2.07	0.31	22.88	83.09	23.31	23.71	13.24	3.44	2.56	0.38 26.75
3295	46.66	51.67	16.83	4.37	3.42	0.51	50.31	173.77	51.32	51.91	21.67	5.63	4.22	0.63 58.81
3305	11.00	10.98	2.16	5.96	0.00	0.00	12.65	42.75						
3310	0.48	0.48	0.00	0.00	0.00	0.00	0.55	1.51						
3315	1.77	1.77	0.00	0.00	0.00	0.00	2.04	5.58						
3320	13.84	13.82	3.78	6.77	0.00	0.00	15.91	54.12						
3325	0.48	0.48	0.00	0.00	0.00	0.00	0.55	1.51						
3330	1.77	1.77	0.00	0.00	0.00	0.00	2.04	5.58						
3335	16.94	16.92	3.78	6.77	0.00	0.00	19.48	63.89						
3340	0.61	0.61	0.00	0.00	0.00	0.00	0.70	1.92						
3345	1.84	1.84	0.00	0.00	0.00	0.00	2.12	5.80						
3350	19.62	19.60	5.94	7.85	0.00	0.00	22.57	75.58						
3355	0.65	0.65	0.00	0.00	0.00	0.00	0.74	2.04						
3360	3.49	3.49	0.00	0.00	0.00	0.00	4.02	11.00						

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	GFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	GFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
3365	20.80	20.77	5.94	7.85	0.00	0.00	23.92	79.28								
3370	0.61	0.61	0.00	0.00	0.00	0.00	0.70	1.92								
3375	3.65	3.65	0.00	0.00	0.00	0.00	4.20	11.50								
3385	5.65	2.94	0.00	0.34	0.00	0.00	6.72	15.65								
3390	5.19	2.70	0.00	0.50	0.00	0.00	6.17	14.56								
3395	5.91	3.07	0.00	0.67	0.00	0.00	7.02	16.67								
3400	6.99	3.63	0.00	0.67	0.00	0.00	8.31	19.60								
3405	7.79	4.04	0.00	0.84	0.00	0.00	9.26	21.93								
3415	6.40	3.32	0.00	0.48	0.00	0.00	7.61	17.81								
3420	6.97	3.62	0.00	0.64	0.00	0.00	8.29	19.52								
3425	7.93	4.12	0.00	1.01	0.00	0.00	9.42	22.48								
3435	5.71	2.96	0.00	0.55	0.00	0.00	6.78	16.00								
3440	6.50	3.37	0.00	0.55	0.00	0.00	7.72	18.14								
3445	7.94	4.12	0.00	0.82	0.00	0.00	9.44	22.32								
3455	1.39	0.72	0.00	0.31	0.00	0.00	1.65	4.07								
3460	0.89	0.46	0.00	0.31	0.00	0.00	1.06	2.72								
3465	0.13	0.07	0.00	0.25	0.00	0.00	0.16	0.61								
3475	2.11	1.09	2.05	0.49	0.00	0.00	2.51	8.25								
3480	1.48	0.77	0.93	0.22	0.00	0.00	1.76	5.16								
3490	1.33	0.69	1.18	0.19	0.00	0.00	1.58	4.97								
3495	2.02	1.05	3.04	0.49	0.00	0.00	2.40	9.00								
3500	2.41	1.25	1.86	0.45	0.00	0.00	2.86	8.83								
3505	2.77	1.44	2.51	0.60	0.00	0.00	3.29	10.61								
3510	3.32	1.73	2.79	0.67	0.00	0.00	3.95	12.46								
3520	1.26	0.66	1.76	0.28	0.00	0.00	1.50	5.46								
3525	1.95	1.01	2.28	0.55	0.00	0.00	2.32	8.11								
3535	16.23	12.42	14.15	3.39	1.23	0.18	19.35	66.95								
3545	15.12	11.58	10.47	2.51	1.22	0.18	18.03	59.11								
3550	23.13	17.70	15.59	3.74	1.68	0.25	27.58	89.67								
3555	24.64	18.83	16.29	3.91	1.68	0.25	29.37	94.97								
3560	17.94	13.52	19.08	4.58	0.00	0.00	21.32	76.44								
3565	19.83	14.95	19.08	4.58	0.00	0.00	23.58	82.02								
3570	22.45	22.20	19.08	4.58	0.00	0.00	26.68	94.99								
3575	41.39	40.93	20.30	10.15	0.00	0.00	24.60	137.37								
3595	1.23	0.66	0.65	0.29	0.05	0.01	1.17	4.06								
3600	1.23	0.66	0.65	0.29	0.06	0.01	1.17	4.07								
3605	1.29	0.70	0.65	0.29	0.08	0.01	1.23	4.25								
3610	1.79	0.96	1.15	0.52	0.09	0.01	1.71	6.23								
3615	1.93	0.98	1.15	0.52	0.09	0.01	1.74	6.32								
3620	2.03	1.08	1.69	0.76	0.09	0.01	1.93	7.59								
3625	2.49	1.34	1.91	0.86	0.14	0.02	2.37	9.13								
3630	2.62	1.40	1.91	0.86	0.12	0.02	2.49	9.42								
3635	2.79	1.48	1.91	0.86	0.08	0.01	2.65	9.78								
3640	1.19	0.63	2.95	0.71	0.03	0.00	1.13	6.64								
3645	1.54	0.83	3.83	0.92	0.11	0.02	1.47	8.72								
3650	1.53	0.85	3.83	0.92	0.19	0.03	1.47	8.83								
3655	2.18	1.18	5.03	1.21	0.13	0.02	2.08	11.83								
3660	2.21	1.19	5.03	1.21	0.13	0.02	2.10	11.89								
3665	2.30	1.24	5.03	1.21	0.13	0.02	2.19	12.12								
3670	3.31	1.78	5.27	1.26	0.19	0.03	3.15	14.99								
3675	3.57	1.92	2.63	0.63	0.19	0.03	3.40	12.37								
3680	4.63	2.54	4.70	1.13	0.45	0.07	4.43	17.95								
3685	5.06	2.77	4.70	1.13	0.45	0.07	4.84	19.02								
3690	5.24	2.85	4.70	1.13	0.43	0.06	5.00	19.38								
3695	5.82	3.19	4.70	1.13	0.57	0.09	5.56	21.06								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
3700	2.05	1.12	2.56	0.61	0.20	0.03	1.96	8.53								
3705	2.10	1.15	2.56	0.61	0.20	0.03	2.01	8.66								
3710	2.56	1.39	2.56	0.61	0.20	0.03	2.44	9.79								
3715	2.64	1.45	2.56	0.61	0.25	0.04	2.52	10.07								
3725	1.97	1.06	5.03	1.21	0.12	0.02	1.87	11.28								
3730	2.25	1.21	6.39	1.53	0.13	0.02	2.14	13.67								
3735	3.46	1.85	9.26	2.22	0.16	0.02	3.29	20.26								
3740	4.74	2.60	10.14	2.43	0.45	0.07	4.53	24.96								
3745	5.43	2.96	10.14	2.43	0.45	0.07	5.18	26.66								
3750	5.63	3.08	10.14	2.43	0.53	0.08	5.38	27.27								
3755	6.29	3.40	10.14	2.43	0.43	0.06	6.00	28.75								
3760	12.04	6.54	15.17	3.64	0.94	0.14	11.49	49.96								
3775	2.06	0.88	4.85	1.16	0.00	0.00	1.66	10.61		2.36	0.90	6.39	1.53	0.00	0.00	2.22
3780	2.43	1.04	7.52	1.81	0.00	0.00	1.96	14.76		2.78	1.06	9.90	2.38	0.00	0.00	2.61
3785	2.77	1.18	8.28	1.99	0.00	0.00	2.23	16.45		3.16	1.20	10.89	2.61	0.00	0.00	2.97
3790	2.94	1.26	9.78	2.35	0.00	0.00	2.37	18.70		3.36	1.28	12.87	3.09	0.00	0.00	3.15
3795	3.32	1.42	11.10	2.66	0.00	0.00	2.68	21.18		3.80	1.44	14.60	3.50	0.00	0.00	3.57
3800	3.88	1.66	12.41	2.98	0.00	0.00	3.13	24.06		4.44	1.69	16.33	3.92	0.00	0.00	4.17
3805	4.22	1.80	14.67	3.52	0.00	0.00	3.40	27.61		4.83	1.83	19.30	4.63	0.00	0.00	4.54
3810	7.70	3.29	15.99	3.84	0.00	0.00	5.20	37.02		8.80	3.34	21.04	5.05	0.00	0.00	8.27
3815	5.83	2.49	16.55	3.97	0.00	0.00	4.69	33.53		6.66	2.53	21.78	5.23	0.00	0.00	6.26
3820	6.77	2.89	23.51	5.64	0.00	0.00	5.46	44.27		7.74	2.94	30.94	7.42	0.00	0.00	7.28
3825	10.31	4.40	27.46	6.59	0.00	0.00	8.30	57.06		11.78	4.48	36.13	8.67	0.00	0.00	11.07
3830	15.30	6.54	30.47	7.31	0.00	0.00	12.32	71.94		17.48	6.64	40.09	9.62	0.00	0.00	16.43
3835	19.87	8.49	43.45	10.43	0.00	0.00	16.01	98.25		22.71	8.63	57.17	13.72	0.00	0.00	21.35
3845	0.07	0.03	0.40	0.10	0.00	0.00	0.05	0.65		0.07	0.03	0.52	0.12	0.00	0.00	0.07
3850	0.10	0.04	0.64	0.15	0.00	0.00	0.08	1.01		0.12	0.04	0.83	0.20	0.00	0.00	0.11
3855	0.13	0.06	0.96	0.23	0.00	0.00	0.11	1.49		0.15	0.06	1.25	0.30	0.00	0.00	0.14
3870	0.14	0.06	0.48	0.11	0.00	0.00	0.11	0.90		0.16	0.06	0.62	0.15	0.00	0.00	0.15
3875	0.31	0.13	1.12	0.27	0.00	0.00	0.25	2.08		0.36	0.14	1.46	0.35	0.00	0.00	2.64
3880	0.34	0.15	1.60	0.38	0.00	0.00	0.27	2.74		0.39	0.15	2.08	0.50	0.00	0.00	0.37
3885	0.36	0.15	0.23	0.05	0.00	0.00	0.29	1.08		0.41	0.16	0.30	0.07	0.00	0.00	0.39
3890	0.48	0.20	0.45	0.11	0.00	0.00	0.38	1.62		0.55	0.21	0.59	0.14	0.00	0.00	0.51
3895	0.69	0.29	0.83	0.20	0.00	0.00	0.55	2.56		0.79	0.30	1.09	0.26	0.00	0.00	0.74
3900	0.71	0.30	1.02	0.24	0.00	0.00	0.57	2.84		0.81	0.31	1.34	0.32	0.00	0.00	0.76
3905	1.05	0.45	2.37	0.57	0.00	0.00	0.85	5.29		1.20	0.46	3.12	0.75	0.00	0.00	1.13
3910	1.39	0.59	3.27	0.79	0.00	0.00	1.12	7.16		1.59	0.60	4.31	1.03	0.00	0.00	1.49
3915	1.60	0.68	3.84	0.92	0.00	0.00	1.29	8.33		1.82	0.69	5.05	1.21	0.00	0.00	1.72
3920	1.90	0.81	6.09	1.46	0.00	0.00	1.53	11.79		2.17	0.83	8.02	1.92	0.00	0.00	2.04
3925	1.99	0.85	6.09	1.46	0.00	0.00	1.60	11.99		2.27	0.86	8.02	1.92	0.00	0.00	2.14
3930	2.31	0.99	7.90	1.90	0.00	0.00	1.86	14.96		2.64	1.01	10.39	2.49	0.00	0.00	2.49
3935	2.75	1.17	10.38	2.49	0.00	0.00	2.21	19.00		3.14	1.19	13.66	3.28	0.00	0.00	2.95
3945	0.08	0.04	0.40	0.10	0.00	0.00	0.07	0.69		0.09	0.04	0.52	0.12	0.00	0.00	0.09
3950	0.08	0.04	0.40	0.10	0.00	0.00	0.07	0.69		0.09	0.04	0.52	0.12	0.00	0.00	0.09
3955	0.10	0.04	0.56	0.13	0.00	0.00	0.08	0.91		0.11	0.04	0.73	0.17	0.00	0.00	0.11
3960	0.13	0.05	0.80	0.19	0.00	0.00	0.10	1.27		0.14	0.05	1.04	0.25	0.00	0.00	0.14
3965	0.16	0.07	1.28	0.31	0.00	0.00	0.13	1.95		0.18	0.07	1.66	0.40	0.00	0.00	0.17
3970	0.17	0.07	1.28	0.31	0.00	0.00	0.14	1.97		0.19	0.07	1.66	0.40	0.00	0.00	0.18
3985	5.91	4.16	4.33	1.26	0.45	0.07	5.15	21.33		7.09	4.22	5.69	1.65	0.60	0.09	6.70
3990	6.74	4.73	4.68	1.36	0.45	0.07	5.87	23.90		8.09	4.79	6.15	1.78	0.60	0.09	7.64
3995	7.23	5.07	4.68	1.36	0.49	0.07	6.30	25.20		8.68	5.15	6.15	1.78	0.66	0.10	8.19
4000	7.34	5.16	5.20	1.51	0.56	0.08	6.40	26.25		8.80	5.24	6.83	1.98	0.76	0.11	8.32
4005	10.07	7.22	6.24	1.81	1.24	0.19	8.83	35.60		12.09	7.32	8.20	2.38	1.68	0.25	11.48
4010	14.36	10.34	8.66	2.51	1.93	0.29	12.61	50.70		17.23	10.49	11.38	3.30	2.62	0.39	16.39
4020	5.74	4.05	4.33	1.26	0.49	0.07	5.01	20.95		6.89	4.11	5.69	1.65	0.66	0.10	6.52

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
4025	6.46	4.56	4.99	1.45	0.54	0.08	5.64	23.72	7.76	4.63	6.56	1.90	0.73	0.11	7.34	29.03
4030	6.84	4.84	5.13	1.49	0.62	0.09	5.98	24.99	8.21	4.91	6.74	1.95	0.84	0.13	7.77	30.55
4035	7.49	5.26	6.27	1.82	0.54	0.08	6.53	27.99	8.99	5.34	8.24	2.39	0.73	0.11	8.49	34.29
4040	5.39	3.81	4.33	1.26	0.49	0.07	4.71	20.06	6.46	3.87	5.69	1.65	0.66	0.10	6.12	24.55
4045	5.96	4.22	4.99	1.45	0.54	0.08	5.20	22.44	7.15	4.28	6.56	1.90	0.73	0.11	6.77	27.50
4050	6.22	4.42	5.13	1.49	0.62	0.09	5.44	23.41	7.47	4.48	6.74	1.95	0.84	0.13	7.07	28.68
4055	5.81	4.82	6.27	1.82	0.62	0.09	5.95	26.38	8.17	4.89	8.24	2.39	0.84	0.13	7.74	32.40
4060	8.39	6.07	7.97	2.31	1.24	0.19	7.37	33.54	10.07	6.16	10.47	3.04	1.68	0.25	9.58	41.25
4070	3.18	2.21	2.36	0.68	0.15	0.02	2.77	11.37	3.82	2.25	3.10	0.90	0.20	0.03	3.60	13.90
4075	4.47	3.19	4.30	1.31	0.49	0.07	3.91	17.94	5.37	3.23	5.92	1.72	0.66	0.10	5.09	22.09
4080	4.91	3.51	5.02	1.46	0.56	0.08	4.30	19.84	5.89	3.56	6.60	1.91	0.76	0.11	5.59	24.42
4085	5.06	3.68	5.54	1.61	0.82	0.12	4.45	21.28	6.07	3.73	7.29	2.11	1.11	0.17	5.79	26.27
4090	2.73	1.90	5.02	0.80	0.15	0.02	2.37	12.99	3.27	1.93	6.50	1.04	0.20	0.03	3.09	16.06
4100	5.84	4.11	5.02	1.46	0.45	0.07	5.09	22.04	7.00	4.17	6.60	1.91	0.60	0.09	6.62	26.99
4105	6.68	4.72	6.44	1.37	0.56	0.08	5.83	26.18	8.02	4.79	8.47	2.46	0.76	0.11	7.58	32.19
4115	0.42	0.22	0.00	0.10	0.00	0.00	0.45	1.19								
4120	0.76	0.40	0.00	0.19	0.00	0.00	0.82	2.17								
4125	0.95	0.50	0.00	0.30	0.00	0.00	1.03	2.78								
4130	2.37	1.24	0.00	0.40	0.00	0.00	2.57	6.98								
4140	5.29	2.77	3.76	0.90	0.00	0.00	5.73	18.45								
4145	7.16	3.75	3.76	0.90	0.00	0.00	7.75	23.32								
4150	11.03	5.77	4.89	1.17	0.90	0.00	11.93	34.79								
4155	13.04	6.82	5.64	1.35	0.00	0.00	14.10	40.95								
4170	10.66	5.03	3.57	0.64	0.00	0.00	10.73	30.63	14.22	5.20	4.69	0.84	0.00	0.00	16.35	41.30
4175	15.40	8.03	6.41	1.15	0.00	0.00	16.55	47.54	19.25	8.23	8.42	1.52	0.00	0.00	23.27	60.69
4180	22.73	11.86	10.39	1.87	0.00	0.00	24.42	71.27	28.41	12.14	13.66	2.46	0.00	0.00	34.34	91.01
4185	32.20	17.98	15.80	2.84	0.00	0.00	36.53	105.35	38.65	18.30	20.77	3.74	0.00	0.00	48.70	130.16
4195	14.14	6.67	5.54	1.00	0.00	0.00	14.23	41.58	18.85	6.90	7.29	1.31	0.00	0.00	21.68	56.03
4200	17.32	9.04	8.14	1.47	0.00	0.00	18.62	54.59	21.66	9.26	10.70	1.93	0.00	0.00	26.18	69.73
4205	18.57	10.37	10.67	1.92	0.00	0.00	21.06	62.59	22.29	10.55	14.03	2.52	0.00	0.00	28.08	77.47
4210	39.59	22.10	21.34	3.84	0.00	0.00	44.90	131.77	47.50	22.49	28.05	5.05	0.00	0.00	59.86	162.95
4220	16.05	7.57	6.10	1.10	0.00	0.00	16.16	46.98	21.40	7.83	8.02	1.44	0.00	0.00	24.62	63.31
4225	19.02	9.92	7.10	1.28	0.00	0.00	20.43	57.75	23.77	10.16	9.34	1.68	0.00	0.00	28.74	73.69
4230	24.00	12.53	8.59	1.55	0.00	0.00	25.79	72.46	30.00	12.82	11.29	2.03	0.00	0.00	36.27	92.41
4235	35.67	19.92	13.58	2.44	0.00	0.00	40.46	112.07	42.81	20.27	17.85	3.21	0.00	0.00	53.95	138.09
4245	9.40	4.43	4.33	0.78	0.00	0.00	9.46	28.40	12.53	4.58	5.69	1.02	0.00	0.00	14.41	38.23
4250	11.67	5.50	5.72	1.03	0.00	0.00	11.75	35.67	15.57	5.70	7.51	1.35	0.00	0.00	17.91	48.04
4260	11.34	5.35	3.12	0.56	0.00	0.00	11.42	31.79	15.12	5.53	4.10	0.74	0.00	0.00	17.39	42.88
4265	14.03	6.61	4.68	0.84	0.00	0.00	14.12	40.28	18.70	6.84	6.15	1.11	0.00	0.00	21.51	54.31
4270	21.71	11.33	6.76	1.22	0.00	0.00	23.33	64.35	27.14	11.60	8.88	1.60	0.00	0.00	32.81	82.03
4275	33.82	17.65	11.26	2.03	0.00	0.00	36.34	101.10	42.28	18.07	14.80	2.66	0.00	0.00	51.11	128.92
4290	13.94	6.57	3.98	0.72	0.00	0.00	4.03	39.24	18.59	6.80	5.24	0.94	0.00	0.00	21.39	52.96
4295	17.43	8.22	5.54	1.00	0.00	0.00	17.55	49.74	23.24	8.51	7.29	1.31	0.00	0.00	26.74	67.09
4300	20.21	10.54	9.42	1.70	0.00	0.00	21.71	63.58	25.26	10.79	12.39	2.23	0.00	0.00	30.53	81.20
4315	11.44	5.97	6.24	1.12	0.00	0.00	12.29	37.06	14.30	6.11	8.20	1.48	0.00	0.00	17.28	47.37
4320	20.70	10.80	10.05	1.81	0.00	0.00	22.24	65.60	25.87	11.06	13.21	2.38	0.00	0.00	31.27	83.79
4325	25.83	14.42	13.51	2.43	0.00	0.00	29.29	85.48	30.99	14.68	17.76	3.20	0.00	0.00	39.06	105.69
4335	9.95	4.69	3.74	0.67	0.00	0.00	10.01	29.06	13.27	4.85	4.92	0.89	0.00	0.00	15.26	39.19
4340	13.19	6.22	4.95	0.89	0.00	0.00	13.28	38.53	17.59	6.44	6.51	1.17	0.00	0.00	20.24	51.95
4345	13.60	7.10	7.28	1.31	0.00	0.00	14.61	43.90	17.00	7.26	9.56	1.72	0.00	0.00	20.55	56.09
4350	19.84	10.35	8.32	1.50	0.00	0.00	21.32	61.33	24.80	10.60	10.93	1.97	0.00	0.00	29.98	78.28
4355	24.71	12.90	10.64	1.91	0.00	0.00	26.56	76.72	30.89	13.20	13.98	2.52	0.00	0.00	37.35	97.94
4360	27.58	15.40	11.50	2.07	0.00	0.00	31.28	87.83	33.09	15.67	15.12	2.72	0.00	0.00	41.70	108.30
4365	33.50	18.71	14.55	2.62	0.00	0.00	38.00	107.38	40.20	19.04	19.13	3.44	0.00	0.00	50.66	132.47
4370	39.91	22.28	16.08	2.89	0.00	0.00	45.27	126.43	47.89	22.68	21.13	3.80	0.00	0.00	60.36	155.86

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
4375	47.76	30.72	26.33	4.74	0.00	0.00	66.20	175.75	55.72	31.11	34.61	6.23	0.00	0.00	77.24	204.91
4380	55.01	35.38	28.83	5.19	0.00	0.00	76.26	200.67	64.18	35.84	37.89	6.82	0.00	0.00	88.97	233.70
4395	13.15	6.20	5.27	0.95	0.00	0.00	13.24	38.81	17.54	6.42	6.92	1.25	0.00	0.00	20.17	52.30
4400	18.27	9.53	7.90	1.42	0.00	0.00	19.63	56.75	22.84	9.76	10.38	1.87	0.00	0.00	27.61	72.46
4405	22.69	11.84	10.53	1.90	0.00	0.00	24.39	71.35	28.37	12.12	13.84	2.49	0.00	0.00	34.29	91.11
4415	8.24	6.38	7.47	2.06	0.55	0.08	5.56	30.34	9.51	6.45	9.79	2.69	0.69	0.10	7.06	36.29
4420	10.76	8.30	7.48	1.95	0.57	0.09	7.25	36.40	12.41	8.39	9.63	2.50	0.72	0.11	9.20	42.96
4425	11.82	10.87	12.40	3.23	0.92	0.14	9.57	48.95	13.29	10.94	16.00	4.16	1.15	0.17	11.66	57.37
4435	1.42	0.75	0.00	0.11	0.00	0.00	1.59	3.87	1.78	0.77	0.00	0.11	0.00	0.00	2.24	4.90
4440	1.88	0.99	0.00	0.13	0.00	0.00	2.10	5.10	2.35	1.02	0.00	0.13	0.00	0.00	2.95	6.45
4445	2.78	1.47	0.00	0.16	0.00	0.00	3.11	7.52	3.48	1.50	0.00	0.16	0.00	0.00	4.37	9.51
4450	1.42	0.75	0.00	0.23	0.00	0.00	1.59	3.99	1.78	0.77	0.00	0.23	0.00	0.00	2.24	5.02
4460	1.13	0.59	0.54	0.13	0.00	0.00	2.65	5.04								
4470	0.79	0.44	0.30	0.07	0.06	0.01	1.88	3.55								
4475	1.03	0.56	0.84	0.20	0.06	0.01	2.45	5.15								
4480	1.40	0.75	0.74	0.18	0.06	0.01	3.30	6.44								
4490	1.92	1.34	1.05	0.29	0.79	0.12	2.76	8.27	2.40	1.36	1.39	0.39	1.23	0.19	3.83	10.79
4500	0.39	0.25	0.00	0.00	0.00	0.00	0.55	1.19	0.49	0.26	0.00	0.00	0.00	0.00	0.77	1.52
4505	0.56	0.36	0.00	0.00	0.00	0.00	0.79	1.71	0.70	0.37	0.00	0.00	0.00	0.00	1.09	2.16
4510	0.09	0.06	0.00	0.00	0.00	0.00	0.12	0.27	0.11	0.06	0.00	0.00	0.00	0.00	0.17	0.34
4515	0.47	0.30	0.00	0.00	0.00	0.00	0.66	1.43	0.59	0.31	0.00	0.00	0.00	0.00	0.91	1.81
4520	0.38	0.25	0.00	0.00	0.00	0.00	0.54	1.17	0.48	0.25	0.00	0.00	0.00	0.00	0.74	1.47
4525	0.46	0.29	0.00	0.00	0.00	0.00	0.64	1.39	0.57	0.30	0.00	0.00	0.00	0.00	0.89	1.76
4530	0.59	0.38	0.00	0.00	0.00	0.00	0.83	1.80	0.74	0.39	0.00	0.00	0.00	0.00	1.16	2.29
4535	0.07	0.05	0.00	0.00	0.00	0.00	0.10	0.22	0.09	0.05	0.00	0.00	0.00	0.00	0.14	0.28
4540	2.14	1.50	1.58	0.44	0.96	0.14	3.09	9.85	2.68	1.53	2.08	0.58	1.52	0.23	4.29	12.91
4550	0.49	0.31	0.00	0.00	0.00	0.00	0.68	1.48	0.61	0.32	0.00	0.00	0.00	0.00	0.95	1.88
4555	0.59	0.38	0.00	0.00	0.00	0.00	0.83	1.80	0.74	0.39	0.00	0.00	0.00	0.00	1.15	2.28
4560	0.09	0.06	0.00	0.00	0.00	0.00	0.12	0.27	0.11	0.06	0.00	0.00	0.00	0.00	0.17	0.34
4565	0.47	0.30	0.00	0.00	0.00	0.00	0.66	1.43	0.59	0.31	0.00	0.00	0.00	0.00	0.91	1.81
4570	0.43	0.28	0.00	0.00	0.00	0.00	0.60	1.31	0.54	0.28	0.00	0.00	0.00	0.00	0.84	1.66
4575	0.53	0.34	0.00	0.00	0.00	0.00	0.75	1.62	0.67	0.35	0.00	0.00	0.00	0.00	1.04	2.06
4580	0.67	0.43	0.00	0.00	0.00	0.00	0.95	2.05	0.84	0.44	0.00	0.00	0.00	0.00	1.31	2.59
4585	0.07	0.05	0.00	0.00	0.00	0.00	0.10	0.22	0.09	0.05	0.00	0.00	0.00	0.00	0.14	0.28
4590	2.42	1.72	2.11	0.59	1.28	0.19	3.51	11.82	3.02	1.75	2.77	0.78	2.01	0.30	4.87	15.50
4600	0.52	0.34	0.00	0.00	0.00	0.00	0.73	1.59	0.65	0.34	0.00	0.00	0.00	0.00	1.02	2.01
4605	0.62	0.40	0.00	0.00	0.00	0.00	0.88	1.90	0.78	0.41	0.00	0.00	0.00	0.00	1.22	2.41
4610	0.09	0.06	0.00	0.00	0.00	0.00	0.12	0.27	0.11	0.06	0.00	0.00	0.00	0.00	0.34	
4615	0.47	0.30	0.00	0.00	0.00	0.00	0.66	1.43	0.59	0.31	0.00	0.00	0.00	0.00	0.91	1.81
4620	0.49	0.31	0.00	0.00	0.00	0.00	0.68	1.48	0.61	0.32	0.00	0.00	0.00	0.00	0.95	1.88
4625	0.64	0.41	0.00	0.00	0.00	0.00	0.89	1.94	0.80	0.42	0.00	0.00	0.00	0.00	1.24	2.46
4630	0.85	0.54	0.00	0.00	0.00	0.00	1.19	2.58	1.06	0.56	0.00	0.00	0.00	0.00	1.65	3.27
4635	0.07	0.05	0.00	0.00	0.00	0.00	0.10	0.22	0.09	0.05	0.00	0.00	0.00	0.00	0.14	0.28
4640	2.91	2.09	3.16	0.88	1.78	0.27	4.24	15.33	3.64	2.14	4.16	1.16	2.81	0.42	5.89	20.22
4650	0.56	0.36	0.00	0.00	0.00	0.00	0.78	1.70	0.70	0.36	0.00	0.00	0.00	0.00	1.08	2.14
4655	0.72	0.46	0.00	0.00	0.00	0.00	1.00	2.18	0.90	0.47	0.00	0.00	0.00	0.00	1.40	2.77
4660	0.09	0.06	0.00	0.00	0.00	0.00	0.12	0.27	0.11	0.06	0.00	0.00	0.00	0.00	0.17	0.34
4665	0.47	0.30	0.00	0.00	0.00	0.00	0.66	1.43	0.59	0.31	0.00	0.00	0.00	0.00	0.91	1.81
4670	0.61	0.39	0.00	0.00	0.00	0.00	0.85	1.85	0.76	0.40	0.00	0.00	0.00	0.00	1.18	2.34
4675	0.79	0.51	0.00	0.00	0.00	0.00	1.10	2.40	0.98	0.52	0.00	0.00	0.00	0.00	1.53	3.03
4680	1.06	0.68	0.00	0.00	0.00	0.00	1.49	3.23	1.32	0.69	0.00	0.00	0.00	0.00	2.06	4.07
4685	0.07	0.05	0.00	0.00	0.00	0.00	0.10	0.22	0.09	0.05	0.00	0.00	0.00	0.00	0.14	0.28
4690	5.25	3.65	4.70	1.32	2.08	0.31	7.56	24.87	6.57	3.72	6.19	1.73	3.27	0.49	10.49	32.45
4700	0.80	0.51	0.00	0.00	0.00	0.00	1.12	2.43	1.00	0.52	0.00	0.00	0.00	0.00	1.55	3.07
4705	0.09	0.06	0.00	0.00	0.00	0.00	0.12	0.27	0.11	0.06	0.00	0.00	0.00	0.00	0.17	0.34

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

INIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
4710	0.52	0.33	0.00	0.00	0.00	0.00	0.73	1.58	0.65	0.34	0.00	0.00	0.00	0.00	1.02	2.01
4715	0.70	0.45	0.00	0.00	0.00	0.00	0.98	2.13	0.87	0.46	0.00	0.00	0.00	0.00	1.36	2.69
4720	0.96	0.62	0.00	0.00	0.00	0.00	1.35	2.93	1.20	0.63	0.00	0.00	0.00	0.00	1.88	3.71
4725	1.25	0.80	0.00	0.00	0.00	0.00	1.75	3.80	1.56	0.82	0.00	0.00	0.00	0.00	2.43	4.81
4730	0.07	0.05	0.00	0.00	0.00	0.00	0.10	0.22	0.09	0.05	0.00	0.00	0.00	0.00	0.14	0.28
4735	9.00	6.41	4.70	1.32	5.12	0.77	13.05	40.37	11.25	6.54	6.19	1.73	8.12	1.22	18.13	53.18
4740	10.09	7.13	6.96	1.95	5.22	0.78	14.60	46.73	12.61	7.26	9.16	2.56	8.29	1.24	20.27	61.39
4745	10.14	7.36	6.96	1.95	7.23	1.08	14.80	49.52	12.67	7.51	9.16	2.56	11.54	1.73	20.56	65.73
4750	11.65	8.47	10.91	3.05	8.54	1.28	17.02	60.92	14.56	8.64	14.35	4.02	13.68	2.05	23.64	80.94
4755	11.30	7.89	6.96	1.95	5.12	0.77	16.28	50.27	14.12	8.04	9.16	2.56	8.12	1.22	22.62	65.84
4760	11.98	8.34	6.96	1.95	5.22	0.78	17.24	52.47	14.97	8.50	9.16	2.56	8.29	1.24	23.95	68.67
4765	13.40	9.46	10.91	3.05	7.23	1.08	19.39	64.52	16.76	9.65	14.35	4.02	11.54	1.73	26.93	84.98
4770	14.74	10.46	10.91	3.05	8.54	1.28	21.35	70.33	18.42	10.66	14.35	4.02	13.68	2.05	29.65	92.83
4780	0.77	0.49	0.00	0.00	0.00	0.00	1.08	2.34	0.96	0.50	0.00	0.00	0.00	0.00	1.50	2.96
4785	1.03	0.66	0.00	0.00	0.00	0.00	1.44	3.13	1.28	0.67	0.00	0.00	0.00	0.00	2.00	3.95
4790	1.37	0.88	0.00	0.00	0.00	0.00	1.93	4.18	1.72	0.90	0.00	0.00	0.00	0.00	2.68	5.30
4795	1.56	1.00	0.00	0.00	0.00	0.00	2.19	4.75	1.95	1.02	0.00	0.00	0.00	0.00	3.04	6.01
4805	3.03	1.60	1.58	0.60	0.00	0.00	5.07	11.88	3.78	1.64	2.08	0.79	0.00	0.00	6.87	15.16
4810	3.90	2.06	2.15	0.82	0.00	0.00	6.54	15.47	4.88	2.11	2.83	1.08	0.00	0.00	8.85	19.75
4815	5.26	2.78	3.17	1.20	0.00	0.00	8.81	21.22	6.57	2.84	4.17	1.58	0.00	0.00	11.93	27.09
4820	7.11	3.76	4.26	1.62	0.00	0.00	11.91	28.66	8.89	3.84	5.61	2.13	0.00	0.00	16.13	36.60
4825	8.36	4.42	5.68	2.16	0.00	0.00	14.01	34.63	10.45	4.52	7.48	2.84	0.00	0.00	18.98	44.27
4835	3.41	1.80	2.64	1.00	0.00	0.00	5.72	14.57	4.27	1.84	3.47	1.32	0.00	0.00	7.74	18.64
4840	6.03	3.18	3.25	1.23	0.00	0.00	10.10	23.79	7.53	3.26	4.28	1.63	0.00	0.00	13.68	30.38
4845	7.47	3.94	4.46	1.70	0.00	0.00	12.51	30.08	9.33	4.04	5.88	2.23	0.00	0.00	16.95	38.43
4850	9.83	5.19	6.09	2.31	0.00	0.00	16.48	39.90	12.29	5.32	8.02	3.05	0.00	0.00	22.32	51.00
4855	14.63	7.73	8.52	3.24	0.00	0.00	24.51	58.63	18.28	7.91	11.23	4.27	0.00	0.00	33.20	74.89
4860	20.06	10.60	11.16	4.24	0.00	0.00	33.62	79.68	25.07	10.84	14.70	5.59	0.00	0.00	45.52	101.72
4870	4.59	2.43	3.53	1.34	0.00	0.00	7.70	19.59	5.74	2.48	4.65	1.77	0.00	0.00	10.43	25.07
4875	5.81	3.07	4.95	1.88	0.00	0.00	9.73	25.44	7.26	3.14	6.52	2.48	0.00	0.00	13.18	32.58
4880	7.68	4.06	6.09	2.31	0.00	0.00	12.87	33.01	9.60	4.15	8.02	3.05	0.00	0.00	17.43	42.25
4885	10.98	5.80	9.05	3.44	0.00	0.00	18.41	47.68	13.73	5.94	11.92	4.53	0.00	0.00	24.93	61.05
4895	3.96	2.09	2.64	1.00	0.00	0.00	6.63	16.32	4.95	2.14	3.47	1.32	0.00	0.00	8.98	20.86
4900	4.74	2.51	3.17	1.20	0.00	0.00	7.95	19.57	5.93	2.56	4.17	1.58	0.00	0.00	10.76	25.00
4905	7.69	4.06	5.28	2.01	0.00	0.00	12.89	31.93	9.61	4.16	6.95	2.64	0.00	0.00	17.45	40.81
4910	10.90	5.76	7.71	2.93	0.00	0.00	18.27	45.57	13.63	5.89	10.16	3.86	0.00	0.00	24.74	58.28
4920	2.91	1.54	1.70	0.65	0.00	0.00	4.88	11.68	3.64	1.57	2.25	0.85	0.00	0.00	6.60	14.91
4925	3.81	2.01	2.64	1.00	0.00	0.00	6.38	15.84	4.76	2.06	3.47	1.32	0.00	0.00	8.64	20.25
4935	3.63	1.92	2.56	0.97	0.00	0.00	6.08	15.16	4.54	1.96	3.37	1.28	0.00	0.00	8.24	19.39
4940	6.31	3.33	4.46	1.70	0.00	0.00	10.57	26.37	7.88	3.41	5.88	2.23	0.00	0.00	14.31	33.71
4945	7.66	4.05	5.48	2.08	0.00	0.00	12.84	32.11	9.57	4.14	7.22	2.74	0.00	0.00	17.38	41.05
4950	11.28	5.96	8.12	3.08	0.00	0.00	18.91	47.35	14.10	6.10	10.69	4.06	0.00	0.00	25.61	60.56
4955	21.99	11.62	14.21	5.40	0.00	0.00	36.85	90.07	27.48	11.89	18.71	7.11	0.00	0.00	49.90	115.09
4965	0.53	0.32	1.28	0.41	0.09	0.01	0.55	3.19	0.67	0.33	1.66	0.53	0.17	0.03	0.73	4.12
4970	0.67	0.40	0.49	0.20	0.09	0.01	0.69	2.55	0.84	0.41	0.64	0.26	0.17	0.03	0.92	3.27
4975	0.78	0.47	1.84	0.59	0.08	0.01	0.80	4.57	0.98	0.48	2.39	0.77	0.15	0.02	1.07	5.86
4980	0.92	0.55	0.71	0.29	0.08	0.01	0.94	3.50	1.16	0.56	0.94	0.38	0.15	0.02	1.27	4.48
4985	0.97	0.58	2.40	0.77	0.10	0.01	1.00	5.83	1.22	0.59	3.12	1.00	0.18	0.03	1.33	7.47
4990	0.93	0.55	2.40	0.77	0.10	0.01	0.95	5.71	1.16	0.57	3.12	1.00	0.18	0.03	1.28	7.34
4995	1.09	0.65	1.05	0.42	0.10	0.01	1.11	4.43	1.36	0.66	1.39	0.55	0.18	0.03	1.49	5.66
5000	1.00	0.59	2.56	0.82	0.10	0.01	1.02	6.10	1.25	0.60	3.33	1.07	0.18	0.03	1.37	7.83
5005	1.16	0.69	2.72	0.87	0.10	0.01	1.18	6.73	1.45	0.70	3.54	1.13	0.18	0.03	1.59	8.62
5010	1.24	0.74	1.35	0.54	0.10	0.01	1.27	5.25	1.56	0.75	1.78	0.71	0.18	0.03	1.70	6.71
5015	1.51	0.91	1.58	0.63	0.26	0.04	1.55	6.48	1.88	0.93	2.08	0.83	0.50	0.07	2.07	8.36
5020	1.57	0.95	2.03	0.81	0.26	0.04	1.61	7.27	1.96	0.97	2.67	1.07	0.50	0.07	2.16	9.40

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE	
5025	2.73	1.73	2.93	1.17	0.97	0.14	2.84	12.51	3.42	1.77	3.86	1.54	1.84	0.28	3.81	16.52
5035	4.45	2.67	3.12	1.25	0.65	0.10	4.56	16.80	5.56	2.73	4.11	1.64	1.24	0.19	6.11	21.58
5040	5.42	3.24	3.87	1.55	0.68	0.10	5.55	20.41	6.78	3.31	5.10	2.04	1.30	0.19	7.44	26.16
5045	7.62	4.56	4.97	1.99	1.00	0.15	7.81	28.10	9.52	4.66	6.53	2.61	1.90	0.28	10.45	35.95
5050	10.00	6.06	6.96	2.78	1.75	0.26	10.28	38.09	12.50	6.18	9.16	3.66	3.33	0.50	13.77	49.10
5060	3.60	2.19	2.45	0.98	0.73	0.11	3.70	13.76	4.50	2.24	3.22	1.29	1.40	0.21	4.96	17.82
5065	4.69	2.83	3.01	1.20	0.74	0.11	4.81	17.39	5.86	2.89	3.96	1.58	1.42	0.21	6.44	22.36
5070	5.31	3.23	3.76	1.50	1.00	0.15	5.46	20.41	6.64	3.30	4.95	1.98	1.90	0.23	7.32	26.37
5075	8.45	5.14	4.89	1.96	1.66	0.25	8.70	31.05	10.56	5.25	6.43	2.57	3.18	0.48	11.65	40.12
5080	11.43	7.02	7.52	3.01	2.65	0.40	11.79	43.82	14.29	7.17	9.90	3.96	5.06	0.76	15.79	56.93
5085	14.48	8.69	10.16	3.05	4.81	0.72	13.01	54.92	17.37	8.84	13.36	4.01	9.19	1.38	16.73	70.88
5090	20.21	12.59	14.11	4.23	7.52	1.13	18.28	78.07	24.25	12.81	18.56	5.57	14.35	2.15	23.51	101.20
5095	40.20	25.63	25.96	7.79	18.38	2.76	36.53	157.25	48.24	26.09	34.15	10.25	35.09	5.26	46.96	206.04
5105	4.19	2.54	3.08	1.23	0.73	0.11	4.31	16.19	5.24	2.59	4.06	1.52	1.40	0.21	5.77	20.89
5110	4.86	2.93	4.03	1.61	0.74	0.11	4.99	19.27	6.07	2.99	5.30	2.12	1.42	0.21	6.68	24.79
5115	5.63	3.41	4.55	1.82	1.00	0.15	5.79	22.35	7.04	3.48	5.99	2.40	1.90	0.28	7.75	23.84
5120	8.10	4.98	5.79	2.32	1.91	0.29	8.36	31.75	10.13	5.09	7.62	3.05	3.65	0.55	11.20	41.29
5125	10.91	6.78	7.90	3.16	3.05	0.46	11.29	43.55	13.63	6.92	10.39	4.16	5.82	0.87	15.12	56.91
5130	13.84	8.33	10.27	3.08	4.81	0.72	12.45	53.50	16.61	8.48	13.51	4.05	9.19	1.38	16.01	69.23
5135	19.12	11.69	13.54	4.06	5.82	0.87	17.25	72.35	22.95	11.99	17.82	5.35	11.11	1.67	22.18	92.98
5140	35.37	22.25	23.02	6.91	14.36	2.15	32.06	136.12	42.45	22.64	30.29	9.09	27.42	4.11	41.22	177.22
5150	3.75	2.27	3.01	1.20	0.68	0.10	3.85	14.86	4.68	2.32	3.96	1.58	1.30	0.19	5.16	19.19
5155	4.94	2.96	3.84	1.53	0.68	0.10	5.07	19.12	6.18	3.03	5.05	2.02	1.30	0.19	5.78	24.55
5160	5.38	3.27	4.51	1.81	1.00	0.15	5.53	21.65	6.73	3.34	5.94	2.38	1.90	0.28	7.41	27.98
5165	7.39	4.58	5.83	2.33	2.01	0.30	7.65	30.09	9.24	4.68	7.67	3.07	3.83	0.57	10.24	39.30
5170	10.66	6.64	8.09	3.24	3.05	0.46	11.04	43.18	13.33	6.78	10.64	4.26	5.82	0.87	14.79	56.49
5175	15.38	9.60	12.60	3.78	5.82	0.87	13.92	61.97	18.46	9.77	16.58	4.97	11.11	1.67	17.90	80.46
5185	3.24	2.10	3.01	1.20	1.50	0.22	3.39	14.66	4.05	2.15	3.96	1.58	2.86	0.43	4.55	19.58
5190	4.19	2.57	3.76	1.50	1.00	0.15	4.32	17.49	5.23	2.63	4.95	1.98	1.90	0.28	5.79	22.76
5195	4.99	3.05	4.51	1.81	1.05	0.16	5.14	20.71	6.24	3.11	5.94	2.38	2.01	0.30	6.89	26.37
5200	7.42	4.55	5.83	2.33	1.66	0.25	7.65	29.69	9.27	4.64	7.67	3.07	3.18	0.48	10.24	38.55
5205	10.06	6.27	7.11	2.84	2.90	0.44	10.42	40.04	12.58	6.40	9.36	3.74	5.55	0.83	13.96	52.42
5210	13.87	8.35	7.86	2.36	4.81	0.72	12.48	50.45	16.64	8.49	10.35	3.10	9.19	1.38	16.04	65.19
5215	19.67	12.00	15.61	4.68	5.82	0.87	17.74	76.39	23.61	12.21	20.54	6.16	11.11	1.67	22.80	98.10
5220	40.50	24.61	22.20	6.66	11.41	1.71	36.49	143.58	48.60	25.04	29.20	8.76	21.78	3.27	46.91	183.56
5230	7.42	4.55	6.02	2.41	1.66	0.25	7.65	29.96	9.28	4.65	7.92	3.17	3.18	0.48	10.25	38.93
5235	10.70	6.31	8.69	2.61	2.65	0.40	9.60	40.96	12.84	6.42	11.43	3.43	5.06	0.76	12.34	52.28
5240	13.85	8.33	11.55	3.46	4.81	0.72	12.45	55.17	16.61	8.48	15.20	4.56	9.19	1.38	16.01	71.43
5245	19.67	12.00	14.60	4.38	5.82	0.87	17.73	75.07	23.60	12.21	19.21	5.76	11.11	1.67	22.80	96.36
5250	26.78	16.72	16.33	4.90	10.20	1.53	24.24	100.70	32.13	17.02	21.48	6.44	19.48	2.92	31.17	130.64
5260	4.67	2.81	3.20	1.28	0.74	0.11	4.79	17.60	5.83	2.87	4.21	1.68	1.42	0.21	6.41	22.63
5265	5.33	3.24	9.34	2.99	1.00	0.15	5.48	27.53	6.66	3.30	12.18	3.90	1.90	0.28	7.34	35.56
5270	7.51	4.60	5.42	2.17	1.66	0.25	7.74	29.35	9.39	4.70	7.13	2.85	3.18	0.48	10.37	38.10
5275	9.11	5.66	6.85	2.74	2.53	0.38	9.43	36.70	11.39	5.78	9.01	3.60	4.82	0.72	12.63	47.95
5280	9.97	6.17	8.09	3.24	2.65	0.40	10.30	40.82	12.46	6.30	10.64	4.26	5.06	0.76	13.80	53.29
5285	13.87	8.34	10.72	3.22	4.81	0.72	12.47	54.15	16.64	8.49	11.11	4.23	9.19	1.38	16.04	70.08
5290	18.19	11.17	15.05	4.51	5.82	0.87	16.42	72.03	21.83	11.37	19.80	5.94	11.11	1.67	21.11	92.83
5300	3.29	1.95	2.07	0.58	0.21	0.03	3.84	11.97	4.12	1.99	2.72	0.76	0.29	0.04	5.10	15.02
5305	4.70	2.79	3.01	0.84	0.37	0.06	5.49	17.26	5.87	2.85	3.96	1.11	0.52	0.08	7.29	21.68
5315	3.05	1.87	2.33	0.65	0.58	0.09	3.59	12.16	3.81	1.91	3.07	0.86	0.82	0.12	4.77	15.36
5320	4.77	2.87	3.01	0.84	0.55	0.08	5.60	17.72	5.97	2.93	3.96	1.11	0.76	0.11	7.43	22.27
5330	3.90	2.06	1.58	0.60	0.00	0.00	6.53	14.67	4.87	2.11	2.08	0.79	0.00	0.00	8.84	18.69
5335	4.76	2.52	2.15	0.82	0.00	0.00	7.98	18.23	5.95	2.57	2.83	1.08	0.00	0.00	10.81	23.24
5345	4.37	2.31	2.64	1.00	0.00	0.00	7.33	17.65	5.46	2.36	3.47	1.32	0.00	0.00	9.92	22.53
5365	0.55	0.22	0.00	0.48	0.00	0.00	0.77	2.02								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE
5370	1.14	0.46	0.00	1.00	0.00	0.00	1.59	4.19							
5375	2.20	0.89	0.00	1.89	0.00	0.00	3.09	8.07							
5380	0.58	0.23	0.00	0.24	0.00	0.00	0.81	1.86							
5385	0.90	0.37	0.00	0.34	0.00	0.00	1.27	2.88							
5395	1.57	0.64	0.00	0.24	0.00	0.00	2.21	4.66							
5400	2.38	0.96	0.00	0.32	0.00	0.00	3.33	6.99							
5410	1.86	0.75	0.00	0.26	0.00	0.00	2.60	5.47							
5415	2.52	1.02	0.00	0.47	0.00	0.00	3.54	7.55							
5420	2.99	1.21	0.00	0.75	0.00	0.00	4.19	9.14							
5430	4.08	1.55	0.00	0.06	0.00	0.00	5.72	11.51							
5435	4.21	1.72	0.00	0.06	0.00	0.00	5.94	11.96							
5440	7.30	2.96	0.00	0.05	0.00	0.00	10.24	20.56							
5445	7.77	3.15	0.00	0.06	0.00	0.00	10.89	21.87							
5455	4.08	1.65	0.00	0.41	0.00	0.00	5.72	11.86							
5460	4.68	1.89	0.00	0.47	0.00	0.00	6.56	13.60							
5465	5.41	2.19	0.00	0.57	0.00	0.00	7.59	15.76							
5470	5.93	2.40	0.00	0.70	0.00	0.00	8.31	17.34							
5475	6.67	2.70	0.00	0.61	0.00	0.00	9.36	19.34							
5480	7.93	3.21	0.00	0.90	0.00	0.00	11.12	23.16							
5485	9.30	3.77	0.00	0.90	0.00	0.00	13.04	27.01							
5490	10.99	4.45	0.00	1.09	0.00	0.00	15.41	31.94							
5495	18.27	7.40	0.00	1.20	0.00	0.00	25.62	52.49							
5505	3.00	1.22	0.00	0.47	0.00	0.00	4.21	8.90							
5510	3.58	1.45	0.00	0.62	0.00	0.00	5.02	10.67							
5515	4.86	1.97	0.00	0.62	0.00	0.00	6.81	14.26							
5520	1.23	0.50	0.00	0.24	0.00	0.00	1.73	3.70							
5525	1.56	0.63	0.00	0.32	0.00	0.00	2.18	4.69							
5530	2.01	0.82	0.00	0.41	0.00	0.00	2.82	6.06							
5540	5.21	2.11	0.00	0.64	0.00	0.00	7.30	15.26							
5545	5.95	2.41	0.00	0.75	0.00	0.00	8.34	17.45							
5550	6.40	2.59	0.00	0.90	0.00	0.00	8.98	18.87							
5555	7.71	3.13	0.00	1.05	0.00	0.00	10.82	22.71							
5560	9.68	3.92	0.00	1.09	0.00	0.00	13.58	28.27							
5565	13.84	5.61	0.00	1.30	0.00	0.00	19.42	40.17							
5575	7.20	2.92	2.22	0.62	0.00	0.00	10.09	23.05							
5580	14.06	5.70	5.87	1.64	0.00	0.00	19.72	46.99							
5585	19.11	7.75	11.10	3.11	0.00	0.00	26.80	67.87							
5595	5.73	4.98	2.18	0.70	0.00	0.00	7.56	21.15	6.88	5.04	2.81	0.90	0.00	0.00	10.28
5600	9.21	8.00	4.16	1.33	0.00	0.00	12.14	34.84	11.05	8.09	5.35	1.71	0.00	0.00	16.51
5605	10.54	9.15	4.16	1.33	0.00	0.00	13.89	39.07	12.64	9.26	5.35	1.71	0.00	0.00	18.89
5610	13.29	11.54	6.24	2.00	0.00	0.00	17.52	50.59	15.95	11.68	8.02	2.57	0.00	0.00	23.83
5615	18.55	16.12	8.52	2.73	0.00	0.00	24.46	70.38	22.27	16.30	10.96	3.51	0.00	0.00	33.27
5625	1.10	0.52	0.00	0.15	0.00	0.00	1.44	3.21							
5630	0.41	0.19	0.00	0.10	0.00	0.00	0.53	1.23							
5635	1.63	0.77	0.00	0.30	0.00	0.00	2.12	4.82							
5640	0.71	0.33	0.00	0.05	0.00	0.00	0.92	2.01							
5650	0.51	0.27	1.10	0.35	0.00	0.00	0.55	2.78							
5655	0.65	0.34	1.65	0.53	0.00	0.00	0.70	3.87							
5665	0.03	0.02	0.22	0.07	0.00	0.00	0.04	0.38							
5670	0.04	0.02	0.33	0.11	0.00	0.00	0.05	0.55							
5675	0.08	0.04	0.88	0.28	0.00	0.00	0.08	1.36							
5685	0.68	0.36	4.73	1.52	0.00	0.00	0.73	8.02							
5690	0.39	0.20	1.57	0.60	0.00	0.00	0.42	3.18							
5695	0.90	0.47	8.70	2.78	0.00	0.00	0.97	13.82							
5700	1.30	0.68	3.15	1.20	0.00	0.00	1.40	7.73							

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
5705	1.66	0.87	3.67	1.40	0.00	0.00	1.80	9.40								
5710	1.77	0.92	3.57	1.36	0.00	0.00	1.91	9.53								
5720	0.07	0.04	0.55	0.18	0.00	0.00	0.07	0.91								
5725	0.10	0.05	0.88	0.28	0.00	0.00	0.10	1.41								
5730	0.19	0.10	1.76	0.56	0.00	0.00	0.21	2.82								
5740	0.08	0.04	0.33	0.11	0.00	0.00	0.09	0.65								
5745	0.10	0.05	0.33	0.11	0.00	0.00	0.10	0.69								
5755	0.12	0.06	0.07	0.03	0.00	0.00	0.07	0.35								
5760	0.17	0.09	0.18	0.08	0.00	0.00	0.09	0.61								
5765	0.61	0.32	0.90	0.40	0.00	0.00	0.33	2.56								
5770	0.80	0.42	2.16	0.97	0.00	0.00	0.43	4.78								
5780	0.10	0.05	0.07	0.03	0.00	0.00	0.06	0.31								
5785	0.13	0.07	0.14	0.06	0.00	0.00	0.07	0.47								
5795	4.04	1.75	0.00	0.08	0.00	0.00	4.52	10.39	5.39	1.82	0.00	0.08	0.00	0.00	6.78	14.07
5800	0.32	0.14	0.00	0.00	0.00	0.00	0.36	0.82	0.43	0.14	0.00	0.00	0.00	0.00	0.54	1.11
5805	2.35	1.02	0.00	0.08	0.00	0.00	2.63	6.08	3.14	1.06	0.00	0.08	0.00	0.00	3.94	8.22
5810	0.23	0.10	0.00	0.00	0.00	0.00	0.26	0.59	0.31	0.10	0.00	0.00	0.00	0.00	0.39	0.80
5815	1.93	0.84	0.00	0.08	0.00	0.00	2.16	5.01	2.58	0.87	0.00	0.08	0.00	0.00	3.24	6.77
5820	0.14	0.06	0.00	0.00	0.00	0.00	0.16	0.36	0.19	0.06	0.00	0.00	0.00	0.00	0.23	0.48
5825	0.89	0.38	0.00	0.08	0.00	0.00	0.99	2.34	1.18	0.40	0.00	0.08	0.00	0.00	1.48	3.14
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	0.05	0.10
5835	2.03	0.88	0.00	0.08	0.00	0.00	2.27	5.26	2.71	0.91	0.00	0.08	0.00	0.00	3.41	7.11
5840	0.18	0.08	0.00	0.00	0.00	0.00	0.21	0.47	0.24	0.08	0.00	0.00	0.00	0.00	0.31	0.63
5845	1.48	0.64	0.00	0.08	0.00	0.00	1.65	3.85	1.97	0.66	0.00	0.08	0.00	0.00	2.47	5.18
5850	0.13	0.06	0.00	0.00	0.00	0.00	0.15	0.34	0.18	0.06	0.00	0.00	0.00	0.00	0.22	0.46
5855	0.83	0.36	0.00	0.08	0.00	0.00	0.92	2.19	1.10	0.37	0.00	0.08	0.00	0.00	1.38	2.93
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	0.05	0.10
5865	2.29	0.99	0.00	0.08	0.00	0.00	2.56	5.92	3.05	1.03	0.00	0.08	0.00	0.00	3.84	8.00
5870	0.18	0.08	0.00	0.00	0.00	0.00	0.21	0.47	0.24	0.08	0.00	0.00	0.00	0.00	0.31	0.63
5875	2.22	0.96	0.00	0.08	0.00	0.00	2.48	5.74	2.96	1.00	0.00	0.08	0.00	0.00	3.73	7.77
5880	0.43	0.18	0.00	0.00	0.00	0.00	0.48	1.09	0.57	0.19	0.00	0.00	0.00	0.00	0.71	1.47
5885	2.03	0.88	0.00	0.08	0.00	0.00	2.27	5.26	2.71	0.91	0.00	0.08	0.00	0.00	3.41	7.11
5890	0.18	0.08	0.00	0.00	0.00	0.00	0.21	0.47	0.24	0.08	0.00	0.00	0.00	0.00	0.31	0.63
5895	0.69	0.37	0.00	0.08	0.00	0.00	0.77	1.91	0.86	0.37	0.00	0.08	0.00	0.00	1.09	2.40
5905	4.70	2.03	0.00	0.08	0.00	0.00	5.25	12.06	6.27	2.11	0.00	0.08	0.00	0.00	7.88	16.34
5910	0.34	0.15	0.00	0.00	0.00	0.00	0.38	0.87	0.46	0.15	0.00	0.00	0.00	0.00	0.57	1.18
5915	4.99	2.16	0.00	0.08	0.00	0.00	5.57	12.80	6.65	2.24	0.00	0.08	0.00	0.00	8.36	17.33
5920	3.97	1.72	0.00	0.08	0.00	0.00	4.43	10.20	5.29	1.78	0.00	0.08	0.00	0.00	6.65	13.80
5925	0.31	0.13	0.00	0.00	0.00	0.00	0.34	0.78	0.41	0.14	0.00	0.00	0.00	0.00	0.52	1.07
5930	3.70	1.60	0.00	0.08	0.00	0.00	4.13	9.51	4.93	1.66	0.00	0.08	0.00	0.00	6.19	12.86
5935	2.67	1.15	0.00	0.08	0.00	0.00	2.98	6.88	3.56	1.20	0.00	0.08	0.00	0.00	4.47	9.31
5940	0.17	0.07	0.00	0.00	0.00	0.00	0.19	0.43	0.23	0.08	0.00	0.00	0.00	0.00	0.29	0.60
5945	2.60	1.12	0.00	0.08	0.00	0.00	2.90	6.70	3.46	1.17	0.00	0.08	0.00	0.00	4.35	9.06
5950	1.49	0.65	0.00	0.08	0.00	0.00	1.67	3.89	1.99	0.67	0.00	0.08	0.00	0.00	2.50	5.24
5955	0.09	0.04	0.00	0.00	0.00	0.00	0.10	0.23	0.12	0.04	0.00	0.00	0.00	0.00	0.15	0.31
5960	0.93	0.40	0.00	0.08	0.00	0.00	1.04	2.45	1.24	0.42	0.00	0.08	0.00	0.00	1.56	3.30
5965	0.04	0.02	0.00	0.00	0.00	0.00	0.05	0.11	0.06	0.02	0.00	0.00	0.00	0.00	0.08	0.16
5970	0.58	0.25	0.00	0.08	0.00	0.00	0.64	1.55	0.77	0.26	0.00	0.08	0.00	0.00	0.97	2.08
5975	0.02	0.01	0.00	0.00	0.00	0.00	0.03	0.06	0.03	0.01	0.00	0.00	0.00	0.00	0.04	0.08
5980	0.25	0.11	0.00	0.08	0.00	0.00	0.28	0.72	0.34	0.11	0.00	0.08	0.00	0.00	0.42	0.95
5985	0.01	0.01	0.00	0.00	0.00	0.00	0.02	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.02	0.05
5995	5.52	2.39	0.00	0.05	0.00	0.00	6.17	14.13	7.36	2.48	0.00	0.05	0.00	0.00	9.26	19.15
6000	4.50	1.95	0.00	0.05	0.00	0.00	5.03	11.53	6.01	2.02	0.00	0.05	0.00	0.00	7.55	15.63
6005	2.91	1.26	0.00	0.05	0.00	0.00	3.25	7.47	3.88	1.31	0.00	0.05	0.00	0.00	4.88	10.12
6010	2.74	1.19	0.00	0.05	0.00	0.00	3.06	7.04	3.65	1.23	0.00	0.05	0.00	0.00	4.59	9.52

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
6020	2.86	1.61	3.08	0.74	0.25	0.04	3.67	12.28								
6025	2.95	1.69	3.20	0.77	0.25	0.04	3.78	12.68								
6030	3.61	2.06	3.20	0.77	0.32	0.05	4.62	14.63								
6035	5.79	3.34	4.70	1.13	0.66	0.10	7.43	23.15								
6045	2.21	1.28	2.86	0.69	0.25	0.04	2.84	10.17								
6050	2.39	1.38	2.86	0.69	0.25	0.04	3.06	10.67								
6055	2.45	1.41	2.93	0.70	0.25	0.04	3.14	10.92								
6060	2.33	1.36	8.55	2.05	0.32	0.05	3.00	17.66								
6065	2.61	1.51	2.86	0.69	0.32	0.05	3.35	11.39								
6070	2.42	1.42	8.55	2.05	0.37	0.06	3.11	17.98								
6075	2.69	1.57	2.86	0.69	0.37	0.06	3.46	11.70								
6080	2.22	1.44	4.40	1.06	0.77	0.12	7.60	23.30								
6090	2.46	1.42	2.56	0.61	0.25	0.04	3.15	10.49								
6095	3.10	1.76	2.56	0.61	0.22	0.03	3.96	12.24								
6100	6.21	3.59	4.89	1.17	0.68	0.10	7.98	24.62								
6105	7.11	4.37	4.89	1.17	1.98	0.30	9.27	29.09								
6115	2.99	2.41	0.00	0.05	1.88	0.28	4.22	11.83								
6120	4.32	2.80	0.00	0.05	1.47	0.22	5.71	14.57								
6130	3.70	3.00	0.00	0.10	2.37	0.36	5.22	14.75								
6135	3.51	2.66	0.00	0.10	1.79	0.27	4.85	13.18								
6140	5.83	4.18	0.00	0.10	2.37	0.36	7.93	20.77								
6150	0.51	0.37	0.00	0.05	0.30	0.04	0.69	1.96								
6160	0.93	0.51	0.00	0.12	0.00	0.00	1.18	2.74								
6165	1.19	0.65	0.00	0.12	0.00	0.00	1.51	3.47								
6170	1.23	0.68	0.00	0.12	0.00	0.00	1.56	3.59								
6175	1.84	1.02	0.00	0.12	0.00	0.00	2.34	5.32								
6180	2.31	1.55	0.00	0.12	0.00	0.00	3.57	8.05								
6185	4.16	2.29	0.00	0.12	0.00	0.00	5.28	11.85								
6190	2.77	1.53	0.00	0.13	0.00	0.00	3.52	7.95								
6195	3.22	1.78	0.00	0.12	0.00	0.00	4.09	9.21								
6200	4.89	2.70	0.00	0.12	0.00	0.00	6.21	13.92								
6210	0.41	0.23	0.00	0.13	0.00	0.00	0.52	1.29								
6215	0.83	0.46	0.00	0.13	0.00	0.00	1.06	2.48								
6225	11.38	6.28	7.90	1.90	0.00	0.00	14.45	41.91								
6230	17.17	9.46	11.66	2.80	0.00	0.00	21.79	62.88								
6235	18.07	9.97	11.66	2.80	0.00	0.00	22.94	65.44								
6245	18.82	10.38	12.41	2.98	0.00	0.00	23.89	68.48								
6255	1.84	1.02	1.47	0.35	0.00	0.00	2.34	7.02								
6260	2.23	1.23	1.47	0.35	0.00	0.00	2.83	8.11								
6265	3.07	1.69	3.20	0.77	0.00	0.00	3.90	12.63								
6270	3.32	1.83	3.20	0.77	0.00	0.00	4.22	13.34								
6275	3.58	1.98	3.20	0.77	0.00	0.00	4.55	14.08								
6280	3.94	2.17	3.20	0.77	0.00	0.00	5.00	15.08								
6290	3.98	2.19	8.55	2.05	0.00	0.00	5.05	21.82								
6295	4.25	2.35	3.20	0.77	0.00	0.00	5.40	15.97								
6300	4.23	2.33	8.55	2.05	0.00	0.00	5.37	22.53								
6305	4.50	2.48	3.20	0.77	0.00	0.00	5.72	16.67								
6310	1.87	1.03	4.31	1.03	0.00	0.00	2.37	10.61								
6315	2.66	1.47	8.55	2.05	0.00	0.00	3.38	18.11								
6320	2.93	1.62	2.86	0.69	0.00	0.00	3.73	11.83								
6325	3.23	1.78	8.55	2.05	0.00	0.00	4.10	19.71								
6330	3.51	1.93	2.86	0.69	0.00	0.00	4.45	13.44								
6335	3.54	1.95	8.55	2.05	0.00	0.00	4.49	20.58								
6340	3.81	2.10	2.86	0.69	0.00	0.00	4.94	14.30								
6350	1.20	0.54	1.98	0.48	0.00	0.00	1.90	6.10								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	
6355	1.46	0.66	1.98	0.48	0.00	0.00	2.32	6.90							
6360	3.02	1.36	2.26	0.54	0.00	0.00	4.80	11.98							
6365	3.28	1.48	2.26	0.54	0.00	0.00	5.20	12.76							
6370	4.68	2.11	4.98	1.20	0.00	0.00	7.43	20.40							
6375	4.90	2.21	4.98	1.20	0.00	0.00	7.77	21.06							
6385	3.24	1.46	2.57	0.62	0.00	0.00	5.15	13.04							
6390	3.53	1.59	2.57	0.62	0.00	0.00	5.61	13.92							
6395	5.71	2.58	4.04	0.97	0.00	0.00	9.06	22.36							
6400	6.21	2.80	4.04	0.97	0.00	0.00	9.85	23.87							
6410	2.91	1.31	1.89	0.45	0.00	0.00	4.62	11.18							
6415	3.48	1.57	2.05	0.49	0.00	0.00	5.52	13.11							
6425	1.73	0.78	1.57	0.38	0.00	0.00	2.74	7.20							
6430	1.57	0.71	1.57	0.38	0.00	0.00	2.49	6.72							
6440	7.01	3.16	3.94	0.94	0.00	0.00	11.12	26.17							
6445	5.35	2.41	2.62	0.63	0.00	0.00	8.48	19.49							
6455	2.17	0.98	1.89	0.45	0.00	0.00	3.44	8.93							
6460	4.32	1.95	3.15	0.76	0.00	0.00	6.85	17.03							
6465	5.87	2.65	4.72	1.13	0.00	0.00	9.31	23.68							
6475	5.21	2.38	3.83	0.92	0.15	0.02	8.30	20.81							
6480	5.61	2.66	3.83	0.92	0.62	0.09	9.01	22.74							
6485	6.57	2.99	3.83	0.92	0.13	0.02	10.44	24.90							
6490	7.76	3.58	6.56	1.57	0.40	0.06	12.39	32.32							
6495	6.13	2.86	6.56	1.57	0.46	0.07	9.82	27.47							
6500	6.51	3.03	6.56	1.57	0.46	0.07	10.42	28.62							
6505	7.46	3.46	6.56	1.57	0.46	0.07	11.92	31.50							
6510	6.87	3.19	6.56	1.57	0.46	0.07	10.98	29.70							
6515	8.54	3.95	6.56	1.57	0.46	0.07	13.64	34.79							
6525	7.49	3.38	6.56	1.57	0.00	0.00	11.89	30.89							
6530	6.45	2.99	4.46	1.07	0.40	0.06	10.31	25.74							
6535	6.78	3.16	6.30	1.51	0.46	0.07	10.84	29.12							
6540	7.65	3.55	6.30	1.51	0.46	0.07	12.22	31.76							
6550	7.69	3.56	6.03	1.45	0.46	0.07	12.28	31.54							
6555	12.03	5.58	11.02	2.64	0.75	0.11	19.22	51.35							
6565	5.10	2.32	3.67	0.88	0.08	0.01	8.11	20.17							
6570	5.09	2.33	3.67	0.88	0.16	0.02	8.10	20.25							
6575	6.68	3.04	4.20	1.01	0.13	0.02	10.63	25.71							
6580	5.82	2.66	4.20	1.01	0.16	0.02	9.26	23.13							
6585	5.24	2.49	3.67	0.88	0.62	0.09	8.42	21.41							
6590	6.47	3.01	4.62	1.11	0.46	0.07	10.34	26.08							
6595	7.47	3.45	4.62	1.11	0.40	0.06	11.92	29.03							
6600	7.06	3.28	4.62	1.11	0.46	0.07	11.28	27.88							
6605	8.32	3.84	6.24	1.50	0.42	0.06	13.28	33.66							
6610	7.03	3.27	6.56	1.57	0.46	0.07	11.24	30.20							
6615	9.24	4.25	6.24	1.50	0.37	0.06	14.73	36.39							
6620	8.01	3.69	6.24	1.50	0.37	0.06	12.77	32.64							
6625	7.53	3.54	6.56	1.57	0.70	0.11	12.07	32.08							
6635	4.91	2.35	3.57	0.86	0.62	0.09	7.90	20.30							
6640	4.49	2.06	3.57	0.86	0.15	0.02	7.15	18.30							
6645	5.46	2.49	4.20	1.01	0.15	0.02	8.69	22.02							
6650	5.79	2.74	3.94	0.94	0.62	0.09	9.30	23.42							
6655	6.01	2.74	4.20	1.01	0.15	0.02	9.56	23.69							
6660	7.75	3.59	5.77	1.39	0.46	0.07	12.37	31.40							
6665	6.42	2.99	5.61	1.35	0.46	0.07	10.28	27.18							
6670	6.96	3.23	5.61	1.35	0.46	0.07	11.12	28.80							
6675	8.90	4.11	5.77	1.39	0.46	0.07	14.20	34.90							

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	MEPR	CFC	FUEL	FOG	TIRES WEAR	TIRES RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRES WEAR	TIRES RPR	REPR	TOTAL RATE
6685	0.94	0.42	0.84	0.20	0.00	0.00	1.40	3.89								
6690	2.72	1.23	1.78	0.43	0.00	0.00	4.31	10.47								
6695	6.11	2.76	3.73	0.89	0.00	0.00	9.70	23.19								
6700	7.85	3.54	6.56	1.57	0.00	0.00	12.46	31.98								
6705	9.87	4.45	8.13	1.95	0.00	0.00	15.66	40.06								
6710	11.34	5.12	9.50	2.28	0.00	0.00	18.00	46.24								
6715	12.85	5.80	11.81	2.83	0.00	0.00	20.39	53.68								
6720	0.94	0.43	0.84	0.20	0.00	0.00	1.50	3.91								
6730	2.29	1.03	1.84	0.44	0.00	0.00	3.63	9.23								
6735	5.98	2.70	3.67	0.88	0.00	0.00	9.48	22.71								
6740	7.95	3.59	6.03	1.45	0.00	0.00	12.61	31.63								
6745	9.52	4.29	6.24	1.50	0.00	0.00	15.10	36.65								
6750	0.94	0.43	0.73	0.18	0.00	0.00	1.50	3.78								
6760	4.78	2.15	2.73	0.65	0.00	0.00	7.58	17.89								
6765	7.25	3.27	4.20	1.01	0.00	0.00	11.50	27.23								
6770	9.75	4.40	8.19	1.96	0.00	0.00	15.47	39.77								
6775	14.54	6.56	13.75	3.30	0.00	0.00	23.07	61.22								
6785	8.74	4.95	5.79	1.97	2.72	0.41	8.98	33.56	10.92	5.07	7.57	2.57	4.52	0.68	11.98	43.31
6790	18.50	9.69	11.43	3.09	7.14	1.97	14.26	65.18	23.12	9.94	15.03	4.06	11.86	1.78	19.31	85.10
6795	19.35	11.13	12.74	3.06	7.14	1.07	17.31	71.80	24.19	11.39	16.66	4.00	11.86	1.78	23.30	93.18
6800	22.08	11.31	16.48	4.12	8.61	1.29	18.37	82.26	27.60	11.60	21.38	5.35	14.95	2.24	24.73	107.85
6805	23.55	12.00	16.48	4.12	8.61	1.29	19.58	85.63	29.44	12.31	21.38	5.35	14.95	2.24	26.35	112.02
6810	28.73	14.86	15.59	4.21	9.65	1.45	22.10	96.59	35.91	15.25	20.49	5.53	16.04	2.41	29.92	125.55
6815	30.86	17.50	17.37	4.17	9.65	1.45	27.51	108.51	38.58	17.91	22.72	5.45	16.04	2.41	37.04	140.15
6820	35.83	18.23	25.64	6.41	12.31	1.92	29.77	130.61	44.78	18.70	33.26	8.32	22.24	3.34	40.08	170.72
6825	37.48	19.01	25.64	6.41	12.81	1.92	31.13	134.40	46.85	19.51	33.26	8.32	22.24	3.34	41.91	175.43
6830	40.32	20.34	25.64	6.41	16.30	1.15	32.97	146.59	51.03	21.49	33.26	8.32	28.42	4.26	45.73	192.51
6835	36.72	19.10	19.06	5.15	13.10	1.06	28.28	123.37	45.91	19.60	25.05	6.76	21.75	3.26	38.29	160.62
6840	46.07	23.53	34.80	8.70	17.37	2.51	38.31	171.39	57.59	24.14	45.14	11.29	30.17	4.53	51.57	224.43
6855	12.20	6.97	8.84	2.12	4.18	0.63	16.90	45.84	15.26	7.14	11.56	2.77	6.95	1.04	14.67	59.39
6860	17.54	9.09	11.26	3.04	6.02	0.90	13.50	61.35	21.93	9.33	14.80	4.00	10.01	1.50	18.28	79.85
6865	17.82	10.58	12.55	3.01	8.35	1.34	16.05	70.30	22.28	10.84	16.41	3.94	14.86	2.23	21.61	92.17
6870	21.02	10.80	18.17	4.54	8.61	1.29	17.50	81.93	26.28	11.08	23.57	5.89	14.95	2.24	23.56	107.57
6875	25.54	12.89	18.17	4.54	8.06	1.21	21.20	91.61	31.93	13.23	23.57	5.89	14.00	2.10	28.54	119.26
6885	8.92	5.00	4.83	1.54	2.37	0.35	3.15	32.26	11.15	5.11	6.31	2.15	3.93	0.59	12.20	41.44
6890	18.54	9.63	11.30	3.05	6.49	0.97	14.27	64.25	23.17	9.88	14.85	4.01	10.78	1.62	19.32	83.63
6895	22.07	11.30	18.72	4.68	8.61	1.29	18.36	85.03	27.59	11.60	24.28	6.07	14.95	2.24	24.72	111.45
6900	19.52	11.12	12.59	3.02	6.49	0.97	17.42	71.13	24.41	11.39	16.46	3.95	10.78	1.62	23.46	92.07
6910	9.48	5.29	6.76	2.30	2.37	0.35	9.71	36.26	11.85	5.41	8.84	3.00	3.93	0.59	12.95	46.57
6915	12.58	7.17	9.65	2.32	4.18	0.63	11.23	47.76	15.73	7.34	12.62	3.03	6.95	1.04	15.12	61.83
6925	18.69	10.69	11.97	2.87	6.49	0.97	16.69	68.37	23.36	10.94	15.65	3.76	10.78	1.62	22.47	88.58
6930	30.68	15.98	16.46	4.44	11.12	1.67	23.63	103.98	38.36	16.40	21.63	5.84	18.48	2.77	32.00	135.48
6935	20.06	10.24	10.55	2.64	7.51	1.13	16.68	68.81	25.07	10.50	13.69	3.42	13.04	1.96	22.45	90.13
6940	26.60	13.51	19.05	4.76	9.27	1.39	22.10	96.68	33.25	13.86	24.71	6.18	16.11	2.42	29.75	126.28
6945	35.19	17.89	22.67	5.67	12.44	1.87	29.24	124.97	43.99	18.36	29.41	7.35	21.61	3.24	39.37	163.33
6950	40.12	20.45	26.26	6.57	14.76	2.21	33.35	143.72	50.14	20.98	34.07	8.52	25.63	3.84	44.89	188.07
6965	4.66	2.90	0.00	0.13	1.49	0.22	4.20	13.60	5.59	2.95	0.00	0.13	1.94	0.29	5.40	16.30
6970	5.86	3.82	0.00	0.13	2.67	0.40	5.32	18.20	7.03	3.88	0.00	0.13	3.49	0.52	6.84	21.89
6980	2.30	1.49	0.00	0.08	0.37	0.15	2.08	7.07	2.76	1.51	0.00	0.08	1.27	0.19	2.68	8.49
6990	7.13	3.81	5.87	1.41	0.77	0.12	7.24	26.35	8.91	3.90	7.67	1.84	1.32	0.20	10.26	34.10
6995	11.07	5.97	11.74	2.82	1.57	0.24	11.26	44.67	13.84	6.11	15.35	3.68	2.68	0.40	15.95	58.01
7005	10.22	5.40	12.28	2.95	0.43	0.07	10.35	41.70	12.77	5.53	16.06	3.85	0.71	0.11	14.67	53.70
7015	2.73	1.63	2.64	0.84	0.00	0.00	4.58	12.47	3.47	1.66	3.47	1.11	0.00	0.00	6.25	15.96
7020	0.60	0.32	0.00	0.08	0.00	0.00	0.67	1.67	0.75	0.32	0.00	0.08	0.00	0.00	0.94	2.09
7025	3.80	2.23	3.25	1.04	0.00	0.00	6.28	16.58	4.75	2.27	4.28	1.37	0.00	0.00	8.54	21.21

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
7030	0.72	0.38	0.00	0.08	0.00	0.00	0.81	1.99	0.90	0.39	0.00	0.08	0.00	0.00	1.13	2.50
7035	0.56	0.30	0.00	0.08	0.00	0.00	0.63	1.57	0.71	0.31	0.00	0.08	0.00	0.00	0.89	1.99
7040	5.70	3.34	4.26	1.36	0.00	0.00	9.39	24.05	7.12	3.41	5.61	1.80	0.00	0.00	12.81	30.75
7045	0.97	0.51	0.00	0.08	0.00	0.00	1.08	2.64	1.21	0.52	0.00	0.08	0.00	0.00	1.52	3.33
7050	0.74	0.39	0.00	0.08	0.00	0.00	0.83	2.04	0.93	0.40	0.00	0.08	0.00	0.00	1.17	2.58
7055	7.70	4.51	5.68	1.82	0.00	0.00	12.69	32.40	9.62	4.61	7.48	2.40	0.00	0.00	17.31	41.42
7060	0.98	0.52	0.00	0.08	0.00	0.00	1.09	2.67	1.22	0.53	0.00	0.08	0.00	0.00	1.54	3.37
7065	1.11	0.58	0.00	0.08	0.00	0.00	1.24	3.01	1.38	0.60	0.00	0.08	0.00	0.00	1.74	3.80
7070	11.15	6.54	8.12	2.60	0.00	0.00	18.39	46.80	13.94	6.67	10.69	3.42	0.00	0.00	25.07	59.79
7075	1.57	0.83	0.00	0.08	0.00	0.00	1.76	4.24	1.97	0.85	0.00	0.08	0.00	0.00	2.47	5.37
7080	1.72	0.91	0.00	0.08	0.00	0.00	1.93	4.64	2.16	0.93	0.00	0.08	0.00	0.00	2.71	5.88
7085	1.37	0.73	0.00	0.08	0.00	0.00	1.54	3.72	1.72	0.74	0.00	0.08	0.00	0.00	2.16	4.70
7090	18.78	9.92	13.60	3.40	0.00	0.00	23.60	69.30	23.47	10.15	17.91	4.48	0.00	0.00	32.79	88.79
7095	2.30	1.22	0.00	0.08	0.00	0.00	2.57	6.17	2.88	1.25	0.00	0.08	0.00	0.00	3.62	7.83
7100	2.54	1.34	0.00	0.08	0.00	0.00	2.84	6.80	3.17	1.37	0.00	0.08	0.00	0.00	3.99	8.61
7105	2.32	1.22	0.00	0.08	0.00	0.00	2.59	6.21	2.90	1.25	0.00	0.08	0.00	0.00	3.64	7.87
7110	0.07	0.04	0.00	0.05	0.00	0.00	0.08	0.24	0.09	0.04	0.00	0.05	0.00	0.00	0.11	0.29
7115	22.34	12.59	18.67	4.11	0.00	0.00	26.29	84.00	26.81	12.81	24.59	5.41	0.00	0.00	35.05	104.57
7120	3.20	1.69	0.00	0.08	0.00	0.00	3.57	8.54	3.99	1.73	0.00	0.08	0.00	0.00	5.02	10.82
7125	3.38	1.78	0.00	0.08	0.00	0.00	3.77	9.01	4.22	1.83	0.00	0.08	0.00	0.00	5.31	11.44
7130	2.81	1.49	0.00	0.08	0.00	0.00	3.14	7.52	3.52	1.52	0.00	0.08	0.00	0.00	4.42	9.54
7135	0.83	0.44	0.00	0.12	0.00	0.00	0.92	2.31	1.03	0.45	0.00	0.12	0.00	0.00	1.30	2.90
7140	0.09	0.05	0.00	0.08	0.00	0.00	0.10	0.32	0.12	0.05	0.00	0.08	0.00	0.00	0.15	0.40
7145	37.43	21.09	28.41	6.25	0.00	0.00	44.03	137.21	44.91	21.46	37.42	8.23	0.00	0.00	58.71	170.73
7150	4.84	2.56	0.00	0.08	0.00	0.00	5.41	12.89	6.05	2.62	0.00	0.08	0.00	0.00	7.60	16.35
7155	5.30	2.80	0.00	0.08	0.00	0.00	5.93	14.11	6.63	2.87	0.00	0.08	0.00	0.00	8.33	17.91
7160	0.11	0.06	0.00	0.08	0.00	0.00	0.12	0.37	0.13	0.06	0.00	0.08	0.00	0.00	0.17	0.44
7165	3.59	1.90	0.00	0.08	0.00	0.00	4.01	9.58	4.49	1.94	0.00	0.08	0.00	0.00	5.64	12.15
7175	4.27	2.50	3.57	1.14	0.00	0.00	7.04	18.52	5.33	2.55	4.70	1.51	0.00	0.00	9.60	23.59
7180	0.70	0.37	0.00	0.08	0.00	0.00	0.78	1.93	0.87	0.38	0.00	0.08	0.00	0.00	1.09	2.42
7185	0.70	0.37	0.00	0.05	0.00	0.00	0.78	1.90	0.87	0.38	0.00	0.05	0.00	0.00	1.09	2.39
7190	5.87	3.44	4.95	1.58	0.00	0.00	9.59	25.53	7.34	3.52	6.52	2.09	0.00	0.00	13.21	32.68
7195	0.78	0.41	0.00	0.08	0.00	0.00	0.87	2.14	0.97	0.42	0.00	0.08	0.00	0.00	1.22	2.69
7200	0.95	0.50	0.00	0.05	0.00	0.00	1.06	2.56	1.18	0.51	0.00	0.05	0.00	0.00	1.49	3.23
7205	7.57	4.44	6.09	1.95	0.00	0.00	12.48	32.53	9.46	4.53	8.02	2.57	0.00	0.00	17.02	41.60
7210	1.19	0.63	0.00	0.08	0.00	0.00	1.33	3.23	1.48	0.64	0.00	0.08	0.00	0.00	1.87	4.07
7215	1.19	0.63	0.00	0.05	0.00	0.00	1.32	3.19	1.48	0.64	0.00	0.05	0.00	0.00	1.86	4.03
7220	11.36	6.66	9.05	2.90	0.00	0.00	18.74	48.71	14.20	6.80	11.92	3.81	0.00	0.00	25.56	62.29
7225	1.27	0.67	0.00	0.08	0.00	0.00	1.42	3.44	1.59	0.69	0.00	0.08	0.00	0.00	2.00	4.36
7230	1.33	0.70	0.00	0.08	0.00	0.00	1.49	3.60	1.67	0.72	0.00	0.08	0.00	0.00	2.10	4.57
7235	1.80	0.95	0.00	0.05	0.00	0.00	2.01	4.81	2.25	0.97	0.00	0.05	0.00	0.00	2.83	6.10
7240	19.44	10.27	12.18	3.04	0.00	0.00	24.44	69.37	24.30	10.51	16.04	4.01	0.00	0.00	33.95	88.81
7245	2.52	1.33	0.00	0.05	0.00	0.00	2.82	6.72	3.15	1.36	0.00	0.05	0.00	0.00	3.96	8.52
7250	2.55	1.35	0.00	0.05	0.00	0.00	2.85	6.80	3.19	1.38	0.00	0.05	0.00	0.00	4.01	8.63
7255	22.89	12.09	17.25	4.31	0.00	0.00	28.78	85.32	28.62	12.38	22.72	5.68	0.00	0.00	39.97	109.37
7260	3.80	2.01	0.00	0.05	0.00	0.00	4.24	10.10	4.75	2.05	0.00	0.05	0.00	0.00	5.97	12.82
7265	3.90	2.06	0.00	0.05	0.00	0.00	4.36	10.37	4.88	2.11	0.00	0.05	0.00	0.00	6.13	13.17
7270	2.44	1.29	0.00	0.08	0.00	0.00	2.72	6.53	3.05	1.32	0.00	0.08	0.00	0.00	3.83	8.28
7275	24.81	13.98	18.47	4.06	0.00	0.00	29.19	90.51	29.77	14.23	24.32	5.35	0.00	0.00	38.92	112.59
7280	4.39	2.32	0.00	0.05	0.00	0.00	4.91	11.67	5.49	2.37	0.00	0.05	0.00	0.00	6.90	14.81
7285	5.01	2.64	0.00	0.05	0.00	0.00	5.59	13.29	6.26	2.71	0.00	0.05	0.00	0.00	7.87	16.89
7290	2.78	1.47	0.00	0.08	0.00	0.00	3.11	7.44	3.48	1.50	0.00	0.08	0.00	0.00	4.37	9.43
7300	3.48	2.04	2.64	0.84	0.00	0.00	5.74	14.74	4.35	2.08	3.47	1.11	0.00	0.00	7.83	18.84
7305	4.36	2.56	3.17	1.01	0.00	0.00	7.20	18.30	5.46	2.61	4.17	1.33	0.00	0.00	9.82	23.39
7310	6.38	3.74	4.46	1.43	0.00	0.00	10.52	26.53	7.97	3.82	5.88	1.88	0.00	0.00	14.34	33.89

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

ITEM	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
7315	8.36	4.90	5.68	1.82	0.00	0.00	13.79	34.55	10.45	5.00	7.48	2.40	0.00	0.00	18.80	44.13
7320	6.97	0.51	0.00	0.05	0.00	0.00	1.09	2.62	1.21	0.53	0.00	0.05	0.00	0.00	1.53	3.32
7325	1.09	0.58	0.00	0.05	0.00	0.00	1.22	2.94	1.37	0.59	0.00	0.05	0.00	0.00	1.72	3.73
7330	12.70	7.44	8.52	2.73	0.00	0.00	20.94	52.33	15.87	7.60	11.23	3.59	0.00	0.00	28.56	66.85
7335	1.71	0.90	0.00	0.05	0.00	0.00	1.91	4.57	2.13	0.92	0.00	0.05	0.00	0.00	2.68	5.78
7340	1.17	0.62	0.00	0.05	0.00	0.00	1.31	3.15	1.46	0.63	0.00	0.05	0.00	0.00	1.84	3.98
7345	18.03	9.52	12.58	3.15	0.00	0.00	22.66	65.94	22.53	9.75	16.57	4.14	0.00	0.00	31.47	84.46
7350	2.12	1.12	0.00	0.05	0.00	0.00	2.37	5.66	2.66	1.15	0.00	0.05	0.00	0.00	3.34	7.20
7355	1.77	0.93	0.00	0.05	0.00	0.00	1.97	4.72	2.21	0.96	0.00	0.05	0.00	0.00	2.78	6.00
7360	0.73	0.39	0.00	0.08	0.00	0.00	0.82	2.02	0.91	0.40	0.00	0.08	0.00	0.00	1.15	2.54
7365	0.43	0.23	0.00	0.13	0.00	0.00	0.48	1.27	0.54	0.23	0.00	0.13	0.00	0.00	0.67	1.57
7370	0.97	0.04	0.00	0.08	0.00	0.00	0.08	0.27	0.09	0.04	0.00	0.08	0.00	0.00	0.11	0.32
7380	1.35	1.33	1.70	0.55	0.00	0.00	3.89	9.88	2.95	1.41	2.25	0.72	0.00	0.00	5.30	12.63
7385	3.42	2.00	2.64	0.84	0.00	0.00	5.64	14.54	4.27	2.05	3.47	1.11	0.00	0.00	7.68	18.58
7390	4.09	2.40	2.92	0.94	0.00	0.00	6.74	17.09	5.11	2.45	3.85	1.23	0.00	0.00	9.19	21.83
7400	2.86	1.68	2.56	0.82	0.00	0.00	4.72	12.64	3.58	1.71	3.37	1.08	0.00	0.00	6.44	16.18
7405	0.50	0.26	0.00	0.05	0.00	0.00	0.56	1.37	0.62	0.27	0.00	0.05	0.00	0.00	0.78	1.72
7410	4.30	2.52	3.65	1.17	0.00	0.00	7.10	18.74	5.38	2.58	4.81	1.54	0.00	0.00	9.68	23.99
7415	0.36	0.19	0.00	0.05	0.00	0.00	0.40	1.00	0.45	0.20	0.00	0.05	0.00	0.00	0.57	1.27
7420	6.26	3.67	4.79	1.53	0.00	0.00	10.32	26.57	7.82	3.75	6.31	2.02	0.00	0.00	14.08	33.98
7425	0.60	0.32	0.00	0.05	0.00	0.00	0.67	1.64	0.76	0.33	0.00	0.05	0.00	0.00	0.95	2.09
7430	8.80	5.16	6.29	2.01	0.00	0.00	14.51	36.77	11.00	5.27	8.29	2.65	0.00	0.00	19.79	47.00
7435	0.79	0.42	0.00	0.05	0.00	0.00	0.89	2.15	0.99	0.43	0.00	0.05	0.00	0.00	1.25	2.72
7440	11.08	6.50	8.93	2.86	0.00	0.00	18.28	47.65	13.86	6.64	11.76	3.76	0.00	0.00	24.93	60.95
7445	1.24	0.66	0.00	0.05	0.00	0.00	1.39	3.34	1.55	0.67	0.00	0.05	0.00	0.00	1.95	4.22
7450	1.32	0.70	0.00	0.05	0.00	0.00	1.48	3.55	1.66	0.72	0.00	0.05	0.00	0.00	2.08	4.51
7455	17.04	9.01	12.99	3.25	0.00	0.00	21.43	63.72	21.31	9.22	17.11	4.28	0.00	0.00	29.76	81.68
7460	1.71	0.90	0.00	0.05	0.00	0.00	1.91	4.57	2.14	0.92	0.00	0.05	0.00	0.00	2.68	5.79
7465	1.80	0.95	0.00	0.05	0.00	0.00	2.01	4.81	2.25	0.97	0.00	0.05	0.00	0.00	2.83	6.10
7470	22.97	12.13	16.64	4.16	0.00	0.00	28.87	84.77	28.71	12.42	21.92	5.48	0.00	0.00	40.10	108.63
7475	2.33	1.23	0.00	0.05	0.00	0.00	2.60	6.21	2.91	1.26	0.00	0.05	0.00	0.00	3.65	7.87
7480	2.12	1.12	0.00	0.05	0.00	0.00	2.37	5.66	2.65	1.15	0.00	0.05	0.00	0.00	3.33	7.18
7485	36.13	20.36	25.17	5.54	0.00	0.00	42.51	129.71	43.36	20.72	33.15	7.29	0.00	0.00	56.68	161.20
7490	5.44	2.88	0.00	0.05	0.00	0.00	6.08	14.45	6.80	2.94	0.00	0.05	0.00	0.00	8.55	18.34
7495	5.11	2.70	0.00	0.05	0.00	0.00	5.71	13.57	6.39	2.77	0.00	0.05	0.00	0.00	8.04	17.25
7500	4.78	2.53	0.00	0.05	0.00	0.00	5.35	12.71	5.98	2.59	0.00	0.05	0.00	0.00	7.52	16.14
7510	12.76	7.48	8.32	2.66	0.00	0.00	21.05	52.27	15.95	7.64	10.96	3.51	0.00	0.00	28.70	66.76
7515	1.22	0.65	0.00	0.05	0.00	0.00	1.37	3.29	1.53	0.66	0.00	0.05	0.00	0.00	1.92	4.16
7520	1.37	0.72	0.00	0.05	0.00	0.00	1.53	3.67	1.71	0.74	0.00	0.05	0.00	0.00	2.16	4.66
7525	1.40	0.74	0.00	0.05	0.00	0.00	1.57	3.76	1.75	0.76	0.00	0.05	0.00	0.00	2.20	4.76
7530	16.24	8.58	10.55	2.64	0.00	0.00	20.41	58.42	20.30	8.78	13.90	3.47	0.00	0.00	28.35	74.80
7535	1.73	0.92	0.00	0.05	0.00	0.00	1.94	4.64	2.17	0.94	0.00	0.05	0.00	0.00	2.73	5.89
7540	2.27	1.20	0.00	0.05	0.00	0.00	2.54	6.06	2.84	1.23	0.00	0.05	0.00	0.00	3.57	7.69
7545	1.97	1.04	0.00	0.05	0.00	0.00	2.20	5.26	2.46	1.07	0.00	0.05	0.00	0.00	3.10	6.68
7550	0.57	0.30	0.00	0.12	0.00	0.00	0.64	1.63	0.71	0.31	0.00	0.12	0.00	0.00	0.90	2.04
7555	22.92	12.11	15.02	3.75	0.00	0.00	28.81	82.61	28.65	12.39	19.78	4.95	0.00	0.00	40.02	105.79
7560	2.27	1.20	0.00	0.05	0.00	0.00	2.53	6.05	2.83	1.23	0.00	0.05	0.00	0.00	3.56	7.67
7565	2.48	1.31	0.00	0.05	0.00	0.00	2.77	6.61	3.10	1.34	0.00	0.05	0.00	0.00	3.90	8.39
7570	2.23	1.18	0.00	0.05	0.00	0.00	2.49	5.95	2.79	1.21	0.00	0.05	0.00	0.00	3.50	7.55
7575	0.09	0.05	0.00	0.05	0.00	0.00	0.10	0.29	0.12	0.05	0.00	0.05	0.00	0.00	0.15	0.37
7580	0.52	0.28	0.00	0.11	0.00	0.00	0.58	1.49	0.65	0.28	0.00	0.11	0.00	0.00	0.82	1.86
7590	11.86	6.47	7.90	2.21	2.41	0.36	9.35	40.56	14.82	6.62	10.39	2.91	5.05	0.76	12.66	53.21
7595	16.91	9.53	11.29	3.16	5.62	0.34	13.43	60.78	21.14	9.76	14.85	4.16	11.77	1.76	18.18	81.62
7605	18.57	10.43	11.36	3.18	5.88	0.88	14.73	65.03	23.21	10.67	14.95	4.19	12.32	1.85	19.95	87.14
7610	30.56	17.72	21.52	6.03	9.74	1.46	24.42	111.45	38.19	18.14	28.31	7.93	20.40	3.06	33.06	149.09

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRES	TIRES	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRES	TIRES	REPR	TOTAL RATE
7620	1.02	0.56	1.62	0.45	0.22	0.03	0.81	4.71	1.28	0.58	2.13	0.50	0.46	0.07	1.09	6.21
7625	1.16	0.63	1.88	0.53	0.22	0.03	0.91	5.36	1.45	0.65	2.47	0.59	0.46	0.07	1.24	7.03
7630	1.30	0.71	2.33	0.65	0.27	0.04	1.02	6.32	1.62	0.73	3.07	0.86	0.54	0.08	1.39	8.29
7640	0.25	0.14	0.72	0.23	0.03	0.01	0.34	1.72	0.31	0.15	0.94	0.30	0.05	0.01	0.47	2.23
7645	1.15	0.64	1.44	0.46	0.06	0.01	1.55	5.31	1.44	0.65	1.87	0.50	0.09	0.01	2.15	6.81
7650	1.32	0.73	2.24	0.72	0.06	0.01	1.78	6.86	1.65	0.74	2.91	0.93	0.09	0.01	2.47	8.80
7655	2.89	1.60	2.41	0.67	0.19	0.03	3.90	11.69	3.62	1.64	3.17	0.89	0.27	0.04	5.41	15.04
7660	6.27	3.45	3.80	1.06	0.32	0.05	8.43	23.38	7.84	3.53	5.00	1.40	0.45	0.07	11.71	30.00
7670	10.46	5.64	3.76	1.05	0.00	0.00	13.99	34.90	13.08	5.77	4.95	1.39	0.00	0.00	19.44	41.63
7675	15.09	8.14	6.58	1.84	0.00	0.00	20.19	51.84	18.87	8.33	8.66	2.43	0.00	0.00	28.05	65.34
7685	11.14	6.00	3.16	0.88	0.00	0.00	14.90	36.08	13.92	6.14	4.16	1.16	0.00	0.00	20.69	46.07
7690	19.45	10.49	6.58	1.84	0.00	0.00	26.02	64.38	24.31	10.73	8.66	2.43	0.00	0.00	36.14	82.27
7705	0.87	0.33	2.85	0.91	0.12	0.02	0.88	5.98	1.04	0.34	3.80	1.22	0.15	0.02	1.21	7.78
7710	1.08	0.41	2.85	0.91	0.14	0.02	1.10	6.51	1.30	0.42	3.80	1.22	0.18	0.03	1.50	8.45
7715	0.90	0.35	2.85	0.91	0.18	0.03	0.92	6.14	1.08	0.36	3.80	1.22	0.22	0.03	1.27	7.98
7720	1.10	0.43	2.85	0.91	0.21	0.03	1.12	6.65	1.32	0.44	3.80	1.22	0.28	0.04	1.54	8.64
7725	1.01	0.40	2.85	0.91	0.29	0.04	1.04	6.54	1.21	0.41	3.80	1.22	0.36	0.05	1.42	8.47
7730	1.36	0.70	6.52	2.09	0.38	0.06	1.20	12.31	1.82	0.73	8.39	2.68	0.48	0.07	1.87	16.04
7735	1.91	0.96	3.76	1.05	0.38	0.06	1.67	9.79	2.55	0.99	4.39	1.37	0.48	0.07	2.60	12.95
7740	1.59	0.81	7.50	2.40	0.38	0.06	1.40	14.14	2.12	0.84	9.64	3.08	0.48	0.07	2.17	18.40
7745	2.18	1.08	3.76	1.05	0.38	0.06	1.90	10.41	2.90	1.12	4.89	1.37	0.48	0.07	2.96	13.79
7750	1.78	0.91	7.50	2.40	0.46	0.07	1.56	14.68	2.37	0.94	9.64	3.08	0.58	0.09	2.43	19.13
7755	2.20	1.15	3.76	1.05	0.79	0.12	1.95	11.02	2.93	1.19	4.89	1.37	1.01	0.15	3.03	14.57
7760	2.69	1.39	14.03	4.49	0.80	0.12	2.37	25.89	3.59	1.43	18.08	5.79	1.04	0.16	3.69	33.78
7765	3.72	1.90	6.09	1.71	0.96	0.14	3.28	17.80	4.97	1.96	7.92	2.22	1.24	0.19	5.10	23.60
7770	3.90	1.98	6.09	1.71	0.98	0.15	3.43	18.24	5.20	2.05	7.92	2.22	1.27	0.19	5.34	24.19
7775	3.67	1.88	6.09	1.71	0.98	0.15	3.23	17.71	4.90	1.94	7.92	2.22	1.27	0.19	5.03	23.47
7780	4.33	2.19	6.09	1.71	0.98	0.15	3.80	19.25	5.77	2.26	7.92	2.22	1.27	0.19	5.91	25.54
7785	5.69	2.87	8.32	2.33	1.30	0.20	4.99	25.70	7.59	2.97	10.81	3.03	1.68	0.25	7.77	34.10
7790	6.03	3.05	8.32	2.33	1.40	0.21	5.29	26.63	8.04	3.16	10.81	3.03	1.80	0.27	8.23	35.34
7795	5.70	2.89	8.32	2.33	1.40	0.21	5.01	25.86	7.59	3.00	10.81	3.03	1.80	0.27	7.79	34.29
7800	5.67	2.84	9.95	2.79	1.17	0.18	4.96	27.56	7.55	2.94	12.94	3.62	1.52	0.23	7.72	36.52
7810	1.00	0.38	2.99	0.96	0.15	0.02	1.01	6.51	1.20	0.39	3.99	1.28	0.18	0.03	1.39	8.46
7815	1.28	0.49	2.90	0.93	0.15	0.02	1.30	7.07	1.54	0.50	3.87	1.24	0.18	0.03	1.79	9.15
7820	1.40	0.53	2.99	0.96	0.16	0.02	1.42	7.48	1.68	0.54	3.99	1.28	0.21	0.03	1.95	9.68
7825	1.31	0.50	2.99	0.96	0.16	0.02	1.33	7.27	1.57	0.51	3.99	1.28	0.20	0.03	1.83	9.41
7830	1.34	0.51	2.99	0.96	0.18	0.03	1.36	7.37	1.61	0.53	3.99	1.28	0.24	0.04	1.87	9.56
7835	1.26	0.49	2.90	0.93	0.29	0.04	1.29	7.20	1.51	0.51	3.87	1.24	0.36	0.05	1.77	9.31
7840	1.24	0.64	6.82	2.18	0.38	0.06	1.09	12.41	1.65	0.66	8.77	2.81	0.48	0.07	1.70	16.14
7845	1.36	0.70	6.82	2.18	0.38	0.06	1.20	12.70	1.81	0.72	8.77	2.81	0.48	0.07	1.86	16.52
7850	1.79	0.90	3.83	1.07	0.38	0.06	1.57	9.60	2.39	0.93	4.98	1.39	0.48	0.07	2.44	12.68
7855	1.43	0.75	7.58	2.43	0.46	0.07	1.27	13.99	1.91	0.77	9.75	3.12	0.58	0.09	1.97	18.19
7860	2.54	1.29	4.29	1.20	0.60	0.09	2.23	12.24	3.38	1.33	5.58	1.56	0.76	0.11	3.47	16.19
7865	2.70	1.42	13.02	4.17	1.04	0.16	2.40	24.91	3.60	1.47	16.78	5.37	1.35	0.20	3.73	22.50
7870	3.09	1.61	7.13	2.00	1.04	0.16	2.73	17.76	4.12	1.67	9.27	2.60	1.35	0.20	4.25	23.46
7875	3.40	1.72	8.18	2.29	0.75	0.11	2.99	19.44	4.54	1.78	10.63	2.98	0.95	0.14	4.64	25.56
7880	3.45	1.78	7.31	2.05	1.04	0.16	3.05	18.84	4.60	1.84	9.50	2.66	1.35	0.20	4.74	24.89
7885	3.96	1.98	5.34	1.49	0.74	0.11	3.47	17.09	5.28	2.05	6.94	1.94	0.93	0.14	5.39	22.67
7890	4.79	2.41	11.66	3.26	1.04	0.16	4.20	27.52	6.38	2.49	15.16	4.24	1.35	0.20	6.53	36.35
7895	5.50	2.78	10.68	2.99	1.25	0.19	4.83	28.22	7.34	2.88	13.89	3.89	1.59	0.24	7.51	37.34
7900	5.47	2.80	10.68	2.99	1.44	0.22	4.82	28.42	7.30	2.89	13.89	3.89	1.85	0.28	7.49	37.59
7910	0.99	0.38	1.76	0.56	0.16	0.02	1.01	4.88	1.19	0.39	2.35	0.75	0.21	0.03	1.38	6.30
7915	1.10	0.56	6.23	1.99	0.27	0.04	0.97	11.16	1.47	0.58	8.00	2.56	0.34	0.05	1.51	14.51
7920	1.15	0.58	6.23	1.99	0.27	0.04	1.01	11.27	1.53	0.60	8.00	2.56	0.34	0.05	1.57	14.65
7925	1.62	0.81	3.83	1.07	0.27	0.04	1.42	9.06	2.16	0.83	4.98	1.39	0.34	0.05	2.20	11.95

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

INIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
7930	1.22	0.62	8.00	2.56	0.27	0.04	1.07	13.78	1.63	0.64	10.29	3.29	0.34	0.05	1.67	17.91
7935	1.83	0.92	4.18	1.17	0.38	0.06	1.60	10.14	2.44	0.95	5.43	1.52	0.48	0.07	2.49	13.38
7940	1.41	0.72	8.05	2.57	0.38	0.06	1.24	14.43	1.88	0.75	10.35	3.31	0.48	0.07	1.94	18.78
7945	2.40	1.10	4.87	1.36	0.38	0.06	2.09	12.35	3.20	1.23	6.33	1.77	0.48	0.07	3.26	16.34
7950	3.33	1.96	7.31	2.05	1.04	0.16	3.37	19.72	5.11	2.03	9.50	2.66	1.35	0.20	5.25	26.10
7955	4.63	2.34	8.00	2.24	1.04	0.16	4.06	22.47	6.18	2.42	10.41	2.91	1.35	0.20	6.32	29.79
7960	4.90	2.46	10.09	2.83	1.04	0.16	4.29	25.77	6.53	2.55	13.12	3.67	1.35	0.20	6.68	34.10
7965	4.73	2.38	7.83	2.19	1.04	0.16	4.15	22.48	6.31	2.47	10.18	2.85	1.35	0.20	6.46	29.82
7970	5.10	2.56	10.09	2.83	1.04	0.16	4.47	26.25	6.81	2.65	13.12	3.67	1.35	0.20	6.95	34.75
7980	6.32	3.14	10.09	2.83	1.10	0.17	5.52	29.17	8.42	3.25	13.12	3.67	1.42	0.21	8.58	38.67
7985	6.44	3.20	10.09	2.83	1.10	0.17	5.62	29.45	8.58	3.31	13.12	3.67	1.42	0.21	8.75	39.06
7990	7.13	3.52	10.09	2.83	1.10	0.17	6.22	31.06	9.51	3.65	13.12	3.67	1.42	0.21	9.67	41.25
8000	6.01	3.02	8.70	2.44	1.25	0.19	5.27	26.88	8.02	3.13	11.31	3.17	1.59	0.24	8.20	35.66
8005	6.72	3.33	12.18	3.41	1.10	0.17	5.87	32.78	8.96	3.45	15.83	4.43	1.42	0.21	9.12	43.42
8010	7.28	3.59	12.18	3.41	1.10	0.17	6.35	34.08	9.71	3.72	15.83	4.43	1.42	0.21	9.87	45.19
8015	7.61	3.75	12.18	3.41	1.10	0.17	6.63	34.85	10.14	3.88	15.83	4.43	1.42	0.21	10.31	46.22
8020	10.34	5.03	12.18	3.41	1.10	0.17	8.98	41.21	13.78	5.21	15.83	4.43	1.42	0.21	13.97	54.85
8030	2.36	1.01	0.00	0.10	0.00	0.00	2.23	5.70								
8035	2.85	1.22	0.00	0.10	0.00	0.00	2.70	6.87								
8040	4.44	1.90	0.00	0.10	0.00	0.00	4.20	10.64								
8045	5.53	2.37	0.00	0.10	0.00	0.00	5.23	13.23								
8050	6.32	2.71	0.00	0.10	0.00	0.00	5.99	15.12								
8060	0.60	0.26	0.00	0.09	0.00	0.00	0.57	1.52	0.80	0.27	0.00	0.09	0.00	0.00	0.87	2.03
8065	0.95	0.41	0.00	0.09	0.00	0.00	0.90	2.35	1.27	0.42	0.00	0.09	0.00	0.00	1.38	3.16
8070	0.97	0.41	0.00	0.09	0.00	0.00	0.91	2.38	1.29	0.43	0.00	0.09	0.00	0.00	1.39	3.20
8075	0.98	0.42	0.00	0.09	0.00	0.00	0.93	2.42	1.31	0.44	0.00	0.09	0.00	0.00	1.41	3.25
8085	0.20	0.08	0.00	0.00	0.00	0.00	0.19	0.47								
8090	0.20	0.09	0.00	0.00	0.00	0.00	0.19	0.48								
8095	0.22	0.09	0.00	0.00	0.00	0.00	0.21	0.52								
8100	0.26	0.11	0.00	0.00	0.00	0.00	0.25	0.62								
8105	0.29	0.12	0.00	0.00	0.00	0.00	0.27	0.68								
8110	0.27	0.12	0.00	0.00	0.00	0.00	0.25	0.64								
8115	0.08	0.03	0.00	0.00	0.00	0.00	0.07	0.18								
8125	0.21	0.09	0.00	0.09	0.00	0.00	0.20	0.59								
8130	0.27	0.11	0.00	0.09	0.00	0.00	0.25	0.72								
8135	0.72	0.31	0.00	0.09	0.00	0.00	0.69	1.81								
8140	0.80	0.34	0.00	0.09	0.00	0.00	0.76	1.99								
8150	2.58	1.10	0.00	0.13	0.00	0.00	2.44	6.25								
8155	2.62	1.12	0.00	0.13	0.00	0.00	2.48	6.35								
8160	2.64	1.13	0.00	0.13	0.00	0.00	2.50	6.40								
8165	2.69	1.15	0.00	0.13	0.00	0.00	2.54	6.51								
8175	1.15	0.49	0.00	0.00	0.00	0.00	1.09	2.73								
8180	1.21	0.52	0.00	0.00	0.00	0.00	1.15	2.88								
8185	1.29	0.55	0.00	0.00	0.00	0.00	1.22	3.06								
8195	2.07	1.19	0.00	0.09	0.51	0.08	1.71	5.65	2.59	1.22	0.00	0.09	0.62	0.09	2.50	7.11
8200	2.41	1.37	0.00	0.09	0.51	0.08	1.99	6.45	3.02	1.40	0.00	0.09	0.62	0.09	2.91	8.13
8205	2.40	1.36	0.00	0.09	0.51	0.08	1.98	6.42	3.00	1.40	0.00	0.09	0.62	0.09	2.89	8.09
8210	3.02	1.72	0.00	0.09	0.57	0.10	2.49	8.09	3.77	1.76	0.00	0.09	0.80	0.12	3.64	10.18
8215	3.17	1.80	0.00	0.09	0.66	0.10	2.61	8.43	3.96	1.84	0.00	0.09	0.79	0.12	3.81	10.61
8220	6.25	3.75	0.00	0.09	2.28	0.34	5.23	17.94	7.81	3.84	0.00	0.09	2.74	0.41	7.62	22.51
8225	6.84	4.16	0.00	0.09	2.76	0.41	5.74	20.00	8.55	4.26	0.00	0.09	3.32	0.50	8.37	25.09
8235	2.50	1.42	0.00	0.09	0.51	0.08	2.05	6.66	3.12	1.45	0.00	0.09	0.62	0.09	3.01	8.38
8245	1.19	0.97	0.00	0.09	0.42	0.06	1.05	3.78								
8250	1.35	1.10	0.00	0.09	0.47	0.07	1.20	4.28								
8255	1.66	1.34	0.00	0.09	0.51	0.08	1.46	5.14								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE	
8260	1.66	1.37	0.00	0.13	0.62	0.09	1.48	5.35								
8265	1.74	1.45	0.00	0.13	0.70	0.11	1.55	5.68								
8270	1.89	1.58	0.00	0.13	0.77	0.12	1.70	6.19								
8275	2.05	1.75	0.00	0.13	0.95	0.14	1.85	6.87								
8280	2.82	2.30	0.00	0.13	0.95	0.14	2.50	8.84								
8285	2.89	2.35	0.00	0.13	0.95	0.14	2.56	9.02								
8290	3.41	2.75	0.00	0.17	1.03	0.15	3.01	10.52								
8295	3.76	3.03	0.00	0.17	1.16	0.17	3.32	11.61								
8300	4.08	3.30	0.00	0.17	1.27	0.19	3.50	12.61								
8305	4.45	3.74	0.00	0.17	1.91	0.29	3.99	14.55								
8310	0.89	0.79	0.00	0.09	0.51	0.08	0.82	3.18								
8320	0.85	0.76	0.00	0.09	0.51	0.08	0.78	3.07								
8330	1.08	0.92	0.00	0.11	0.51	0.08	0.98	3.68								
8335	1.09	0.93	0.00	0.11	0.51	0.08	0.98	3.70								
8345	0.55	0.49	0.00	0.10	0.31	0.05	0.50	2.00								
8350	0.56	0.50	0.00	0.10	0.34	0.05	0.52	2.07								
8355	0.62	0.57	0.00	0.10	0.43	0.06	0.57	2.35								
8365	1.95	1.26	2.37	0.66	0.19	0.03	1.33	7.79								
8370	1.99	1.33	2.37	0.66	0.37	0.06	1.37	8.15								
8375	2.08	1.39	2.37	0.66	0.37	0.06	1.43	8.36								
8385	18.56	11.04	10.69	3.53	5.58	0.84	14.20	64.44	22.28	11.24	13.81	4.56	9.31	1.40	19.88	82.48
8390	25.71	15.51	15.44	5.10	9.61	1.44	19.71	92.52	30.85	15.79	19.95	6.58	16.03	2.40	27.60	119.20
8395	34.82	21.61	20.67	6.82	12.85	1.93	26.83	125.53	41.79	22.00	26.70	8.81	21.43	3.21	37.56	161.50
8400	16.42	9.84	10.69	3.53	5.58	0.84	12.57	59.47	19.70	10.02	13.81	4.56	9.31	1.40	17.60	76.40
8405	23.79	14.75	15.44	5.10	12.12	1.82	18.33	91.35	28.55	15.01	19.95	6.58	20.21	3.03	25.66	118.99
8415	12.05	7.25	5.58	1.84	3.49	0.52	9.24	39.97	14.46	7.38	7.21	2.38	5.61	0.84	12.93	50.81
8420	14.58	8.69	6.06	2.00	3.66	0.55	11.15	46.69	17.49	8.84	7.83	2.58	5.88	0.88	15.62	59.12
8425	14.59	9.07	6.06	2.00	6.17	0.93	11.25	50.07	17.51	9.23	7.83	2.58	9.92	1.49	15.75	64.31
8430	24.70	15.20	10.69	3.53	9.47	1.42	19.00	81.01	29.64	15.47	13.81	4.56	15.22	2.28	26.60	107.58
8440	12.10	7.23	5.08	1.68	2.82	0.42	9.27	38.60	14.52	7.36	6.57	2.17	4.70	0.70	12.97	48.39
8445	19.45	11.47	10.69	3.53	5.05	0.76	14.86	65.81	23.35	11.68	13.81	4.56	8.42	1.26	20.81	83.89
8450	25.01	15.13	14.45	4.77	9.61	1.44	19.19	89.60	30.02	15.40	18.66	6.16	16.03	2.40	26.36	115.53
8455	32.72	20.22	15.35	5.07	11.53	1.73	25.19	111.81	39.26	20.57	19.83	6.54	19.22	2.88	35.27	143.57
8460	33.41	20.82	17.94	5.92	12.85	1.93	25.76	118.63	40.09	21.19	23.17	7.65	21.43	3.21	36.06	152.80
8470	24.77	14.65	13.78	4.55	7.74	1.16	18.93	85.58	29.73	14.91	17.80	5.37	13.27	1.99	26.50	110.07
8480	10.75	6.40	5.11	1.69	3.27	0.49	8.23	35.94	12.90	6.51	6.60	2.18	5.45	0.82	11.52	45.98
8485	15.45	9.21	7.63	2.52	4.81	0.72	11.82	52.16	18.54	9.37	9.85	3.25	8.03	1.20	16.55	66.79
8490	18.48	11.42	11.71	3.87	9.15	1.37	14.23	70.23	22.18	11.63	15.13	4.99	15.26	2.29	19.92	91.40
8495	25.02	15.43	14.83	4.89	12.12	1.82	19.25	93.36	30.02	15.70	19.15	6.32	20.21	3.03	26.96	121.39
8500	35.00	21.71	19.96	6.59	12.85	1.93	26.97	125.01	42.00	22.10	25.78	8.51	21.43	3.21	37.75	160.78
8510	19.19	11.39	9.98	3.29	5.58	0.84	14.67	64.94	23.02	11.59	12.89	4.25	9.31	1.40	20.54	83.00
8515	26.30	15.85	13.69	4.52	9.61	1.44	20.16	91.57	31.56	16.13	17.68	5.83	16.03	2.40	28.23	117.86
8520	28.08	17.14	15.25	5.03	12.12	1.82	21.58	101.02	33.70	17.45	19.70	6.50	20.21	3.03	30.21	130.30
8525	31.24	19.25	16.13	5.32	10.74	1.61	24.04	108.33	37.48	19.60	20.84	6.88	17.91	2.69	33.65	139.05
8530	34.53	21.45	19.44	6.41	12.85	1.93	26.61	123.22	41.44	21.83	25.10	8.28	21.43	3.21	37.25	158.54
8540	7.36	5.47	5.64	1.58	1.91	0.29	6.51	28.76	8.83	5.55	7.42	2.08	2.57	0.39	8.46	35.30
8545	12.58	9.60	12.41	3.48	4.34	0.65	11.21	54.27	15.10	9.74	16.33	4.57	5.84	0.88	14.57	67.03
8550	17.15	13.21	16.93	4.74	6.45	0.97	15.31	74.76	20.57	13.40	22.27	6.24	8.69	1.30	19.91	92.38
8555	17.65	13.55	16.93	4.74	6.45	0.97	15.75	76.04	21.18	13.75	22.27	6.24	8.69	1.30	20.47	93.99
8560	19.65	15.26	20.69	5.79	7.93	1.19	17.59	88.10	23.58	15.48	27.22	7.62	10.68	1.60	22.87	109.05
8565	20.88	16.10	20.69	5.79	7.93	1.19	18.65	91.23	25.05	16.33	27.22	7.62	10.68	1.60	24.25	112.75
8575	12.47	9.52	12.41	3.48	4.34	0.65	11.11	53.98	14.96	9.66	16.33	4.57	5.84	0.88	14.44	66.58
8580	17.06	13.15	16.93	4.74	6.45	0.97	15.24	74.54	20.48	13.34	22.27	6.24	8.69	1.30	19.81	92.13
8585	17.32	13.33	16.93	4.74	6.45	0.97	15.46	75.20	20.78	13.52	22.27	6.24	8.69	1.30	20.10	92.90
8590	21.08	16.24	20.69	5.79	7.93	1.19	18.83	91.75	25.29	16.47	27.22	7.62	10.68	1.60	24.47	113.35

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TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

J D	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
8615	21.44	16.48	20.69	5.79	7.93	1.19	19.14	92.66	25.73	16.72	27.22	7.62	10.68	1.60	24.88	114.45
8635	15.50	9.48	12.41	3.48	5.83	0.87	11.91	59.48	18.60	9.65	16.33	4.57	9.76	1.46	16.67	77.04
8650	23.46	14.53	16.93	4.74	9.25	1.39	18.07	88.37	28.15	14.79	22.27	6.24	15.01	2.25	25.29	114.00
8675	36.34	23.14	24.45	6.85	20.50	3.08	28.12	142.48	43.60	23.55	32.17	9.01	34.47	5.17	39.37	187.34
8695	13.91	8.62	10.42	2.92	5.86	0.88	10.71	53.32	16.69	8.78	13.71	3.84	9.68	1.45	15.00	69.15
8700	24.39	14.73	15.91	4.46	4.00	0.60	19.09	83.78	29.99	14.99	20.94	5.86	6.57	0.99	26.72	106.06
8710	16.30	9.96	12.41	3.48	6.00	0.90	12.53	61.58	19.56	10.14	16.33	4.57	10.02	1.50	17.54	79.66
8715	23.31	14.16	16.93	4.74	8.05	1.21	17.89	86.29	27.97	14.41	22.27	6.24	13.49	2.02	25.05	111.45
8720	4.03	1.42	5.05	1.41	0.04	0.01	6.30	18.46								
8725	6.42	2.15	8.87	2.48	0.04	0.01	9.56	29.53								
"	.01	0.63	0.00	0.01	0.00	0.00	0.69	2.35								
"	.1	0.71	0.00	0.01	0.00	0.00	0.81	2.75								
"	.2	0.30	0.00	0.01	0.00	0.00	0.91	3.20								
8730	1.75	1.13	0.64	0.16	0.17	0.03	1.19	5.07								
8735	2.00	1.28	0.64	0.16	0.17	0.03	1.36	5.64								
8740	2.23	1.42	0.64	0.16	0.17	0.03	1.52	6.17								
8745	0.19	0.09	0.48	0.14	0.00	0.00	0.11	1.01								
8750	0.24	0.11	0.60	0.18	0.00	0.00	0.14	1.27								
8755	0.31	0.12	1.37	0.33	0.03	0.00	0.32	2.48								
8760	0.61	0.23	6.37	1.53	0.02	0.00	0.62	9.38								
8765	1.01	0.39	2.93	0.70	0.04	0.01	1.04	6.12								
8770	0.99	0.38	2.98	0.71	0.04	0.01	1.02	6.13								
8780	0.26	0.12	0.24	0.07	0.00	0.00	0.15	0.84								
8785	0.27	0.13	0.48	0.14	0.00	0.00	0.16	1.18								
8795	0.16	0.08	0.46	0.14	0.00	0.00	0.10	0.94								
8800	0.18	0.08	0.58	0.17	0.00	0.00	0.10	1.11								
8805	0.23	0.11	0.72	0.22	0.00	0.00	0.13	1.41								
8810	0.37	0.18	1.01	0.30	0.00	0.00	0.22	2.08								
8820	0.09	0.04	0.46	0.14	0.00	0.00	0.05	0.78								
8825	0.15	0.07	0.58	0.17	0.00	0.00	0.08	1.05								

APPENDIX A

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

APPENDIX B

AREA FACTORS

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

Sales or Import Tax Rate:	3.0 %
Working Hours Per Year:	1,600 Hrs/Yr
Labor Adjustment Factor (LAF):	1.020
Electricity Cost Per Kilowatt-Hour:	\$ 0.040 /Kw-Hr
Gasoline Cost Per Gallon:	\$ 1.210 /Gal.
Diesel Cost Per Gallon (Off-Road Use):	\$ 0.990 /GAL.
Diesel Cost Per Gallon (On-Road Use):	\$ 1.160 /Gal.
Freight Rates:	0 thru 24,000 lbs. \$14.580 /Cwt. over 24,000 thru 30,000 lbs. \$13.500 /Cwt. over 30,000 thru 44,000 lbs. \$10.520 /Cwt. over 44,000 thru 60,000 lbs. \$ 8.500 /Cwt. over 60,000 thru 9999,900 lbs. \$ 8.120 /Cwt.

APPENDIX C

GUIDE FOR SELECTING OPERATING CONDITIONS

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

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GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

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

GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

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

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GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

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

APPENDIX D
EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS

TABLE LEGEND

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

TABLE LEGEND

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

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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	73	0	50
210		S	13	20	85 .000	.086	.050		13 .000	.013	.007		0	30	26	36	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	73	0	60
225		S	16	20	85 .000	.086	.050		13 .000	.013	.007		0	30	26	86	61	0	55
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 WITH BACKHOE, CRAWLER TYPE	A	10	20	70 .000	.071	.041		0 .000	.000	.000		0	32	38	0	0	0	120
460	LOADER, WHEEL TYPE	S	8	20	91 .000	.092	.054		0 .000	.000	.000		0	32	38	0	0	0	130
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			RPR
					HP	E	G	D	HP	E	G	D	E	G	D	F	D	T	
470	OVER 225 HP	A	12	15	65 .000 .066 .038	0 .000 .000 .000	0	32	30	70	42	0	70						
470		S	10	15	85 .000 .086 .050	0 .000 .000 .000	0	32	30	41	22	0	75						
475	LOADER, FRONT END WITH BACKHOE, WHEEL TYPE	A	10	25	65 .000 .066 .038	0 .000 .000 .000	0	32	28	72	50	0	80						
475		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	O 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 UNIT FOR TANDEM TRACTORS)	A	10	20	70 .000	.000	.041		0 .000	.000	.000		0	0	25	0	0	0	90
620		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 END DUMP	A	10	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	60
655		S	8	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	70
660	TRAILERS, FLATBED, LO-BOY AND TILT	A	10	35	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	65
	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	O 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

CATEGORY	0	1	2	3	4	YEAR PURCHASE NEW			1976	1975	1974	1973	1972
						1979	1978	1977					
AGE IN YEARS	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	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
<hr/>			
FINAL TIRE WEAR FACTORS			
	Trailing (T-Tire)	0.65	0.43
	Front (F-Tire)	0.58	0.39
	Driver (D-Tire)		
	(Rear Dump)	0.39	0.22
	(Bottom Dump)	0.39	0.22
	(Self-Propelled Scrapers)	0.33	0.19

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

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TABLE F-1. Maximum Tire Life.

Bias Ply Tires:

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

Radial Ply Tires:

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

APPENDIX G

EQUIPMENT EXTRAS

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

(1) Crane, Crawler-Mounted.

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

(2) Dragline and Clamshell, Crawler-Mounted.

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

(3) Backhoe and Shovel, Crawler-Mounted.

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

(4) Truck Crane Less than 25 Ton.

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

(5) Truck Crane 25 Ton and Larger.

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

(6) Excavators, Hydraulic.

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

(7) Grader.

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

(8) Belt Loader.

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

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

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

(10) Scraper.

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

(11) Tractor, Crawler.

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

(12) Tractor, Wheel Dozer.

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

(13) Trucks, Off-Highway.

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