

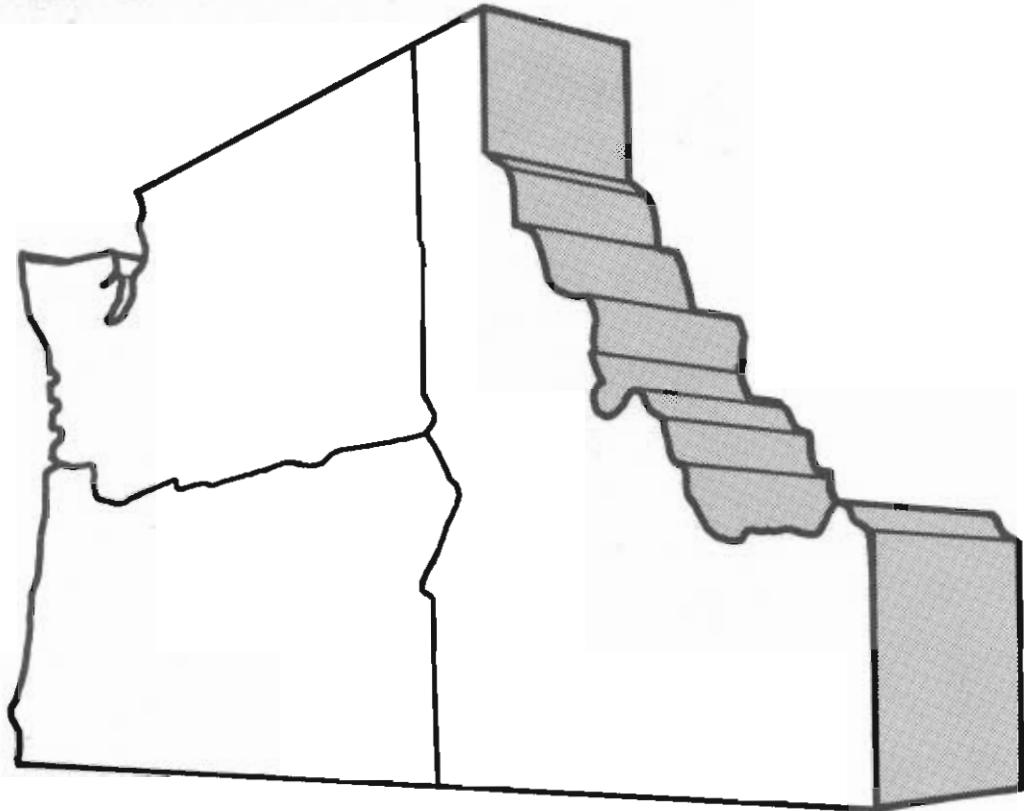


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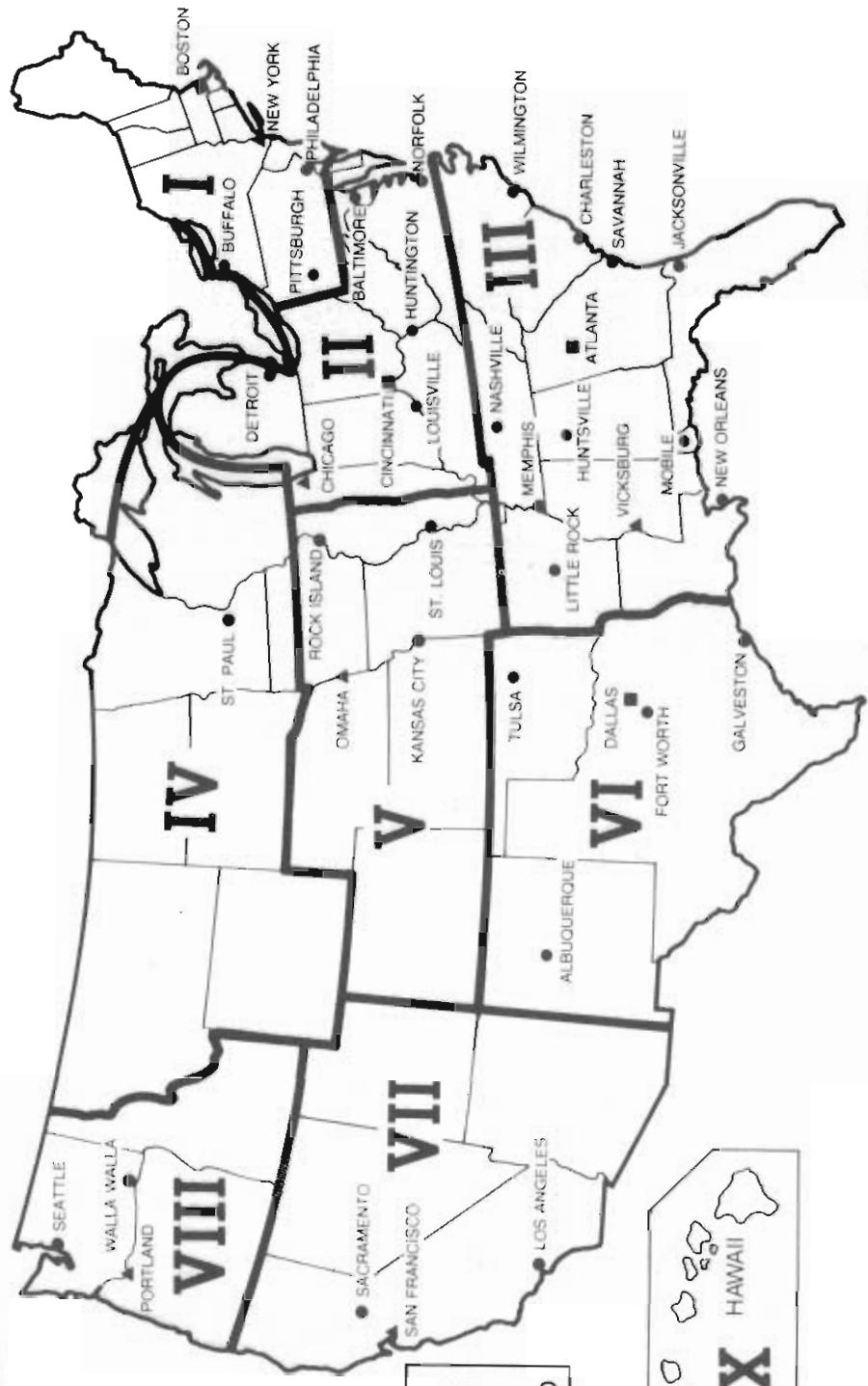
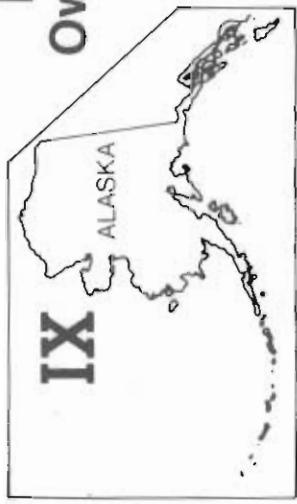
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Volume 8  
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# **Construction Equipment Ownership and Operating Expense Schedule**

## **Region VIII**



# Regions for the Construction Equipment Ownership and Operating Expense Schedule



CECW-LC

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Engineering and Design  
CONSTRUCTION EQUIPMENT OWNERSHIP  
AND OPERATING EXPENSE SCHEDULE

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## CHAPTER 1

## INTRODUCTION

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

1-2. Applicability. This pamphlet applies to HQUSACE/OCE elements, major subordinate commands, districts, laboratories, and field operating activities (FOA) in Region VIII, which includes the following states:

Idaho

Oregon

Washington

1-3. References. See APPENDIX A, References.

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, office or general and administrative (G&A) 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 1989. Ownership percentages and operating costs factors for marine equipment, together with this methodology, can be used to develop marine equipment rates.

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 and all negotiated procurements. This pamphlet shall also be used in pricing of contract modifications when:

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

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

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

1-6. How to Obtain This Publication. Copies of Volumes 1 through 11 of this pamphlet are available only through the U.S. Government Printing Office or their government bookstores. For additional information phone (202)783-3238 or write to the following address:

Superintendent of Documents  
U.S. Government Printing Office  
Washington, D.C. 20402-9325

## CHAPTER 2

### METHODOLOGY

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

2-2. Construction Equipment.

a. General. The total hourly rates include all costs of owning and operating equipment except: (1) operating labor; (2) mobilization and demobilization; (3) office or G&A overhead expenses; (4) replacement cost escalation; (5) investment tax credit; (6) contingency allowance; (7) profit; and (8) other elements of cost listed in paragraph 2-2c(3). 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 (FOG); servicing the equipment; repair and maintenance; tire wear; and tire repair. Area factors used to compute the hourly equipment ownership and operating expenses are provided in APPENDIX B, Area Factors.

b. Operating Conditions.

(1) Equipment rates have been computed for both "Average" and "Severe" working conditions in accordance with APPENDIX C, Guide for Selecting Operation Conditions. "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."

(3) Equipment rates shown for the average condition are included in both TABLE 3-1 and TABLE 3-5. All elements of cost are detailed only in TABLE 3-5, and only this table contains the severe condition rates. The working condition of the equipment relates to the average and severe factors detailed in APPENDIX D, Equipment Hourly Expense Calculation Factors, under the column "C" (condition), where "A" equals average and "S" equals severe.

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 list price for the equipment, including accessories normally purchased, and required safety features. A 7.5 percent discount is taken for all equipment except highway trucks which are discounted 15.0 percent. The identification of the discount is shown in APPENDIX D under column "DC" (Discount Code), where "B" equals the basic discount of 7.50 percent and "S" equals the special discount of 15.0 percent. Estimated allowances for freight and sales or import tax are added to the discounted price to arrive at the predetermined "equipment cost." This amount is indicated in TABLE 3-1 as the "VALUE".

(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 economic index codes shown in APPENDIX D under column "EK" (Economic Key) relate to the economic key number shown in APPENDIX E, Economic Indexes for Construction Equipment. The EAF factor is obtained from APPENDIX E, Economic Indexes for Construction Equipment, and is equal to the economic index for the present 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 1989.

(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 indexes (year of manufacture divided by present year) which are listed in APPENDIX E. Current tire prices are provided in APPENDIX F, Tire Description and Tire Cost, for information only.

(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 "LIFE").

(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 (8.375%) 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 6.70% to avoid duplication when applying markups for overhead and profit (assumed to be 25.0%). The Department of the Treasury adjusts the cost-of-money rate on or about 1 January and 1 July each year; these revisions are printed in the Federal Register.

$$CFC/hr = \frac{[(N-1)(1+S)+2]}{2N} \frac{(\text{Equipment Cost})}{(\text{Work Hrs per Year})} (6.70\%)$$

Where: N = Number of years in depreciation period  
S = Salvage Value Factor

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

(3) Other Elements of Cost. License fees, property taxes, storage, and insurance costs are considered indirect costs and are not included in the hourly use rates. Also job-site security, inspection fees, record-keeping, mechanic's training, and highway permits are excluded from the total hourly rate for each piece of equipment. All of these cost elements are normally allowable; and, if the contractor allocates them directly to a particular piece of equipment, an allowance for those costs may be made.

d. Operating Cost.

(1) General. The total operating cost is the sum of the costs for fuel, FOG (filters, oil, and grease), servicing the equipment, repairs and maintenance (including major overhauls), 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:

- Bhp as used 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.

- Gasoline consumption = 0.62 lbs per bhp-hr
- Diesel consumption = 0.39 lbs per bhp-hr
- Gasoline weight = 6.0 lbs per gallon
- Diesel weight = 7.0 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 "HPF" (horsepower factor) column is shown in APPENDIX D and is expressed as a whole percent. The fuel consumption factors shown in APPENDIX D under columns "Fuel Factor Equipment" and "Fuel Factor Carrier" are computed to include the "HPF", which is shown for information only.

(d) APPENDIX B lists both the gasoline and diesel fuel cost per gallon and the electricity cost per kilowatt hour. The hourly fuel costs for all gasoline powered equipment, diesel

powered highway trucks, and truck crane carriers include an allowance for federal and state road taxes, sales taxes, and rental for fuel storage tanks and pumps.

(e) The estimated hourly fuel costs for average conditions are shown in TABLE 3-1. 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 APPENDIX B. 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 a percentage of the hourly fuel costs (see APPENDIX D) under the column "FOG". Allowances for FOG are expressed in decimal format under each fuel type heading: E (electricity), G (gas), and D (diesel). If the equipment has no engine, a reasonable hourly cost has been included. The cost of wages, fringe benefits, service trucks, and other equipment costs for fueling, greasing, and servicing are included. Material costs for filters, oil, and grease include an allowance for all taxes. The FOG allowance for cranes, draglines, hydraulic excavators, and shovels (except Category Numbers C75, C80.01, C85.11, C85.12, C85.21, C90.01, H25.11, H25.12, H30.01, and H30.02) has been reduced to allow for servicing normally performed by the oiler assigned separately to the piece of equipment (and costed elsewhere).

(4) Maintenance and Repair Costs.

(a) The cost of maintenance and repairs includes allowances for equipment repairs and major overhauls (including undercarriage wear) incurred in either the field or the shop. The basic hourly costs are computed as follows:

$$\text{Repairs/hr} = \frac{(\text{Equipment Cost} - \text{Tire Cost}) \times \text{Repairs Factor \%}}{\text{Life in Hours}}$$

Tire wear and tire repair are normally not considered to be a repair cost and are treated separately. The tire cost is the cost of the tires when the equipment was purchased new. The maintenance and repair cost percentages are given in APPENDIX D (column "RPR") and compensate for the following cost elements:

- Mechanic's labor including base wages, fringe benefits, supervision, and all other costs for labor associated with craft workers engaged in the direct repair and maintenance of equipment.
- Repair parts and supplies required for maintenance and overhauls complete with all applicable sales taxes and freight charges.
- Service trucks and other equipment utilized during repair and maintenance operations, including tools.
- Supporting facilities, such as field and main repair shops (complete with parts and supplies inventory), shop overhead, as well as an allowance for outside specialty services, are included.

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

- 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 present year divided by the economic index for the year the piece of equipment was purchased new.

- Labor Adjustment Factor. The labor adjustment factor (LAF) is used to adjust the repairs percentage (RPR) to account for geographic variations in labor and parts costs. The factor for the region 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. The current tire costs are shown for information in APPENDIX F.

(c) The useful tire life was determined from the method and tables in "Production and Cost Estimating of Material Movement with Earthmoving Equipment" prepared by Terex Division of Gen-

eral Motors. The maximum tire life, however, is estimated in APPENDIX G, Tire Life and Tire Wear Factors. A sample computation of the tire wear factors for off-highway haul units is given in APPENDIX G.

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

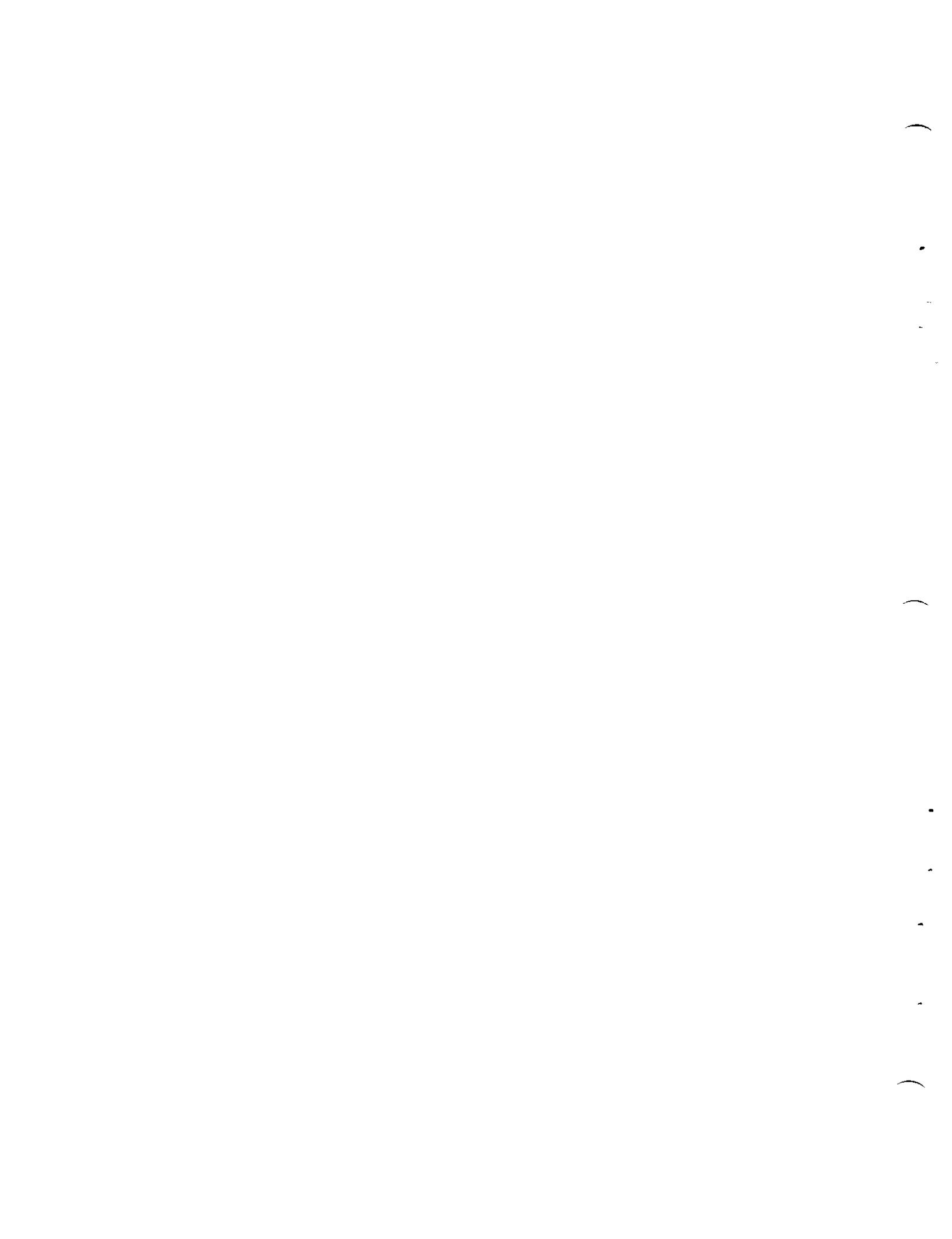
(6) Tire Repair Costs. Tire repairs are computed as 15 percent of the hourly tire wear cost.

e. Standby. The standby rate is computed from the average condition rates by allowing the full CFC hourly cost plus one-half of the hourly depreciation. Paid standby will not exceed 40 hours per week (7 calendar days) per piece of equipment. Likewise, standby will not be allowed during periods when the equipment would have otherwise been in idle status or down for repairs. Actual operating time during a week will be credited against the 40 hours maximum standby allowance. If the equipment is overage (the year of manufacture exceeds the last factor given in TABLE 3-3) the computation for hourly standby shall be performed using the actual purchase price and the actual age, if they are known. Computations performed to calculate standby on overage equipment will use the actual life in hours, the working hours per year from APPENDIX B, and the cost-of-money rate for the period in which the equipment was on standby. When the equipment purchased is used, standby will be computed on the basis that the equipment was purchased new by the contractor in the year it was manufactured, regardless of age.

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 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 computation or may be calculated by using TABLE 3-4.

2-3. 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, this procedure given shall be followed.

2-4. Marine Equipment. The methodology used to compute the annual ownership percentages for marine equipment is provided in APPENDIX H, Marine Equipment.



## CONSTRUCTION EQUIPMENT HOURLY OWNERSHIP AND OPERATING RATE WORK SHEET

Use this worksheet to compute rates for equipment that is not in this pamphlet.

## 1. REQUIRED DATA

For ID No. C90LI002

*SAMPLE: THE PIECE OF EQUIPMENT SHOWN IS BASED  
ON A KNOWN PIECE OF EQUIPMENT FOR ILLUSTRATION  
PURPOSES ONLY. (SEE TEXT 2-3)*

a. Equipment Specification Data:

- (1) Equipment Description: Link Belt Truck Crane  
 (2) Model and Series: HC-108C 50 Ton  
 (3) Year Purchased: 1989  
 (4) Year Manufactured: 1989  
 (5) Horsepower - Equipment: 110  
 (6) Horsepower - Carrier: 318  
 (7) Fuel type: (circle type)

Equipment:	gas	<u>diesel off-road</u>	diesel on-road	electric	air
------------	-----	------------------------	----------------	----------	-----

Carrier:	gas	diesel off-road	<u>diesel on-road</u>	electric	air
----------	-----	-----------------	-----------------------	----------	-----

(8) Shipping Weight (CWT): 1,197

(9) Tire size and number of tires:

Total Cost of tires for present year:

- (a) Front: No.: 4 Size/Ply: 14x20 18PR Cost: \$ 3,304  
 (b) Drive: No.: 8 Size/Ply: 14x20 18PR Cost: \$ 6,608  
 (c) Trailing: No.: \_\_\_\_\_ Size/Ply: \_\_\_\_\_ Cost: \$ \_\_\_\_\_  
 (d) Total Tire Cost: \$ 9,912

USE APPENDIX D TO COMPLETE THE FOLLOWING DATA:

b. Category and Sub-category Number: C90.02

c. Hourly Expense Calculation Factors:

- (1) Economic Key (EK): 20  
 (2) Condition (C): A  
 (3) Discount Code (DC): B = 7.5% or S = 15.0%  
 (4) Life in Hours (LIFE): 16,000  
 (5) Salvage Value (SLV): .15  
 (6) Fuel Factor - Equipment (E G D): .036  
 (7) Fuel Factor - Carrier (E G D): .006  
 (8) FOG Factor (E G D): .26  
 (9) Tire Wear Factor:  
   (a) Front (FT): .97  
   (b) Drive (DT): .78  
   (c) Trailing (TT): 0  
 (10) Repair Cost Factor (RPR): .70

Figure 2-1 Equipment Rate Computation Work Sheet

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

2. EQUIPMENT COST

a. List Price + Accessories: (Year of Manufacture) = \$ 422,802  
(1) Discount: (List Price) x (Discount Code) [1.c.(3)]  
422,802 x .075 = -(\$ 31,710)

(2) Freight: (Shipping Weight) x (Freight Rate per CWT) [1.a.(8)] [APPENDIX B]  
1,197 CWT x 7.05 = \$ 8,439

(3) Subtotal: [2.a.(1)] + [2.a.(2)] S/T \$ 399,531

b. State Sales Tax: (Subtotal) x (Tax Rate) [2.a.(3)] [APPENDIX B]  
399,531 x .045 = \$ 17,979

c. TOTAL EQUIPMENT COST: [(2.a.(3)) + [(2.b.)]] 2. TOTAL: \$ 417,510

(Use actual cost when available.)  
(See Chapter 3 for used and overaged equipment rate adjustments.)

3. LIFE

(LIFE) / (Working Hours Per Year)  
[1.c.(4)] [APPENDIX B]  
16,000 Hrs / 1,600 Hrs/Yr = 10.00 Yrs

4. ECONOMIC ADJUSTMENT FACTOR (EAF)

(Economic Index for Present Year) / (Economic Index for Year of Manufacture)  
[1.c.(1)] & [APPENDIX E] [1.c.(1)] & [APPENDIX E]  
4415 / 3967 = 1.113 (EAF)

(See TABLE 3-2 for last year of economic life)

5. SALVAGE VALUE FACTOR (S)

(Salvage Value) x (EAF)  
[1.c.(5)] [4.a.]  
0.15 x 1.113 = 0.167 (S)

Figure 2-1 Equipment Rate Computation Work Sheet

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

**6. OWNERSHIP COSTS**

## a. Depreciation:

$$(1) \frac{(\text{Tire Index})}{(\text{Yr of Mfr})} / \frac{(\text{Tire Index})}{(\text{Present Year})} = \text{Tire Cost Index (TCI)}$$

$$(\underline{2480}) / (\underline{2566}) = \underline{.966} \text{ (TCI)}$$

$$(2) \frac{[(\text{Total Equip Cost}) \times [1.0 - (\$)] - [(\text{TCI}) \times (\text{Tire Cost})]]}{[2.c.] \quad [5.a.] \quad [6.a.(1)] \quad [1.a.(9)(d)] \quad [1.c.(4)]} / (\text{LIFE})$$

$$[(\underline{417,510}) \times [1.0 - (\underline{.167})] - [(\underline{.966}) \times (\underline{9,912})]] / (\underline{16,000})$$

$$= \$ \underline{21.14} / \text{Hr}$$

## b. Cost of Facilities Capital (CFC):

$$(1) \frac{[(\text{LIFE}) - 1.0] \times [(\$) + 1.0] + 2.0}{[3.a.] \quad [5.a.]} / [(\text{LIFE}) \times 2.0] = \text{Avg Value Factor (AVF)}$$

$$[(\underline{10.00} \text{ Yrs}) - 1.0] \times [(\underline{.167}) + 1.0] + 2.0 / [(\underline{10.00} \text{ Yrs}) \times 2.0] = \underline{0.6252} \text{ (AVF)}$$

$$(2) \frac{(\text{Total Equip Cost}) \times (\text{AVF}) \times (\text{Cost of Money})}{[2.c.] \quad [6.c.(1)] \quad [\text{APPENDIX B}]} / (\text{Working Hrs per Yr})$$

$$(\underline{417,510}) \times (\underline{.6252}) \times (\underline{.067}) / (\underline{1,600} \text{ Hrs/Yr})$$

$$= \$ \underline{10.93} / \text{Hr}$$

c. TOTAL HOURLY OWNERSHIP COSTS: [6.a.(2)] + [6.b.(2)]

6. TOTAL: \$ 32.07 / Hr**7. OPERATING COSTS**

## a. Fuel Costs (Hourly):

## (1) Equipment:

$$(\text{Fuel Factor}) \times (\text{Horsepower}) \times (\text{Fuel Cost Per Gallon})$$

[1.c.(6)]      [1.a.(5)]      [APPENDIX B]

$$(\underline{.036}) \times (\underline{110} \text{ HP}) \times (\underline{.82} \text{ /Gal}) = \$ \underline{3.25} / \text{Hr}$$

## (2) Carrier:

$$(\text{Fuel Factor}) \times (\text{Horsepower}) \times (\text{Fuel Cost Per Gallon})$$

[1.c.(7)]      [1.a.(6)]      [APPENDIX B]

$$(\underline{.006}) \times (\underline{318} \text{ HP}) \times (\underline{1.30} \text{ /Gal}) = \$ \underline{2.48} / \text{Hr}$$

(3) TOTAL HOURLY FUEL COSTS: [(7.a(1)) + (7.a(2))]

Total 7.a. = \$ 5.73 / Hr

Figure 2-1 Equipment Rate Computation Work Sheet

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

## b. FOG Costs (Hourly):

## (1) Equipment:

(FOG Factor)  $\times$  (Hourly Fuel Cost)  
 [1.c.(8)]                    [7.a.(1)]

$$(.26) \times (3.25) / \text{Hr} = \$ .84 / \text{Hr}$$

## (2) Carrier:

(FOG Factor)  $\times$  (Hourly Fuel Cost)  
 [1.c.(8)]                    [7.a.(2)]

$$(.26) \times (2.48) / \text{Hr} = \$ .64 / \text{Hr}$$

## (3) TOTAL HOURLY FOG COSTS: [(7.b.(1)) + (7.b.(2))]

$$\text{Total 7.b.} = \$ 1.48 / \text{Hr}$$

## c. Repair Costs (Hourly):

## (1) Repair Factor:

(Repair Cost Factor)  $\times$  (EAF)  $\times$  (LAF) = Repair Factor (RF)  
 [1.c.(10)]                    [4.a.]                    [APPENDIX B]

$$(.70) \times (.113) \times (1.00) = .779 (\text{RF})$$

## (2) Hourly Repairs:

[( Total Equip Cost ) - ( TCI  $\times$  ( Tire Cost ) )]  $\times$  ( RF ) / ( LIFE )  
 [2.c.]                        [6.a.(1)]                [1.a.(9)(d)]                [7.c.(1)]                [1.c.(4)]

$$[(417,510) - (.966 \times 9,912)] \times (.779) / (16,000)$$

$$\text{Total 7.c.} = \$ 19.86 / \text{Hr}$$

Figure 2-1 Equipment Rate Computation Work Sheet

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

d. Tire Wear Costs (Use Current Price Levels):

(1) Front Tires:

$$[(1.5 \times (\text{FT Cost})) / [1.8 \times (\text{FT Wear Factor}) \times (\text{Maximum Tire Life/hrs})]] \\ [\text{1.a. (9)(a)}] \quad [\text{1.c. (9)(a)}] \quad [\text{TABLE F-1}]$$

$$[(1.5 \times \underline{3304}) / [1.8 \times (.97) \times (5000 \text{ /Hrs})]] \\ = \$ \underline{.57} \text{ /Hr}$$

(2) Drive Tires:

$$[(1.5 \times (\text{DT Cost})) / [1.8 \times (\text{DT Wear Factor}) \times (\text{Maximum Tire Life/hrs})]] \\ [\text{1.a. (9)(a)}] \quad [\text{1.c. (9)(a)}] \quad [\text{TABLE F-1}]$$

$$[(1.5 \times \underline{6608}) / [1.8 \times (.78) \times (5000 \text{ /Hrs})]] \\ = \$ \underline{1.41} \text{ /Hr}$$

(3) Trailing Tires:

$$[(1.5 \times (\text{TT Cost})) / [1.8 \times (\text{TT Wear Factor}) \times (\text{Maximum Tire Life/hrs})]] \\ [\text{1.a. (9)(a)}] \quad [\text{1.c. (9)(a)}] \quad [\text{TABLE F-1}]$$

$$[(1.5 \times \underline{\quad}) / [1.8 \times \underline{\quad} \times \underline{\quad} \text{ /Hrs})]] \\ = \$ \underline{\quad} \text{ /Hr}$$

(4) TOTAL TIRE WEAR COST: [Sum 7.d.(1) through 7.d.(3)] Total 7.d. = \$ 1.98 /Hr

e. Tire Repair Cost:

$$(\text{Total Tire Wear}) \times 0.15 \\ [\text{7.d. (4)}]$$

$$(\underline{1.98}) \times 0.15 \quad \text{Total 7.e. = } \$ \underline{.30} \text{ /Hr}$$

f. TOTAL OPERATING COSTS: [Sum 7.a through 7.e] 7. TOTAL: = \$ 29.35 /Hr

Figure 2-1 Equipment Rate Computation Work Sheet

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

8. HOURLY RATES - TOTALS:a. Single Shift Hourly Rate: (40 hours per week)

(Ownership Costs) + (Operating Costs)  
 [6.c.] [7.f.]

$$\underline{32.07} / \text{Hr} + \underline{29.35} / \text{Hr}$$

$$\$ \underline{\underline{61.42}} / \text{Hr}$$

## b. Other Work Shifts - Hourly Rate:

(Depreciation) + [(CFC x 40 hrs/wk) / (Work Hrs/Wk)] + (Operating Costs)  
 [6.a.(2)] [6.b.(2)] (example: 60 hrs/wk) [7.f.]

$$\underline{21.14} / \text{Hr} + [(\underline{10.93} / \text{Hr} \times 40 \text{ Hrs/Wk}) / (\underline{60} \text{ Hrs/Wk})] + \underline{29.35} / \text{Hr}$$

$$\$ \underline{\underline{57.77}} / \text{Hr}$$

## c. Standby - Hourly Rate:

[(Depreciation) x 0.50] + (CFC)  
 [6.a.(2)] [6.b.(2)]

$$[(\underline{21.14} / \text{Hr}) \times 0.50] + \underline{10.93} / \text{Hr}$$

$$\$ \underline{\underline{21.50}} / \text{Hr}$$

*(See paragraph 2-2 for adjustments.)*

Figure 2-1 Equipment Rate Computation Work Sheet

## CHAPTER 3

### RATE SCHEDULE

3-1. Introduction. Hourly rates for construction equipment for both average and severe conditions are presented in TABLE 3-5. The rates may be adjusted when (a) "Difficult Conditions" are specified by the contract, (b) age is different from that used, (c) license, taxes, storage, and insurance costs are charged directly to an item of work, (d) fuel costs differ by more than 10% from the cost shown, (e) cost-of-money rate for the time period in question is different than that shown in paragraph 2-2c(2), 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.

3-2. Hourly Equipment Ownership and Operating Expense.

a. Description of Headings, TABLE 3-1.

(1) The following example illustrates how the column headings identify the descriptive elements. For example, an American Crane, Model 5530, 75 Ton, with a 170-foot boom is identified as follows:

(a) CAT. "C90" is the category number and stands for Mechanical Cranes, Truck-Mounted (see APPENDIX D).

(b) ID. NO. Each piece of equipment has a unique identification number. In the ID. NO. "C90AM001" "AM" identifies the manufacturer, American Crane, and "001" stands for the numeric order of this piece of equipment within the manufacturer's listing. APPENDIX I, Manufacturer Codes, provides a listing of all manufacturer codes used in the ID. NO.

(c) MODEL. "5530" is the equipment model number.

(d) EQUIPMENT DESCRIPTION. Specific information for each particular piece of equipment is described, such as "75 ton with a 170-foot boom" for the American Crane. The amount of horsepower and type of fuel used is stated. For the American crane the carrier has a 238-horsepower engine and the crane has a 128-horsepower engine. Both engines are diesel (D).

(2) VALUE. This column reflects the predetermined "equipment cost" used to compute the rates.

(3) TOTAL HOURLY RATES. All ownership and operating expenses for the average condition are included. All cost elements including fuel are totaled in the AVERAGE column. The STANDBY column includes the hourly allowance for equipment on legitimate standby status.

(4) ADJUSTABLE ELEMENTS. This column shows ownership elements and fuel costs broken out of the AVERAGE column so they can be adjusted as indicated in CHAPTERS 2 and 3. Operating costs may be determined by subtracting the ownership cost elements (DEPR plus CFC) from the total hourly rate for the average condition. Fuel price adjustments can be performed to the total hourly cost shown under the FUEL column.

(5) CWT. The shipping weight of the equipment is stated 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 may be listed separately. Only the hourly expense for those attachments that are required to perform the work shall be allowed.

d. Equipment Accessories. Equipment accessories included on the major pieces of equipment in TABLE 3-1 are listed in APPENDIX J, Equipment Accessories.

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 use rate cannot be determined from TABLE 3-1, the rate will be calculated following the methodology outlined in CHAPTER 2.

f. Overage Equipment. When an item of equipment has exceeded the economic service life given in APPENDIX D, it is considered overage and the hourly use rate will not exceed the rate for a piece of equipment that is not overage. An hourly use rate for overage 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. In other words, the base year for determining overage equipment value should be the year for which the last factor in TABLE 3-2 is given. Standby computations shall be based on actual age and cost, if that data is known (see paragraph 2-2e).

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, et cetera) 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. It has been determined that these tables 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, et cetera, 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 identification 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 (RPR).

j. CFC Adjustment. If the cost-of-money rate shown in paragraph 2-2c(2) is no longer current, the CFC portion of the rate

shall be adjusted upward or downward to match the cost-of-money rate for the period of use in question. For example, if the cost-of-money rate should increase by 10% (say from 8.50% to 9.35%), then 10% of the hourly CFC cost (from TABLE 3-5) will be added to the total hourly rate. See APPENDIX K, Federal Cost of Money Rate, for a complete listing of cost-of-money rates to date.

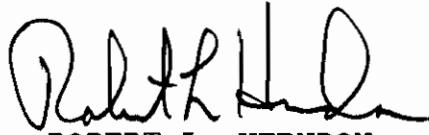
3-3. Assistance. If assistance is required understanding the methodology or calculating equipment rates, contact the Corps of Engineers, Walla Walla District at either of the following phone numbers:

Chief, Cost Engineering Branch (CEB) (509)522-6677  
Chief, CEB, Technical Support Section (509)522-6684

The district can also provide personal computer software for use in expediting equipment rate calculations. There is a nominal charge to non-government users for this software.

NOTE - Pages 3-5 thru 3-180, which include Tables 3-1 thru 3-5, are located after the text for convenience purposes.

FOR THE COMMANDER:



ROBERT L. HERNDON  
Colonel, Corps of Engineers  
Chief of Staff

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE OWNERSHIP ELEMENTS		FUEL	CWT	
					AVERAGE	STANDBY	DEPR	CFC			
A10			AGGREGATE/CHIP SPREADERS								
	.10		SELF PROPELLED								
			ETNYRE, E.D.								
		A10ET001	C-201-89R2 10' HOPPER, 2WD, MECHANICAL	152 HP D 68,881	17.24	4.59	5.31	1.93	3.49	165	
		A10ET002	C-201-89R2 13' HOPPER, 2WD, MECHANICAL	190 HP D 71,778	18.86	4.78	5.54	2.01	4.36	170	
		A10ET003	C-202-89R 10' HOPPER, 2WD, HYDROSTATIC	152 HP D 77,996	18.95	5.21	6.03	2.19	3.49	165	
		A10ET004	C-202-89R 13' HOPPER, 2WD, HYDROSTATIC	190 HP D 81,084	20.59	5.41	6.27	2.27	4.36	170	
			ROSCO								
		A10RS001	SPR-H CHIP SPREADER, 10' HOPPER	152 HP D 63,413	16.23	4.22	4.88	1.78	3.49	152	
		A10RS002	SPR-H CHIP SPREADER, 13.5' HOPPER	152 HP D 64,595	16.44	4.30	4.97	1.81	3.49	152	
	.20		TOWED & TAILGATE								
			AMERICAN ROAD MACHINERY								
		A10AR001	TG-505C TAILGATE SPREADER, 8' WIDE (ADD DUMP TRUCK)		2,796	0.75	0.27	0.37	0.08	0.00	5
		A10AR002	ODELL TOWED SPREADER, 8' WIDE ASPHALT & AGG. SPREADING TO 8" (ADD DUMP TRUCK)		5,486	1.46	0.52	0.72	0.16	0.00	22
A15			AIR COMPRESSORS, PORTABLE								
	.10		ROTARY SCREW								
			NO SPECIFIC MANUFACTURER								
		A15XX001	100 CFM QUIET, 100 PSI (ADD HOSE)	50 HP G 12,591	7.72	0.82	0.90	0.37	4.09	20	
		A15XX002	100 CFM QUIET, 100 PSI (ADD HOSE)	35 HP D 15,124	4.09	0.98	1.08	0.44	1.03	26	
		A15XX003	125 CFM QUIET, 100 PSI (ADD HOSE)	65 HP G 15,405	9.84	1.00	1.10	0.45	5.31	24	
		A15XX004	125 CFM QUIET, 100 PSI (ADD HOSE)	51 HP D 16,390	4.94	1.07	1.17	0.48	1.51	26	
		A15XX005	175 CFM QUIET, 100 PSI (ADD HOSE)	70 HP G 16,811	10.64	1.10	1.21	0.49	5.72	26	
		A15XX006	175 CFM QUIET, 100 PSI (ADD HOSE)	65 HP D 19,062	5.96	1.24	1.37	0.55	1.92	28	
		A15XX007	185 CFM QUIET, 100 PSI (ADD HOSE)	70 HP G 17,359	10.75	1.14	1.25	0.51	5.72	27	

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
A15	AIR COMPRESSORS, PORTABLE									
	.10	ROTARY SCREW								
			NO SPECIFIC MANUFACTURER							
	A15XX008		185 CFM QUIET, 100 PSI (ADD HOSE)	75 HP D	20,452	6.59	1.34	1.47	0.60	2.21
	A15XX009		250 CFM QUIET, 100 PSI (ADD HOSE)	95 HP D	28,681	8.86	1.86	2.06	0.83	2.80
	A15XX010		375 CFM QUIET, 100 PSI (ADD HOSE)	112 HP D	37,844	11.22	2.44	2.67	1.10	3.31
	A15XX011		450 CFM QUIET, 100 PSI (ADD HOSE)	150 HP D	53,744	15.56	3.47	3.82	1.56	4.43
	A15XX012		600 CFM QUIET, 100 PSI (ADD HOSE)	200 HP D	59,973	18.60	3.88	4.26	1.75	5.90
	A15XX013		750 CFM QUIET, 100 PSI (ADD HOSE)	240 HP D	69,373	21.83	4.49	4.94	2.02	7.08
	A15XX014		900 CFM QUIET, 100 PSI (ADD HOSE)	260 HP D	77,908	24.17	5.05	5.56	2.27	7.68
	A15XX015		1200 CFM QUIET, 100 PSI (ADD HOSE)	325 HP D	109,871	32.50	7.15	7.89	3.20	9.59
	A15XX016		1400 CFM QUIET, 100 PSI (ADD HOSE)	395 HP D	123,063	37.55	7.99	8.82	3.58	11.66
	A15XX017		1600 CFM QUIET, 100 PSI (ADD HOSE)	456 HP D	129,179	40.99	8.40	9.27	3.76	13.46
A20	AIR HOSE, TOOLS & EQUIPMENT									
	.10	AIR HOSES								
			NO SPECIFIC MANUFACTURER							
	A20XX001	HARDROCK	AIR HOSE, 3/4" DIAM., 100' LONG		495	0.38	0.09	0.13	0.02	0.00
	A20XX002	HARDROCK	AIR HOSE, 1" DIAM., 100' LONG		542	0.41	0.09	0.14	0.02	0.00
	A20XX003	HARDROCK	AIR HOSE, 1-1/4" DIAM., 100' LONG		664	0.50	0.11	0.17	0.02	0.00
	A20XX004	HARDROCK	AIR HOSE, 1-1/2" DIAM., 100' LONG		781	0.59	0.12	0.20	0.02	0.00
	A20XX005	HARDROCK	AIR HOSE, 2" DIAM., 100' LONG		1,093	0.82	0.17	0.28	0.03	0.00
	A20XX006	HARDROCK	AIR HOSE, 2-1/2" DIAM., 100' LONG		1,306	0.98	0.21	0.33	0.04	0.00
	A20XX007	HARDROCK	AIR HOSE, 3" DIAM., 100' LONG		2,690	2.03	0.43	0.68	0.09	0.00
	A20XX008	HARDROCK	AIR HOSE, 4" DIAM., 100' LONG		4,046	3.05	0.65	1.03	0.13	0.00
	A20XX009	YELLOW-LINE	AIR HOSE, 3/4" DIAM., 100' LONG		161	0.13	0.03	0.04	0.01	0.00
	A20XX010	YELLOW-LINE	AIR HOSE, 1" DIAM., 100' LONG		180	0.14	0.04	0.05	0.01	0.00
	A20XX011	YELLOW-LINE	AIR HOSE, 1-1/4" DIAM., 100' LONG		429	0.32	0.07	0.11	0.01	0.00
	A20XX012	YELLOW-LINE	AIR HOSE, 1-1/2" DIAM., 100' LONG		542	0.41	0.09	0.14	0.02	0.00
	A20XX013	YELLOW-LINE	AIR HOSE, 2" DIAM., 100' LONG		638	0.48	0.10	0.16	0.02	0.00
	A20XX014	YELLOW-LINE	AIR HOSE, 2-1/2" DIAM., 100' LONG		949	0.71	0.15	0.24	0.03	0.00
	A20XX015	YELLOW-LINE	AIR HOSE, 3" DIAM., 100' LONG		1,235	0.93	0.20	0.31	0.04	0.00
	A20XX016	YELLOW-LINE	AIR HOSE, 4" DIAM., 100' LONG		1,784	1.34	0.29	0.45	0.06	0.00
	.20	BLAST HOSE								

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
A20			AIR HOSE, TOOLS & EQUIPMENT							
	.20		BLAST HOSE							
			NO SPECIFIC MANUFACTURER							
			A20XX017 BLAST HOSE, 1/2" ID, 1-5/32" OD, 100' L	403	0.32	0.06	0.10	0.01	0.00	1
			A20XX018 BLAST HOSE, 3/4" ID, 1-1/2" OD, 100' L	548	0.44	0.09	0.14	0.02	0.00	1
			A20XX019 BLAST HOSE, 1" ID, 1-7/8" OD, 100' L	690	0.55	0.11	0.18	0.02	0.00	1
			A20XX020 BLAST HOSE, 1-1/2" ID, 2-3/8" OD, 100' L	844	0.67	0.14	0.21	0.03	0.00	1
	.30		SANDBLASTERS & BREAKERS							
			CLEMCO							
	A20CM001	SCW-1042P	SANDBLASTER, 100 LB CAP. WITH HOSE (1/2" X 25') & ACC (ADD COMPRESSOR)	101 CFM A	1,636	1.10	0.21	0.32	0.05	0.00
	A20CM002	SCW-1440P	SANDBLASTER, 150 LB CAP. WITH HOSE (1" X 50') & ACC (ADD COMPRESSOR)	101 CFM A	2,913	1.91	0.38	0.57	0.09	0.00
	A20CM003	SCWB-1648P	SANDBLASTER, 300 LB CAP. WITH HOSE (1" X 50') & ACC (ADD COMPRESSOR)	101 CFM A	3,180	2.08	0.41	0.62	0.10	0.00
	A20CM004	SCWB-2452HP	SANDBLASTER, 600 LB CAP. WITH HOSE (1-1/4" X 50') & ACC (ADD COMPRESSOR)	216 CFM A	4,313	2.88	0.56	0.84	0.14	0.00
	A20CM005	SCH-3079R	SANDBLASTER W/HOPPER, 1400 LB CAP. W/1-1/4" PIPE, 50' RC HOSE (ADD COMP)	216 CFM A	11,344	7.35	1.47	2.22	0.36	0.00
	A20CM006	60-H	SANDBLASTER, 3 TON CAP, 1-1/4" PIPE W/50' HOSE W/2 NOZ, TRLR (ADD COMP)	450 CFM A	13,472	8.70	1.70	2.54	0.43	0.00
	A20CM007	120-H	SANDBLASTER, 6 TON CAP, 1-1/4" PIPE W/50' HOSE W/2 NOZ, TRLR (ADD COMP)	700 CFM A	16,883	10.90	2.12	3.15	0.54	0.00
	A20CM008	160-H	SANDBLASTER, 8 TON CAP, 1-1/4" PIPE W/50' HOSE W/2 NOZ, TRLR (ADD COMP)	900 CFM A	17,759	11.28	2.16	3.17	0.57	0.00
	A20CM009		STORAGE HOPPER, 640 CUBIC FT CAP 32-TON SAND BULK ABRASIVE STORAGE		9,706	6.48	1.26	1.90	0.31	0.00
			GARDNER DENVER							
	A20GD001	SP27E	SPADER, 35 LB, (ADD COMPRESSOR)	32 CFM A	763	0.54	0.10	0.15	0.02	0.00
	A20GD002	S58D	SINKER DRILL, DRY GLAND (ADD COMP)	98 CFM A	1,801	1.26	0.24	0.35	0.06	0.00
	A20GD003	S58W	SINKER DRILL, WET GLAND (ADD COMP)	98 CFM A	1,902	1.32	0.25	0.37	0.06	0.00
	A20GD004	B67C	PAVING BREAKER, 66 LB (ADD COMP)	46 CFM A	924	0.65	0.12	0.18	0.03	0.00

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE OWNERSHIP ELEMENTS		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
A20	AIR HOSE, TOOLS & EQUIPMENT									
	.30	SANDBLASTERS & BREAKERS								
		GARDNER DENVER								
	A20GD005	B87C	PAVING BREAKER, 86 LB (ADD COMP)	50 CFM A	1,026	0.71	0.13	0.20	0.03	0.00
	A20GD006	S83FM	FEED LEG DRILL, 54° TRAVEL(ADD COMP) INCLUDES SWIVEL & POWER RETRACT LEG	103 CFM A	3,473	2.34	0.45	0.68	0.11	0.00
		WACKER								
	A20WC001	LHB 5	BREAKER/DRILL, 12 LB (ADD COMP)	20 CFM A	1,079	0.79	0.14	0.21	0.03	0.00
	A20WC002	EHB 10/110	BREAKER/DRILL, 40 LB (ADD GEN)	2 HP E	1,425	1.14	0.19	0.28	0.05	0.06
	A20WC003	BHB 25	ROCK DRILL/BREAKER, 88 LB	4 HP G	3,522	2.67	0.46	0.69	0.11	0.33
	A20WC004	BHF 30S	BREAKER/DRILL, 85 LB	4 HP G	3,589	2.71	0.46	0.70	0.11	0.33
A25	ASPHALT DISTRIBUTORS									
		ROSCO								
	A25RS001	RES	1,000 GALLON, FOR TRUCK MOUNTING (ADD 18,000 TO 24,000 GVW TRUCK)	50 HP G	30,614	12.74	2.39	3.02	0.88	4.09
	A25RS002	RRH	1,000 GAL, HYDROSTATIC, FOR TRUCK MTD (ADD 18,000 TO 24,000 GVW TRUCK)		32,450	9.28	2.53	3.20	0.93	0.00
	A25RS003	RES	1,500 GALLON, FOR TRUCK MOUNTING (ADD 24,000 TO 32,000 GVW TRUCK)	50 HP G	31,568	12.97	2.47	3.11	0.91	4.09
	A25RS004	RRH	1,500 GAL, HYDROSTATIC, FOR TRUCK MTD (ADD 24,000 TO 32,000 GVW TRUCK)		33,650	9.66	2.63	3.31	0.97	0.00
	A25RS005	RES	2,000 GALLON, FOR TRUCK MOUNTING (ADD 32,000 GVW TRUCK)	50 HP G	34,406	13.65	2.69	3.39	0.99	4.09
	A25RS006	RRH	2,000 GAL, HYDROSTATIC, FOR TRUCK MTD (ADD 32,000 GVW TRUCK)		36,336	10.40	2.83	3.58	1.04	0.00
	A25RS007	RES	3,000 GALLON, FOR TRUCK MOUNTING (ADD 42,000 GVW TRUCK)	50 HP G	37,381	14.35	2.91	3.68	1.07	4.09
	A25RS008	RRH	3,500 GAL, HYDROSTATIC, FOR TRUCK MTD (ADD 42,000 GVW TRUCK)		41,885	11.84	3.27	4.13	1.20	0.00
A30	ASPHALT FINISHERS/PAVERS									

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR.)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT						
					AVERAGE	STANDBY	DEPR	CFC								
<b>A30 ASPHALT FINISHERS/PAVERS</b>																
*****.10 SELF PROPELLED																
BARBER-GREENE																
	A30BG001	BG220B	8' STD PAVING WIDTH (PNEUMATIC) WITH 15'-6" SCREED EXT.	78 HP D	139,843	32.81	9.34	10.83	3.92	2.30	230					
	A30BG002	BG240B	10' STD PAVING WIDTH (PNEUMATIC) WITH 19' SCREED EXT.	105 HP D	160,747	38.42	10.64	12.28	4.50	3.10	290					
	A30BG003	BG260B	10' STD PAVING WIDTH (PNEUMATIC) WITH 19' SCREED EXT.	142 HP D	182,384	44.54	11.97	13.72	5.11	4.19	320					
	A30BG004	BG225B	8' STD PAVING WIDTH (CRAWLER) WITH 15'-6" SCREED EXT.	105 HP D	162,923	38.61	10.98	12.84	4.56	3.10	238					
	A30BG005	BG245B	10' STD PAVING WIDTH (CRAWLER) WITH 19'6" SCREED EXT.	105 HP D	194,675	45.36	13.12	15.34	5.45	3.10	296					
	A30BG006	BG265B	10' STD PAVING WIDTH (CRAWLER) WITH 19'6" SCREED EXT.	142 HP D	221,910	52.55	14.97	17.49	6.22	4.19	346					
BLAW-KNOX																
	A30BK001	PF-22	5'-12' STD PAVING WIDTH (PNEUMATIC)	23 HP D	55,859	12.79	3.72	4.31	1.56	0.68	95					
	A30BK002	PF-35	6'-12' STD PAVING WIDTH (PNEUMATIC)	44 HP D	86,827	20.16	5.81	6.75	2.43	1.30	104					
	A30BK003	PF-115	8' STD PAVING WIDTH (PNEUMATIC)	72 HP D	135,125	31.71	8.94	10.29	3.79	2.13	201					
	A30BK004	PF-120H	10' STD PAVING WIDTH (PNEUMATIC)	87 HP D	146,034	34.58	9.67	11.15	4.09	2.57	253					
	A30BK005	PF-180H	10' STD PAVING WIDTH (PNEUMATIC)	107 HP D	180,641	42.78	11.94	13.76	5.06	3.16	290					
	A30BK006	PF-220	12' STD PAVING WIDTH (PNEUMATIC)	148 HP D	224,675	53.84	14.82	17.06	6.29	4.37	387					
	A30BK007	PF-400A	8' STD PAVING WIDTH (CRAWLER)	103 HP D	170,299	40.10	11.48	13.42	4.77	3.04	230					
	A30BK008	PF-500	10' STD PAVING WIDTH (CRAWLER)	120 HP D	201,657	47.41	13.60	15.89	5.65	3.54	291					
CATERPILLAR																
	A30CA001	AP-200	9' STD PAVING WIDTH (CRAWLER)	35 HP D	39,529	9.72	2.67	3.11	1.11	1.03	90					
	A30CA002	AP-800	10' STD PAVING WIDTH (PNEUMATIC)	102 HP D	153,389	36.72	10.16	11.72	4.30	3.01	290					
	A30CA003	AP-1200	10' STD PAVING WIDTH (PNEUMATIC)	145 HP D	187,899	45.80	12.41	14.29	5.26	4.28	365					
.20 TOWED																
LAYTON																

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE OWNERSHIP ELEMENTS		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
A30			ASPHALT FINISHERS/PAVERS							
	.20	TOWED								
		LAYTON								
	A30LA001	F-525	STANDARD PAVING WIDTH 8 FEET	14 HP G	20,632	6.00	1.37	1.58	0.58	1.14 36
	A30LA002	D-550	STANDARD PAVING WIDTH 8 FEET	14 HP G	27,747	7.36	1.85	2.14	0.78	1.14 40
A35			ASPHALT KETTLES							
		AEROIL PRODUCTS								
	A35AE001	KE-B-80KE	80 GALLON, TRAILER MOUNTED		3,105	1.92	0.29	0.39	0.09	0.00 9
	A35AE002	KE-B-115KE	115 GALLON, TRAILER MOUNTED		3,411	2.26	0.32	0.43	0.10	0.00 11
	A35AE003	KE-B-165KE	165 GALLON, TRAILER MOUNTED		4,388	2.66	0.41	0.55	0.13	0.00 12
	A35AE004	KE-B-230KE	230 GALLON, TRAILER MOUNTED		5,538	3.21	0.52	0.71	0.16	0.00 16
	A35AE005	KE-B-330KE	330 GALLON, TRAILER MOUNTED		6,740	4.00	0.61	0.82	0.20	0.00 20
		ROSCO								
	A35RS001	KB	110 GALLON, TRAILER MOUNTED		4,365	2.50	0.41	0.55	0.13	0.00 13
	A35RS002	KD	225 GALLON, TRAILER MOUNTED		5,272	3.08	0.50	0.67	0.16	0.00 16
A40			ASPHALT & CONCR. MILLERS/PROFILERS							
		CATERPILLAR								
	A40CA001	PR-75	PROFILER, MAX CUT 14.5"W X 6.0"DEEP	77 HP D	72,665	18.48	4.82	5.55	2.04	2.27 130
	A40CA002	PR-105	PROFILER, MAX CUT 14.5"W X 6.0"DEEP	90 HP D	122,426	29.54	8.17	9.47	3.43	2.66 170
	A40CA003	PR-275	PROFILER, MAX CUT 67.0"W X 4.0"DEEP	270 HP D	255,682	64.56	17.24	20.15	7.16	7.97 380
	A40CA004	PR-450	PROFILER, MAX CUT 75.0"W X 10" DEEP	450 HP D	324,748	86.05	21.90	25.59	9.10	13.28 520
	A40CA005	PR-750B	PROFILER, MAX CUT 120.0"W X 10"DEEP	750 HP D	449,703	123.96	30.32	35.44	12.60	22.14 650
	A40CA006	PR-1000	PROFILER, MAX CUT 150.0"W X 10"DEEP	750 HP D	571,830	149.92	38.55	45.06	16.02	22.14 1,031
		INGERSOLL-RAND								
	A40IN001	MW-175	MILLER, 20"W, MAX DEPTH 6.0"	122 HP D	99,360	25.78	6.65	7.74	2.78	3.60 213

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT						
					AVERAGE	STANDBY	DEPR	CFC								
<b>A40 ASPHALT &amp; CONCR. MILLERS/PROFILERS</b>																
*****																
INGERSOLL-RAND																
*****																
	A40IN002	MW-250	MILLER, 30"W, MAX DEPTH 6.0"	122 HP D	104,142	26.81	6.98	8.12	2.92	3.60						
	A40IN003	MW-250C	MILLER, 30"W, MAX DEPTH 6.0", W/CONVY	140 HP D	128,676	32.69	8.63	10.05	3.60	4.13						
	A40IN004	MW-6520HC	MILLER, 78"W, MAX DEPTH 6.0", W/CONVY	400 HP D	252,231	68.81	16.97	19.79	7.07	11.81						
	A40IN005	MT-6520	MILLER, 78"W, MAX 6"DEPTH, W/CONV, CWL	400 HP D	292,621	77.34	19.73	23.06	8.20	11.81						
	A40IN006	MT-7000	MILLER, 78"W, MAX 10"DEPTH, W/CONV, CWL	525 HP D	372,989	99.14	25.15	29.39	10.45	15.50						
<b>A45 ASPHALT RECYCLERS &amp; SEALERS</b>																
*****																
AEROIL PRODUCTS																
*****																
	A45AE001	HE-PR-52V	RESURFACER-PATCHER, 600,000 BTU INFRA-RED HEATER, TRAILER MOUNTED		7,699	3.38	0.59	0.74	0.22	0.00						
	A45AE002	HE-PR-96V	RESURFACER-PATCHER, 1,200,000 BTU INFRA-RED HEATER, TRAILER MOUNTED		13,736	5.87	1.06	1.34	0.39	0.00						
	A45AE003	HE-PR-120V	RESURFACER-PATCHER, 1,420,000 BTU INFRA-RED HEATER, TRAILER MOUNTED		16,189	6.97	1.25	1.58	0.46	0.00						
SEALMASTER																
*****																
	A45SE001	50	SEALCOATER, 50" WIDE, 238 GALLON STANDARD SPRAY	18 HP G	9,910	5.39	0.76	0.96	0.28	1.47						
	A45SE002	12A	SEALCOATER, 50" WIDE, 200 GALLON DUAL SPRAY, SQUEEGEE	20 HP G	13,496	6.74	1.05	1.31	0.39	1.63						
	A45SE003	72	SEALCOATER, 72" WIDE, 300 GALLON DUAL SPRAY, SQUEEGEE	30 HP G	19,461	10.06	1.48	1.84	0.56	2.45						
	A45SE004	TR-1000	TANK TRAILER, 1000 GALLON CAPACITY		15,407	4.28	1.15	1.42	0.44	0.00						
<b>B15 BROOMS, STREET SWEEPERS &amp; FLUSHERS</b>																
*****																
ALLMAND BROS.																
*****																
	B15AB001	MODEL 6600	MAXI-SWEEP, 7.5' MAX WIDTH, SELF-PROP	76 HP D	31,683	10.33	2.43	3.04	0.91	2.24						

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE OWNERSHIP ELEMENTS		FUEL	CWT															
					AVERAGE	STANDBY	DEPR	CFC																	
B15	BROOMS, STREET SWEEPERS & FLUSHERS																								
*****																									
INGRAM																									
	B15IG001	POWERBROOM	POWER BROOM, 8', SELF-PROPELLED	76 HP D	24,578	8.68	1.86	2.29	0.71	2.24															
	M-B																								
	B15MB001	MT	SWEEPER, HYDR LIFT, 7 FT, ADD TRACTOR PTO DRIVE W/SPRINKLER		3,816	0.99	0.30	0.37	0.11	0.00															
	B15MB002	HT	SWEEPER, HYDR LIFT, 7 FT, ADD TRACTOR HYDRAULIC DRIVE W/SPRINKLER		6,458	1.66	0.51	0.63	0.19	0.00															
	B15MB003	53T	SWEEPER, HYDR LIFT, 7 FT, TOWED MECH DRIVE W/SPRINKLER		7,009	1.89	0.53	0.66	0.20	0.00															
	B15MB004	53MH	SWEEPER, HYDR LIFT, 7 FT, TOWED MOTOR DRIVEN W/SPRINKLER	18 HP G	7,985	3.69	0.61	0.75	0.23	1.47															
	ROSCO																								
	B15RS001	RB-38	STREET SWEEPER, 8' BRUSH, SELF-PROP.	76 HP D	24,396	8.61	1.88	2.35	0.70	2.24															
	B15RS002	MTA-H	STREET FLUSHER, 1,600 GAL, TRK MTD (ADD 18,000 TO 24,000 GVW TRUCK)		21,804	5.62	1.70	2.14	0.63	0.00															
	B15RS003	MTA-H	STREET FLUSHER, 2,500 GAL, TRK MTD (ADD 24,000 TO 32,000 GVW TRUCK)		23,852	6.20	1.86	2.34	0.69	0.00															
	B15RS004	MTA-H	STREET FLUSHER, 3500 GAL, TRK MTD (ADD 42,000 GVW TRUCK)		25,272	6.64	1.97	2.48	0.73	0.00															
B20	BRUSH CHIPPERS																								
	*****																								
	CHIPMORE																								
	B20CI001	TM-30	SMALL CHIPPER, TRLR-MTD	18 HP G	4,840	3.13	0.37	0.46	0.14	1.47															
	B20CI002	TM-32	6" CAPACITY, TRAILER-MTD	30 HP G	9,445	5.56	0.73	0.91	0.27	2.45															
	B20CI003	TM-120-G-6	12" CAPACITY, TRAILER-MTD	60 HP G	11,809	9.39	0.91	1.14	0.34	4.90															
	B20CI004	TM-120-D2	12" CAPACITY, TRAILER-MTD	76 HP D	13,443	6.20	1.04	1.30	0.39	2.24															
	B20CI005	TM-80-GI	6" CAPACITY, TRAILER-MTD	37 HP G	9,056	6.23	0.70	0.87	0.26	3.02															
	B20CI006	TM-160-D4	16" CAPACITY, TRAILER-MTD	76 HP D	13,765	6.28	1.07	1.33	0.40	2.24															
	B20CI007	TM-400-D4	16" CAPACITY, TWIN-FEED, TRLR-MTD	76 HP D	14,267	6.41	1.10	1.37	0.41	2.24															

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
B20		BRUSH CHIPPERS								
		VERMEER								
	B20VE001	1600A	.6" DIAMETER LOG CAPACITY, TRLR MTD	99 HP G	14,088	14.16	1.08	1.36	0.40	8.09
	B20VE002	1250	1.2" DIAMETER LOG CAPACITY, TRLR MTD	96 HP G	19,334	15.17	1.50	1.87	0.56	7.85
B25		BUCKETS, CLAMSHELL								
		ESCO								
	B25ES001	GPS-5R26	.625 CY, GEN. PURPOSE/SQUARE NOSE		11,916	2.23	0.82	0.99	0.32	0.00
	B25ES002	GPS-6R32	.750 CY, GEN. PURPOSE/SQUARE NOSE		12,710	2.39	0.88	1.06	0.35	0.00
	B25ES003	GPS-7R34	.875 CY, GEN. PURPOSE/SQUARE NOSE		13,944	2.62	0.96	1.16	0.38	0.00
	B25ES004	GPS-9R38	1.125 CY, GEN. PURPOSE/SQUARE NOSE		14,973	2.82	1.04	1.25	0.41	0.00
	B25ES005	GPS-12R41	1.500 CY, GEN. PURPOSE/SQUARE NOSE		16,055	3.02	1.11	1.34	0.44	0.00
	B25ES006	GPS-14R43	1.750 CY, GEN. PURPOSE/SQUARE NOSE		21,485	4.03	1.48	1.79	0.58	0.00
	B25ES007	GPS-17R46	2.125 CY, GEN. PURPOSE/SQUARE NOSE		23,628	4.44	1.63	1.97	0.64	0.00
	B25ES008	GPS-19R48	2.375 CY, GEN. PURPOSE/SQUARE NOSE		24,928	4.69	1.72	2.08	0.68	0.00
	B25ES009	GPS-24R51	3.000 CY, GEN. PURPOSE/SQUARE NOSE		32,478	6.10	2.24	2.71	0.88	0.00
	B25ES010	GPS-28R56	3.500 CY, GEN. PURPOSE/SQUARE NOSE		34,397	6.47	2.38	2.87	0.94	0.00
	B25ES011	GPS-32R60	4.000 CY, GEN. PURPOSE/SQUARE NOSE		37,205	6.99	2.56	3.10	1.01	0.00
	B25ES012	GPS-38R60	4.750 CY, GEN. PURPOSE/SQUARE NOSE		40,960	7.70	2.82	3.42	1.11	0.00
	B25ES013	GPS-40R60	5.000 CY, GEN. PURPOSE/SQUARE NOSE		44,320	8.34	3.06	3.70	1.21	0.00
	B25ES014	GPS-50R67	6.250 CY, GEN. PURPOSE/SQUARE NOSE		47,121	8.85	3.25	3.93	1.28	0.00
	B25ES015	GPS-54R67	6.750 CY, GEN. PURPOSE/SQUARE NOSE		51,869	9.75	3.58	4.33	1.41	0.00
	B25ES016	GPS-58R67	7.250 CY, GEN. PURPOSE/SQUARE NOSE		53,897	10.14	3.72	4.50	1.47	0.00
	B25ES017	GPS-62R72	7.750 CY, GEN. PURPOSE/SQUARE NOSE		56,769	10.67	3.92	4.73	1.55	0.00
	B25ES018	GPS-64R72	8.000 CY, GEN. PURPOSE/SQUARE NOSE		59,543	11.19	4.11	4.97	1.62	0.00
	B25ES019	GPS-70R72	8.750 CY, GEN. PURPOSE/SQUARE NOSE		61,779	11.61	4.26	5.15	1.68	0.00
	B25ES020	HDS-5R26	.625 CY, HEAVY DUTY/SQUARE NOSE		12,299	2.31	0.85	1.03	0.33	0.00
	B25ES021	HDS-6R32	.750 CY, HEAVY DUTY/SQUARE NOSE		13,143	2.48	0.91	1.10	0.36	0.00
	B25ES022	HDS-7R34	.875 CY, HEAVY DUTY/SQUARE NOSE		18,033	3.38	1.24	1.50	0.49	0.00
	B25ES023	HDS-9R38	1.125 CY, HEAVY DUTY/SQUARE NOSE		18,243	3.43	1.26	1.52	0.50	0.00
	B25ES024	HDS-12R41	1.500 CY, HEAVY DUTY/SQUARE NOSE		19,333	3.63	1.34	1.61	0.53	0.00
	B25ES025	HDS-14R43	1.750 CY, HEAVY DUTY/SQUARE NOSE		26,408	4.96	1.82	2.20	0.72	0.00
	B25ES026	HDS-17R46	2.125 CY, HEAVY DUTY/SQUARE NOSE		27,529	5.18	1.90	2.30	0.75	0.00
	B25ES027	HDS-19R48	2.375 CY, HEAVY DUTY/SQUARE NOSE		28,504	5.36	1.97	2.38	0.78	0.00

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE OWNERSHIP ELEMENTS		FUEL	CWT							
					AVERAGE	STANDBY	DEPR	CFC									
B25	BUCKETS, CLAMSHELL																
*****																	
ESCO																	
*****																	
B25ES028 HDS-24R51 3.000 CY, HEAVY DUTY/SQUARE NOSE																	
B25ES029 HDS-28R56 3.500 CY, HEAVY DUTY/SQUARE NOSE																	
B25ES030 HDS-32R60 4.000 CY, HEAVY DUTY/SQUARE NOSE																	
B25ES031 HDS-38R60 4.750 CY, HEAVY DUTY/SQUARE NOSE																	
B25ES032 HDS-40R60 5.000 CY, HEAVY DUTY/SQUARE NOSE																	
B25ES033 HDS-50R67 6.250 CY, HEAVY DUTY/SQUARE NOSE																	
B25ES034 HDS-54R67 6.750 CY, HEAVY DUTY/SQUARE NOSE																	
B25ES035 HDS-58R67 7.250 CY, HEAVY DUTY/SQUARE NOSE																	
B25ES036 HDS-62R72 7.750 CY, HEAVY DUTY/SQUARE NOSE																	
B25ES037 HDS-64R72 8.000 CY, HEAVY DUTY/SQUARE NOSE																	
B25ES038 HDS-70R72 8.750 CY, HEAVY DUTY/SQUARE NOSE																	
B25ES039 XDS-5R30 .625 CY, XTRA-HVY DUTY/SQUARE NOSE																	
B25ES040 XDS-7R34 .875 CY, XTRA-HVY DUTY/SQUARE NOSE																	
B25ES041 XDS-10R38 1.250 CY, XTRA-HVY DUTY/SQUARE NOSE																	
B25ES042 XDS-12R41 1.500 CY, XTRA-HVY DUTY/SQUARE NOSE																	
B25ES043 XDS-14R43 1.750 CY, XTRA-HVY DUTY/SQUARE NOSE																	
B25ES044 XDS-17R46 2.125 CY, XTRA-HVY DUTY/SQUARE NOSE																	
B25ES045 XDS-19R48 2.375 CY, XTRA-HVY DUTY/SQUARE NOSE																	
B25ES046 XDS-24R51 3.000 CY, XTRA-HVY DUTY/SQUARE NOSE																	
B25ES047 XDS-30R56 3.750 CY, XTRA-HVY DUTY/SQUARE NOSE																	
B25ES048 XDS-32R60 4.000 CY, XTRA-HVY DUTY/SQUARE NOSE																	
B25ES049 XDS-38R60 4.750 CY, XTRA-HVY DUTY/SQUARE NOSE																	
B25ES050 XDS-40R60 5.000 CY, XTRA-HVY DUTY/SQUARE NOSE																	
B25ES051 XDS-50R67 6.250 CY, XTRA-HVY DUTY/SQUARE NOSE																	
B25ES052 XDS-54R67 6.750 CY, XTRA-HVY DUTY/SQUARE NOSE																	
B25ES053 XDS-58R67 7.250 CY, XTRA-HVY DUTY/SQUARE NOSE																	
B25ES054 XDS-62R72 7.750 CY, XTRA-HVY DUTY/SQUARE NOSE																	
B25ES055 XDS-64R72 8.000 CY, XTRA-HVY DUTY/SQUARE NOSE																	
B25ES056 XDS-70R72 8.750 CY, XTRA-HVY DUTY/SQUARE NOSE																	
B30	BUCKETS, CONCRETE																
*****																	
.10 GENERAL PURPOSE, MANUAL																	
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GAR-BRO																	

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR.)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
B30			BUCKETS, CONCRETE							
			.10 GENERAL PURPOSE, MANUAL							
			GAR-BRO							
	B30GB001	433-G	1.000 CY BUCKET	1,849	0.33	0.12	0.14	0.05	0.00	6
	B30GB002	442-G	1.500 CY BUCKET	2,484	0.45	0.17	0.19	0.07	0.00	8
	B30GB003	462-G	2.000 CY BUCKET	3,006	0.54	0.20	0.23	0.08	0.00	11
	B30GB004	493-G	3.000 CY BUCKET	4,258	0.78	0.29	0.33	0.12	0.00	19
	B30GB005	4123-G	4.000 CY BUCKET	5,310	0.97	0.36	0.41	0.15	0.00	23
			.20 LAYDOWN							
			GAR-BRO							
	B30GB006	425-A	1.000 CY BUCKET, HVY DUTY, AIR GATE	8,814	1.67	0.60	0.69	0.25	0.00	26
	B30GB007	465-A	2.000 CY BUCKET, HVY DUTY, AIR GATE	10,009	1.89	0.67	0.78	0.28	0.00	31
	B30GB008	495-A	3.000 CY BUCKET, HVY DUTY, AIR GATE	11,466	2.16	0.77	0.89	0.32	0.00	40
	B30GB009	4125-A	4.000 CY BUCKET, HVY DUTY, AIR GATE	12,827	2.42	0.86	1.00	0.36	0.00	51
	B30GB010	4155-A	5.000 CY BUCKET, HVY DUTY, AIR GATE	15,232	2.88	1.03	1.19	0.43	0.00	73
			.30 LOWBOY							
			CAMELEVER							
	B30CR001	LB-375	.375 CY BUCKET, AIR OPERATED GATE	2,925	0.57	0.20	0.23	0.08	0.00	2
	B30CR002	LB-050	.500 CY BUCKET, AIR OPERATED GATE	3,051	0.60	0.21	0.24	0.09	0.00	2
	B30CR003	LB-075	.750 CY BUCKET, AIR OPERATED GATE	3,403	0.67	0.24	0.27	0.10	0.00	3
	B30CR004	LB-100	1.000 CY BUCKET, AIR OPERATED GATE	3,535	0.69	0.24	0.28	0.10	0.00	5
	B30CR005	LB-150	1.500 CY BUCKET, AIR OPERATED GATE	4,179	0.82	0.29	0.33	0.12	0.00	6
	B30CR006	LB-200	2.000 CY BUCKET, AIR OPERATED GATE	4,933	0.96	0.33	0.38	0.14	0.00	8
	B30CR007	LB-300	3.000 CY BUCKET, AIR OPERATED GATE	6,202	1.20	0.41	0.48	0.17	0.00	12
	B30CR008	LB-400	4.000 CY BUCKET, AIR OPERATED GATE	7,211	1.40	0.48	0.56	0.20	0.00	15
			.40 LOW SLUMP							
			GAR-BRO							

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP			CWT
					AVERAGE	STANDBY	DEPR	CFC	FUEL	
B30			BUCKETS, CONCRETE							
	.40		LOW SLUMP							
			GAR-BRO							
	B30GB011	440-A	1.000 CY BUCKET, AIR OPERATED GATE	7,769	1.52	0.53	0.61	0.22	0.00	19
	B30GB012	450-A	1.500 CY BUCKET, AIR OPERATED GATE	8,062	1.57	0.55	0.63	0.23	0.00	21
	B30GB013	460-A	2.000 CY BUCKET, AIR OPERATED GATE	8,365	1.63	0.57	0.65	0.24	0.00	23
	B30GB014	493-A	3.000 CY BUCKET, AIR OPERATED GATE	11,191	2.18	0.76	0.87	0.32	0.00	49
	B30GB015	4139-A	4.000 CY BUCKET, AIR OPERATED GATE	11,580	2.25	0.78	0.90	0.33	0.00	52
	B30GB016	4200-A	6.000 CY BUCKET, AIR OPERATED GATE	16,800	3.26	1.13	1.31	0.47	0.00	78
	B30GB017	4250-A	8.000 CY BUCKET, AIR OPERATED GATE	20,101	3.91	1.36	1.57	0.57	0.00	90
B35			BUCKETS, DRAGLINE							
	.10		LIGHT WEIGHT							
			HENDRIX							
	B35HE001	LS	.75 CY BUCKET, LIGHT WT/PERFORATED	4,242	0.97	0.34	0.44	0.12	0.00	15
	B35HE002	LS	1.0 CY BUCKET, LIGHT WT/PERFORATED	5,038	1.16	0.41	0.53	0.14	0.00	18
	B35HE003	LS	1.5 CY BUCKET, LIGHT WT/PERFORATED	6,185	1.41	0.49	0.64	0.17	0.00	26
	B35HE004	LS	2.0 CY BUCKET, LIGHT WT/PERFORATED	7,313	1.67	0.58	0.76	0.20	0.00	32
	B35HE005	LS	2.5 CY BUCKET, LIGHT WT/PERFORATED	8,587	1.97	0.69	0.90	0.24	0.00	37
	B35HE006	LS	3.0 CY BUCKET, LIGHT WT/PERFORATED	10,589	2.42	0.85	1.10	0.30	0.00	46
	B35HE007	LS	3.5 CY BUCKET, LIGHT WT/PERFORATED	11,703	2.68	0.94	1.22	0.33	0.00	50
	B35HE008	LS	4.0 CY BUCKET, LIGHT WT/PERFORATED	14,295	3.27	1.15	1.49	0.40	0.00	65
	B35HE009	LS	4.5 CY BUCKET, LIGHT WT/PERFORATED	14,859	3.40	1.19	1.55	0.41	0.00	69
	B35HE010	LS	5.0 CY BUCKET, LIGHT WT/PERFORATED	18,336	4.19	1.47	1.91	0.51	0.00	85
	B35HE011	LS	6.0 CY BUCKET, LIGHT WT/PERFORATED	19,852	4.54	1.59	2.07	0.55	0.00	90
	B35HE012	LS	7.0 CY BUCKET, LIGHT WT/PERFORATED	21,156	4.84	1.70	2.21	0.59	0.00	101
	B35HE013	LS	8.0 CY BUCKET, LIGHT WT/PERFORATED	24,090	5.51	1.93	2.51	0.67	0.00	112
	B35HE014	LS	9.0 CY BUCKET, LIGHT WT/PERFORATED	27,808	6.37	2.23	2.90	0.78	0.00	128
	B35HE015	LS	10.0 CY BUCKET, LIGHT WT/PERFORATED	30,224	6.91	2.42	3.15	0.84	0.00	139
	B35HE016	LS	12.0 CY BUCKET, LIGHT WT/PERFORATED	37,113	8.50	2.98	3.87	1.04	0.00	166
	B35HE017	LS	14.0 CY BUCKET, LIGHT WT/PERFORATED	42,669	9.76	3.42	4.45	1.19	0.00	191
			SAUERMAN							
	B35SA001	SC-1050-K	1.0 CY BUCKET, L WT, CRECENT SCRAPER	10,559	2.41	0.84	1.10	0.29	0.00	15

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR.)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
B35			BUCKETS, DRAGLINE							
	.10	LIGHT WEIGHT								
			SAUERMAN							
	B35SA002	SC-1060-K	1.5 CY BUCKET, L WT, CRECENT SCRAPER	12,676	2.89	1.01	1.32	0.35	0.00	20
	B35SA003	SC-1070-K	2.0 CY BUCKET, L WT, CRECENT SCRAPER	15,808	3.62	1.27	1.65	0.44	0.00	25
	B35SA004	SC-1090-K	3.0 CY BUCKET, L WT, CRECENT SCRAPER	23,442	5.36	1.87	2.44	0.65	0.00	36
	B35SA005	SC-1100-K	4.0 CY BUCKET, L WT, CRECENT SCRAPER	28,443	6.51	2.28	2.97	0.79	0.00	49
	B35SA006	SC-1110-K	5.0 CY BUCKET, L WT, CRECENT SCRAPER	34,044	7.79	2.73	3.55	0.95	0.00	58
	B35SA007	SC-1120-K	6.0 CY BUCKET, L WT, CRECENT SCRAPER	37,356	8.54	2.99	3.89	1.04	0.00	68
	B35SA008	SC-1130-K	8.0 CY BUCKET, L WT, CRECENT SCRAPER	45,179	10.34	3.62	4.71	1.26	0.00	88
	B35SA009	SC-1140-K	10.0 CY BUCKET, L WT, CRECENT SCRAPER	53,521	12.24	4.28	5.58	1.49	0.00	106
	B35SA010	SC-1150-K	12.0 CY BUCKET, L WT, CRECENT SCRAPER	65,969	15.09	5.28	6.88	1.84	0.00	132
	.20	MEDIUM WEIGHT								
			HENDRIX							
	B35HE018	TS	.75 CY BUCKET, MEDIUM WEIGHT	4,642	0.96	0.35	0.43	0.13	0.00	17
	B35HE019	TS	1.0 CY BUCKET, MEDIUM WEIGHT	5,689	1.18	0.43	0.53	0.16	0.00	19
	B35HE020	TS	1.5 CY BUCKET, MEDIUM WEIGHT	7,053	1.45	0.52	0.65	0.19	0.00	28
	B35HE021	TS	2.0 CY BUCKET, MEDIUM WEIGHT	8,432	1.73	0.62	0.78	0.23	0.00	36
	B35HE022	TS	2.5 CY BUCKET, MEDIUM WEIGHT	9,716	2.00	0.72	0.90	0.27	0.00	41
	B35HE023	TS	3.0 CY BUCKET, MEDIUM WEIGHT	11,611	2.40	0.86	1.08	0.32	0.00	49
	B35HE024	TS	3.5 CY BUCKET, MEDIUM WEIGHT	12,827	2.64	0.95	1.19	0.35	0.00	54
	B35HE025	TS	4.0 CY BUCKET, MEDIUM WEIGHT	15,442	3.18	1.14	1.43	0.42	0.00	70
	B35HE026	TS	4.5 CY BUCKET, MEDIUM WEIGHT	16,489	3.40	1.22	1.53	0.45	0.00	72
	B35HE027	TS	5.0 CY BUCKET, MEDIUM WEIGHT	21,143	4.36	1.56	1.96	0.58	0.00	93
	B35HE028	TS	6.0 CY BUCKET, MEDIUM WEIGHT	21,844	4.50	1.61	2.02	0.60	0.00	96
	B35HE029	TS	7.0 CY BUCKET, MEDIUM WEIGHT	24,949	5.14	1.85	2.31	0.69	0.00	111
	B35HE030	TS	8.0 CY BUCKET, MEDIUM WEIGHT	27,466	5.67	2.04	2.55	0.76	0.00	122
	B35HE031	TS	9.0 CY BUCKET, MEDIUM WEIGHT	32,904	6.79	2.44	3.05	0.91	0.00	149
	B35HE032	TS	10.0 CY BUCKET, MEDIUM WEIGHT	35,045	7.22	2.59	3.25	0.96	0.00	159
	B35HE033	TS	12.0 CY BUCKET, MEDIUM WEIGHT	44,660	9.21	3.30	4.14	1.23	0.00	202
	B35HE034	TS	14.0 CY BUCKET, MEDIUM WEIGHT	51,826	10.68	3.83	4.80	1.43	0.00	225
	.30	HEAVY WEIGHT								

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
B35			BUCKETS, DRAGLINE							
	.30		HEAVY WEIGHT							
			HENDRIX							
	B35HE035	MH-S	2.75 CY BUCKET, HEAVY WEIGHT	18,546	3.48	1.28	1.55	0.50	0.00	69
	B35HE036	MH-S	3.0 CY BUCKET, HEAVY WEIGHT	19,289	3.63	1.34	1.61	0.53	0.00	72
	B35HE037	MH-S	3.5 CY BUCKET, HEAVY WEIGHT	21,603	4.06	1.49	1.80	0.59	0.00	81
	B35HE038	MH-S	4.0 CY BUCKET, HEAVY WEIGHT	28,906	5.43	2.00	2.41	0.79	0.00	110
	B35HE039	MH-S	4.5 CY BUCKET, HEAVY WEIGHT	32,317	6.08	2.23	2.70	0.88	0.00	123
	B35HE040	MH-S	5.0 CY BUCKET, HEAVY WEIGHT	33,372	6.27	2.30	2.78	0.91	0.00	127
	B35HE041	MH-S	6.0 CY BUCKET, HEAVY WEIGHT	35,739	6.71	2.46	2.98	0.97	0.00	136
	B35HE042	MH-S	7.0 CY BUCKET, HEAVY WEIGHT	47,561	8.94	3.28	3.97	1.29	0.00	175
	B35HE043	MH-S	8.0 CY BUCKET, HEAVY WEIGHT	46,746	8.78	3.22	3.90	1.27	0.00	180
	B35HE044	MH-S	9.0 CY BUCKET, HEAVY WEIGHT	59,495	11.18	4.10	4.96	1.62	0.00	234
	B35HE045	MH-S	10.0 CY BUCKET, HEAVY WEIGHT	61,274	11.52	4.23	5.11	1.67	0.00	243
	B35HE046	MH-S	12.0 CY BUCKET, HEAVY WEIGHT	72,874	13.69	5.02	6.08	1.98	0.00	289
	B35HE047	MH-S	14.0 CY BUCKET, HEAVY WEIGHT	77,098	14.49	5.32	6.43	2.10	0.00	309
C05			CHAIN SAWS							
	C05HO001	XL925	CHAINSAW - 31" BAR	3 HP G	705	1.60	0.10	0.15	0.02	0.34
C10			COMPACTORS, MANUALLY OPERATED							
			BOMAG							
	C10BO001	BT 58	VIBRATORY TAMPER, 9" RAMMER	3 HP G	2,414	1.50	0.26	0.38	0.07	0.34
	C10BO002	BT 68	VIBRATORY TAMPER, 11" RAMMER	3 HP G	2,887	1.71	0.32	0.45	0.09	0.34
	C10BO003	BP 10/36	VIBRATORY PLATE, WITH 14.2" PLATE	4 HP G	1,382	1.18	0.15	0.22	0.04	0.45
	C10BO004	BP 15/45	VIBRATORY PLATE, WITH 17.7" PLATE	4 HP G	1,746	1.33	0.19	0.27	0.05	0.45
	C10BO005	BP 20/48D	VIBRATORY PLATE, WITH 18.9" PLATE	4 HP D	3,864	1.93	0.43	0.61	0.12	0.16
	C10BO006	BPR 30/38	VIB REVERSIBLE PLATE, W/15" PLATE	5 HP G	5,495	3.16	0.60	0.86	0.17	0.57
	C10BO007	BPR 30/38D	VIB REVERSIBLE PLATE, W/15" PLATE	5 HP D	6,580	3.19	0.72	1.03	0.20	0.21
	C10BO008	BPR 50/55D	VIB REVERSIBLE PLATE, W/31.5" PLATE	7 HP D	9,912	4.78	1.08	1.55	0.30	0.29

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT					
					AVERAGE	STANDBY	DEPR	CFC							
C10	COMPACTORS, MANUALLY OPERATED														
	*****														
	BOMAG														
	C10BO009	BW 55E	SINGLE DRUM, 22.1" WIDE, WALK-BEHIND	5 HP D	9,124	4.33	1.00	1.43	0.28	0.21					
	C10BO010	BW 35	DOUBLE DRUM, 15.4" WIDE, WALK-BEHIND	4 HP D	11,748	5.44	1.28	1.84	0.36	0.16					
	C10BO011	BW 60S	DOUBLE DRUM, 23.6" WIDE	8 HP D	14,662	6.96	1.60	2.30	0.45	0.33					
	C10BO012	BW 90S	DOUBLE DRUM, 35.5" WIDE	13 HP D	18,481	8.92	2.02	2.90	0.57	0.53					
	HOMELITE														
	C10HO001	HR65	RAMMER, 11" X 13" PLATE	4 HP G	2,328	1.60	0.26	0.37	0.07	0.45					
	C10HO002	HR80	RAMMER, 12" X 13" PLATE	4 HP G	2,615	1.73	0.29	0.41	0.08	0.45					
	C10HO003	HCP120	VIBRO PLATE, 23" X 22" PLATE	5 HP G	2,345	1.76	0.26	0.37	0.07	0.57					
	WACKER														
	C10WC001	BS 45Y	RAMMER, VIBRATORY, 10" X 13" SHOE	4 HP G	2,087	1.49	0.23	0.33	0.06	0.45					
	C10WC002	GVR 151Y	RAMMER, VIBRATORY, 11" X 13" SHOE	4 HP G	2,719	1.77	0.30	0.43	0.08	0.45					
	C10WC003	BS 65Y	RAMMER, VIBRATORY, 13" X 11" SHOE	4 HP G	3,573	2.16	0.39	0.56	0.11	0.45					
	C10WC004	BS 105Y	RAMMER, VIBRATORY, 16" X 15" SHOE	4 HP G	4,238	2.45	0.46	0.66	0.13	0.45					
	C10WC005	VPG 160B	VIBRO PLATE, 21" X 24" BASE PLATE	4 HP G	1,562	1.25	0.17	0.24	0.05	0.45					
	C10WC006	BPS 2550 K	VIBRO PLATE, 19.5" X 25.5" BASE PLATE	7 HP G	2,737	2.20	0.30	0.43	0.08	0.79					
	C10WC007	BPU 3345R	VIBRO PLATE, 23.5" X 35.5" BASE PLATE	7 HP G	7,634	4.39	0.83	1.20	0.23	0.79					
	C10WC008	DPU 3345H	VIBRO PLATE, 23.5" X 35.5" BASE PLATE	6 HP D	11,835	5.60	1.29	1.86	0.36	0.25					
	C10WC009	DPU 6760	VIBRO PLATE, 31.5" X 42" BASE PLATE	14 HP D	22,541	10.77	2.46	3.53	0.69	0.57					
	C10WC010	RSS 800A	28.3" WIDE X 22" DIA. VIB ROLLER	11 HP G	9,734	5.90	1.07	1.53	0.30	1.25					
	SINGLE DRUM, WALK-BEHIND														
	C10WC011	W 55 T	29.5" WIDE X 17.3 DIA. VIB ROLLER	8 HP D	14,001	6.67	1.53	2.20	0.43	0.33					
	DOUBLE DRUM, WALK-BEHIND														
	C10WC012	W 74 T	29.5" WIDE X 17.3 DIA. VIB ROLLER	8 HP D	15,945	7.53	1.74	2.50	0.49	0.33					
	C10WC013	WDH 86-110(PAD)	34" WIDE X 20.5 DIA. VIB ROLLER HYDRAULIC, DOUBLE DRUM, WALK-BEHIND	12 HP D	32,062	14.92	3.50	5.03	0.98	0.49					
C15	CONCRETE BLASTERS														
	*****														
BLASTRAC															

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP			CWT
					AVERAGE	STANDBY	DEPR	CFC	FUEL	
C15			CONCRETE BLASTERS							
			BLASTRAC							
	C15BL001	1-8D & SHOP VAC	8" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECTOR (ADD 4KVA GEN)	6,912	2.73	0.66	0.90	0.21	0.00	2
	C15BL002	1-8DP & 100-DC	8" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECTOR (ADD 5KVA GEN)	13,341	5.00	1.27	1.74	0.40	0.00	4
	C15BL003	1-10D & 654-DC	10" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECT (ADD 30 KVA GEN)	27,013	10.21	2.58	3.53	0.81	0.00	16
	C15BL004	1-15D & 654-DC	15" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECT (ADD 30 KVA GEN)	38,143	14.04	3.63	4.98	1.14	0.00	17
	C15BL005	1-20D & 854-DC	20" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECT (ADD 75 KVA GEN)	49,183	17.86	4.69	6.43	1.47	0.00	30
C20			CONCRETE BUGGIES							
			AEROIL PRODUCTS							
	C20AE001	BUFFALO 800	WALK-BEHIND W/DUMP HOPPER, 800# CAP	5 HP G	2,353	1.38	0.26	0.37	0.07	0.44
			MULTIQUIP							
	C20MU001	WBH-12	12 CF BUCKET, WALK & RIDE	8 HP G	5,972	2.90	0.61	0.86	0.18	0.70
	C20MU002	WBH-16E	16 CF BUCKET, WALK & RIDE	11 HP G	7,363	3.74	0.77	1.08	0.23	0.97
C25			CONCRETE FINISHERS							
			STOW							
	C25ST001	36-H-804	ROTO-TROWEL - 36", 4-BLADED	8 HP G	1,669	1.52	0.18	0.26	0.05	0.70
	C25ST002	46-H-804	ROTO-TROWEL - 46", 4-BLADED	8 HP G	1,804	1.57	0.20	0.28	0.06	0.70
			WACKER							
	C25WC001	CT36A	POWER TROWEL, 36" DIAMETER	5 HP G	1,567	1.15	0.18	0.25	0.05	0.44

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES		ADJUSTABLE OWNERSHIP	ELEMENTS	FUEL	CWT
					AVERAGE	STANDBY				
C25			CONCRETE FINISHERS							
			WACKER							
	C25WC002	CT48A	POWER TROWEL, 48" DIAMETER	8 HP G	2,092	1.67	0.23	0.33	0.06	0.70
C35			CONCRETE GUNTERS/SHOTCRETTERS							
			ALLEGNTOWN							
	C35AL001	R-450	BATCH MIXER FOR PNEUM GUN N-1, N-2 OR GR-600; 4-5 TON/HR. INCLUDES TRAILER, HOPPER & FEEDER. (ADD 365 CFM COMPRESSOR)	12 HP G	16,344	6.17	1.41	1.90	0.46	1.14
	C35AL002	R-900	BATCH MIXER FOR PNEUM GUN N-2, N-3, OR GR-1200; 9-10 TON/HR. INCLUDES TRAILER, HOPPER & FEEDER. (ADD 600 CFM COMPRESSOR)	20 HP G	19,561	8.05	1.66	2.22	0.55	1.90
	C35AL003	GR-600	ROTARY GUN 1-6 CY/HR INCL. 1-1/2" HOSE, (ADD COMPRESSOR)	550 CFM A	10,001	3.03	0.85	1.14	0.28	0.00
	C35AL004	GR-1200	ROTARY GUN 4-12 CY/HR INCL. 1-1/2" HOSE, (ADD COMPRESSOR)	770 CFM A	20,573	6.19	1.80	2.43	0.58	0.00
	C35AL005	HPR-12-10	CONTINUOUS MIX GUNNING RIG 12 CY/HR USE W/GR-600 GUN. INCLUDES HOPPER & FEEDER. INCLUDES TRAILER	18 HP D	22,145	7.13	1.94	2.62	0.63	0.62
	C35AL006	HPR-12-13	CONTINUOUS MIX GUNNING RIG 12 CY/HR USE W/N-1, N-2, N-3 GUNS. INCLUDES HOPPER & FEEDER. INCLUDES TRAILER	18 HP D	24,837	7.90	2.17	2.94	0.70	0.62
	C35AL007	N-1	PNEUMATIC GUN, 4 CY/HR (ADD 1-1/4" HOSE & COMPRESSOR)	450 CFM A	12,322	3.79	1.09	1.48	0.35	0.00
	C35AL008	N-2	PNEUMATIC GUN, 6-8 CY/HR (ADD 1-1/2" HOSE AND COMPRESSOR)	600 CFM A	13,334	4.13	1.18	1.60	0.38	0.00
	C35AL009	N-3	PNEUMATIC GUN, 8-10 CY/HR (ADD 2" HOSE AND COMPRESSOR)	900 CFM A	14,704	4.62	1.30	1.76	0.42	0.00
	C35AL010	MODEL 30H	SHOTCRETE & CONCRETE PUMP 30 CY/HR, 950 PSI	40 HP D	35,935	12.06	3.16	4.28	1.02	1.38
	C35AL011	MODEL 40	SHOTCRETE & CONCRETE PUMP 40 CY/HR, 950 PSI	67 HP D	40,681	14.61	3.58	4.85	1.15	2.31

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
C40			CONCRETE MIXERS							
			STOW							
	C40ST001	CM4	4 C.F., PORTABLE	1 HP E	1,538	0.81	0.17	0.24	0.05	0.03
	C40ST002	CM4	4 C.F., PORTABLE	5 HP G	1,665	1.18	0.18	0.26	0.05	0.44
	C40ST003	CM6	6 C.F., PORTABLE	1 HP E	2,373	1.15	0.26	0.37	0.07	0.03
	C40ST004	CM6	6 C.F., PORTABLE	8 HP G	2,672	1.88	0.29	0.42	0.08	0.70
	C40ST005	CM9	9 C.F., PORTABLE	2 HP E	3,007	1.47	0.33	0.47	0.09	0.06
	C40ST006	CM9	9 C.F., PORTABLE	8 HP G	3,094	2.03	0.34	0.49	0.09	0.70
C45			CONCRETE PAVING MACHINES							
			CATERPILLAR							
	C45CA001	SF-175	SLIPFORM PAVER, 4 TRACK CRAWLER CURBS, MEDIANES, AND SIDEWALKS	142 HP D	160,304	40.34	10.81	12.63	4.49	4.89
	C45CA002	SF-250B	26' WIDE SLIPFORM PAVER 0-80 FT/MIN, CRAWLER MTD.	208 HP D	261,002	64.66	17.60	20.57	7.31	7.16
	C45CA003	SF-350 SER II	24' WIDE SLIPFORM PAVER 0-60 FT/MIN, CRAWLER MTD.	250 HP D	444,262	105.48	29.96	35.01	12.45	8.61
	C45CA004	SF - 550	24' WIDE SLIPFORM PAVER 0-60 FT/MIN, CRAWLER MTD.	400 HP D	526,023	129.48	35.47	41.45	14.74	13.78
			GOMACO							
	C45GO001	C-650-F	24' WIDE SLIPFORM PAVER, WITH 4' FINISHING CYLINDERS	45 HP G	34,637	13.02	2.33	2.71	0.97	4.28
	C45GO002	C-650-S	24' WIDE SLIPFORM PAVER, WITH 4' FINISHING CYLINDERS, CRAWLER MTD	45 HP G	60,127	18.43	4.05	4.74	1.68	4.28
	C45GO003	GP-1500	12' WIDE SLIPFORM PAVER 0-51 FT/MIN, CRAWLER MTD	107 HP D	124,905	31.27	8.42	9.84	3.50	3.69
	C45GO004	GP-2000	16' WIDE SLIPFORM PAVER 0-38 FT/MIN, CRAWLER MTD	185 HP D	169,552	44.20	11.43	13.36	4.75	6.37
	C45GO005	GP-2500	25' WIDE SLIPFORM PAVER 0-39 FT/MIN, CRAWLER MTD	265 HP D	228,707	60.32	15.42	18.02	6.41	9.13
	C45GO006	GP-3500	42' SLIPFORM PAVER, 2 TRACK CRAWLER	234 HP D	362,701	87.43	24.45	28.58	10.16	8.06
	C45GO007	GP-3500	42' SLIPFORM PAVER, 4 TRACK CRAWLER	234 HP D	423,889	100.44	28.57	33.40	11.87	8.06

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP			FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC			
C45			CONCRETE PAVING MACHINES								
			GOMACO								
	C45GO008	GP-5000	50' SLIPFORM PAVER, 2 TRACK CRAWLER	454 HP D	531,962	133.12	35.86	41.92	14.90	15.64	1,320
	C45GO009	GP-5000	50' SLIPFORM PAVER, 4 TRACK CRAWLER	454 HP D	604,502	148.54	40.75	47.63	16.93	15.64	1,500
C55			CONCRETE PUMPS								
			MORGEN								
	C55MO001	MUSTANG 25	25 CY/HOUR, TRAILER MOUNTED	30 HP G	19,506	9.95	1.56	2.03	0.54	3.59	29
	C55MO002	MUSTANG 40	40 CY/HOUR, TRAILER MOUNTED	73 HP D	34,978	13.41	2.80	3.65	0.97	3.17	43
	C55MO003	MUSTANG 50	50 CY/HOUR, TRAILER MOUNTED	110 HP D	41,348	17.17	3.31	4.31	1.15	4.78	48
	C55MO004	MUSTANG 65	65 CY/HOUR, TRAILER MOUNTED	110 HP D	43,839	17.84	3.51	4.58	1.22	4.78	49
	C55MO005	80N	80 CY/HOUR, TRAILER MOUNTED	160 HP D	98,813	35.29	7.87	10.23	2.75	6.95	120
	C55MO006	100N	100 CY/HOUR, TRAILER MOUNTED	210 HP D	110,014	41.07	8.76	11.40	3.06	9.13	125
	C55MO007	211-900/211-893	72' VERTICAL BOOM, 60 CY/HR WITH 23,100 GVW TRUCK (WITH CARRIER ENGINE)	210 HP D	165,182	55.90	13.16	17.12	4.60	9.13	300
	C55MO008	211-900/208-850	72' VERTICAL BOOM, 90 CY/HR WITH 23,100 GVW TRUCK (WITH CARRIER ENGINE)	210 HP D	188,410	62.17	14.97	19.44	5.25	9.13	300
	C55MO009	209-930/208-755	92' VERTICAL BOOM, 115 CY/HR WITH 41,300 GVW TRUCK (WITH CARRIER ENGINE)	270 HP D	239,992	79.29	19.10	24.84	6.68	11.73	350
	C55MO010	209-930/205-494	92' VERTICAL BOOM, 140 CY/HR WITH 41,300 GVW TRUCK (WITH CARRIER ENGINE)	270 HP D	250,431	82.08	19.94	25.93	6.97	11.73	360
	C55MO011	204-705/208-755	105' VERTICAL BOOM, 115 CY/HR WITH 41,300 GVW TRUCK (WITH CARRIER ENGINE)	270 HP D	264,019	85.72	21.03	27.36	7.35	11.73	350
	C55MO012	204-705/205-494	105' VERTICAL BOOM, 140 CY/HR WITH 41,300 GVW TRUCK (WITH CARRIER ENGINE)	270 HP D	274,159	88.43	21.84	28.42	7.63	11.73	360
			SCHWING AMERICA								

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT															
					AVERAGE	STANDBY	DEPR	CFC																	
C55	<b>CONCRETE PUMPS</b>																								
*****																									
SCHWING AMERICA																									
*****																									
C55SC001 BPA 750 69 CY/HR, 859 PSI, TRAILER MTD																									
C55SC002 BPA 2000-20R 117 CY/HR, 1,565 PSI, TRAILER MTD																									
C55SC003 BP 3001-18R 103 CY/HR, 2,098 PSI, TRAILER MTD																									
C55SC004 BP 5000-18 137 CY/HR, 2,098 PSI, TRAILER MTD																									
C55SC005 BPL 900/KVM 23 75' BOOM, 117 CY/HR, TRUCK MTD																									
1,565 PSI, WITH TRUCK																									
C55SC006 BPL 900/KVM 28 92' BOOM, 117 CY/HR, TRUCK MTD																									
1,565 PSI, WITH TRUCK																									
C55SC007 BPL 1200/KVM 32 105' BOOM, 171 CY/HR, TRUCK MTD																									
1,285 PSI, WITH TRUCK																									
C55SC008 BPL 1200/KVM 36 118' BOOM, 171 CY/HR, TRUCK MTD																									
1,285 PSI, WITH TRUCK																									
C55SC009 BPL 1200/KVM 42 138' BOOM, 196 CY/HR, TRUCK MTD																									
1,184 PSI, WITH TRUCK																									
C60	<b>CONCRETE SAWS (sawblade wear not included)</b>																								
*****																									
FELKER/DRESSER																									
*****																									
C60FE001 FC12 4" DEPTH OF CUT, 12" BLADE, HANDHELD																									
C60FE002 FC14 5" DEPTH OF CUT, 14" BLADE, HANDHELD																									
C60FE003 11HDCC 4-5/8" DEPTH/CUT, 14" BLADE, COMPACT																									
C60FE004 200KMR-A-14 4-5/8" DEPTH/CUT, 14" BLADE, MIDRANGE																									
C60FE005 200KMR-A-18 6-5/8" DEPTH/CUT, 18" BLADE, MIDRANGE																									
HOMELITE																									
*****																									
C60HO001 HWS814 5" DEPTH OF CUT, WALK-BEHIND																									
C60HO002 HWS1414 5-3/4" DEPTH OF CUT, WALK-BEHIND																									
LONGYEAR																									
*****																									
C60LY001 360-10HM WALL SAW, 1700 PSI																									
C60LY002 360-35HM WALL SAW, 2500 PSI																									

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
C60			CONCRETE SAWS (sawblade wear not included)							
			LONGYEAR							
	C60LY003	800WR	5" DEPTH OF CUT, WALK-BEHIND	8 HP G	1,301	1.64	0.13	0.17	0.04	0.91
	C60LY004	815WR	5" DEPTH OF CUT, WALK-BEHIND	11 HP G	1,636	2.20	0.16	0.21	0.05	1.25
	C60LY005	815WR	7" DEPTH OF CUT, WALK-BEHIND	11 HP G	1,664	2.22	0.16	0.22	0.05	1.25
	C60LY006	815EB	5" DEPTH OF CUT, WALK-BEHIND	5 HP E	1,803	0.90	0.17	0.24	0.05	0.20
	C60LY007	1800W	5" DEPTH OF CUT, WALK-BEHIND	18 HP G	6,155	4.78	0.58	0.80	0.18	2.04
	C60LY008	3535W	5" DEPTH OF CUT, WALK-BEHIND	35 HP G	7,568	7.82	0.73	0.99	0.23	3.97
	C60LY009	6530-48	21" DEPTH OF CUT, WALK-BEHIND	65 HP G	14,269	14.59	1.36	1.86	0.43	7.37
C65			CONCRETE VIBRATORS							
			MASTER							
	C65MS001	A-25010	2.5" DIA. HEAD (ADD COMPRESSOR)	40 CFM A	903	0.89	0.12	0.18	0.03	0.00
	C65MS002	A-30010	3.0" DIA. HEAD (ADD COMPRESSOR)	64 CFM A	1,150	1.12	0.15	0.22	0.04	0.00
	C65MS003	A-35010	3.5" DIA. HEAD (ADD COMPRESSOR)	82 CFM A	1,274	1.26	0.17	0.25	0.04	0.00
	C65MS004	A-450SH	4.5" DIA. HEAD (ADD COMPRESSOR)	110 CFM A	1,418	1.43	0.19	0.28	0.05	0.00
	C65MS005	A-600SH	6.0" DIA. HEAD (ADD COMPRESSOR)	125 CFM A	2,201	2.15	0.29	0.43	0.07	0.00
			WACKER							
	C65WC001	IRE 57/240/180	HI-FREQ INTERNAL, 2-1/4"HD(ADD GEN)	1 HP E	1,315	1.37	0.17	0.26	0.04	0.03
	C65WC002	IRE 65/240/180	HI-FREQ INTERNAL, 2-1/2"HD(ADD GEN)	2 HP E	1,386	1.49	0.18	0.27	0.04	0.06
C75			CRANES, HYDRAULIC, SELF-PROP.							
			BADGER							
	C75BA001	4445	45 TON, ROUGH TERRAIN, 4WD	197 HP D	275,538	51.26	15.17	15.77	7.28	6.78
	C75BA002	4455	55 TON ROUGH TERRAIN, 4WD	197 HP D	316,436	57.98	17.32	17.91	8.36	6.78
			BRODERSON							

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

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT						
					AVERAGE	STANDBY	DEPR	CFC								
<b>C75 CRANES, HYDRAULIC, SELF-PROP.</b>																
*****																
P & H/HARNISCHFEGER																
*****																
	C75PH001	CN 115	15 TON, ROUGH TERRAIN, 4WD	130 HP D	175,828	32.82	9.71	10.11	4.65	4.48						
	C75PH002	CN 118	18 TON, ROUGH TERRAIN, 4WD	130 HP D	180,387	33.50	9.96	10.38	4.77	4.48						
	C75PH003	CN 120	20 TON, ROUGH TERRAIN, 4WD	130 HP D	190,818	35.06	10.54	11.00	5.04	4.48						
	C75PH004	CN 122	22 TON, ROUGH TERRAIN, 4WD	130 HP D	191,729	35.19	10.60	11.05	5.07	4.48						
	C75PH005	CN 125	25 TON, ROUGH TERRAIN, 4WD	130 HP D	199,330	36.38	11.01	11.48	5.27	4.48						
	C75PH006	CN 30	30 TON, ROUGH TERRAIN, 4WD	155 HP D	235,696	43.07	13.02	13.58	6.23	5.34						
	C75PH007	CN 35	35 TON, ROUGH TERRAIN, 4WD	155 HP D	243,554	44.25	13.47	14.05	6.44	5.34						
	C75PH008	OMEGA 40	40 TON, ROUGH TERRAIN, 4WD	202 HP D	327,572	59.28	18.10	18.87	8.66	6.96						
	C75PH009	OMEGA 45	45 TON, ROUGH TERRAIN, 4WD	202 HP D	338,943	61.76	18.54	19.16	8.96	6.96						
	C75PH010	OMEGA 50	50 TON, ROUGH TERRAIN, 4WD	202 HP D	351,281	63.59	19.23	19.89	9.28	6.96						
	C75PH011	OMEGA 65	65 TON, ROUGH TERRAIN, 4WD	235 HP D	449,631	80.38	24.61	25.45	11.88	8.09						
TADANO																
*****																
	C75TD001	TR-200E	22 TON, ROUGH TERRAIN, 4WD	153 HP D	190,683	36.21	10.51	10.93	5.04	5.27						
	C75TD002	TR-250E	27.5TON, ROUGH TERRAIN, 4WD	153 HP D	211,956	39.38	11.70	12.19	5.60	5.27						
	C75TD003	TR-300E	33 TON, ROUGH TERRAIN, 4WD	190 HP D	251,086	46.93	13.88	14.50	6.63	6.54						
	C75TD004	TR-400E	45 TON, ROUGH TERRAIN, 4WD	190 HP D	387,799	67.73	21.48	22.45	10.25	6.54						
	C75TD005	TR-500E	55 TON, ROUGH TERRAIN, 4WD	190 HP D	431,953	75.52	23.66	24.49	11.41	6.54						
<b>C80 CRANES, HYDRAULIC, TRUCK MTD</b>																
*****																
.01	UNDER 26 TON		-----													
GROVE																
*****																
	C80GV001	TMS-522	22 TON, WITH 70' BOOM, 6X4WD	175 HP D	216,285	36.26	12.04	12.66	5.71	5.17						
LINK BELT (FMC)																
*****																
	C80LI001	HTC-814	14 TON, WITH 80' BOOM	200 HP D	239,941	40.49	13.36	14.04	6.34	5.90						
	C80LI002	HTC-825S	25 TON, WITH 80' BOOM	205 HP D	230,557	39.43	12.84	13.49	6.09	6.05						
P & H/HARNISCHFEGER																
*****																

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
C80			CRANES, HYDRAULIC, TRUCK MTD							
	.01		UNDER 26 TON							
			P & H/HARNISCHFEGER							
	C80PH001	CN T-250	25 TON, WITH 80' BOOM	210 HP D	234,928	40.21	13.09	13.75	6.21	6.20
	.02		26 TON THRU 65 TON							
			GROVE							
	C80GV002	TMS-527.5	27.5 TON, WITH 70' BOOM, 6X4WD	175 HP D	222,683	35.13	11.54	11.41	5.83	5.17
	C80GV003	TMS-528B	28 TON, WITH 80' BOOM, 6X4WD	175 HP D	237,730	37.05	12.31	12.18	6.22	5.17
	C80GV004	TMS-250C	35 TON, WITH 80' BOOM, 6X4WD	163 HP D	259,476	39.39	13.45	13.31	6.79	4.81
	C80GV005	TMS-300B	40 TON, WITH 104' BOOM, 8X4WD	205 HP D	316,169	48.36	16.35	16.15	8.27	6.05
	C80GV006	TMS-475	50 TON, WITH 84' BOOM, 8X4WD	205 HP D	364,683	54.51	18.88	18.67	9.54	6.05
	C80GV007	TMS-760	60 TON, WITH 115' BOOM, 8X4WD	251 HP D	423,796	63.77	21.96	21.74	11.09	7.41
			LINK BELT (FMC)							
	C80LI003	HTC-830	30 TON WITH 80' BOOM	210 HP D	257,219	40.87	13.32	13.18	6.73	6.20
	C80LI004	HTC-835	35 TON WITH 101' BOOM	210 HP D	270,008	42.50	14.00	13.85	7.07	6.20
	C80LI005	HTC-840	40 TON WITH 110' BOOM	240 HP D	319,309	50.06	16.52	16.31	8.36	7.08
	C80LI006	HTC-850	50 TON WITH 110' BOOM	240 HP D	351,708	54.19	18.19	17.98	9.20	7.08
	C80LI007	HTC-860	60 TON WITH 110' BOOM	240 HP D	366,940	56.15	18.98	18.75	9.60	7.08
			P & H/HARNISCHFEGER							
	C80PH002	CN T-300	30 TON WITH 100' BOOM	210 HP D	250,358	39.83	13.00	12.90	6.55	6.20
	C80PH003	CN T-350	35 TON WITH 110' BOOM	210 HP D	257,313	40.71	13.36	13.26	6.73	6.20
	C80PH004	CN T-400	40 TON WITH 106' BOOM	225 HP D	333,220	51.27	17.24	17.03	8.72	6.64
	C80PH005	OMEGA T-450	45 TON WITH 140' BOOM	225 HP D	353,543	53.85	18.30	18.09	9.25	6.64
	C80PH006	OMEGA T-500	50 TON WITH 140' BOOM	225 HP D	366,030	55.44	18.95	18.74	9.58	6.64
	C80PH007	CN T-650	65 TON WITH 147' BOOM	335 HP D	421,572	66.57	21.85	21.63	11.03	9.89
	.03		66 TON THRU 125 TON							
			GROVE							

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP			FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC			
C80			CRANES, HYDRAULIC, TRUCK MTD								
	.03	66 TON THRU 125 TON									
			GROVE								
	C80GV008	TMS-875	75 TON, WITH 114' BOOM, 8X4WD	251 HP D	463,687	67.23	22.47	20.82	12.06	7.41	1,008
	C80GV009	TM-880	80 TON, WITH 114' BOOM, 8X4WD (WITH CARRIER ENGINE)	200 HP D 310 HP D	539,995	77.52	26.26	24.43	14.04	8.32	1,104
	C80GV010	TM-890	90 TON, WITH 114' BOOM, 8X4WD (WITH CARRIER ENGINE)	200 HP D 304 HP D	547,484	78.69	26.57	24.66	14.24	8.28	1,205
	.04	OVER 125 TON									
			GROVE								
	C80GV011	TM-1300	130 TON, WITH 140' BOOM, 12X6WD (WITH CARRIER ENGINE)	163 HP D 335 HP D	838,519	110.44	38.67	34.01	21.66	7.42	1,672
	C80GV012	TM-1500	150 TON, WITH 173' BOOM, 12X6WD (WITH CARRIER ENGINE)	163 HP D 391 HP D	1,015,992	131.87	46.96	41.41	26.25	7.86	1,921
C85			CRANES, MECHANICAL, CRAWLER MTD								
	.10	DRAGLINE, CLAMSHELL									
	.11	0 THRU 1 CY									
			NORTHWEST								
	C85NO001	50-D/5030	1.0 CY, DRAGLINE/CLAM (ADD BUCKET) 40' BOOM, 15'-4" CRAWLERS W/30" SHOES	190 HP D	303,009	57.37	18.63	21.03	8.11	4.36	930
			P & H/HARNISCHFEGER								
	C85PH001	320H	.75 CY, DRAGLINE/CLAM (ADD BUCKET) 50' BOOM, 13'-7" CRAWLERS W/30" SHOES	93 HP D	170,939	31.94	10.51	11.87	4.57	2.14	580
	.12	OVER 1 CY THRU 2-1/2 CY									

**TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (AVERAGE CONDITIONS)**

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
C85			CRANES, MECHANICAL, CRAWLER MTD							
	.13		OVER 2-1/2 CY THRU 5 CY							
			NORTHWEST							
	C85N0005	70-D/7080	3.5 CY, DRAGLINE/CLAM (ADD BUCKET) 80' BOOM, 19'-0" CRAWLERS W/30" SHOES	238 HP D	599,170	93.11	31.28	31.19	15.68	5.46 1,497
	C85N0006	95-D/9570-WT	4.0 CY, DRAGLINE/CLAM (ADD BUCKET) 50' BOOM, 19'-0" CRAWLERS W/38" SHOES	304 HP D	567,778	90.45	29.64	29.56	14.86	6.98 1,580
			P & H/HARNISCHFEGER							
	C85PH003	5100	3.00 CY, DRAGLINE/CLAM (ADD BUCKET) 105' BOOM, 21'-6" CRAWLERS W/36" SHOES	188 HP D	612,165	93.60	31.96	31.87	16.02	4.32 1,485
	C85PH004	C-120	4.00 CY, DRAGLINE/CLAM (ADD BUCKET) 115' BOOM, 24'-0" CRAWLERS W/36" SHOES	260 HP D	615,968	96.16	32.16	32.07	16.12	5.97 2,203
	C85PH005	C-165	5.00 CY, DRAGLINE/CLAM (ADD BUCKET) 135' BOOM, 26'-3" CRAWLERS W/42" SHOES	260 HP D	815,722	124.99	42.59	42.47	21.35	5.97 2,510
	.14		OVER 5 CY							
			AMERICAN CRANE							
	C85AM004	12220	37.5 TON CLAMSHELL (ADD BUCKET) 120' BOOM, 32'-3" CRAWLERS W/60" SHOES	900 HP D	2,002,941	300.48	98.44	92.69	52.09	20.66 6,670
	C85AM005	12220	23 TON DRAGLINE (ADD BUCKET) 140' BOOM, 32'-3" CRAWLERS W/60" SHOES	900 HP D	2,011,124	301.60	98.84	93.07	52.30	20.66 6,566
			MANITOWOC							
	C85MA003	4600 VICON #3	7.0 CY, DRAGLINE/CLAM (ADD BUCKET) 130' BOOM, 26'-1" CRAWLERS W/60" SHOES	685 HP D	1,492,321	224.29	73.34	69.06	38.81	15.73 5,100
			NORTHWEST							
	C85N0007	190-D	6.5 CY, DRAGLINE (ADD BUCKET) 85' BOOM, 21'-1" CRAWLERS W/60" SHOES	456 HP D	760,710	117.36	37.38	35.20	19.78	10.47 2,740
	.20		LIFTING							

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES		ADJUSTABLE OWNERSHIP		ELEMENTS	
					AVERAGE	STANDBY	DEPR	CFC	FUEL	CWT
C85			CRANES, MECHANICAL, CRAWLER MTD							
			*****.20 LIFTING							
			.21 0 THRU 25 TON							
			-----P & H/HARNISCHFEGER							
	C85PH006	320H	25 TON LIFTING CRANE WITH 50' BOOM 13'-7" CRAWLERS WITH 30" SHOES	93 HP D	172,697	27.48	10.13	11.07	4.59	1.68 610
			.22 26 TON THRU 50 TON							
			-----AMERICAN CRANE							
	C85AM006	4220	34 TON LIFTCRANE WITH 65' BOOM 15'-8" CRAWLERS WITH 32" SHOES	93 HP D	237,273	34.65	12.83	13.18	6.24	1.68 850
	C85AM007	5220	50 TON LIFTCRANE WITH 65' BOOM 16'-0" CRAWLERS WITH 36" SHOES	125 HP D	327,557	47.74	17.71	18.19	8.61	2.26 980
			-----LINK BELT							
	C85LB001	LS-78C	27.5 TON LIFTING CRANE W/40' BOOM 13'-7" CRAWLERS W/24" SHOES	100 HP D	220,348	32.46	11.91	12.24	5.79	1.80 640
	C85LB002	LS-98C	40 TON LIFTING CRANE W/50' BOOM 16'-9" CRAWLERS W/30" SHOES	120 HP D	272,875	40.11	14.76	15.15	7.18	2.16 830
	C85LB003	LS-108C	45 TON LIFTING CRANE W/50' BOOM 16'-9" CRAWLERS W/30" SHOES	120 HP D	284,908	41.76	15.40	15.82	7.49	2.16 850
	C85LB004	LS-110C	50 TON LIFTING CRANE W/50' BOOM 18'-5" CRAWLERS W/30" SHOES	120 HP D	338,654	49.16	18.32	18.81	8.91	2.16 1,100
			-----NORTHWEST							
	C85NO008	50-D/5030	30 TON LIFTING CRANE W/40' BOOM 15'-4" CRAWLERS W/30" SHOES	190 HP D	277,452	42.27	15.01	15.41	7.30	3.43 869
	C85NO009	50-D/5035	35 TON LIFTING CRANE W/50' BOOM 15'-4" CRAWLERS W/30" SHOES	190 HP D	279,722	42.58	15.13	15.53	7.36	3.43 872
	C85NO010	50-D/5050	50 TON LIFTING CRANE W/60' BOOM 15'-4" CRAWLERS W/30" SHOES	238 HP D	359,796	54.62	19.45	19.98	9.46	4.29 952

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
C85			CRANES, MECHANICAL, CRAWLER MTD							
	.23	51 TON THRU 150 TON								
			AMERICAN CRANE							
	C85AM008	5299A	60 TON LIFTCRANE WITH 75' BOOM 17'-6" CRAWLERS WITH 36" SHOES	125 HP D	378,095	49.96	18.58	17.50	9.83	2.26 1,160
	C85AM009	5300	70 TON LIFTCRANE WITH 160' BOOM 17'-6" CRAWLERS WITH 36" SHOES	125 HP D	430,708	56.53	21.17	19.93	11.20	2.26 1,290
	C85AM010	7225	85 TON LIFTCRANE WITH 160' BOOM 18'-7" CRAWLERS WITH 38" SHOES	213 HP D	556,978	74.22	27.37	25.78	14.48	3.84 1,480
	C85AM011	9225	150 TON LIFTCRANE WITH 190' BOOM 23'-9" CRAWLERS WITH 44" SHOES	279 HP D	788,367	104.55	38.74	36.48	20.50	5.03 2,750
			LINK BELT							
	C85LB005	LS-138H	75 TON LIFTING CRANE W/150' BOOM 19'-5" CRAWLERS W/36" SHOES	195 HP D	461,322	61.89	22.68	21.35	12.00	3.52 1,445
	C85LB006	LS-208H	75 TON LIFTING CRANE W/200' BOOM 19'-5" CRAWLERS W/36" SHOES	250 HP D	543,632	73.37	26.72	25.16	14.14	4.51 1,865
	C85LB007	LS-218H	100 TON LIFTING CRANE W/230' BOOM 21'-4" CRAWLERS W/36" SHOES	247 HP D	683,712	90.79	33.60	31.64	17.78	4.46 2,235
			MANITOWOC							
	C85MA004	3900 VICON	100 TON LIFTING CRANE W/210' BOOM 20'-4" CRAWLERS W/38" SHOES	287 HP D	621,057	83.85	30.52	28.74	16.15	5.18 2,354
	C85MA005	3900W VICON #2	140 TON LIFTING CRANE W/250' BOOM 24'-0" CRAWLERS W/48" SHOES	300 HP D	733,806	98.21	36.06	33.96	19.08	5.41 2,815
			NORTHWEST							
	C85NO011	70-D/7060	60 TON LIFTING CRANE W/50' BOOM 19'-0" CRAWLERS W/30" SHOES	238 HP D	500,471	67.70	24.59	23.16	13.01	4.29 1,403
	C85NO012	70-D/7080	80 TON LIFTING CRANE W/160' BOOM 19'-0" CRAWLERS W/30" SHOES	238 HP D	615,616	82.08	30.26	28.49	16.01	4.29 1,524
	C85NO013	95-D/9570-WT	60 TON LIFTING CRANE W/50' BOOM 19'-0" CRAWLERS W/38" SHOES	304 HP D	559,931	76.59	27.52	25.91	14.56	5.48 1,565
	C85NO014	190-D	100 TON LIFTING CRANE W/170' BOOM 21'-1" CRAWLERS W/60" SHOES	456 HP D	786,390	108.21	38.65	36.39	20.45	8.23 2,872

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE OWNERSHIP ELEMENTS		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
C85			CRANES, MECHANICAL, CRAWLER MTD							
	.23		51 TON THRU 150 TON							
			P & H/HARNISCHFEGER							
	C85PH007	C-65	65 TON LIFTING CRANE W/180' BOOM 18'-2" CRAWLERS WITH 30" SHOES	130 HP D	406,089	53.56	19.96	18.79	10.56	2.35 1,352
	C85PH008	5100	100 TON LIFTING CRANE W/210' BOOM 21'-6" CRAWLERS WITH 36" SHOES	188 HP D	672,645	88.11	33.06	31.13	17.49	3.39 1,880
	C85PH009	C-120	120 TON LIFTING CRANE W/230' BOOM 24'-0" CRAWLERS WITH 36" SHOES	260 HP D	667,933	89.10	32.83	30.91	17.37	4.69 2,340
	.24		OVER 150 TON							
			AMERICAN CRANE							
	C85AM012	9300	225 TON LIFTING CRANE W/280' BOOM 26'-6" CRAWLERS WITH 44" SHOES	297 HP D	962,870	122.52	44.93	40.10	24.88	5.36 3,790
	C85AM013	9320	250 TON LIFTING CRANE W/280' BOOM 28'-2" CRAWLERS WITH 50" SHOES	297 HP D	1,110,111	140.24	51.80	46.24	28.68	5.36 4,050
	C85AM014	10320	350 TON LIFTING CRANE W/280' BOOM 31'-4" CRAWLERS WITH 50" SHOES	519 HP D	1,660,603	211.43	77.48	69.16	42.90	9.36 5,510
	C85AM015	11320	450 TON LIFTING CRANE W/280' BOOM 33'-0" CRAWLERS WITH 60" SHOES	519 HP D	2,255,349	283.02	105.24	93.94	58.27	9.36 6,860
			LINK BELT							
	C85LB008	LS-918	400 TON LIFTING CRANE W/340' BOOM 34'-10" CRAWLERS W/60" SHOES	600 HP D	2,536,358	318.64	118.35	105.64	65.53	10.82 6,783
	C85LB009	LS-1018	500 TON LIFTING CRANE W/340' BOOM 38'-6" CRAWLERS W/60" SHOES	600 HP D	3,032,098	378.30	141.49	126.29	78.34	10.82 8,021
			HANITOWOC							
	C85MA006	4100W VICON #1	200 TON LIFTING CRANE W/260' BOOM 26'-6" CRAWLERS W/48" SHOES	360 HP D	1,020,948	130.91	47.64	42.52	26.38	6.49 3,929
	C85MA007	4600 VICON #3	240 TON LIFTING CRANE W/260' BOOM 26'-1" CRAWLERS W/60" SHOES	685 HP D	1,508,016	196.80	70.37	62.81	38.96	12.36 5,200
			P & H/HARNISCHFEGER							

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
C85			CRANES, MECHANICAL, CRAWLER MTD							
	.24		OVER 150 TON							
			P & H/HARNISCHFEGER							
	C85PH010	C-165	165 TON LIFTING CRANE W/270' BOOM 26'-3" CRAWLERS WITH 42" SHOES	260 HP D	902,210	114.39	42.10	37.58	23.31	4.69 3,333
	C85PH011	DELTA 5250	250 TON LIFTING CRANE W/290' BOOM 30'-5" CRAWLERS WITH 48" SHOES	328 HP D	1,182,438	149.63	55.18	49.25	30.55	5.92 4,373
C90			CRANES, MECHANICAL, TRUCK MTD							
	.01		UNDER 26 TON							
			-----							
	.02		26 TON THRU 65 TON							
			-----							
			LINK BELT (FMC)							
	C90LI001	HC78B	35 TON WITH 100' BOOM (WITH CARRIER ENGINE)	84 HP D 205 HP D	364,250	52.05	18.85	18.63	9.53	4.08 773
	C90LI002	HC108C	50 TON WITH 150' BOOM (WITH CARRIER ENGINE)	110 HP D 318 HP D	417,510	61.43	21.50	21.14	10.93	5.73 1,197
	.03		66 TON THRU 125 TON							
			-----							
			AMERICAN CRANE							
	C90AM001	5530	75 TON WITH 170' BOOM (WITH CARRIER ENGINE)	128 HP D 238 HP D	506,220	69.99	24.61	22.89	13.16	5.63 1,245
	C90AM002	7150	125 TON WITH 240' BOOM (WITH CARRIER ENGINE)	330 HP D 330 HP D	692,814	101.24	33.76	31.48	18.02	12.32 1,900
			LINK BELT (FMC)							
	C90LI003	HC218A	100 TON WITH 220' BOOM (WITH CARRIER ENGINE)	165 HP D 318 HP D	665,221	91.85	32.36	30.11	17.30	7.35 1,688

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES		ADJUSTABLE OWNERSHIP	ELEMENTS	FUEL	CWT
					AVERAGE	STANDBY				
C90			CRANES, MECHANICAL, TRUCK MTD							
	.04		OVER 125 TON							
			AMERICAN CRANE							
	C90AM003	8470	180 TON WITH 240' BOOM (WITH CARRIER ENGINE)	268 HP D	1,001,661	132.34	46.53	41.30	25.88	10.64 2,520
				350 HP D						
	C90AM004	9530	220 TON WITH 260' BOOM (WITH CARRIER ENGINE)	268 HP D	1,360,126	178.14	62.77	55.26	35.14	11.42 3,480
				450 HP D						
			LINK BELT (FMC)							
	C90LI004	HC238B	140 TON WITH 230' BOOM (WITH CARRIER ENGINE)	165 HP D	767,144	101.14	35.49	31.34	19.82	7.35 2,220
				318 HP D						
	C90LI005	HC268	250 TON WITH 310' BOOM (WITH CARRIER ENGINE)	314 HP D	1,179,088	157.16	54.56	48.20	30.46	12.70 2,852
				440 HP D						
			P & H/HARNISCHFEGER							
	C90PH001	9150	150 TON WITH 270' BOOM (WITH CARRIER ENGINE)	210 HP D	884,645	116.95	40.98	36.24	22.86	8.93 1,805
				350 HP D						
	C90PH002	6250TC	300 TON WITH 320' BOOM (WITH CARRIER ENGINE)	364 HP D	1,906,339	244.88	88.45	78.40	49.25	14.26 3,928
				450 HP D						
C95			CRANES, TOWER							
			AMERICAN PECCO							
	C95AP001	SK135-2	FREE STANDING, 7500# @ 132' R. (L2) TOWER SECTS=103 FT HIGH	110 HP E	328,451	50.46	15.98	14.18	8.89	3.22 740
			OPT. 14' 9 1/4" TOWER SECT (ADD TO SK135-2 CRANE FOR EA SECT)		14,329	1.76	0.70	0.62	0.39	0.00 51
	C95AP003	S16			53,169	6.53	2.59	2.30	1.44	0.00 118
	C95AP004	SK200	TOP CLIMBING OPT. (ADD TO SK135-2) FREE STANDING, 10600# @ 143' R. (L2)	160 HP E	494,219	72.99	24.04	21.33	13.37	4.68 883
			TOWER SECTS=103 FT HIGH							
	C95AP005	S16	OPT. 14' 9 1/4" TOWER SECT (ADD TO SK200 CRANE FOR EA SECT)		17,015	2.08	0.83	0.73	0.46	0.00 51
			TOP CLIMBING OPT. (ADD TO SK200)		63,390	7.78	3.08	2.74	1.71	0.00 118

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT			
					AVERAGE	STANDBY	DEPR	CFC					
C95	CRANES, TOWER												
	*****												
	AMERICAN PECCO												
	C95AP007	SK400	FREE STANDING, 18500# @ 162' R. (L2) TOWER SECTS=116 FT HIGH	173 HP E	653,990	93.18	31.81	28.23	17.69	5.06			
	C95AP008	S35	OPT. 19' 4 1/4" TOWER SECT (ADD TO SK400 CRANE FOR EA SECT)		23,118	2.84	1.13	1.00	0.63	0.00			
	C95AP009		TOP CLIMBING OPT. (ADD TO SK400)		70,339	8.64	3.42	3.04	1.90	0.00			
	C95AP010	SK560	FREE STANDING, 24500# @ 170' R. (L2) TOWER SECTS=116 FT HIGH	253 HP E	871,513	123.40	42.39	37.62	23.58	7.40			
	C95AP011	S213	OPT. 19' 4 1/4" TOWER SECT (ADD TO SK560 CRANE FOR EA SECT)		24,593	3.02	1.20	1.06	0.67	0.00			
	C95AP012		TOP CLIMBING OPT. (ADD TO SK560)		134,668	16.53	6.55	5.81	3.64	0.00			
	C95AP013	SN355	FREE STANDING, 12300# @ 165' R. (L2) TOWER SECTS=116' HIGH, W/LUFFING BOOM	221 HP E	859,258	120.48	41.79	37.09	23.24	6.46			
D10	C95AP014	S35	OPT. 19' 4 1/4" TOWER SECT (ADD TO SN355 CRANE FOR EA SECT)		23,118	2.84	1.13	1.00	0.63	0.00			
	C95AP015		TOP CLIMBING OPT. (ADD TO SN355)		141,629	17.38	6.89	6.11	3.83	0.00			
	DRILLS, AIR TRACK, CRAWLER MTD												
	*****												
	GARDNER DENVER												
	D10GD001	ATD3800S/PR55A	3.5" HOLE, 12' FEED (ADD COMPR)	600 CFM A	90,252	20.10	6.07	7.08	2.53	0.00			
	D10GD002	ATD3800SPR123JA	4.0" HOLE, 12' FEED (ADD COMPR)	750 CFM A	91,977	20.48	6.19	7.22	2.58	0.00			
	D10GD003	ATD3800S/PR66B	4.0" HOLE, 12' FEED (ADD COMPR)	900 CFM A	94,868	21.10	6.39	7.45	2.66	0.00			
	D10GD004	ATD3800T/PR55A	ANGLE DRILL, 3.5" HOLE, 20' FEED (ADD COMPRESSOR)	600 CFM A	98,201	21.87	6.62	7.71	2.76	0.00			
D10	D10GD005	ATD3800TPR123JA	ANGLE DRILL, 4.0" HOLE, 20' FEED (ADD COMPRESSOR)	750 CFM A	100,059	22.26	6.74	7.85	2.81	0.00			
	D10GD006	ATD3800T/PR66B	ANGLE DRILL, 4.0" HOLE, 20' FEED (ADD COMPRESSOR)	900 CFM A	102,865	22.86	6.93	8.07	2.89	0.00			
	D10GD007	SCH2500	HYDRAULIC DRILL, 12' CHAIN FEED	152 HP D	174,431	44.51	11.74	13.69	4.89	5.61			
	D10GD008	SCH3500BV1	HYDRAULIC DRILL, 12' CHAIN FEED	223 HP D	248,593	63.73	16.73	19.51	6.97	8.23			
INGERSOLL-RAND													

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
D10	DRILLS, AIR TRACK, CRAWLER MTD									
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INGERSOLL-RAND										
D10IN001	ECM360/EVL130HR	HYDRA DRILL 2.5-4.0" HOLE, 12' FEED	215 HP D	169,281	46.39	11.40	13.29	4.75	7.93	220
D10IN002	ECM350/VL671	3.0-4.0" HOLE 12' FEED (ADD COMPR)	900 CFM A	106,196	23.58	7.15	8.34	2.98	0.00	131
D10IN003	ECM350/VL140	2.5-4.0" HOLE 12' FEED (ADD COMPR)	750 CFM A	93,766	20.86	6.31	7.36	2.63	0.00	129
SULLIVAN										
D10SU001	MAVRICK, VCR350	2.5" HOLE, 12' FEED (ADD COMPR)	450 CFM A	36,835	8.37	2.48	2.89	1.03	0.00	60
D10SU002	RAM STD, VCR360	2.5"-4.0" HOLE, 12' FEED (ADD COMPR)	600 CFM A	105,906	23.46	7.13	8.31	2.97	0.00	149
D10SU003	RAM EXT, VCR361	3.0"-4.0" HOLE, 12' FEED (ADD COMPR)	850 CFM A	111,450	24.66	7.51	8.75	3.13	0.00	205
D10SU004	MUSTANG, VCR280	4.0"-5.5" HOLE, 20' FEED (ADD COMPR)	1200 CFM A	149,799	32.96	10.08	11.76	4.20	0.00	255
D15	DRILLS, BORING MACHINES									
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BOR-IT										
D15BI001	16	16" DIA. AUGER, 40-FT LONG W/DIRTHD	10 HP G	8,265	3.01	0.56	0.65	0.23	1.01	18
D15BI002	20	20" DIA. AUGER, 40-FT LONG W/DIRTHD	16 HP G	12,801	4.74	0.86	1.00	0.36	1.62	21
D15BI003	24	24" DIA. AUGER, 40-FT LONG W/DIRTHD	31 HP D	15,279	4.57	1.03	1.20	0.43	1.14	49
D15BI004	30	30" DIA. AUGER, 40-FT LONG W/DIRTHD	45 HP D	30,938	8.41	2.09	2.43	0.87	1.66	70
D15BI005	36	36" DIA. AUGER, 40-FT LONG W/DIRTHD	65 HP D	41,085	11.43	2.77	3.23	1.15	2.40	90
D15BI006	48	48" DIA. AUGER, 40-FT LONG W/DIRTHD	90 HP D	64,739	17.42	4.36	5.08	1.82	3.32	170
D15BI007	60	60" DIA. AUGER, 40-FT LONG W/DIRTHD	110 HP D	85,023	22.49	5.73	6.67	2.39	4.06	250
D20	DRILLS, CORE, COLUMN MOUNTED									
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ACKER DRILL										
D20AD001	610-E	4" DIA. MAX CORE HOLE	1 HP E	2,315	0.82	0.19	0.23	0.07	0.04	1
D20AD002	930-E	9" DIA. MAX CORE HOLE	2 HP E	2,859	1.04	0.22	0.28	0.08	0.07	2
D20AD003	1050-E	10" DIA. MAX CORE HOLE	3 HP E	4,571	1.56	0.36	0.45	0.13	0.11	3
D20AD004	1080-E	10" DIA. MAX CORE HOLE	11 HP E	10,456	4.09	0.82	1.03	0.30	0.40	6

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE OWNERSHIP ELEMENTS		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CPC		
D20			DRILLS, CORE, COLUMN MOUNTED							
			LONGYEAR							
	D20LY001	752/E4-230	DRILL, WITH E4-230 MOTOR (110V)	3 HP E	4,414	1.72	0.35	0.43	0.13	0.11
	D20LY002	42N/A4-350	DRILL, W/A4-350 MOTOR, (ADD COMPR)	185 CFM A	4,704	1.74	0.37	0.46	0.14	0.00
D25			DRILLS, CORE, SKID MOUNTED							
			ACKER DRILL							
	D25AD001	ACE, MODEL C	NX, 400' MAX DRILL DEPTH	20 HP D	28,195	6.95	1.90	2.21	0.79	0.74
	D25AD002	TEREDO MARK-II	NX, 1000' MAX DRILL DEPTH	48 HP D	38,237	10.38	2.57	3.00	1.07	1.77
	D25AD003	BUSH MASTER	NX, 900' MAX DRILL DEPTH	52 HP D	51,888	13.49	3.50	4.07	1.46	1.92
			SPRAGUE AND HENWOOD							
	D25SP001	37	NWG-NWM, 400' MAX	30 HP G	18,170	7.42	1.23	1.43	0.51	3.04
	D25SP002	37-H	NWG-NWM, 500' MAX	23 HP G	19,622	6.90	1.32	1.54	0.55	2.33
	D25SP003	40-CL	NWX, 1050' MAX, MECHANICAL	40 HP G	29,282	10.97	1.97	2.30	0.82	4.05
	D25SP004	40-CLH	NWX, 1050' MAX, HYDRAULIC	46 HP G	32,374	12.34	2.18	2.54	0.91	4.66
	D25SP005	142-HD	NWXL, 2500' MAX	91 HP G	42,021	19.68	2.83	3.30	1.18	9.21
	D25SP006	20 MF	AWG/AWM 180' MAX, WITH TRAILER	35 HP D	24,610	6.87	1.65	1.91	0.69	1.29
	D25SP007	20 MH	NWG/NWM 140' MAX, WITH TRAILER	47 HP D	30,402	8.67	2.04	2.37	0.85	1.73
D30			DRILLS, EARTH/AUGER							
			HYDRAULIC POWER SYSTEMS							
	D30HD001	H-15	HYDRAULIC AUGER W/60'- 8"X21" LEADS 15,000 FT-LBS TORQUE, (ADD CRANE)	210 HP D	67,616	26.40	4.56	5.31	1.90	7.75
	D30HD002	H-35VT	HYDRAULIC AUGER W/60'- 8"X26" LEADS 33,000 FT-LBS TORQUE, (ADD CRANE)	270 HP D	118,200	41.06	7.96	9.28	3.32	9.96
	D30HD003	H-50VT	HYDRAULIC AUGER W/60'-10"X37" LEADS 50,000 FT-LBS TORQUE, (ADD CRANE)	335 HP D	135,329	48.79	9.11	10.62	3.80	12.36

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**TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (AVERAGE CONDITIONS)**

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE OWNERSHIP ELEMENTS		FUEL	CWT	
					AVERAGE	STANDBY	DEPR	CFC			
D35			DRILLS, ROTARY BLAST HOLE								
	.11		0" THRU 11" DIA. HOLE								
			INGERSOLL-RAND								
	D35IN002	T4-BH	7-7/8" DRILLMASTER, TRUCK MOUNTED (WITH CARRIER ENGINE)	530 HP D	478,260	107.23	26.34	26.55	13.06	21.43	550
	D35IN003	TH-60	16" WATER WELL DRILL, TRUCK MOUNTED	475 HP D	368,269	84.00	20.27	20.43	10.05	17.53	460
			ROBBINS								
	D35R0001	RRT 35	6-1/4" TO 8-0" HOLE, TRUCK MOUNTED	400 HP D	324,248	73.20	17.82	17.93	8.85	14.76	600
	D35R0002	RRT 60	6-3/4" TO 9-7/8" HOLE, TRUCK MOUNTED (WITH CARRIER ENGINE)	350 HP D	484,569	99.50	26.59	26.72	13.23	14.67	1,000
	D35R0003	RR10S	6-3/4" TO 9" HOLE, MTD ON D9N CRWLR	370 HP D	394,852	82.08	21.85	22.14	10.78	13.65	1,160
	D35R0004	RR10HD	6-3/4" TO 10 5/8" HOLE, MTD ON D9N	370 HP D	441,627	89.57	24.44	24.76	12.06	13.65	1,340
	D35R0005	RRC 50	6-1/4" TO 9-7/8" HOLE, CRAWLER MTD	400 HP D	371,170	79.81	20.54	20.81	10.13	14.76	1,030
	.12		OVER 11" DIAM.								
			ROBBINS								
	D35R0006	RR10XHD	9-7/8" TO 12-1/4" HOLE, MTD ON FD50	525 HP D	649,750	110.18	31.64	28.34	17.47	19.37	1,830
	.20		ELECTRIC								
	.21		0" THRU 11" DIA. HOLE								
	.22		OVER 11" DIAM.								
F10			FORK LIFTS								
			*****								

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT	
					AVERAGE	STANDBY	DEPR	CFC			
F10	FORK LIFTS										
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CATERPILLAR											
3-46	F10CA001	M25D	2500# @ 24" LOAD CENTER	18 HP E	21,833	4.88	1.45	1.68	0.61	0.53	65
	F10CA002	MC30D	3000# @ 24" LOAD CENTER	18 HP E	22,417	5.01	1.49	1.71	0.63	0.53	65
	F10CA003	MC40D	4000# @ 24" LOAD CENTER	32 HP E	24,434	5.98	1.62	1.86	0.69	0.94	71
	F10CA004	M50D	5000# @ 24" LOAD CENTER	32 HP E	27,443	6.54	1.82	2.10	0.77	0.94	95
	F10CA005	MC60D-SA	6000# @ 24" LOAD CENTER	47 HP E	32,290	8.08	2.15	2.48	0.91	1.37	105
	F10CA006	M70B	7000# @ 24" LOAD CENTER	53 HP E	39,332	9.67	2.62	3.01	1.11	1.55	134
	F10CA007	M80B	8000# @ 24" LOAD CENTER	53 HP E	41,140	10.00	2.74	3.16	1.16	1.55	142
	F10CA008	M100B	10000# @ 24" LOAD CENTER	53 HP E	42,931	10.33	2.87	3.32	1.21	1.55	160
	F10CA009	V30D	3000# @ 24" LOAD CENTER	37 HP G	20,595	7.63	1.38	1.60	0.58	3.02	61
	F10CA010	V40D	4000# @ 24" LOAD CENTER	48 HP G	23,536	9.30	1.55	1.78	0.66	3.92	88
	F10CA011	V50D	5000# @ 24" LOAD CENTER	48 HP G	25,169	9.66	1.64	1.86	0.71	3.92	95
	F10CA012	V60E	6000# @ 24" LOAD CENTER	63 HP G	36,512	13.29	2.42	2.78	1.03	5.15	117
	F10CA013	V70E	7000# @ 24" LOAD CENTER	63 HP G	36,876	13.36	2.45	2.81	1.04	5.15	125
	F10CA014	V80E	8000# @ 24" LOAD CENTER	63 HP G	38,365	13.64	2.55	2.93	1.08	5.15	131
	F10CA015	V110	11000# @ 24" LOAD CENTER	66 HP D	54,653	12.74	3.62	4.16	1.54	1.95	180
	F10CA016	V150	15000# @ 24" LOAD CENTER	70 HP D	58,862	13.67	3.90	4.49	1.65	2.07	201
	F10CA017	V180B	18000# @ 24" LOAD CENTER	125 HP D	77,247	19.23	5.06	5.78	2.17	3.69	250
	F10CA018	V200B	20000# @ 24" LOAD CENTER	125 HP D	84,328	20.55	5.54	6.33	2.37	3.69	273
	F10CA019	V250B	25000# @ 24" LOAD CENTER	125 HP D	91,035	21.82	6.00	6.87	2.56	3.69	342
	F10CA020	V300B	30000# @ 24" LOAD CENTER	125 HP D	94,638	22.53	6.20	7.07	2.66	3.69	372
	F10CA021	R40	4000# @ 24" LOAD CNTR ROUGH TERRAIN	68 HP D	36,568	9.42	2.40	2.74	1.03	2.01	107
	F10CA022	R50	5000# @ 24" LOAD CNTR ROUGH TERRAIN	68 HP D	37,324	9.56	2.45	2.80	1.05	2.01	112
	F10CA023	R60	6000# @ 24" LOAD CNTR ROUGH TERRAIN	68 HP D	44,610	10.93	2.94	3.38	1.25	2.01	127
	F10CA024	R80	8000# @ 24" LOAD CNTR ROUGH TERRAIN	68 HP D	46,245	11.30	3.00	3.40	1.30	2.01	138
HYSTER											
3-46	F10HY001	H30XL	3000# CAPACITY @ 24" LOAD CENTER	46 HP G	20,125	8.48	1.32	1.50	0.57	3.76	58
	F10HY002	H60XL	6000# CAPACITY @ 24" LOAD CENTER	63 HP G	27,392	11.58	1.81	2.07	0.77	5.15	91
	F10HY003	H110XL	11000# CAPACITY @ 24" LOAD CENTER	94 HP G	44,615	17.94	2.95	3.40	1.25	7.68	147
	F10HY004	H155XL	15500# CAPACITY @ 24" LOAD CENTER	94 HP G	55,879	20.10	3.68	4.21	1.57	7.68	190
	F10HY005	H210XL	21000# CAP @ 24" LOAD CENTER, PS	127 HP D	71,372	18.21	4.67	5.31	2.01	3.75	291
	F10HY006	H250XL	25000# CAP @ 24" LOAD CENTER, PS	127 HP D	84,292	20.67	5.51	6.28	2.37	3.75	316
	F10HY007	H300XL	30000# CAP @ 24" LOAD CENTER, PS	127 HP D	85,898	20.90	5.66	6.49	2.41	3.75	367
	F10HY008	H470CS	47000# CAP @ 48" LOAD CENTER, PS	194 HP D	172,499	39.78	11.34	12.98	4.85	5.73	636

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE OWNERSHIP ELEMENTS		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
G10	GENERATOR SETS									
	.10 PORTABLE									
		HOMELITE								
	G10H0001	HG2500A	2.3 KW	5 HP G	829	0.69	0.07	0.09	0.02	0.41
	G10H0002	HG3500	3.0 KW	7 HP G	1,085	0.94	0.09	0.11	0.03	0.57
	G10H0003	EH5500HD	5.0 KW	11 HP E	961	0.53	0.08	0.10	0.03	0.32
	G10H0004	180R162	5.5 KW	11 HP G	2,115	1.57	0.17	0.22	0.06	0.90
		KOHLER								
	G10KH001	2.25MBM25	2.25 KW	5 HP G	820	0.69	0.07	0.09	0.02	0.41
	G10KH002	3.5MM65	3.50 KW	8 HP G	976	1.02	0.08	0.10	0.03	0.65
	G10KH003	5MM65	5.00 KW	11 HP G	1,261	1.39	0.11	0.13	0.04	0.90
		ONAN								
	G10ON001	2.5LK-3M	2.5 KW, 120/240V	5 HP G	2,759	1.10	0.23	0.29	0.08	0.41
	G10ON002	4.0CCK-3CP	4.0 KW, 120/240V	10 HP G	3,539	1.77	0.29	0.37	0.10	0.82
	G10ON003	5.0CCK-3CP	5.0 KW, 120/240V	10 HP G	4,050	1.88	0.33	0.43	0.11	0.82
	G10ON004	10.0CCKB-3CP	10.0 KW, 120/240V	20 HP G	4,680	3.01	0.38	0.49	0.13	1.63
	.20 SKID MOUNTED									
		CATERPILLAR								
	G10CA001	3304H-T	100 KW, 240/480V	156 HP D	19,521	9.35	1.35	1.64	0.53	4.61
	G10CA002	3306B-T	165 KW, 240/480V	241 HP D	24,398	13.35	1.69	2.05	0.66	7.11
	G10CA003	3306B-TA	180 KW, 240/480V	269 HP D	24,823	14.47	1.72	2.09	0.67	7.94
	G10CA004	3406B-T	225 KW, 240/480V	332 HP D	27,668	17.29	1.91	2.32	0.75	9.80
	G10CA005	3406B-TA	250 KW, 240/480V	368 HP D	29,856	19.02	2.07	2.51	0.81	10.86
	G10CA006	3408B-TA	365 KW, 240/480V	530 HP D	48,787	28.47	3.37	4.10	1.32	15.65
	G10CA007	3412-T	425 KW, 240/480V	615 HP D	55,512	32.82	3.83	4.66	1.50	18.15
	G10CA008	3412-TA	545 KW, 240/480V	784 HP D	73,990	42.44	5.11	6.22	2.00	23.14
	G10CA009	3508	650 KW, 240/480V	932 HP D	97,851	52.30	6.76	8.22	2.65	27.51
	G10CA010	3512	910 KW, 240/480V	1299 HP D	127,847	71.31	8.83	10.74	3.46	38.35
	G10CA011	3516	1275 KW, 240/480V	1814 HP D	192,160	102.12	13.28	16.14	5.21	53.55

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE OWNERSHIP ELEMENTS		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
G10	GENERATOR SETS									
	.20	SKID MOUNTED								
		ONAN								
	G100N005	6.5NH-3CR	6.5 KW, 120/240V	14 HP G	8,045	2.91	0.56	0.68	0.22	1.14
	G100N006	7.5JB-3CR	7.5 KW, 120/240V	15 HP G	8,583	3.11	0.59	0.72	0.23	1.23
	G100N007	7.5DKD-3CE	7.5 KW, 120/240V	15 HP D	9,930	2.39	0.69	0.83	0.27	0.44
	G100N008	3.0DJA-3CR	3.0 KW, 120/240V	6 HP D	8,348	1.77	0.58	0.70	0.23	0.18
	G100N009	6.0DJE-18R	6.0 KW, RECONNECTIBLE	12 HP D	9,909	2.28	0.69	0.83	0.27	0.35
	G100N010	12.0DJC-3CR	12.0 KW, 120/240V	22 HP D	13,281	3.28	0.92	1.12	0.36	0.65
	G100N011	15RDJC	15.0 KW, DUAL PHASE	27 HP D	13,867	3.57	0.96	1.16	0.38	0.80
	G100N012	20DL4-15R	20.0 KW, RECONNECTIBLE	33 HP D	15,037	3.99	1.04	1.26	0.41	0.97
	G100N013	30DDL6-15R	30.0 KW, RECONNECTIBLE	50 HP D	16,175	4.84	1.12	1.36	0.44	1.48
	G100N014	40DL6T-15R	40.0 KW, RECONNECTIBLE	65 HP D	17,135	5.56	1.18	1.44	0.46	1.92
	G100N015	50DL6B-15R	50.0 KW, RECONNECTIBLE	87 HP D	19,175	6.75	1.33	1.61	0.52	2.57
	G100N016	60DVB-15R	60.0 KW, RECONNECTIBLE	118 HP D	19,993	8.04	1.38	1.68	0.54	3.48
	G100N017	75DVB-15R	75.0 KW, RECONNECTIBLE	118 HP D	22,445	8.50	1.56	1.89	0.61	3.48
	G100N018	100DVC-15R	100.0 KW, RECONNECTIBLE	155 HP D	24,789	10.28	1.71	2.08	0.67	4.58
	G100N019	125DVD-15R	125.0 KW, RECONNECTIBLE	191 HP D	27,687	12.14	1.92	2.33	0.75	5.64
	G100N020	150DVE-15R	150.0 KW, RECONNECTIBLE	227 HP D	31,021	14.08	2.15	2.61	0.84	6.70
G15	GRADERS, MOTOR									
		CATERPILLAR								
	G15CA001	120-G	ARTICULATED FRAME, POWERSHIFT	125 HP D	120,148	23.07	7.00	7.13	3.43	3.38
	G15CA002	130-G	ARTICULATED FRAME, POWERSHIFT	135 HP D	136,697	25.91	7.98	8.16	3.90	3.65
	G15CA003	12-G	ARTICULATED FRAME, POWERSHIFT	135 HP D	148,950	27.79	8.69	8.88	4.25	3.65
	G15CA004	140-G	ARTICULATED FRAME, POWERSHIFT	150 HP D	149,950	28.57	8.73	8.90	4.28	4.06
	G15CA005	14-G	ARTICULATED FRAME, POWERSHIFT	200 HP D	225,424	42.22	13.06	13.23	6.44	5.41
	G15CA006	16-G	ARTICULATED FRAME, POWERSHIFT	275 HP D	327,558	60.86	18.94	19.17	9.35	7.44
		CHAMPION								
	G15CH001	710A	ARTICULATED FRAME	135 HP D	117,970	23.15	6.85	6.96	3.37	3.65
	G15CH002	720A	ARTICULATED FRAME	153 HP D	129,998	25.62	7.57	7.71	3.71	4.14
	G15CH003	730A	ARTICULATED FRAME	187 HP D	140,612	28.50	8.18	8.32	4.02	5.06
	G15CH004	740A	ARTICULATED FRAME	210 HP D	151,904	31.04	8.85	9.01	4.34	5.68

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE OWNERSHIP ELEMENTS		FUEL	CWT	
					AVERAGE	STANDBY	DEPR	CFC			
G15			GRADERS, MOTOR								
			*****								
			CHAMPION								
	G15CH005	750A	ARTICULATED FRAME	200 HP D	167,290	33.40	9.62	9.68	4.78	5.41	388
	G15CH006	780A	ARTICULATED FRAME	200 HP D	186,522	36.31	10.76	10.85	5.33	5.41	421
	G15CH007	710	RIGID FRAME	135 HP D	111,401	22.13	6.47	6.57	3.18	3.65	283
	G15CH008	720	RIGID FRAME	153 HP D	119,365	24.01	6.94	7.06	3.41	4.14	318
	G15CH009	730	RIGID FRAME	187 HP D	128,831	26.71	7.48	7.60	3.68	5.06	338
	G15CH010	740	RIGID FRAME	210 HP D	143,282	29.73	8.33	8.48	4.09	5.68	361
	G15CH011	750	RIGID FRAME	200 HP D	158,667	32.08	9.11	9.15	4.53	5.41	388
	G15CH012	780	RIGID FRAME	200 HP D	177,898	35.01	10.25	10.33	5.08	5.41	421
			FIATALLIS								
	G15FI001	FG75A	ARTICULATED FRAME, POWERSHIFT	135 HP D	116,314	22.84	6.77	6.89	3.32	3.65	317
	G15FI002	FG85A	ARTICULATED FRAME, POWERSHIFT	155 HP D	123,232	24.70	7.16	7.27	3.52	4.19	320
	G15FI003	FG95A	ARTICULATED FRAME, POWERSHIFT	165 HP D	130,504	26.29	7.54	7.61	3.73	4.46	332
	G15FI004	65B	RIGID FRAME, POWERSHIFT	68 HP D	72,464	13.77	4.18	4.21	2.07	1.84	137
	G15FI005	FG75	RIGID FRAME, POWERSHIFT /TC	135 HP D	108,447	21.65	6.31	6.41	3.10	3.65	309
	G15FI006	FG85	RIGID FRAME, POWERSHIFT /TC	155 HP D	114,396	23.35	6.64	6.73	3.27	4.19	313
	G15FI007	FG95	RIGID FRAME, POWERSHIFT/TC	165 HP D	122,685	25.10	7.07	7.13	3.50	4.46	325
			GALION/DRESSER								
	G15GI001	450E	ARTICULATED FRAME, POWERSHIFT	144 HP D	126,535	24.73	7.37	7.52	3.61	3.90	278
	G15GI002	830	ARTICULATED FRAME, POWERSHIFT	144 HP D	130,344	25.30	7.60	7.75	3.72	3.90	278
	G15GI003	A500E	ARTICULATED FRAME, POWERSHIFT	166 HP D	132,375	26.48	7.70	7.83	3.78	4.49	297
	G15GI004	850	ARTICULATED FRAME, POWERSHIFT	166 HP D	140,010	27.63	8.15	8.29	4.00	4.49	301
	G15GI005	A550	ARTICULATED FRAME, POWERSHIFT	166 HP D	148,480	28.92	8.65	8.81	4.24	4.49	324
	G15GI006	870	ARTICULATED FRAME, POWERSHIFT	204 HP D	151,729	30.79	8.84	9.01	4.33	5.52	324
	G15GI007	A566E	ARTICULATED FRAME, POWERSHIFT	177 HP D	159,268	30.96	9.29	9.47	4.55	4.79	327
	G15GI008	A600	ARTICULATED FRAME, POWERSHIFT	204 HP D	156,940	31.59	9.14	9.32	4.48	5.52	335
	G15GI009	A606	ARTICULATED FRAME, POWERSHIFT	204 HP D	175,144	34.36	10.22	10.43	5.00	5.52	341
			INTERNATIONAL/DRESSER								
	G15ID001	A450E	ARTICULATED FRAME, ALL WHEEL DRIVE	144 HP D	120,339	23.79	7.01	7.14	3.44	3.90	281
	G15ID002	830	ARTICULATED FRAME, ALL WHEEL DRIVE	144 HP D	130,588	25.41	7.59	7.72	3.73	3.90	287
	G15ID003	850	ARTICULATED FRAME, ALL WHEEL DRIVE	166 HP D	140,218	27.66	8.16	8.31	4.00	4.49	310

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE OWNERSHIP ELEMENTS		FUEL	CWT							
					AVERAGE	STANDBY	DEPR	CFC									
G15	GRADERS, MOTOR																
*****																	
INTERNATIONAL/DRESSER																	
	G15ID004	870	ARTICULATED FRAME, ALL WHEEL DRIVE	204 HP D	151,926	30.82	8.85	9.02	4.34	5.52							
	JOHN DEERE																
	G15JD001	570B	ARTICULATED FRAME, POWER SHIFT	90 HP D	90,382	17.26	5.25	5.33	2.58	2.44							
	G15JD002	670B	ARTICULATED FRAME, POWER SHIFT	135 HP D	113,671	22.42	6.63	6.75	3.25	3.65							
	G15JD003	672B	ARTICULATED FRAME, POWER SHIFT	135 HP D	135,107	25.67	7.89	8.06	3.86	3.65							
	G15JD004	770B	ARTICULATED FRAME, POWER SHIFT	155 HP D	129,547	25.62	7.54	7.68	3.70	4.19							
	G15JD005	772B	ARTICULATED FRAME, POWER SHIFT	155 HP D	148,984	28.57	8.69	8.87	4.25	4.19							
KOMATSU																	
	G15KM001	GD 515A-1	ARTICULATED FRAME	125 HP D	144,606	26.76	8.45	8.64	4.13	3.38							
	G15KM002	GD 615A-1	ARTICULATED FRAME	140 HP D	160,704	29.85	9.37	9.55	4.59	3.79							
	G15KM003	GD 625A-1C	ARTICULATED FRAME	155 HP D	173,321	32.30	10.11	10.32	4.95	4.19							
	G15KM004	GD 725A-1	ARTICULATED FRAME	200 HP D	233,136	43.39	13.51	13.70	6.66	5.41							
	G15KM005	GD 825A-1	ARTICULATED FRAME	280 HP D	326,463	60.88	18.87	19.10	9.32	7.58							
MITSUBISHI																	
	G15MI001	MG100	ARTICULATED FRAME, POWERSHIFT	76 HP D	90,716	16.72	5.29	5.40	2.59	2.06							
	G15MI002	MG150	ARTICULATED FRAME, POWERSHIFT	91 HP D	98,432	18.42	5.75	5.87	2.81	2.46							
	G15MI003	MG400	ARTICULATED FRAME, POWERSHIFT	150 HP D	132,568	25.76	7.76	7.94	3.79	4.06							
	G15MI004	MG500	ARTICULATED FRAME, POWERSHIFT	174 HP D	146,075	28.71	8.54	8.74	4.17	4.71							
H20	HOIST																
*****																	
	BEEBE																
	H20BE001	FA1	AIR TUGGER, 1 TON (ADD COMPRESSOR)	390 CFM A	11,823	2.60	0.86	1.03	0.34	0.00							
	H20BE002	FA2.5	AIR TUGGER, 2.5 TON (ADD COMPRESSOR)	700 CFM A	15,620	3.50	1.12	1.36	0.44	0.00							
	H20BE003	FA5	AIR TUGGER, 5 TON (ADD COMPRESSOR)	700 CFM A	19,977	4.53	1.44	1.74	0.57	0.00							
	H20BE004	FA10	AIR TUGGER, 10 TON (ADD COMPRESSOR)	800 CFM A	35,616	7.93	2.56	3.10	1.01	0.00							

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE OWNERSHIP ELEMENTS		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
H20	HOIST									
	SKAGIT									
	H20SK001	BU-18	DOUBLE DRUM WITH 5/8" CABLE	100 HP D	87,476	22.15	6.29	7.62	2.48	2.95
	H20SK002	G-70	DOUBLE DRUM WITH 7/8" CABLE	100 HP D	118,311	28.67	8.52	10.31	3.36	2.95
	H20SK003	RB-80	DOUBLE DRUM WITH 1-1/8" CABLE	130 HP D	182,411	43.32	13.13	15.89	5.18	3.84
	H20SK004	RB-90W	DOUBLE DRUM WITH 1-3/8" CABLE	150 HP D	202,952	48.39	14.60	17.68	5.76	4.43
H25	HYDRAULIC EXCAVATORS, CRAWLER MTD									
	.10	DIESEL or GASOLINE								
	.11	0 THRU 1 CY								
	AKERMAN									
	H25AK001	H3B	.50 CY BUCKET	67 HP D	120,423	28.34	9.09	11.03	3.57	1.81
	H25AK002	H7C	.90 CY BUCKET	145 HP D	170,634	42.02	12.87	15.63	5.05	3.92
	BADGER									
	H25BA001	300	.50 CY BUCKET, HYDRO-SCOPIC	85 HP D	142,379	33.73	10.75	13.05	4.22	2.30
	H25BA002	888	1.00 CY BUCKET, HYDRO-SCOPIC	160 HP D	226,955	54.68	17.12	20.79	6.72	4.33
	CATERPILLAR									
	H25CA001	205LC	.50 CY BUCKET, LONG CARRIAGE	71 HP D	91,746	22.35	6.93	8.41	2.72	1.92
	H25CA002	211LC	.68 CY BUCKET, LONG CARRIAGE	94 HP D	118,325	28.90	8.92	10.84	3.50	2.54
	H25CA003	213BLC	.91 CY BUCKET, LONG CARRIAGE	110 HP D	138,582	33.85	10.45	12.70	4.10	2.98
	H25CA004	215CLC	1.00 CY BUCKET, LONG CARRIAGE	115 HP D	149,978	36.47	11.31	13.74	4.44	3.11
	CASE									
	H25CS001	880D	.48 CY BUCKET	114 HP D	92,646	24.13	6.99	8.49	2.74	3.08
	H25CS002	888	.75 CY BUCKET	128 HP D	102,763	26.84	7.75	9.42	3.04	3.46
	H25CS003	1080B	1.00 CY BUCKET	153 HP D	115,753	30.56	8.74	10.61	3.43	4.14

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP			CWT				
					AVERAGE	STANDBY	DEPR	CFC	FUEL					
H25	<b>HYDRAULIC EXCAVATORS, CRAWLER MTD</b>													
	*****													
	.11	0 THRU 1 CY												
	FIATALLIS													
	H25FI001	FE20LC	.88 CY BUCKET	105 HP D	156,051	37.41	11.77	14.30	4.62	2.84	440			
	GRADALL													
	H25GA001	G-660E	.62 CY BUCKET	162 HP D	182,368	45.19	13.76	16.71	5.40	4.38	409			
	H25GA002	G-880C	1.00 CY BUCKET	145 HP D	222,279	53.12	16.77	20.37	6.58	3.92	494			
	HITACHI													
	H25HI001	EX100	.28 CY BUCKET	72 HP D	101,116	24.38	7.62	9.26	2.99	1.95	240			
	H25HI002	EX100WD	.40 CY BUCKET	108 HP D	139,670	34.01	10.54	12.80	4.14	2.92	240			
	H25HI003	EX150	.68 CY BUCKET	91 HP D	122,029	29.58	9.20	11.18	3.61	2.46	320			
	H25HI004	EX200	.67 CY BUCKET	119 HP D	152,222	37.11	11.49	13.95	4.51	3.22	408			
	H25HI005	EX200LC	.74 CY BUCKET	119 HP D	165,447	39.95	12.48	15.16	4.90	3.22	434			
	INSLEY													
	H25IS001	H-600C	.88 CY BUCKET	135 HP D	120,497	30.90	9.09	11.04	3.57	3.65	385			
	H25IS002	H-800C	.88 CY BUCKET	160 HP D	145,508	37.21	10.98	13.33	4.31	4.33	440			
	JOHN DEERE													
	H25JD001	15	.05 CY BUCKET	15 HP D	22,765	5.45	1.72	2.09	0.67	0.41	29			
	H25JD002	25	.10 CY BUCKET	23 HP D	33,409	8.03	2.52	3.06	0.99	0.62	64			
	H25JD003	50	.16 CY BUCKET	39 HP D	48,140	11.80	3.64	4.41	1.43	1.06	93			
	H25JD004	70D	.31 CY BUCKET	55 HP D	62,234	15.41	4.69	5.70	1.84	1.49	140			
	H25JD005	490D	.50 CY BUCKET	75 HP D	91,839	22.51	6.93	8.41	2.72	2.03	265			
	H25JD006	590D	.625 CY BUCKET	95 HP D	114,186	28.05	8.61	10.46	3.38	2.57	332			
	H25JD007	690D	.880 CY BUCKET	125 HP D	121,544	30.76	9.17	11.14	3.60	3.38	397			
	H25JD008	790D	1.00 CY BUCKET	155 HP D	160,887	40.30	12.13	14.74	4.76	4.19	501			
	KOMATSU													
	H25KM001	PC 120-3	.65 CY BUCKET	82 HP D	109,621	26.59	8.27	10.04	3.25	2.22	256			
	H25KM002	PC 150-3	.90 CY BUCKET	99 HP D	119,432	29.33	9.01	10.94	3.54	2.68	322			

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
H25			HYDRAULIC EXCAVATORS, CRAWLER MTD							
	.11	0 THRU 1 CY	KOEHRING							
	H25KO001	6608	.340 CY BUCKET	51 HP D	72,115	17.38	5.45	6.61	2.14	1.38
	H25KO002	6612	.660 CY BUCKET	87 HP D	92,337	23.05	6.96	8.46	2.73	2.35
			MDI/YUTANI							
	H25MD001	MD140BLC	.50 CY BUCKET	84 HP D	105,064	25.68	7.93	9.63	3.11	2.27
	H25MD002	MD200BLC	1.00 CY BUCKET	123 HP D	159,424	38.81	12.03	14.61	4.72	3.33
	.12	OVER 1 CY THRU 2-1/2 CY	AKERMAN							
	H25AK003	H10BLC	1.40 CY BUCKET	166 HP D	189,772	42.67	12.79	14.94	5.32	4.49
	H25AK004	H14B	1.60 CY BUCKET	209 HP D	216,741	49.45	14.60	17.06	6.07	5.66
	H25AK005	H16D	2.35 CY BUCKET	262 HP D	355,632	78.10	23.96	27.99	9.96	7.09
			BADGER							
	H25BA003	311 HOPTO	1.88 CY BUCKET	235 HP D	265,582	59.80	17.89	20.90	7.44	6.36
	H25BA004	900B	2.50 CY BUCKET	308 HP D	319,170	72.82	21.50	25.12	8.94	8.33
			CATERPILLAR							
	H25CA005	219LC	1.13 CY BUCKET, LONG CARRIAGE	130 HP D	170,169	37.55	11.47	13.39	4.77	3.52
	H25CA006	225B	1.25 CY BUCKET	145 HP D	196,540	43.17	13.25	15.47	5.51	3.92
	H25CA007	235C	2.00 CY BUCKET	250 HP D	367,648	79.97	24.77	28.93	10.30	6.77
			FIATALLIS							
	H25FI002	FE28LC	1.50 CY BUCKET	152 HP D	208,285	45.68	14.03	16.39	5.83	4.11
	H25FI003	FE40L	2.00 CY BUCKET	243 HP D	329,472	72.38	22.20	25.93	9.23	6.58
			HITACHI							
	H25HI006	UH083	1.13 CY BUCKET	115 HP D	134,474	30.12	9.06	10.58	3.77	3.11

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT	
					AVERAGE	STANDBY	DEPR	CFC	FUEL		
H25			HYDRAULIC EXCAVATORS, CRAWLER MTD								
	.12		OVER 1 CY THRU 2-1/2 CY								
			HITACHI								
	H25HI007	UH123	1.50 CY BUCKET	157 HP D	201,394	44.55	13.57	15.85	5.64	4.25	573
	H25HI008	UH181	1.75 CY BUCKET	269 HP D	315,341	70.63	21.24	24.82	8.83	7.28	904
	H25HI009	EX270	1.34 CY BUCKET	161 HP D	228,137	49.84	15.37	17.95	6.39	4.36	573
	H25HI010	EX270LC	1.34 CY BUCKET, LONG CARRIAGE	161 HP D	235,014	51.17	15.83	18.50	6.58	4.36	622
	H25HI011	EX400	2.40 CY BUCKET	275 HP D	347,301	76.99	23.40	27.33	9.73	7.44	908
	H25HI012	EX400LC	2.40 CY BUCKET, LONG CARRIAGE	275 HP D	344,524	76.45	23.21	27.11	9.65	7.44	970
			INSLEY								
	H25IS003	H-1000C	1.25 CY BUCKET	175 HP D	171,122	39.41	11.53	13.47	4.79	4.74	549
	H25IS004	H-1500C	1.75 CY BUCKET	255 HP D	264,432	60.32	17.82	20.81	7.41	6.90	783
	H25IS005	H-2500C	2.25 CY BUCKET	300 HP D	317,588	72.21	21.40	24.99	8.90	8.12	955
			JOHN DEERE								
	H25JD009	792	1.50 CY BUCKET	180 HP D	182,326	41.75	12.29	14.35	5.11	4.87	625
	H25JD010	892D-LC	1.75 CY BUCKET, LONG CARRIAGE	195 HP D	195,682	44.88	13.18	15.40	5.48	5.28	673
	H25JD011	990	2.13 CY BUCKET	260 HP D	276,864	62.90	18.66	21.79	7.76	7.04	930
			KOMATSU								
	H25KM003	PC 200 LC-3	1.05 CY BUCKET, LONG CARRIAGE	118 HP D	151,464	33.50	10.20	11.92	4.24	3.19	423
	H25KM004	PC 220-3	1.31 CY BUCKET	148 HP D	177,586	39.64	11.96	13.98	4.97	4.00	492
	H25KM005	PC 300 LC-3	1.73 CY BUCKET, LONG CARRIAGE	197 HP D	241,775	53.81	16.29	19.03	6.77	5.33	679
			KOEHRING								
	H25KO003	6620	1.05 CY BUCKET	126 HP D	146,302	32.81	9.86	11.51	4.10	3.41	426
	H25KO004	6625 LC	1.20 CY BUCKET, LONG CARRIAGE	160 HP D	180,484	40.65	12.16	14.20	5.06	4.33	580
	H25KO005	6633	1.57 CY BUCKET	212 HP D	215,378	49.29	14.51	16.95	6.03	5.74	709
	H25KO006	6644	2.00 CY BUCKET	253 HP D	339,660	74.71	22.89	26.73	9.52	6.85	980
			MDI/YUTANI								
	H25MD003	MD240BLC	1.750 CY BUCKET, LONG CARRIAGE	153 HP D	195,190	43.21	13.15	15.36	5.47	4.14	522
	H25MD004	MD300LC	1.875 CY BUCKET, LONG CARRIAGE	184 HP D	233,689	51.77	15.75	18.39	6.55	4.98	690

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
H25			HYDRAULIC EXCAVATORS, CRAWLER MTD							
	.12		OVER 1 CY THRU 2-1/2 CY							
			MDI/YUTANI							
	H25MD005	MD320BLC	1.750 CY BUCKET, LONG CARRIAGE	227 HP D	240,688	54.70	16.21	18.94	6.74	6.14
	H25MD006	MD400LC	2.375 CY BUCKET, LONG CARRIAGE	247 HP D	338,164	74.18	22.78	26.61	9.47	6.68
	H25MD007	MD450BLC	2.370 CY BUCKET, LONG CARRIAGE	286 HP D	344,564	76.88	23.21	27.12	9.65	7.74
	.13		OVER 2-1/2 CY THRU 5 CY							
			AKERMAN							
	H25AK006	H25C	3.40 CY BUCKET	386 HP D	520,525	113.97	32.08	36.44	13.86	10.45
			BADGER							
	H25BA005	1900	4.50 CY BUCKET	616 HP D	666,927	150.03	41.10	46.68	17.76	16.67
			CATERPILLAR							
	H25CA008	245B	3.125 CY BUCKET	360 HP D	551,746	119.17	34.00	38.62	14.69	9.74
			HITACHI							
	H25HI013	UH261	3.38 CY BUCKET	476 HP D	543,554	121.42	33.51	38.05	14.48	12.88
			INSLEY							
	H25IS006	H-3500C	3.50 CY BUCKET	400 HP D	444,620	99.66	27.40	31.12	11.84	10.82
			KOMATSU							
	H25KM006	PC 650-3	3.70 CY BUCKET	404 HP D	628,805	135.63	38.76	44.02	16.75	10.93
			KOEHRING							
	H25KO007	1066	3.00 CY BUCKET	420 HP D	606,994	131.91	37.42	42.49	16.17	11.37
	.14		OVER 5 CY							

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR.)		ADJUSTABLE ELEMENTS			CWT
					AVERAGE	STANDBY	DEPR	CFC	FUEL	
H25			HYDRAULIC EXCAVATORS, CRAWLER MTD							
	.14		OVER 5 CY							
			HITACHI							
	H25HI014	UH501	.525 CY BUCKET	538 HP D	657,310	134.88	37.01	39.44	17.29	14.56 1,980
	H25HI015	EX1000	5.4 CY BUCKET	512 HP D	723,212	145.71	40.72	43.39	19.02	13.85 2,020
H30			HYDRAULIC EXCAVATORS, WHEEL MTD							
	.01		0 THRU 1 CY							
			AKERMAN							
	H30AK001	H7MC	.95 CY BUCKET, 4X4	145 HP D	178,180	40.43	13.80	17.37	5.11	4.28 322
			BADGER							
	H30BA001	300	.5 CY BUCKET, HYDRO-SCOPIC, 6X4 (WITH CARRIER ENGINE)	85 HP D 200 HP D	152,113	35.23	11.55	14.37	4.36	4.07 326
	H30BA002	888	1.0 CY BUCKET, HYDRO-SCOPIC, 6X4 (WITH CARRIER ENGINE)	160 HP D 230 HP D	250,972	57.62	19.39	24.37	7.20	6.52 518
			CATERPILLAR							
	H30CA001	206	.59 CY BUCKET	71 HP D	105,314	23.35	8.05	10.06	3.02	2.10 283
	H30CA002	212	.77 CY BUCKET	94 HP D	128,968	28.88	9.85	12.30	3.70	2.77 330
	H30CA003	214	.95 CY BUCKET	102 HP D	142,749	31.86	10.92	13.65	4.09	3.01 366
			GRADALL							
	H30GA001	G3W	.50 CY BUCKET (WITH CARRIER ENGINE)	125 HP D 205 HP D	150,410	36.48	11.51	14.40	4.31	5.29 380
	H30GA002	G660E	.50 CY BUCKET, TELESCOPIC BOOM (WITH CARRIER ENGINE)	177 HP D 210 HP D	201,128	48.48	15.47	19.39	5.77	6.86 433
	H30GA003	G3WD	.625 CY BUCKET, 4X2, TELESCOPIC BOOM	143 HP D	121,772	29.42	9.35	11.72	3.49	4.22 330
	H30GA004	G3WD	.625 CY BUCKET, 4X4, TELESCOPIC BOOM	143 HP D	134,993	32.00	10.36	12.98	3.87	4.22 335
	.02		OVER 1 CY							

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
H30			HYDRAULIC EXCAVATORS, WHEEL MTD							
	.02	OVER 1 CY								
			AKERMAN							
	H30AK002	H10MB	1.40 CY BUCKET, 4X4	166 HP D	194,044	40.78	13.33	16.14	5.26	4.90
			CATERPILLAR							
	H30CA004	224	1.18 CY BUCKET	124 HP D	180,836	36.84	12.34	14.88	4.90	3.66
H35			HYDRAULIC SHOVELS, CRAWLER MOUNTED							
	.10	DIESEL								
	.11	0 CY THRU 5 CY								
	.12	OVER 5 CY								
			HITACHI							
	H35HI001	EX1000	7.2 CY BUCKET, SHOVEL	512 HP D	751,985	136.41	39.33	39.48	19.59	13.85
	H35HI002	EX1800	13.5 CY BUCKET, SHOVEL	920 HP D	1,217,032	223.82	63.65	63.89	31.70	24.90
	H35HI003	EX3500	23.5 CY BUCKET, SHOVEL	1660 HP D	2,823,689	503.39	147.67	148.24	73.55	44.92
	.20	ELECTRIC								
	.21	OVER 2-1/2 CY								
L10			LAND CLEARING EQUIPMENT							

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT			
					AVERAGE	STANDBY	DEPR	CFC					
L10	<b>LAND CLEARING EQUIPMENT</b> *****												
BALDERSON													
3-58	L10BS001	BHTS 30	HYDR. TREE SHEAR FOR 953 LOADER	20,840	5.56	1.63	2.05	0.60	0.00	41			
	L10BS002	BMA8	MULTIAPPLICATION RAKE FOR D8L TRCTR	18,927	4.98	1.47	1.86	0.54	0.00	70			
	L10BS003	BTXC973	CLAMP RAKE FOR 973 LOADER	25,462	6.59	1.98	2.50	0.73	0.00	59			
	L10BS004	BBL7	BLADE RAKE FOR D7H TRACTOR	8,357	2.31	0.65	0.82	0.24	0.00	24			
	L10BS005	BRK8	ROCK & ROOT RAKE FOR D8L TRACTOR	18,810	4.95	1.47	1.85	0.54	0.00	72			
	L10BS006	VT8	V-TREE CUTTER FOR D8L TRACTOR	28,630	7.47	2.23	2.81	0.82	0.00	127			
	L10BS007		LOGGING FORK FOR 988 LOADER	34,737	9.09	2.71	3.41	1.00	0.00	90			
	<b>BUSH HOG</b>												
	L10BU001	268RP	ROTARY CUTTER, 8' WIDTH, 2.5"-12" HT CENTER MOUNT (ADD 40HP TRACTOR)	4,219	1.84	0.33	0.41	0.12	0.00	13			
3-58	L10BU002	1310SW	ROTARY CUTTER, 10.5' WIDTH, 2"-12"HT STRAIGHT BLADE (ADD 50HP TRACTOR)	8,177	3.51	0.63	0.80	0.23	0.00	30			
	L10BU003	1315SW	ROTARY CUTTER, 15' WIDTH, 2"-12"HT STRAIGHT BLADE (ADD 60HP TRACTOR)	11,099	4.74	0.87	1.09	0.32	0.00	32			
	L10BU004	1220SW	ROTARY CUTTER, 20' WIDTH, 2"-12"HT STRAIGHT BLADE (ADD 70HP TRACTOR)	13,832	5.92	1.08	1.36	0.40	0.00	48			
	L10BU005	SM-60	ROTARY CUTTER, SIDE MOUNT, 5' WIDTH MIN TRACTOR LIFT CAP - 3200# @ 24"	5,754	2.53	0.46	0.57	0.17	0.00	16			
	L10BU006	FM60-01	FLAIL MOWER, 57" WIDE, 4" HT, 1"CAP (ADD 15-40 HP TRACTOR)	1,943	1.18	0.16	0.19	0.06	0.00	7			
	L10BU007	FM72-01	FLAIL MOWER, 68" WIDE, 4" HT, 1"CAP (ADD 15-40 HP TRACTOR)	2,063	1.31	0.16	0.20	0.06	0.00	7			
	L10BU008	FH60-01	FLAIL MOWER, 57" WIDE, 0-3"HT, 2"CAP (ADD 30-60 HP TRACTOR)	2,230	1.35	0.17	0.22	0.06	0.00	8			
	L10BU009	FH72-01	FLAIL MOWER, 68" WIDE, 0-3"HT, 2"CAP (ADD 30-60 HP TRACTOR)	2,340	1.48	0.19	0.23	0.07	0.00	7			
	<b>CHIPMORE</b>												
3-58	L10CI001	B18SP-R	STUMP CUTTER, 15" REAR WHEEL CUTTER	18 HP G	4,844	2.97	0.38	0.48	0.14	1.36	4		
	<b>VERMEER</b>												
	L10VE001	206	STUMPER, 16" DIA WHEEL, TRAILER MTD	19 HP G	6,181	3.39	0.48	0.59	0.18	1.44	8		

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT			
					AVERAGE	STANDBY	DEPR	CFC					
L10	<b>LAND CLEARING EQUIPMENT</b> *****												
	VERMEER												
	L10VE002	630B	STUMPER, 18" DIA WHEEL, TRAILER MTD	34 HP G	6,614	4.97	0.51	0.64	0.19	2.57			
	L10VE003	665A	STUMPER, 28" DIA WHEEL, TRAILER MTD	62 HP G	17,843	10.51	1.38	1.74	0.51	4.69			
	L10VE004	2465	STUMPER, 36" DIA WHEEL, TRAILER MTD	62 HP G	28,143	13.06	2.19	2.75	0.81	4.69			
	L10VE005	TS-30	TREE SPADE, 30" DIAMETER, 24" DEPTH TRAILER MOUNTED	13 HP G	12,686	4.40	0.98	1.23	0.36	0.98			
	L10VE006	TS-44A	TREE SPADE, 44" DIAMETER, 40" DEPTH TRAILER MOUNTED	13 HP G	16,845	5.43	1.30	1.64	0.48	0.98			
	L10VE007	TS-50M	TREE SPADE, 50" DIAMETER, 48" DEPTH (ADD 13,800 GVW TRUCK)		16,752	5.64	1.31	1.65	0.48	0.00			
	L10VE008	TS-84-T	TREE SPADE, 84" DIAMETER, 54" DEPTH (ADD 34,000 GVW TRUCK)		56,603	17.00	4.41	5.56	1.63	0.00			
L15	<b>LAWN MOWERS</b> *****												
	EXCEL												
	L15EX001	HUSTLER 275	60" 3-WAY DECK	23 HP G	12,211	8.11	1.64	2.51	0.38	2.33			
	L15EX002	HUSTLER 320	72" STANDARD ROTARY MOWER DECK	22 HP D	13,690	6.86	1.84	2.82	0.43	0.81			
	L15EX003	HUSTLER-320WING	72" STD DK W/RIGHT WING - 47" CUT	23 HP D	16,136	7.96	2.18	3.33	0.51	0.85			
	L15EX004	HUSTLER 340	72" STANDARD ROTARY MOWER DECK	28 HP D	15,218	7.79	2.05	3.14	0.48	1.03			
	L15EX005	HUSTLER 400	72" STANDARD ROTARY MOWER DECK	34 HP G	14,049	10.27	1.89	2.89	0.44	3.44			
	L15EX006	HUSTLER 440	72" STANDARD ROTARY MOWER DECK	43 HP G	14,810	11.73	1.99	3.05	0.46	4.35			
	L15EX007	HUSTLER 440WING	72" STD DECK W/L&R WINGS - 12'2" CUT	43 HP G	17,401	12.85	2.35	3.59	0.55	4.35			
	L15EX008	HUSTLER 640	72" HEAVY DUTY DUAL-TRIM DECK	29 HP D	26,461	12.64	3.55	5.44	0.83	1.07			
	L15EX009	HI-LIFT BAC-VAC	72" LAWN VACUUM, STD DECK, 15 BU CAP. (ADD MOWER MODEL 400)	43 HP G	17,075	12.71	2.31	3.53	0.54	4.35			
	TORO												
	L15TO001	22525	21" REAR BAGGER - PUSH MOWER	5 HP G	696	0.93	0.10	0.15	0.02	0.51			
	L15TO002	56150	32" RIDING MOWER	8 HP G	1,705	1.70	0.21	0.31	0.05	0.81			
	L15TO003	30754	44" DECK GROUNDMASTER-117 TRACTOR	17 HP G	6,022	4.68	0.80	1.21	0.19	1.72			
	L15TO004	30754	52" DECK W/GROUNDMASTER-117 TRACTOR	17 HP G	6,317	4.82	0.84	1.28	0.20	1.72			
	L15TO005	30794	62" DECK W/GROUNDMASTER-220D TRACTR	21 HP D	13,141	6.57	1.76	2.70	0.41	0.77			

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE OWNERSHIP ELEMENTS		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
L15	LAWN MOWERS									
	TORO									
	L15TO006	30790	62" DECK W/GROUNDMASTER-220 TRACTOR	20 HP G	10,819	7.14	1.45	2.22	0.34	2.03
	L15TO007	30790	72" DECK W/GROUNDMASTER-220 TRACTOR	20 HP G	11,433	7.40	1.53	2.34	0.36	2.03
	L15TO008	30794	72" DECK W/GROUNDMASTER-220D TRACTR	21 HP D	13,772	6.84	1.85	2.83	0.43	0.77
L20	LIGHTING SETS, TRAILER MOUNTED									
	.10 METALLIC VAPOR									
	ALLMAND BROS.									
	L20AB001	MAXI-LITE IIIH	6.0KW 4/1000W, W/GEN SET HYDRAULIC MAST, TRLR MTD	15 HP D	16,069	5.88	1.19	1.42	0.48	0.58
	L20AB002	MAXI-LITE IIICE	6.0KW 4/1000W, W/GEN SET CABLE ELECTRIC MAST, TRLR MTD	15 HP D	14,833	5.47	1.09	1.30	0.44	0.58
	L20AB003	SUNDOWNER 1800	2.5 KW 2/1000W, W/GEN SET, TRLR MTD	5 HP D	9,535	3.28	0.69	0.82	0.28	0.19
	L20AB004	NITE-LITE 2	2.5 KW 2/1000W, W/GEN SET, TRLR MTD	5 HP D	7,207	2.53	0.52	0.61	0.21	0.19
	L20AB005	NITE-LITE 4	5.0 KW 2/1000W, W/GEN SET, TRLR MTD	10 HP D	10,394	3.80	0.76	0.90	0.31	0.39
	L20AB006	1800 SERIES	FLASHING ARROW, TRLR MTD, 25 LIGHT	5 HP G	4,478	2.07	0.31	0.36	0.13	0.54
	L20AB007	1800 SERIES	FLASHING ARROW, TRLR MTD, 25 LIGHT	5 HP D	5,445	1.96	0.39	0.45	0.16	0.19
	L20AB008	2000 SERIES	FLASHING ARROW, TRLR MTD, 25 LIGHT	5 HP G	4,006	1.92	0.28	0.31	0.12	0.54
	L20AB009	2000 SERIES	FLASHING ARROW, TRLR MTD, 25 LIGHT	5 HP D	4,996	1.81	0.35	0.40	0.15	0.19
	L20AB010	2200 SERIES	FLASHING ARROW, TRLR MTD, 25 LIGHT	5 HP E	6,154	2.33	0.44	0.51	0.18	0.19
	L20AB011	2200 SERIES	FLASHING ARROW, TRLR MTD, 25 LIGHT RECHARGEABLE	5 HP E	4,283	1.73	0.30	0.34	0.13	0.19
	AMIDA									
	L20AI001	MITI-LITE 500-4	4.0KW, 4/500W, W/GEN TRAILER MTD	4 HP G	4,677	2.02	0.35	0.41	0.14	0.43
	L20AI002	SL4060D-4	6.0KW, 4/1000W, W/GEN TRAILER MTD	11 HP D	13,118	4.75	0.98	1.18	0.39	0.42
	L20AI003	LT5080D-4	6.0KW, 4/1000W, W/GEN TRAILER MTD	16 HP D	15,085	5.64	1.13	1.36	0.45	0.62
	L20AI004	LT7080D-6	8.0KW, 6/1000W, W/GEN TRAILER MTD	16 HP G	19,682	8.48	1.47	1.78	0.58	1.72
			HYDRAULIC RAISED MAST							

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP			FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC			
L25			LINE STRIPING EQUIPMENT								
			M-B								
	L25MB001	3-10	WALK BEHIND STRIPER	4 HP G	2,889	2.10	0.22	0.26	0.09	0.43	4
	L25MB002	5-10	WALK BEHIND STRIPER	6 HP G	3,665	2.82	0.28	0.33	0.11	0.64	6
	L25MB003	6-28	INTERMEDIATE LINE STRIPER	10 HP G	10,259	5.48	0.77	0.94	0.30	1.07	15
	L25MB004	VANMARK 360	PAVING STRIPER WITH 11,000# GVW TRK	190 HP G	74,147	47.81	5.54	6.68	2.20	20.40	116
L30			LOADERS, BELT								
			KOLMAN								
	L30KL001	101-XHD	24" X 50' - 355 TON/HR	10 HP D	25,413	6.00	1.62	1.82	0.71	0.30	96
	L30KL002	MODEL 45	PLATE FEEDER DOZER TRAP	5 HP D	7,504	1.80	0.51	0.59	0.21	0.15	34
	L30KL003		BELT FEEDER DOZER TRAP	3 HP D	9,658	2.18	0.65	0.76	0.27	0.09	33
	L30KL004		WING WALLS STATIONARY		1,486	0.32	0.10	0.12	0.04	0.00	9
	L30KL005		TUNNEL EXTENSION WITH BACKBOARDS		7,515	1.61	0.51	0.59	0.21	0.00	55
	L30KL006	SB-70	SINGLE DECK SCREEN, 7' X 42"	3 HP D	5,837	1.36	0.39	0.46	0.16	0.09	18
	L30KL007	DC-70-42	DOUBLE DECK SCREEN, 7' X 42"	5 HP D	7,923	1.88	0.53	0.62	0.22	0.15	25
	L30KL008	TC-70-42	TRIPLE DECK SCREEN, 7' X 42"	5 HP D	11,181	2.59	0.75	0.88	0.31	0.15	33
	L30KL009	XHD	CONVEYOR JACKLEG		1,143	0.24	0.08	0.09	0.03	0.00	7
	L30KL010	101-XHD	30" X 50' - 615 TON/HR	20 HP D	26,802	6.68	1.72	1.93	0.75	0.59	105
	L30KL011	MODEL 45	PLATE FEEDER DOZER TRAP	8 HP D	8,805	2.20	0.60	0.69	0.25	0.24	42
	L30KL012		BELT FEEDER DOZER TRAP	5 HP D	10,682	2.48	0.72	0.84	0.30	0.15	40
	L30KL013		WING WALLS STATIONARY		1,486	0.32	0.10	0.12	0.04	0.00	9
	L30KL014		TUNNEL EXTENSION WITH BACKBOARDS		7,515	1.61	0.51	0.59	0.21	0.00	55
	L30KL015	SB-80	SINGLE DECK SCREEN, 8' X 48"	3 HP D	7,087	1.63	0.48	0.56	0.20	0.09	22
	L30KL016	DC-80-48	DOUBLE DECK SCREEN, 8' X 48"	5 HP D	9,707	2.27	0.65	0.76	0.27	0.15	34
	L30KL017	TC-80-48	TRIPLE DECK SCREEN, 8' X 48"	8 HP D	13,118	3.13	0.89	1.03	0.37	0.24	43
	L30KL018	XHD	CONVEYOR JACKLEG		1,143	0.24	0.08	0.09	0.03	0.00	7
	L30KL019	101-XHD	36" X 50' - 910 TON/HR	30 HP D	32,321	8.24	2.09	2.36	0.91	0.89	111
	L30KL020	MODEL 45	PLATE FEEDER DOZER TRAP	9 HP D	9,314	2.34	0.63	0.73	0.26	0.27	45
	L30KL021		BELT FEEDER DOZER TRAP	7 HP D	11,558	2.75	0.78	0.91	0.32	0.21	42
	L30KL022		WING WALLS STATIONARY		1,486	0.32	0.10	0.12	0.04	0.00	9
	L30KL023		TUNNEL EXTENSION WITH BACKBOARDS		7,515	1.61	0.51	0.59	0.21	0.00	55
	L30KL024	SB-90	SINGLE DECK SCREEN, 9' X 54"	5 HP D	8,016	1.91	0.55	0.63	0.23	0.15	27
	L30KL025	DC-90-54	DOUBLE DECK SCREEN, 9' X 54"	8 HP D	11,062	2.68	0.75	0.87	0.31	0.24	42

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
L30	LOADERS, BELT									
<hr/>										
KOLMAN										
L30KL026	TC-90-54	TRIPLE DECK SCREEN, 9' X 54"	8 HP D	12,849	3.07	0.87	1.01	0.36	0.24	45
L30KL027	XHD	CONVEYOR JACKLEG		1,143	0.24	0.08	0.09	0.03	0.00	7
L30KL028	101-XHD	42" X 50'- 1260 TON/HR	40 HP D	34,840	9.16	2.26	2.56	0.98	1.18	118
L30KL029	MODEL 45	PLATE FEEDER DOZER TRAP	11 HP D	11,406	2.85	0.77	0.89	0.32	0.32	48
L30KL030		BELT FEEDER DOZER TRAP	9 HP D	11,593	2.83	0.79	0.91	0.33	0.27	44
L30KL031		WING WALLS STATIONARY		1,486	0.32	0.10	0.12	0.04	0.00	9
L30KL032		TUNNEL EXTENSION WITH BACKBOARDS		7,515	1.61	0.51	0.59	0.21	0.00	55
L30KL033	SB-100	SINGLE DECK SCREEN, 10' X 60"	5 HP D	10,373	2.41	0.70	0.81	0.29	0.15	36
L30KL034	DC-100	DOUBLE DECK SCREEN, 10' X 60"	8 HP D	12,204	2.93	0.82	0.96	0.34	0.24	42
L30KL035	THV-100	TRIPLE DECK SCREEN, 10' X 60"	10 HP D	18,674	4.37	1.25	1.46	0.52	0.30	61
L30KL036	XHD	CONVEYOR JACKLEG		1,143	0.24	0.08	0.09	0.03	0.00	7
L30KL037	101-XHD	48" X 50'- 1700 TON/HR	50 HP D	46,069	11.94	3.01	3.44	1.29	1.48	140
L30KL038	MODEL 45	PLATE FEEDER DOZER TRAP	15 HP D	15,861	3.96	1.07	1.24	0.45	0.44	51
L30KL039		BELT FEEDER DOZER TRAP	10 HP D	15,233	3.64	1.03	1.19	0.43	0.30	48
L30KL040		WING WALLS STATIONARY		1,486	0.32	0.10	0.12	0.04	0.00	9
L30KL041		TUNNEL EXTENSION WITH BACKBOARDS		8,947	1.92	0.60	0.70	0.25	0.00	62
L30KL042	SB-120	SINGLE DECK SCREEN, 12' X 60"	8 HP D	12,053	2.89	0.81	0.94	0.34	0.24	45
L30KL043	DHV-120	DOUBLE DECK SCREEN, 12' X 60"	10 HP D	21,884	5.07	1.47	1.72	0.61	0.30	79
L30KL044	THV-120	TRIPLE DECK SCREEN, 12' X 60"	10 HP D	24,715	5.68	1.66	1.94	0.69	0.30	80
L30KL045	XHD	CONVEYOR JACKLEG		1,143	0.24	0.08	0.09	0.03	0.00	7
L30KL046	303	2,000 CY/HR, 48" X 50' BELT, PORTABLE	125 HP D	161,591	48.93	11.62	13.04	5.10	3.69	627
L30KL047	303	2,000 CY/HR, 48" X 60' BELT, PORTABLE	185 HP D	201,831	55.65	12.98	14.61	5.67	5.46	662
L30KL048	303	3,600 CY/HR, 60" X 50' BELT, PORTABLE	185 HP D	208,515	59.30	13.23	14.73	5.86	5.46	682
L30KL049	303	3,600 CY/HR, 60" X 60' BELT, PORTABLE	290 HP D	239,618	71.40	15.19	16.91	6.73	8.56	737
L30KL050	404	2,000 CY/HR, 48" X 50' BELT, PORTABLE	185 HP D	223,966	60.28	14.47	16.36	6.29	5.46	616
L30KL051	404	2,000 CY/HR, 48" X 60' BELT, PORTABLE	185 HP D	236,648	63.11	15.32	17.34	6.65	5.46	650
L30KL052	404	3,600 CY/HR, 60" X 50' BELT, PORTABLE	290 HP D	268,355	76.10	17.26	19.43	7.54	8.56	671
L30KL053	404	3,600 CY/HR, 60" X 60' BELT, PORTABLE	290 HP D	296,532	83.60	19.02	21.37	8.33	8.56	724
L30KL054	SB-120	SINGLE DECK SCREEN, 12' X 72"	8 HP D	15,983	3.73	1.08	1.25	0.45	0.24	50
L30KL055	DHV-120	DOUBLE DECK SCREEN, 12' X 72"	15 HP D	26,854	6.32	1.81	2.11	0.75	0.44	81
L30KL056	THV-120	TRIPLE DECK SCREEN, 12' X 72"	15 HP D	29,006	6.78	1.96	2.27	0.82	0.44	84
L30KL057		SINGLE DECK VIBRATING GRIZZLE 72"W	15 HP D	26,476	6.24	1.78	2.08	0.74	0.44	89
L35	LOADERS, FRONT END, CRAWLER TYPE									
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TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (AVERAGE CONDITIONS)

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT			
					AVERAGE	STANDBY	DEPR	CFC					
L35	LOADERS, FRONT END, CRAWLER TYPE												
<b>CATERPILLAR</b>													
3-63	L35CA001	931C	1.0 CY	67 HP D	56,151	16.98	3.78	4.42	1.57	2.14	167		
	L35CA002	931C LGP	1.0 CY	67 HP D	60,476	18.07	4.08	4.77	1.69	2.14	181		
	L35CA003	935C	1.3 CY	78 HP D	63,709	19.36	4.29	5.02	1.78	2.49	180		
	L35CA004	943	1.5 CY	80 HP D	104,530	29.67	7.05	8.24	2.93	2.56	270		
	L35CA005	953	2.0 CY	110 HP D	128,766	37.06	8.69	10.15	3.61	3.52	309		
	L35CA006	963	2.5 CY	150 HP D	169,760	49.07	11.45	13.38	4.76	4.80	407		
	L35CA007	973	3.75 CY	210 HP D	252,132	72.31	17.00	19.87	7.06	6.72	552		
<b>CASE</b>													
	L35CS001	455C	1.00 CY, POWERSHIFT	63 HP D	53,750	16.23	3.63	4.24	1.51	2.01	150		
	L35CS002	855D	1.50 CY, POWERSHIFT/TC	82 HP D	79,252	23.44	5.35	6.25	2.22	2.62	208		
	L35CS003	1155E	2.00 CY, POWERSHIFT/TC	118 HP D	105,270	31.52	7.10	8.30	2.95	3.77	284		
	L35CS004	1455B	2.25 CY, POWERSHIFT	140 HP D	117,224	35.49	7.90	9.24	3.28	4.48	343		
<b>FIATALLIS</b>													
	L35FI001	FL5B	1.00 CY, POWERSHIFT	70 HP D	69,200	20.39	4.67	5.45	1.94	2.24	183		
	L35FI002	FL7B	1.50 CY, POWERSHIFT/TC	85 HP D	76,400	22.85	5.15	6.02	2.14	2.72	211		
	L35FI003	FL10E	2.20 CY, POWERSHIFT/TC	127 HP D	124,469	36.72	8.40	9.81	3.49	4.06	277		
	L35FI004	FL14E	2.75 CY, POWERSHIFT	168 HP D	158,524	47.04	10.69	12.49	4.44	5.37	392		
	L35FI005	FL20	3.50 CY, POWERSHIFT	223 HP D	235,341	68.67	15.86	18.54	6.59	7.13	577		
<b>INTERNATIONAL/DRESSER</b>													
	L35ID001	100G	1.13 CY, POWERSHIFT	70 HP D	60,899	18.32	4.11	4.80	1.71	2.24	160		
	L35ID002	125G	1.38 CY, POWERSHIFT	80 HP D	80,558	23.68	5.44	6.35	2.26	2.56	198		
	L35ID003	175C	2.00 CY, POWERSHIFT	140 HP D	121,240	36.49	8.18	9.55	3.40	4.48	317		
	L35ID004	200	2.60 CY, POWERSHIFT	165 HP D	154,011	45.79	10.38	12.14	4.31	5.28	379		
	L35ID005	250E	3.25 CY, POWERSHIFT	215 HP D	185,607	55.90	12.52	14.63	5.20	6.88	460		
<b>JOHN DEERE</b>													
	L35JD001	350D	.75 CY	48 HP D	41,315	12.46	2.79	3.26	1.16	1.54	124		
	L35JD002	455G	1.25 CY	70 HP D	53,537	16.48	3.61	4.22	1.50	2.24	164		
	L35JD003	555G	1.50 CY	90 HP D	72,974	22.21	4.92	5.75	2.04	2.88	188		

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP			FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC			
L35	LOADERS, FRONT END, CRAWLER TYPE										
			JOHN DEERE								
	L35JD004	655B	2.00 CY	120 HP D	99,609	30.20	6.72	7.85	2.79	3.84	324
	L35JD005	755B	2.25 CY	140 HP D	112,824	34.39	7.61	8.89	3.16	4.48	355
			KOMATSU								
	L35KM001	D31S-18	1.30 CY, HYDROSHIFT	70 HP D	73,773	21.53	4.98	5.81	2.07	2.24	168
	L35KM002	D41S-3	1.60 CY, HYDROSHIFT	90 HP D	105,587	30.37	7.12	8.32	2.96	2.88	262
	L35KM003	D53S-17	2.00 CY, POWERSHIFT	110 HP D	143,963	40.85	9.70	11.34	4.03	3.52	300
	L35KM004	D57S-1	2.10 CY, POWERSHIFT	135 HP D	170,012	48.47	11.46	13.40	4.76	4.32	340
	L35KM005	D66S-1	2.80 CY, HYDROSTATIC	160 HP D	193,915	55.54	13.07	15.28	5.43	5.12	422
	L35KM006	D75S-5	3.30 CY, POWERSHIFT	200 HP D	247,633	70.74	16.70	19.51	6.94	6.40	485
L40	LOADERS, FRONT END, WHEEL TYPE										
	.10	ARTICULATED									
	.11	0 THRU 225 HP									
			CATERPILLAR								
	L40CA001	910	1-1/4 CY, ARTICULATED	65 HP D	58,683	13.75	3.75	4.09	1.70	1.92	145
	L40CA002	916	1-1/2 CY, ARTICULATED	85 HP D	78,196	18.04	5.03	5.52	2.27	2.51	183
	L40CA003	926E	2 CY, ARTICULATED	110 HP D	91,326	21.48	5.88	6.46	2.65	3.25	202
	L40CA004	936E	2-1/2 CY, ARTICULATED	135 HP D	117,042	28.02	7.41	8.03	3.39	3.99	271
	L40CA005	950-E	3 CY, ARTICULATED	160 HP D	147,702	35.02	9.33	10.10	4.28	4.72	339
	L40CA006	966-E	4 CY, ARTICULATED	216 HP D	204,610	49.11	12.79	13.71	5.93	6.38	443
			CASE								
	L40CS001	W-11B	1.00 CY, 4WD, ARTICULATED	69 HP D	48,225	12.07	3.06	3.32	1.40	2.04	105
	L40CS002	W-14B	1.50 CY, 4WD, ARTICULATED	90 HP D	63,749	15.76	4.07	4.44	1.85	2.66	157
	L40CS003	W-20C	2.00 CY, 4WD, ARTICULATED	110 HP D	93,634	22.62	5.90	6.38	2.71	3.25	230
	L40CS004	W-30	3.00 CY, 4WD, ARTICULATED	153 HP D	111,807	27.65	7.10	7.72	3.24	4.52	261

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT	
					AVERAGE	STANDBY	DEPR	CFC			
L40			LOADERS, FRONT END, WHEEL TYPE								
	.11	0 THRU 225 HP									
			CASE								
	L40CS005	W-36	4.00 CY, 4WD, ARTICULATED	205 HP D	144,335	36.22	9.13	9.89	4.18	6.05	391
			FIATALLIS								
	L40FI001	FR7B	1.38 CY, 4WD, PWRSHIFT/TC	71 HP D	61,283	14.46	3.92	4.28	1.78	2.10	153
	L40FI002	FR9B	1.75 CY, 4WD, PWRSHIFT/TC	90 HP D	72,534	17.31	4.64	5.08	2.10	2.66	172
	L40FI003	FR10B	2.00 CY, 4WD, PWRSHIFT/TC	110 HP D	81,311	19.87	5.20	5.67	2.36	3.25	206
	L40FI004	FR11	2.25 CY, 4WD, PWRSHIFT/TC	125 HP D	94,544	22.84	6.06	6.64	2.74	3.69	246
	L40FI005	FR12B	2.62 CY, 4WD, PWRSHIFT/TC	140 HP D	103,875	25.76	6.57	7.11	3.01	4.13	270
	L40FI006	FR15B	3.25 CY, 4WD, PWRSHIFT/TC	185 HP D	141,280	35.04	8.89	9.59	4.09	5.46	328
			FORD/NEW HOLLAND								
	L40FN001	340B	16 CF	48 HP D	25,457	6.77	1.63	1.78	0.74	1.42	66
	L40FN002	445A	3/4 CY	48 HP D	29,046	7.44	1.85	2.02	0.84	1.42	73
	L40FN003	545A	3/4 CY	60 HP D	32,722	8.64	2.09	2.27	0.95	1.77	75
	L40FN004	555B	1 CY	63 HP D	35,382	9.41	2.23	2.40	1.03	1.86	80
			FURUKAWA								
	L40FU001	FL120-1	1.75 CY, 4WD	80 HP D	79,379	18.26	5.07	5.53	2.30	2.36	179
	L40FU002	FL150-1	2.00 CY, 4WD	102 HP D	92,742	21.55	5.95	6.51	2.69	3.01	213
	L40FU003	FL200-1	2.60 CY, 4WD	140 HP D	117,202	28.06	7.46	8.11	3.40	4.13	299
	L40FU004	FL230-1	3.10 CY, 4WD	160 HP D	139,394	32.82	8.91	9.74	4.04	4.72	311
	L40FU005	FL330-1	4.30 CY, 4WD	217 HP D	192,209	45.74	12.18	13.21	5.57	6.41	435
			INTERNATIONAL/DRESSER								
	L40ID001	510B	1.37 CY, ARTICULATED FRAME	80 HP D	62,377	15.03	3.99	4.36	1.81	2.36	157
	L40ID002	515B	1.63 CY, ARTICULATED FRAME	105 HP D	77,391	18.95	4.93	5.38	2.24	3.10	187
	L40ID003	520B	2.25 CY, ARTICULATED FRAME	120 HP D	91,759	22.14	5.88	6.44	2.66	3.54	232
	L40ID004	530	2.75 CY, ARTICULATED FRAME	165 HP D	135,821	32.41	8.68	9.48	3.94	4.87	291
	L40ID005	540	3.75 CY, ARTICULATED FRAME	205 HP D	190,668	44.86	12.10	13.14	5.53	6.05	360
			JOHN DEERE								

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP			FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC			
L40			LOADERS, FRONT END, WHEEL TYPE								
	.11		0 THRU 225 HP								
			JOHN DEERE								
	L40JD001	344E	1.63 CY, 4WD, ARTICULATED	75 HP D	58,436	14.11	3.73	4.07	1.69	2.21	159
	L40JD002	444E	1.75 CY, 4WD, ARTICULATED	95 HP D	65,979	16.35	4.21	4.60	1.91	2.80	172
	L40JD003	544E	2.25 CY, 4WD, ARTICULATED	115 HP D	77,490	19.24	4.98	5.45	2.25	3.39	230
	L40JD004	644E	3.25 CY, 4WD, ARTICULATED	160 HP D	113,028	28.00	7.21	7.85	3.28	4.72	334
			KAWASAKI								
	L40KA001	KSS65ZII	2.30 CY, 4WD, ARTICULATED	108 HP D	86,548	20.72	5.54	6.06	2.51	3.19	220
	L40KA002	KSS70II	3.25 CY, 4WD, ARTICULATED	158 HP D	121,632	29.59	7.74	8.44	3.52	4.66	305
	L40KA003	KSS80ZII	3.75 CY, 4WD, ARTICULATED	165 HP D	130,686	31.57	8.33	9.08	3.79	4.87	326
			MICHIGAN / VME								
	L40MC001	L30	1.0 CY BUCKET	74 HP D	61,069	14.39	3.89	4.24	1.77	2.18	131
	L40MC002	L50	1.5 CY BUCKET	82 HP D	88,819	19.65	5.71	6.28	2.57	2.42	161
	L40MC003	L70	2.0 CY BUCKET	110 HP D	105,498	23.89	6.79	7.45	3.06	3.25	195
	L40MC004	L90	2.5 CY BUCKET	145 HP D	136,483	31.22	8.71	9.52	3.95	4.28	262
	L40MC005	L120	3.1 CY BUCKET	190 HP D	171,571	39.90	10.88	11.81	4.97	5.61	319
	L40MC006	L140	4.0 CY BUCKET	203 HP D	207,556	46.81	13.24	14.45	6.01	5.99	392
			MASSEY FERGUSON								
	L40MF001	MF30E	.75 CY	45 HP D	34,875	8.33	2.24	2.45	1.01	1.33	95
	L40MF002	MF50E	1.05 CY	65 HP D	39,261	10.02	2.52	2.75	1.14	1.92	106
	L40MF003	MF50HX/SERIES S	1.05 CY	74 HP D	41,783	10.91	2.66	2.89	1.21	2.18	135
			MITSUBISHI								
	L40MI001	WS200A	.50 CY, 4WD, ARTICULATED	26 HP D	32,944	7.31	2.10	2.29	0.95	0.77	59
	L40MI002	WS400	1.00 CY, 4WD, ARTICULATED	50 HP D	48,883	11.39	3.11	3.37	1.42	1.48	94
	L40MI003	WS500	1.00 CY, 4WD, ARTICULATED	55 HP D	52,836	12.28	3.36	3.66	1.53	1.62	114
			TEREX								
	L40TE001	60C	3.25 CY, 4WD ARTICULATED-POWERSHIFT	160 HP D	132,901	32.40	8.36	9.01	3.85	4.72	298

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE OWNERSHIP ELEMENTS		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
L40			LOADERS, FRONT END, WHEEL TYPE							
	.11	0 THRU 225 HP								
			TROJAN/O & K							
	L40TR001	1500Z	1.75 CY, 4WD, ARTICULATED, PWRSHIFT	93 HP D	73,810	17.83	4.70	5.12	2.14	2.75
	L40TR002	1700Z	2.25 CY, 4WD, ARTICULATED, PWRSHIFT	110 HP D	75,421	18.83	4.81	5.24	2.19	3.25
	L40TR003	1900Z	2.50 CY, 4WD, ARTICULATED, PWRSHIFT	119 HP D	88,794	21.57	5.68	6.22	2.57	3.51
	L40TR004	2000Z	3.00 CY, 4WD, ARTICULATED, PWRSHIFT	171 HP D	113,866	28.77	7.24	7.87	3.30	5.05
	L40TR005	3500Z	3.75 CY, 4WD, ARTICULATED, PWRSHIFT	185 HP D	139,165	34.67	8.75	9.44	4.03	5.46
	.12	OVER 225 HP								
			CATERPILLAR							
	L40CA007	980-C	5-1/4 CY, ARTICULATED	270 HP D	268,460	58.24	15.89	17.47	7.15	7.97
	L40CA008	988-B	7 CY, ARTICULATED	375 HP D	403,289	84.29	23.60	25.71	10.74	11.07
	L40CA009	992-C	13-1/2 CY, ARTICULATED	690 HP D	817,485	170.60	47.30	51.06	21.77	20.37
			FIATALLIS							
	L40FI007	FR20B	4.00 CY, 4WD, PWRSHIFT/TC	230 HP D	204,317	46.51	11.93	12.98	5.44	6.79
	L40FI008	FR35	7.00 CY, 4WD, PWRSHIFT/TC	350 HP D	312,773	69.49	18.47	20.27	8.33	10.33
			INTERNATIONAL/DRESSER							
	L40ID006	550	5.50 CY, ARTICULATED	315 HP D	283,081	62.29	16.79	18.49	7.54	9.30
	L40ID007	560B	7.50 CY, ARTICULATED	415 HP D	404,377	86.56	24.12	26.69	10.77	12.25
	L40ID008	570	12.0 CY, ARTICULATED	590 HP D	733,834	147.93	43.35	47.62	19.54	17.42
	L40ID009	580	22.0 CY, ARTICULATED	1100 HP D	1,639,436	322.53	96.76	106.20	43.66	32.47
			JOHN DEERE							
	L40JD005	844	5.00 CY, 4WD, ARTICULATED	260 HP D	200,304	47.02	11.68	12.70	5.33	7.68
			KAWASAKI							
	L40KA004	KSS85ZII	4.25 CY, 4WD, ARTICULATED	226 HP D	179,783	40.11	10.72	11.85	4.79	6.67
	L40KA005	KSS95ZII	6.00 CY, 4WD, ARTICULATED	310 HP D	244,543	55.97	14.41	15.79	6.51	9.15
	L40KA006	KSS110ZII	7.50 CY, 4WD, ARTICULATED	383 HP D	378,791	79.75	22.30	24.41	10.09	11.31

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP			FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC			
L40			LOADERS, FRONT END, WHEEL TYPE								
	.12		OVER 225 HP								
			MICHIGAN / VME								
	L40MC007	L160	5.00 CY, 4WD, ARTICULATED	252 HP D	235,491	50.80	13.85	15.16	6.27	7.44	448
	L40MC008	L190	5.25 CY, 4WD, ARTICULATED, PS/TC	290 HP D	274,002	57.48	15.96	17.32	7.30	8.56	549
	L40MC009	L270	7.00 CY, 4WD, ARTICULATED, PS/TC	360 HP D	400,536	80.49	23.69	26.03	10.67	10.63	826
	L40MC010	L320	8.00 CY, 4WD, ARTICULATED, PS/TC	417 HP D	436,580	89.17	25.65	28.04	11.63	12.31	873
	L40MC011	L480	12.5 CY, 4WD, ARTICULATED, PS/TC	650 HP D	763,861	155.56	44.00	47.31	20.34	19.19	1,634
	L40MC012	L480T	12.5 CY BUCKET, TURBO TRANSMISSION	679 HP D	830,944	167.33	48.14	52.01	22.13	20.04	1,634
			TEREX								
	L40TE002	70C	4.50 CY, 4WD ARTICULATED, POWERSHIFT	247 HP D	192,205	42.53	11.53	12.82	5.12	7.29	425
	L40TE003	80C	6.00 CY, 4WD ARTICULATED, POWERSHIFT	315 HP D	271,040	60.38	16.05	17.65	7.22	9.30	579
	L40TE004	85B	8.00 CY, 4WD ARTICULATED, POWERSHIFT	388 HP D	357,619	76.57	20.99	22.93	9.52	11.45	856
	L40TE005	90C	8.50 CY, 4WD ARTICULATED, POWERSHIFT	460 HP D	419,191	90.07	24.57	26.82	11.16	13.58	978
			TROJAN/O & K								
	L40TR006	4500Z	4.50 CY, 4WD ARTICULATED, POWERSHIFT	231 HP D	176,561	39.80	10.52	11.63	4.70	6.82	434
	L40TR007	5500Z	5.50 CY, 4WD ARTICULATED, POWERSHIFT	294 HP D	245,430	55.50	14.47	15.85	6.54	8.68	602
	L40TR008	7500	7.00 CY, 4WD ARTICULATED, POWERSHIFT	400 HP D	325,069	71.51	19.06	20.80	8.66	11.81	850
	.20		SKID STEER								
			MELROE / BOBCAT								
	L40ME001	440B	6 CWT, 36" BUCKET	16 HP G	7,214	3.65	0.56	0.72	0.20	1.41	21
	L40ME002	443	6 CWT, 44" BUCKET	15 HP D	11,014	3.39	0.87	1.12	0.31	0.48	24
	L40ME003	543	8 CWT, 48" BUCKET	22 HP D	14,086	4.42	1.12	1.45	0.39	0.70	33
	L40ME004	642B	10 CWT, 54" BUCKET	32 HP G	13,558	7.03	1.08	1.39	0.38	2.81	38
	L40ME005	643	10 CWT, 54" BUCKET	28 HP D	16,338	5.26	1.29	1.68	0.45	0.90	39
	L40ME006	742	13 CWT, 60" BUCKET	34 HP G	17,657	8.25	1.40	1.82	0.49	2.99	45
	L40ME007	743	13 CWT, 60" BUCKET	36 HP D	18,908	6.23	1.51	1.95	0.53	1.15	46
	L40ME008	843	17 CWT, 60" BUCKET	54 HP D	24,342	8.50	1.91	2.45	0.68	1.73	63
	L40ME009	943	24 CWT, 66" BUCKET	74 HP D	30,494	10.90	2.39	3.08	0.85	2.37	88
	L40ME010	974	37 CWT, 84" BUCKET	78 HP D	44,779	14.95	3.43	4.35	1.25	2.49	121
	L40ME011	975	37 CWT, 84" BUCKET	82 HP D	45,597	15.32	3.49	4.44	1.27	2.62	122

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
L40			LOADERS, FRONT END, WHEEL TYPE							
	.30		TOOL CARRIER							
	.31		0 THRU 225 HP							
			CATERPILLAR							
	L40CA010	IT12	INTEGRATED TOOL CARRIER	65 HP D	67,024	15.57	4.29	4.70	1.94	1.92
	L40CA011	IT18B	INTEGRATED TOOL CARRIER	95 HP D	85,106	20.19	5.47	6.00	2.47	2.80
	L40CA012	IT26B	INTEGRATED TOOL CARRIER	110 HP D	95,969	22.80	6.18	6.80	2.78	3.25
	.32		OVER 225 HP							
			MICHIGAN / VME							
	L40MC013	L160 HIGH-LIFT	2.8 SQ METER GRAPPLE ARMS	252 HP D	310,490	64.05	18.48	20.41	8.27	7.44
L45			LOADERS w/ BACKHOE, CRAWLER TYPE							
			CATERPILLAR							
	L45CA001	931C	1.00 CY FE BUCKET W/30" B/H DIPPER	67 HP D	72,805	21.16	4.91	5.74	2.04	2.14
L50			LOADERS w/ BACKHOE, WHEEL TYPE							
			CATERPILLAR							
	L50CA001	416	1.00 CY FE BUCKET W/24" B/H DIPPER	62 HP D	52,949	12.67	3.39	3.72	1.53	1.63
	L50CA002	426	1.25 CY FE BUCKET W/30" B/H DIPPER	70 HP D	59,103	14.13	3.80	4.17	1.71	2.07
	L50CA003	436	1.38 CY FE BUCKET W/30" B/H DIPPER	77 HP D	62,339	15.07	4.00	4.38	1.81	2.27
			CASE							

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT						
					AVERAGE	STANDBY	DEPR	CFC								
<b>L50 LOADERS w/ BACKHOE, WHEEL TYPE</b>																
*****																
CASE																
3 · 70	L50CS001	480E	0.88 CY FE BUCKET W/24" B/H DIPPER	63 HP D	36,456	9.53	2.34	2.55	1.06	1.86	97					
	L50CS002	580K	1.00 CY FE BUCKET W/24" B/H DIPPER	63 HP D	48,909	11.95	3.13	3.42	1.42	1.86	130					
	L50CS003	680K	1.50 CY FE BUCKET W/30" B/H DIPPER	90 HP D	78,670	18.68	5.06	5.56	2.28	2.66	165					
	L50CS004	780D	1.75 CY FE BUCKET W/30" B/H DIPPER	112 HP D	88,773	21.52	5.69	6.24	2.57	3.31	198					
	FORD/NEW HOLLAND															
	L50FN001	340B	16 CF FE BUCKET W/24" B/H DIPPER	48 HP D	37,570	9.20	2.40	2.62	1.09	1.42	103					
L55	L50FN002	445A	0.75 CY FE BUCKET W/24" B/H DIPPER	48 HP D	41,708	9.89	2.69	2.95	1.21	1.42	114					
	L50FN003	545A	0.75 CY FE BUCKET W/24" B/H DIPPER	60 HP D	44,383	10.96	2.84	3.10	1.29	1.77	119					
	L50FN004	555B	1.00 CY FE BUCKET W/24" B/H DIPPER	63 HP D	49,705	12.07	3.19	3.49	1.44	1.86	135					
	L50FN005	655A	1.00 CY FE BUCKET W/24" B/H DIPPER	72 HP D	55,398	13.57	3.55	3.87	1.61	2.13	149					
	L50FN006	755A	1.50 CY FE BUCKET W/24" B/H DIPPER	100 HP D	79,381	19.16	5.12	5.63	2.30	2.95	167					
	JOHN DEERE															
L55	L50JD001	310C	1.00 CY FE BUCKET W/18" B/H DIPPER	65 HP D	42,201	10.72	2.70	2.95	1.22	1.92	125					
	L50JD002	410C	1.00 CY FE BUCKET W/18" B/H DIPPER	75 HP D	50,477	12.71	3.23	3.53	1.46	2.21	144					
	L50JD003	510C	1.25 CY FE BUCKET W/18" B/H DIPPER	85 HP D	60,498	15.03	3.87	4.24	1.75	2.51	154					
	L50JD004	610C	1.25 CY FE BUCKET W/24" B/H DIPPER	95 HP D	68,052	16.87	4.36	4.78	1.97	2.80	163					
	L50JD005	710C	1.50 CY FE BUCKET W/24" B/H DIPPER	100 HP D	86,056	20.66	5.48	5.98	2.49	2.95	225					
MASSEY FERGUSON																
L55	L50MF001	MF50E	1.00 CY FE BUCKET W/24" B/H DIPPER	65 HP D	52,044	12.54	3.35	3.68	1.51	1.92	120					
	L50MF002	MF50EX	1.00 CY FE BUCKET W/24" B/H DIPPER	74 HP D	53,026	13.07	3.42	3.75	1.54	2.18	129					
	L50MF003	MF60H/SERIES S	1.05 CY FE BUCKET W/24" B/H DIPPER	74 HP D	59,106	14.34	3.78	4.14	1.71	2.18	137					
<b>L55 LOADER/BACKHOE, ATTACHMENTS</b>																
*****																
KENT																
L55	L55KN001	KB-555	AIR RAM W/NARROW CHISEL (ADD COMPR)	175 CFM A	5,762	2.48	0.55	0.75	0.17	0.00	6					
	L55KN002	KB-999	AIR RAM W/NARROW CHISEL (ADD COMPR)	250 CFM A	11,813	5.07	1.12	1.54	0.35	0.00	10					

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
L55			LOADER/BACKHOE, ATTACHMENTS *****							
			KENT							
	L55KN003	KB-2600	AIR RAM W/CHISEL(ADD MIN .75CY B/H)	750 CFM A	24,260	10.26	2.31	3.17	0.72	0.00 22
	L55KN004	KHP-12	HYDRA-PAK TAMPER, HYD, 21"W, 30"L, 27"H		4,915	1.92	0.47	0.64	0.15	0.00 9
	L55KN005	KHP225	HYDRA-PAK TAMPER, HYD, 27"W, 36"L, 31"H (ADD MIN .75 CY BACKHOE)		9,717	3.68	0.93	1.27	0.29	0.00 17
L60			LOG SKIDDERS *****							
			CATERPILLAR							
	L60CA001	508	SKIDDER, CABLE, WITH 27,255# PULL	95 HP D	77,673	20.07	5.13	6.06	2.10	2.80 166
	L60CA002	508	SKIDDER, GRAPPLE WITH 27,225# PULL	95 HP D	92,778	23.02	6.18	7.33	2.51	2.80 182
	L60CA003	518	SKIDDER, CABLE WITH 32,000# PULL	120 HP D	88,632	23.16	5.89	6.98	2.40	3.54 221
	L60CA004	518	SKIDDER, GRAPPLE WITH 32,000# PULL	130 HP D	110,326	27.77	7.39	8.81	2.98	3.84 246
	L60CA005	528	SKIDDER, CABLE WITH 40,000# PULL	175 HP D	126,569	33.65	8.32	9.80	3.42	5.17 300
	L60CA006	FB-518	FELLER-BUNCHER, WHEEL MOUNTED	130 HP D	124,100	31.02	8.24	9.76	3.36	3.84 210
	L60CA007	FB-227	FELLER-BUNCHER, CRAWLER MOUNTED	135 HP D	273,700	58.61	18.93	23.05	7.40	3.99 706
			JOHN DEERE							
	L60JD001	540D	CABLE LOG SKIDDER, 26,700# LINE PULL	100 HP D	77,577	19.86	5.19	6.18	2.10	2.95 162
	L60JD002	640D	CABLE LOG SKIDDER, 32,100# LINE PULL	120 HP D	86,771	23.79	5.58	6.45	2.35	3.54 202
	L60JD003	548D	GRAPPLE LOG SKIDDR, 26,600# LINE PULL	100 HP D	86,003	21.51	5.78	6.89	2.33	2.95 181
	L60JD004	648D	GRAPPLE LOG SKIDDR, 26,700# LINE PULL	120 HP D	98,518	26.09	6.39	7.44	2.67	3.54 231
	L60JD005	740A	GRAPPLE LOG SKIDDR, 51,880# LINE PULL	158 HP D	142,511	38.64	8.96	10.19	3.86	4.66 358
	L60JD006	643	FELLER BUNCHER, WHEEL MOUNTED	145 HP D	113,045	29.88	7.39	8.66	3.06	4.28 275
			RANGER / VME							
	L60RN001	F665	CABLE SKIDDER, LINE PULL 22,400#	104 HP D	78,898	19.96	5.28	6.30	2.13	3.07 163
	L60RN002	F666	CABLE SKIDDER, LINE PULL 29,200#	132 HP D	91,136	24.34	5.88	6.82	2.47	3.90 217
	L60RN003	F667	CABLE SKIDDER, LINE PULL 33,400#	159 HP D	104,996	28.05	6.83	7.98	2.84	4.69 220
	L60RN004	F668	CABLE SKIDDER, LINE PULL 34,600#	217 HP D	140,691	40.02	8.51	9.40	3.81	6.41 346

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE ELEMENTS		FUEL	CWT					
					AVERAGE	STANDBY	OWNERSHIP	DEPR							
P10	<b>PILE EXTRACTORS &amp; LEADS</b>														
	*****														
	INTERNATIONAL CONST. EQUIP. (I.C.E)														
	P10IC001	216	EXTRACTOR, LINE PULL 30 TON	155 HP D	77,312	27.67	6.51	8.01	2.50	4.58	130				
	P10IC002	416L	EXTRACTOR, LINE PULL 40 TON	250 HP D	125,366	44.82	10.55	13.00	4.05	7.38	220				
	P10IC003	612	EXTRACTOR, LINE PULL 40 TON	250 HP D	142,016	49.48	11.95	14.72	4.59	7.38	226				
	P10IC004	812	EXTRACTOR, LINE PULL 50 TON	503 HP D	200,356	75.67	16.87	20.77	6.48	14.85	306				
	P10IC005	1412	EXTRACTOR, LINE PULL 100 TON	650 HP D	324,531	116.14	27.31	33.64	10.49	19.19	391				
	NO SPECIFIC MANUFACTURER														
	P10XX001		LEADS, 8" X 21", LENGTH 60'		12,464	4.48	1.05	1.29	0.40	0.00	57				
	P10XX002		LEADS, 8" X 26", LENGTH 60'		15,206	6.26	1.28	1.58	0.49	0.00	78				
	P10XX003		LEADS, 10" X 37", LENGTH 60'		25,295	10.08	2.13	2.62	0.82	0.00	135				
P20	<b>PILE HAMMERS, DOUBLE ACTING</b>														
	*****														
	INTERNATIONAL CONST. EQUIP. (I.C.E)														
	P20IC001	180	8,100 FT-LBS, MAXIMUM STROKE 4'9"	23 HP D	42,037	14.94	3.54	4.36	1.36	0.68	52				
	P20IC002	440	18,100 FT-LBS, MAXIMUM STROKE 4'8"	50 HP D	66,808	24.26	5.63	6.93	2.16	1.48	122				
	P20IC003	520	30,000 FT-LBS, MAXIMUM STROKE 5'11"	76 HP D	72,857	27.28	6.14	7.55	2.36	2.24	159				
	P20IC004	640	40,000 FT-LBS, MAXIMUM STROKE 6'8"	90 HP D	77,030	29.23	6.49	7.99	2.49	2.66	169				
	P20IC005	660	50,000 FT-LBS, MAXIMUM STROKE N/A	133 HP D	106,933	40.90	9.01	11.09	3.46	3.93	285				
	P20IC006	1070	70,000 FT-LBS, MAXIMUM STROKE 7'0"	136 HP D	119,853	45.29	10.08	12.42	3.87	4.01	255				
	MKT GEOTECHNICAL														
	P20MK001	DA-15C	9,350 FT-LBS, MAXIMUM STROKE 10'-6" DIESEL, (FUEL NOT INCLUDED)		48,338	16.45	4.07	5.01	1.56	0.00	60				
	P20MK002	5	1,000 FT-LBS, MAXIMUM STROKE 7" (ADD COMPRESSOR)	250 CFM A	14,883	5.21	1.25	1.54	0.48	0.00	17				
	P20MK003	6	2,500 FT-LBS, MAXIMUM STROKE 8-3/4" (ADD COMPRESSOR)	400 CFM A	18,896	6.65	1.59	1.96	0.61	0.00	31				
	P20MK004	7	4,150 FT-LBS, MAXIMUM STROKE 9-1/2" (ADD COMPRESSOR)	450 CFM A	23,525	8.30	1.98	2.44	0.76	0.00	42				
	P20MK005	9B3	8,750 FT-LBS, MAXIMUM STROKE 17"	600 CFM A	41,760	14.45	3.52	4.33	1.35	0.00	74				

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT			
					AVERAGE	STANDBY	DEPR	CFC					
P20	<b>PILE HAMMERS, DOUBLE ACTING</b> *****												
MKT GEOTECHNICAL													
3 - 73	P20MR005	9B3	8,750 FT-LBS, MAXIMUM STROKE 17" (ADD COMPRESSOR)	600 CFM A	41,760	14.45	3.52	4.33	1.35	0.00	74		
	P20MR006	10B3	13,100 FT-LBS, MAXIMUM STROKE 19" (ADD COMPRESSOR)	750 CFM A	43,524	15.19	3.67	4.51	1.41	0.00	114		
	P20MR007	11B3	19,150 FT-LBS, MAXIMUM STROKE 19" (ADD COMPRESSOR)	900 CFM A	50,073	17.38	4.22	5.19	1.62	0.00	141		
	VULCAN												
	P20VU001	50C	15,100 FT-LBS, MAXIMUM STROKE 15'-6" (ADD COMPRESSOR)	1250 CFM A	54,099	18.74	4.56	5.61	1.75	0.00	153		
	P20VU002	65CA	19,200 FT-LBS, MAXIMUM STROKE 15'-6" (ADD COMPRESSOR)	1450 CFM A	61,791	21.43	5.21	6.41	2.00	0.00	153		
	P20VU003	80C	24,450 FT-LBS, MAXIMUM STROKE 16'-6" (ADD COMPRESSOR)	1750 CFM A	66,488	23.14	5.60	6.89	2.15	0.00	184		
	P20VU004	100C	32,900 FT-LBS, MAXIMUM STROKE N/A'" (ADD COMPRESSOR)	2050 CFM A	81,511	28.34	6.87	8.45	2.64	0.00	232		
	P20VU005	140C	36,000 FT-LBS, MAXIMUM STROKE 15'-6" (ADD COMPRESSOR)	2150 CFM A	100,323	34.66	8.44	10.40	3.24	0.00	287		
	P20VU006	200C	50,200 FT-LBS, MAXIMUM STROKE 15'-6" (ADD COMPRESSOR)	2550 CFM A	144,481	49.62	12.16	14.98	4.67	0.00	398		
P25	<b>PILE HAMMERS, SINGLE ACTING</b> *****												
	MKT GEOTECHNICAL												
	P25MK001	DE-33/30/20B	28,050 FT-LBS, MAXIMUM STROKE 10'-6" DIESEL, (FUEL NOT INCLUDED)		53,327	17.16	4.49	5.53	1.72	0.00	78		
	P25MK002	DA-35C	21,050 FT-LBS, MAXIMUM STROKE 10'-6" DIESEL, (FUEL NOT INCLUDED)		61,243	19.85	5.16	6.35	1.98	0.00	113		
	P25MK003	DE-70B/50B	42,000 FT-LBS, MAXIMUM STROKE 10'-9" DIESEL, (FUEL NOT INCLUDED)		84,247	27.21	7.09	8.73	2.72	0.00	140		
VULCAN													

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP			FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC			
P25	PILE HAMMERS, SINGLE ACTING										
	VULCAN										
	P25VU001	1	15,000 FT-LBS (ADD COMPRESSOR)	750 CFM A	39,896	13.05	3.36	4.14	1.29	0.00	101
	P25VU002	06	19,500 FT-LBS (ADD COMPRESSOR)	900 CFM A	47,227	15.43	3.98	4.90	1.53	0.00	121
	P25VU003	08	26,000 FT-LBS (ADD COMPRESSOR)	1100 CFM A	57,298	18.70	4.82	5.94	1.85	0.00	175
	P25VU004	010	32,900 FT-LBS (ADD COMPRESSOR)	1350 CFM A	60,651	19.91	5.11	6.29	1.96	0.00	195
	P25VU005	012	39,000 FT-LBS (ADD COMPRESSOR)	1500 CFM A	68,384	22.25	5.76	7.09	2.21	0.00	215
	P25VU006	014	42,000 FT-LBS (ADD COMPRESSOR)	1750 CFM A	82,768	27.09	6.97	8.58	2.68	0.00	283
	P25VU007	016	48,750 FT-LBS (ADD COMPRESSOR)	1750 CFM A	93,227	30.39	7.84	9.66	3.01	0.00	320
	P25VU008	020	60,000 FT-LBS (ADD COMPRESSOR)	2150 CFM A	122,491	39.86	10.31	12.70	3.96	0.00	425
	P25VU009	030	90,000 FT-LBS (ADD COMPRESSOR)	2350 CFM A	139,041	45.18	11.70	14.41	4.49	0.00	575
P30	PILE HAMMERS, VIBRATORY										
	MKT GEOTECHNICAL										
	P30MK001	V-5B	MAXIMUM DRIVING FORCE 40 TON	113 HP D	78,632	29.24	6.62	8.15	2.54	3.34	108
	P30MK002	V-17	MAXIMUM DRIVING FORCE 80 TON	280 HP D	151,565	58.78	12.76	15.71	4.90	8.27	211
	P30MK003	V-20	MAXIMUM DRIVING FORCE 116 TON	350 HP D	182,805	71.37	15.39	18.95	5.91	10.33	239
	P30MK004	V-30	MAXIMUM DRIVING FORCE 160 TON	550 HP D	238,161	96.66	20.05	24.69	7.70	16.24	345
	P30MK005	V-36	MAXIMUM DRIVING FORCE 182 TON	650 HP D	266,933	109.63	22.47	27.67	8.63	19.19	440
P35	PIPELAYERS										
	CATERPILLAR										
	P35CA001	561D	15 FT BOOM, 40,000 LB CAP	105 HP D	148,303	29.58	8.77	9.06	4.24	1.72	357
	P35CA002	571G	18 FT BOOM, 60,000 LB CAP	200 HP D	237,921	48.16	14.06	14.53	6.79	3.28	502
	P35CA003	572G	18 FT BOOM, 90,000 LB CAP	200 HP D	257,957	51.84	15.25	15.76	7.37	3.28	605
	P35CA004	583K	20 FT BOOM, 140,000 LB CAP	300 HP D	341,181	69.37	20.16	20.84	9.74	4.92	905
P40	PLATFORMS, AERIAL WORK										
	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE OWNERSHIP		ELEMENTS	FUEL	CWT
					AVERAGE	STANDBY	DEPR	CPC			
P40			PLATFORMS, AERIAL WORK								
			GROVE								
	P40GV001	SM32700	SCISSOR,M-LIFT,26'HIGH,1500# CAP.	23 HP G	29,613	8.99	2.23	2.75	0.85	1.46	65
	P40GV002	SM31RT	SCISSOR,M-LIFT,25'HIGH,2000# CAP.	30 HP G	32,689	10.31	2.46	3.04	0.94	1.90	57
	P40GV003	SM42RT	SCISSOR,M-LIFT,36'HIGH,1500# CAP.	30 HP G	41,454	12.39	3.15	3.89	1.20	1.90	75
	P40GV004	MZ48B	BOOM,M-LIFT,42'HIGH, 600# CAP.	30 HP G	66,932	19.02	5.14	6.41	1.93	1.90	115
	P40GV005	MZ66A	BOOM,M-LIFT,60'HIGH, 750# CAP.	62 HP G	100,632	30.05	7.41	9.02	2.90	3.93	297
	P40GV006	MZ76	BOOM,M-LIFT,70'HIGH, 600# CAP.	62 HP G	122,079	34.94	9.14	11.23	3.52	3.93	360
	P40GV007	MZ90	BOOM,M-LIFT,84'HIGH, 600# CAP.	62 HP G	147,484	40.96	11.14	13.76	4.26	3.93	417
	P40GV008	MZ116B	BOOM,M-LIFT,110'HIGH,700# CAP.	62 HP G	207,356	55.26	15.77	19.58	5.98	3.93	430
	P40GV009	AMZ40XT	ART BOOM,M-LIFT,34.5'H,600# CAP,4WD	20 HP G	46,815	13.43	3.59	4.48	1.35	1.27	109
	P40GV010	AMZ50XT	ART BOOM,M-LIFT,43.5'H,600# CAP,4WD	33 HP G	58,055	17.17	4.46	5.57	1.67	2.09	157
	P40GV011	AMZ66XT	ART BOOM,M-LIFT,60'H,600# CAP,4WD	53 HP G	105,403	30.18	8.04	9.99	3.04	3.36	233
			REACH ALL								
	P40RE001	AP41MH	LINE TRUCK WITH AERIAL PLATFORM	165 HP G	67,424	30.36	5.18	6.46	1.95	10.47	160
P45			PUMPS, GROUT								
			CHEMGROUT								
	P45CG001	CG-050	GROUT PUMP,PORTABLE, 5 GPM, 100 PSI (ADD AIR COMPRESSOR)	15 CFM A	2,807	0.80	0.23	0.29	0.08	0.00	1
	P45CG002	CG-550	GROUT PLANT/MIXER, 5 GPM, 100 PSI (ADD AIR COMPRESSOR)	85 CFM A	4,945	1.43	0.40	0.52	0.14	0.00	3
	P45CG003	CG-500	GROUT PLANT, 1-20 GPM, 100 PSI (ADD AIR COMPRESSOR)	230 CFM A	13,139	3.67	1.06	1.38	0.37	0.00	11
	P45CG004	CG-600	COLLOIDAL PUMP/MIXER,20 GPM,100 PSI (ADD AIR COMPRESSOR)	450 CFM A	23,676	6.64	1.90	2.48	0.66	0.00	18
	P45CG005	CG-625	COLLOIDAL GROUT PUMP, 1.5 - 16 GPM (TRAILER MOUNTED)	22 HP D	25,537	8.04	2.04	2.65	0.71	0.96	26
P50			PUMPS, WATER, CENTRIFUGAL, TRASH								
	.10		SKID MOUNTED								

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
P50			PUMPS, WATER, CENTRIFUGAL, TRASH							
			*****							
	.10		SKID MOUNTED							
			-----							
	.11		ENGINE DRIVE							
			-----							
			HOMELITE							
			-----							
	P50H0001	121TP2	2" - 10,400 GPH AT 25' HEAD, TRASH	5 HP G	1,117	1.02	0.08	0.10	0.03	0.57
	P50H0002	RDT P2	2" - 10,400 GPH AT 25' HEAD, TRASH	6 HP D	1,833	0.78	0.14	0.17	0.05	0.25
	P50H0003	120TP3	3" - 19,680 GPH AT 25' HEAD, TRASH	8 HP G	1,349	1.52	0.10	0.12	0.04	0.91
	P50H0004	RDT P3	3" - 19,680 GPH AT 25' HEAD, TRASH	8 HP D	2,859	1.14	0.21	0.26	0.08	0.33
	P50H0005	160TP4	4" - 39,720 GPH AT 25' HEAD, TRASH	16 HP G	2,936	3.12	0.23	0.27	0.09	1.82
			WACKER							
			-----							
	P50WC001	PT 2R	2" DIA TRASH PUMP, 235GPM AT 100'HD	5 HP G	1,061	1.01	0.08	0.10	0.03	0.57
	P50WC002	PT 3R	3" DIA TRASH PUMP, 440GPM AT 95'HD	8 HP G	1,304	1.52	0.10	0.12	0.04	0.91
	P50WC003	PT 4H	4" DIA TRASH PUMP, 625GPM AT 87'HD	12 HP D	5,322	1.98	0.41	0.49	0.16	0.49
	P50WC004	PT 6DT	6" DIA TRASH PUMP, 1300GPM AT 100'HD	35 HP D	12,342	4.99	0.94	1.13	0.37	1.44
	.12		-----							
	.20		WHEEL MOUNTED							
			-----							
	.21		ENGINE DRIVE							
			-----							
	.22		ELECTRIC DRIVE							
			-----							
P55			PUMPS, WATER, SUBMERSIBLE							
			*****							

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
P55			PUMPS, WATER, SUBMERSIBLE							
	.01		ENGINE DRIVE							
	.02		ELECTRIC DRIVE							
			GORMAN-RUPP							
	P55GR001	S2A1	2" - 138 GPM AT 20' HEAD	2 HP E	1,863	0.43	0.12	0.14	0.05	0.08
	P55GR002	S3A1	3" - 278 GPM AT 20' HEAD	5 HP E	2,539	0.71	0.17	0.19	0.07	0.20
	P55GR003	S4A1	4" - 860 GPM AT 40' HEAD	25 HP E	10,197	3.17	0.67	0.74	0.30	1.01
	P55GR004	S6A1	6" - 1,950 GPM AT 40' HEAD	60 HP E	12,954	5.69	0.86	0.95	0.38	2.43
			MARLOW							
	P55ML001	2S11	2" - 84 GPM AT 20' HEAD	1 HP E	1,375	0.29	0.09	0.10	0.04	0.04
	P55ML002	3S22	3" - 190 GPM AT 20' HEAD	2 HP E	1,952	0.45	0.13	0.14	0.06	0.08
	P55ML003	4S83	4" - 550 GPM AT 25' HEAD	8 HP E	2,663	0.91	0.18	0.19	0.08	0.32
			WACKER							
	P55WC001	STP 2500	3" - 485 GPM AT 55' HEAD	3 HP E	2,887	0.94	0.19	0.21	0.08	0.12
	P55WC002	STP 4500	4" - 350 GPM AT 85' HEAD	6 HP E	3,439	1.27	0.23	0.25	0.10	0.24
	P55WC003	STP 8000	4" - 975 GPM AT 110' HEAD	11 HP E	3,651	1.64	0.25	0.27	0.11	0.45
P60			PUMPS, WATER, CENTRIF, DEWATERING							
	.10		SKID MOUNTED							
	.11		ENGINE DRIVE							
			HOMELITE							
	P60HO001	111S1.5	1-1/2" - 5,500 GPH AT 30' HEAD	3 HP G	509	0.58	0.05	0.05	0.02	0.34
	P60HO002	111S2	2" - 9,000 GPH AT 22' HEAD	3 HP G	696	0.61	0.05	0.06	0.02	0.34
	P60HO003	120S3	3" - 17,600 GPH AT 20' HEAD	8 HP G	1,194	1.49	0.10	0.11	0.04	0.91

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
P60			PUMPS, WATER, CENTRIF, DEWATERING							
			*****							
	.11		ENGINE DRIVE							
			MARLOW							
	P60ML001	4D2	465 GPM AT 40' HEAD	38 HP G	10,359	8.21	0.79	0.95	0.31	4.31
	P60ML002	4C7	500 GPM AT 100' HEAD	30 HP D	11,019	4.38	0.84	1.01	0.33	1.23
	P60ML003	6E4P	1100 GPM AT 40' HEAD	79 HP G	15,600	15.60	1.17	1.42	0.46	8.96
	P60ML004	6E4P	1100 GPM AT 40' HEAD	60 HP D	20,129	8.27	1.52	1.84	0.60	2.46
	P60ML005	8FB2-1	2320 GPM AT 20' HEAD	70 HP D	25,949	10.25	1.96	2.37	0.77	2.87
	P60ML006	10FA61-1	2320 GPM AT 20' HEAD	68 HP D	26,942	10.38	2.03	2.46	0.80	2.79
	.12		ELECTRIC DRIVE							
			-----							
	.20		WHEEL MOUNTED							
			-----							
	.21		ENGINE DRIVE							
			-----							
	.22		ELECTRIC DRIVE							
			-----							
P65			PUMPS, WATER, DIAPHRAGM							
			*****							
	.10		SKID MOUNTED							
			-----							
	.11		ENGINE DRIVE							
			-----							
			HOMELITE							
	P65HO001	111DP2	2" - 2,000 GPH AT 25' HEAD	3 HP G	1,078	0.71	0.08	0.10	0.03	0.34
	P65HO002	111DP3	3" - 4,800 GPH AT 25' HEAD	3 HP G	1,301	0.77	0.10	0.12	0.04	0.34

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
P65			PUMPS, WATER, DIAPHRAGM							
	.12		ELECTRIC DRIVE							
	.20		WHEEL MOUNTED							
	.21		ENGINE DRIVE							
	.22		ELECTRIC DRIVE							
P70			PUMPS, WATER (FOR CORE DRILLS)							
	.01		ENGINE DRIVE							
			ACKER DRILL							
	P70AD001	APS 11-5	6 GPM, UP TO 100 PSI	2 HP G	999	0.53	0.08	0.09	0.03	0.23
	.02		ELECTRIC DRIVE							2
R10			RIPPERS & HYDRAULIC BANK SLOPERS (does not include cost of point wear)							
			CATERPILLAR							
	R10CA001	D-3	RIPPER, THREE-SHANK; W/HYD-CONTROL	3,272	0.88	0.25	0.32	0.09	0.00	7
	R10CA002	D-3	RIPPER, SHANKS, EACH	182	0.05	0.02	0.02	0.01	0.00	1
	R10CA003	D-4	RIPPER, SINGLE-SHANK; W/HYD-CONTROL	6,059	1.58	0.47	0.60	0.17	0.00	12
	R10CA004	D-4	RIPPER, SHANKS, EACH	361	0.09	0.03	0.04	0.01	0.00	1
	R10CA005	D-5	RIPPER, SINGLE-SHANK; W/HYD-CONTROL	9,920	2.52	0.77	0.97	0.28	0.00	17

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT			
					AVERAGE	STANDBY	DEPR	CFC					
R10	RIPPERS & HYDRAULIC BANK SLOPERS (does not include cost of point wear)												
	*****												
	CATERPILLAR												
	R10CA006	D-5	RIPPER, SHANKS, EACH	715	0.18	0.06	0.07	0.02	0.00	2			
	R10CA007	D-6	RIPPER, MULTI-SHANK; W/HYD-CONTROL	13,630	3.45	1.06	1.34	0.39	0.00	35			
	R10CA008	D-6	RIPPER, SHANKS, EACH	715	0.18	0.06	0.07	0.02	0.00	2			
	R10CA009	D-7	RIPPER, MULTI-SHANK; W/HYD-CONTROL	22,346	5.61	1.74	2.20	0.64	0.00	65			
	R10CA010	D-7	RIPPER, SHANKS, EACH	1,218	0.30	0.09	0.12	0.03	0.00	3			
	R10CA011	D-8	RIPPER, SINGLE-SHANK; W/HYD-CNTL&SHNK	36,975	9.24	2.88	3.63	1.06	0.00	101			
	R10CA012	D-8	RIPPER, MULTI-SHANK; W/HYD-CONTROL	36,594	9.15	2.85	3.60	1.05	0.00	104			
	R10CA013	D-8	RIPPER, SHANKS, EACH	2,367	0.58	0.19	0.23	0.07	0.00	7			
	R10CA014	D-9	RIPPER, SINGLE-SHANK; W/HYD-CNTL&SHNK	41,651	10.46	3.25	4.09	1.20	0.00	100			
	R10CA015	D-9	RIPPER, MULTI-SHANK; W/HYD-CONTROL	39,552	9.95	3.09	3.89	1.14	0.00	108			
	R10CA016	D-9	RIPPER, SHANKS, EACH	2,543	0.63	0.20	0.25	0.07	0.00	8			
	R10CA017	D-10	RIPPER, SINGLE-SHANK	58,518	14.68	4.56	5.75	1.68	0.00	147			
	R10CA018	D-10	RIPPER, MULTI-SBANK	59,553	14.94	4.64	5.85	1.71	0.00	150			
	R10CA019	D-10	RIPPER, SHANKS, EACH	4,165	1.03	0.33	0.41	0.12	0.00	11			
	R10CA020	D-11N	RIPPER, SINGLE-SHANK	78,303	19.59	6.10	7.69	2.25	0.00	191			
	R10CA021	D-11N	RIPPER, MULTI-SHANK	73,755	18.49	5.75	7.25	2.12	0.00	206			
	R10CA022	D-11N	RIPPER, SHANKS, EACH	4,695	1.15	0.36	0.46	0.13	0.00	15			
	FIATALLIS												
	R10FI001	FD20	RIPPER, MULTI-SHANK (3), REAR	22,008	5.53	1.71	2.16	0.63	0.00	88			
	R10FI002	FD30	RIPPER, MULTI-SHANK (3), REAR	36,372	9.08	2.83	3.57	1.04	0.00	108			
	R10FI003	FD30B	RIPPER, MULTI-SHANK (3), HYD PITCH	45,350	11.31	3.53	4.46	1.30	0.00	108			
	R10FI004	FD40	RIPPER, MULTI-SHANK, HYD PITCH	46,214	11.63	3.60	4.54	1.33	0.00	200			
	R10FI005	FD40B	RIPPER, MULTI-SHANK, HYD PITCH	58,428	14.65	4.55	5.74	1.68	0.00	200			
	R10FI006	FD50	RIPPER, MULTI-SHANK, HYD PITCH	56,810	14.32	4.42	5.58	1.63	0.00	280			
R15	ROLLERS, TOWED - PNEUMATIC												
	*****												
	SOUTHWEST												
	R15SO001	C-50	60 TON CAPACITY, STATIC	90,637	16.71	5.38	5.67	2.54	0.00	309			
	R15SO002	C-75	75 TON CAPACITY, STATIC	99,979	18.43	5.79	5.97	2.80	0.00	347			
	R15SO003	C-100XL	100 TON CAPACITY, STATIC	140,769	26.00	8.42	8.95	3.94	0.00	551			

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
R30			ROLLERS, STATIC, SELF-PROPELLED							
	.01	PNEUMATIC								
		BOMAG								
	R30BO001	BW12R	68.3" WIDE, 9 TIRES, HYDROSTATIC	73 HP D	40,406	11.73	3.01	3.70	1.16	2.15
	R30BO002	BW16R	78.2" WIDE, 8 TIRES, HYDROSTATIC	103 HP D	82,905	22.32	6.18	7.62	2.37	3.04
	R30BO003	BW20R	78.2" WIDE, 8 TIRES, HYDROSTATIC	103 HP D	88,051	23.45	6.59	8.13	2.52	3.04
		CATERPILLAR								
	R30CA001	PS-110	84" WIDE, 11 TIRES	77 HP D	55,580	15.34	4.16	5.14	1.59	2.27
	R30CA002	PS-180	68" WIDE, 9 TIRES	77 HP D	56,828	15.56	4.29	5.32	1.63	2.27
		FERGUSON								
	R30FR001	SP-912	12 TON, 9 TIRES	85 HP D	44,476	13.04	3.32	4.10	1.27	2.51
	R30FR002	SP-915	15 TON, 9 TIRES	85 HP D	49,476	14.15	3.72	4.60	1.42	2.51
	R30FR003	SP-1118	18 TON, 11 TIRES, HYDROSTATIC	85 HP D	58,149	16.12	4.37	5.39	1.67	2.51
	R30FR004	SP-1130	30 TON, 11 TIRES, HYDROSTATIC	121 HP D	95,070	25.73	7.09	8.73	2.72	3.57
		HYSSTER								
	R30HY001	C530A	10-12.5 TON, 9 TIRES, POWERSHIFT	81 HP D	49,010	13.89	3.68	4.55	1.40	2.39
		INGRAM								
	R30IG001	9-2800-PB	12 TON, 9 TIRES, HYDROSTATIC	76 HP D	37,366	11.15	2.77	3.40	1.07	2.24
	R30IG002	9-3400-PB	15 TON, 9 TIRES, HYDROSTATIC	76 HP D	43,998	12.62	3.29	4.06	1.26	2.24
	R30IG003	11-2700-R	15 TON, 11 TIRES, HYDROSTATIC	80 HP D	47,094	13.51	3.50	4.30	1.35	2.36
	R30IG004	13-2300-R	15 TON, 13 TIRES, HYDROSTATIC	80 HP D	49,104	13.95	3.63	4.43	1.41	2.36
	R30IG005	9-5500-SB	25 TON, 9 TIRES, HYDROSTATIC	115 HP D	90,237	24.45	6.67	8.17	2.58	3.39
	R30IG006	9-6600-SB	30 TON, 9 TIRES, HYDROSTATIC	157 HP D	94,645	26.95	7.01	8.60	2.71	4.63
		INGERSOLL-RAND								
	R30IN001	PT-120R	13.5 TON, 9 TIRES, HYDROSTATIC	76 HP D	44,988	12.85	3.37	4.15	1.29	2.24
	R30IN002	PT-140A	14.0 TON, 9 TIRES, HYDROSTATIC	87 HP D	57,226	15.95	4.32	5.36	1.64	2.57
	.02	SMOOTH DRUM								

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP			FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC			
R30			ROLLERS, STATIC, SELF-PROPELLED								
	.02		SMOOTH DRUM								
			FERGUSON								
	R30FR005	35A	3-5 TON, TANDEM, HYDROSTATIC	50 HP D	33,163	8.18	2.24	2.62	0.93	1.48	83
	R30FR006	46A	4-6 TON, TANDEM, HYDROSTATIC	50 HP D	39,372	9.36	2.66	3.11	1.10	1.48	95
	R30FR007	5-8B	5-8 TON, TANDEM, HYDROSTATIC	85 HP D	58,466	14.29	3.95	4.61	1.64	2.51	131
	R30FR008	8-10.5B	8-10 TON, TANDEM, HYDROSTATIC	85 HP D	61,135	14.80	4.12	4.82	1.71	2.51	162
	R30FR009	8-12B	8-12 TON, TANDEM, HYDROSTATIC	85 HP D	64,075	15.38	4.33	5.06	1.80	2.51	171
	R30FR010	10-14B	10-14 TON, TANDEM, HYDROSTATIC	85 HP D	66,863	15.90	4.51	5.28	1.87	2.51	203
			HYSSTER								
	R30HY002	C330B	3-5 TON, TANDEM	48 HP D	37,450	8.92	2.53	2.95	1.05	1.42	86
	R30HY003	C330B	4-6 TON, TANDEM	48 HP D	44,315	10.24	2.99	3.50	1.24	1.42	96
	R30HY004	C340C	5-8 TON, TANDEM	80 HP D	54,455	13.36	3.68	4.30	1.53	2.36	140
	R30HY005	C340C	8-10 TON, TANDEM	80 HP D	58,135	14.06	3.93	4.59	1.63	2.36	162
	R30HY006	C350D	8-12 TON, TANDEM	80 HP D	64,841	15.34	4.38	5.12	1.82	2.36	173
	R30HY007	C350D	10-14 TON, TANDEM	80 HP D	68,654	16.06	4.63	5.42	1.92	2.36	215
			INTERNATIONAL/DRESSER								
	R30ID001	S3-5B	3-5 TON, TANDEM	44 HP D	36,660	8.62	2.48	2.89	1.03	1.30	78
	R30ID002	S4-6B	4-6 TON, TANDEM	44 HP D	44,290	10.08	2.99	3.49	1.24	1.30	90
	R30ID003	708	5-8 TON, TANDEM	87 HP D	59,923	14.46	3.98	4.65	1.65	2.57	133
	R30ID004	710	8-10 TON, TANDEM	87 HP D	62,864	15.22	4.24	4.96	1.76	2.57	170
	R30ID005	712	8-12 TON, TANDEM	87 HP D	66,778	15.97	4.51	5.27	1.87	2.57	176
	R30ID006	714	10-14 TON, TANDEM	87 HP D	71,055	16.79	4.80	5.61	1.99	2.57	222
			INGRAM								
	R30IG007	10-15T AE	10-15 TON, 3 WHEEL, ARTICULATED	76 HP D	57,180	13.72	3.86	4.51	1.60	2.24	197
	R30IG008	12T EB	12 TON, 3 WHEEL, 3" OVERLAP	76 HP D	59,752	14.20	4.03	4.71	1.67	2.24	195
	R30IG009	14T EB	14 TON, 3 WHEEL, 3" OVERLAP	76 HP D	63,980	15.02	4.32	5.05	1.79	2.24	215
	R30IG010	4-6T FB	4-6 TON, TANDEM	54 HP G	29,535	11.12	2.00	2.33	0.83	4.41	82
	R30IG011	5-6.5T FB	5-6.5 TON, TANDEM, PORTABLE	54 HP G	36,778	12.50	2.48	2.90	1.03	4.41	97
	R30IG012	6-9T GB	6-9 TON, TANDEM	80 HP D	47,011	11.93	3.18	3.71	1.32	2.36	133
	R30IG013	8-10T GB	8-10 TON, TANDEM	85 HP D	49,844	12.65	3.37	3.93	1.40	2.51	173
	R30IG014	8-12T HB	8-12 TON, TANDEM	80 HP D	54,771	13.40	3.69	4.32	1.53	2.36	172

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT	
					AVERAGE	STANDBY	DEPR	CFC			
R30	ROLLERS, STATIC, SELF-PROPELLED										
	.02	SMOOTH DRUM									
	INGRAM										
	R30IG015	10-14T HB	10-14 TON, TANDEM	80 HP D	57,948	14.01	3.91	4.57	1.62	2.36	
	ROSCO										
	R30RS001	DLX ROLLPAC III	1 TON, TANDEM, 34" WIDE	14 HP G	6,890	2.72	0.46	0.54	0.19	1.14	
	R30RS002	STAPAC III	2 TON, TANDEM, 40" WIDE	18 HP G	9,660	3.67	0.65	0.76	0.27	1.47	
	.03	TAMPING FOOT									
	CATERPILLAR										
	R30CA003	815B	LANDFILL COMPACTOR, 56"DIA X 38.5"L TAMPING FOOT, WITHOUT BLADE	210 HP D	191,066	44.25	12.89	15.08	5.35	6.20	
R40	R30CA004	816B	LANDFILL COMPACTOR, 63"D X 40"L CHOPPER WHEELS, WITH STRAIGHT BLADE	210 HP D	190,588	44.16	12.86	15.04	5.34	6.20	
	R30CA005	825C	LANDFILL COMPACTOR, 51" DIA X 44" L TAMPING FOOT, WITHOUT BLADE	310 HP D	283,510	65.59	19.13	22.37	7.94	9.15	
	R30CA006	825C	LANDFILL COMPACTOR, 51" DIA X 44" L TAMPING FOOT, WITH STRAIGHT BLADE	310 HP D	296,744	68.12	20.02	23.41	8.31	9.15	
	R30CA007	826C	LANDFILL COMPACTOR, 60"D X 48"L CHOPPER WHEELS, WITH STRAIGHT BLADE	310 HP D	299,851	68.72	20.23	23.66	8.40	9.15	
	ROLLERS, VIBRATORY, TOWED										
	CATERPILLAR										
	R40CA001	TSF-54 (PADS)	54"W X 30"D, PADFOOT, 5 TON	35 HP D	22,307	7.09	1.74	2.20	0.64	1.44	
	R40CA002	TSM	54"W X 30"D, 5 TON	35 HP D	20,273	6.62	1.58	2.00	0.58	1.44	
	HYSTER										
	R40HY001	C200B	48" DIAMETER X 60" WIDE	36 HP G	26,173	11.48	2.04	2.58	0.75	4.08	
	R40HY002	C210A (PADS)	58" DIAMETER X 60" WIDE	36 HP G	32,201	12.89	2.51	3.18	0.92	4.08	

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
R40			ROLLERS, VIBRATORY, TOWED							
			Hyster							
	R40HY003	C200B	48" DIAMETER X 60" WIDE	36 HP D	32,088	9.42	2.50	3.16	0.92	1.48
	R40HY004	C210A (PADS)	58" DIAMETER X 60" WIDE	36 HP D	38,116	10.82	2.97	3.76	1.09	1.48
			SOUTHWEST							
	R40SO001	566 SHEEPSFOOT	72" WIDE X 56" DIA., 25.5 TON	50 HP D	113,029	29.02	8.82	11.15	3.24	2.05
	R40SO002	756 SHEEPSFOOT	78" WIDE X 66" DIA., 23.5 TON	75 HP D	118,846	31.72	9.26	11.72	3.40	3.08
R45			ROLLERS, VIBRATORY, DOUBLE DRUM,							
			BOMAG							
	R45BO001	BW120AD	47.2" WIDE X 26.6" DIA., HYDROSTATIC	35 HP D	33,571	11.04	2.62	3.31	0.96	1.44
	R45BO002	BW141AD	55.9" WIDE X 41.3" DIA., HYDROSTATIC	74 HP D	71,976	23.61	5.61	7.10	2.06	3.03
	R45BO003	BW151AD	66.1" WIDE X 41.4" DIA., HYDROSTATIC	74 HP D	85,248	27.22	6.65	8.41	2.44	3.03
	R45BO004	BW161AD	66.0" WIDE X 47" DIA., HYDROSTATIC	102 HP D	93,431	30.97	7.29	9.21	2.68	4.18
	R45BO005	BW202AD	80.0" WIDE X 48" DIA., HYDROSTATIC	102 HP D	98,651	32.40	7.70	9.73	2.83	4.18
			CATERPILLAR							
	R45CA001	CB-214B	39.4" WIDE X 27.5" DIAMETER	33 HP D	27,652	9.31	2.16	2.73	0.79	1.35
	R45CA002	CB-244B	47.2" WIDE X 27.5" DIAMETER	33 HP D	32,642	10.67	2.54	3.22	0.93	1.35
	R45CA003	CB-314	44" WIDE X 30" DIAMETER	55 HP D	37,475	13.19	2.92	3.70	1.07	2.26
	R45CA004	CB-414	55" WIDE X 42" DIAMETER	70 HP D	77,711	24.96	6.06	7.66	2.23	2.87
	R45CA005	CB-434	56" WIDE X 43.5" DIAMETER	80 HP D	76,580	25.18	5.97	7.55	2.19	3.28
	R45CA006	CB-514	66" WIDE X 48" DIAMETER	91 HP D	97,653	31.52	7.62	9.63	2.80	3.73
	R45CA007	CB-534	67" WIDE X 51" DIAMETER	125 HP D	96,975	33.18	7.56	9.56	2.78	5.13
	R45CA008	CB-614	78" WIDE X 54" DIAMETER	155 HP D	117,956	40.52	9.20	11.63	3.38	6.36
			DYNAPAC							
	R45DY001	CC101	42" WIDE X 26" DIA., TANDEM, 2 TON	31 HP D	37,042	11.77	2.89	3.65	1.06	1.27
	R45DY002	CC211	57" WIDE X 41" DIA., TANDEM, 4 TON	72 HP D	90,417	28.52	7.05	8.92	2.59	2.95
	R45DY003	CC421	68" WIDE X 48" DIA., TANDEM, 12 TON	123 HP D	112,124	37.19	8.74	11.06	3.21	5.04

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
R45			ROLLERS, VIBRATORY, DOUBLE DRUM, *****							
			DYNAPAC							
	R45DY004	CC501	84" WIDE X 60" DIA., TANDEM, 18 TON	210 HP D	164,559	56.19	12.83	16.23	4.71	8.61
	R45DY005	CC511PD (PADS)	84" WIDE X 61" DIA., TANDEM, TF 22T	154 HP D	151,499	49.60	11.81	14.94	4.34	6.31
			HYSSTER							
	R45HY001	C727A	72" WIDE X 48" DIAMETER, TANDEM	130 HP D	95,660	33.09	7.46	9.43	2.74	5.33
	R45HY002	C766A	66" WIDE X 48" DIAMETER, TANDEM	102 HP D	96,059	31.68	7.49	9.47	2.75	4.18
			INTERNATIONAL/DRESSER							
	R45ID001	VOS2-42A	42" WIDE X 30" DIAMETER, HYDROSTATIC	41 HP D	40,834	13.35	3.19	4.03	1.17	1.68
	R45ID002	VOST2-42A	42" WIDE X 30" DIAMETER, HYDROSTATIC	41 HP D	47,254	15.09	3.68	4.66	1.35	1.68
	R45ID003	VOS2-66B	66" WIDE X 48" DIAMETER, HYDROSTATIC	120 HP D	106,635	35.54	8.31	10.52	3.05	4.92
			INGERSOLL-RAND							
	R45IN001	DD-23	39" WIDE X 28" DIAM., HYDROSTATIC	31 HP D	30,346	9.94	2.37	2.99	0.87	1.27
	R45IN002	DD-25	47" WIDE X 28" DIAM., HYDROSTATIC	31 HP D	34,186	10.99	2.67	3.37	0.98	1.27
	R45IN003	DD-35	40" WIDE X 30" DIAM., HYDROSTATIC	32 HP D	37,469	11.94	2.92	3.70	1.07	1.31
	R45IN004	DD-65	55" WIDE X 41" DIAM., HYDROSTATIC	70 HP D	83,005	26.41	6.48	8.19	2.38	2.87
	R45IN005	DD-90	66" WIDE X 48" DIAM., HYDROSTATIC	112 HP D	102,202	33.90	7.97	10.08	2.93	4.59
	R45IN006	DA-D50	75" WIDE X 50" DIAM., HYDROSTATIC	115 HP D	104,043	34.57	8.11	10.26	2.98	4.72
	R45IN007	DD-145	84" WIDE X 60" DIAM., HYDROSTATIC	156 HP D	142,298	47.21	11.10	14.03	4.08	6.40
			ROSCO							
	R45RS001	VIBRASTATT III	36" WIDE, 2 TON, TANDEM	18 HP G	10,924	5.67	0.85	1.08	0.31	2.04
	R45RS002	HYDRAPAC	46" WIDE, 2 TON, TANDEM, ARTICULATED	30 HP D	25,209	8.49	1.97	2.49	0.72	1.23
			TAMPO							
	R45TA001	RS-156A	56" WIDE X 42" DIA, HYDROSTATIC	78 HP D	74,196	24.44	5.79	7.32	2.13	3.20
	R45TA002	RS-166A	66" WIDE X 48" DIA, HYDROSTATIC	102 HP D	92,158	30.62	7.19	9.09	2.64	4.18
R50			ROLLERS, VIBRATORY, SINGLE DRUM *****							

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP			CWT														
					AVERAGE	STANDBY	DEPR	CFC	FUEL															
R50	<b>ROLLERS, VIBRATORY, SINGLE DRUM</b>																							
*****																								
BOMAG																								
	R50BO001	BW142D	56" WIDE X 42" DIA, HYDROSTATIC	51 HP D	69,374	20.79	5.36	6.74	1.99	2.09	98													
	R50BO002	BW172D	66" WIDE X 48" DIA, HYDROSTATIC	71 HP D	68,290	21.60	5.27	6.62	1.96	2.91	122													
	R50BO003	BW213D	83" WIDE X 59" DIA, HYDROSTATIC	119 HP D	97,889	31.93	7.51	9.41	2.80	4.88	231													
	R50BO004	BW217D	84" WIDE X 63" DIA, HYDROSTATIC	186 HP D	141,695	46.92	10.93	13.73	4.06	7.63	389													
CATERPILLAR																								
	R50CA001	CS-323	48" WIDE X 38" DIAMETER	77 HP D	58,990	19.49	4.57	5.76	1.69	3.16	92													
	R50CA002	CP-323 (PADS)	48" WIDE X 38" DIAMETER, PADFOOT	77 HP D	65,998	21.30	5.12	6.45	1.89	3.16	93													
	R50CA003	CS-413B	66" WIDE X 48" DIAMETER	102 HP D	66,264	22.75	5.11	6.42	1.90	4.18	139													
	R50CA004	CP-433B (PADS)	66" WIDE X 48" DIAMETER, PADFOOT	102 HP D	83,801	27.29	6.48	8.15	2.40	4.18	148													
	R50CA005	CS-433B	66" WIDE X 48" DIAMETER	102 HP D	76,816	25.49	5.94	7.47	2.20	4.18	142													
	R50CA006	CS-551	84" WIDE X 60" DIAMETER	155 HP D	90,738	32.07	6.95	8.69	2.60	6.36	230													
	R50CA007	CP-553 (PADS)	84" WIDE X 61" DIAMETER, PADFOOT	155 HP D	109,991	37.05	8.44	10.58	3.15	6.36	270													
	R50CA008	CS-553	84" WIDE X 51" DIAMETER	155 HP D	97,028	33.70	7.44	9.31	2.78	6.36	238													
	R50CA009	CS-563	84" WIDE X 60" DIAMETER	145 HP D	99,062	33.69	7.60	9.51	2.84	5.95	245													
	R50CA010	CP-563 (PADS)	84" WIDE X 51" DIAMETER, PADFOOT	145 HP D	110,154	36.56	8.46	10.60	3.16	5.95	255													
DYNAPAC																								
	R50DY001	CA-151D	66" WIDE X 48" DIA., 11 TON	98 HP D	82,602	26.78	6.39	8.04	2.37	4.02	142													
	R50DY002	CA-151PD (PADS)	66" WIDE X 48" DIA., 13 TON, TAMP FT	98 HP D	94,246	29.79	7.30	9.20	2.70	4.02	153													
	R50DY003	CA-251	66" WIDE X 48" DIA., 18 TON	151 HP D	100,258	34.34	7.67	9.59	2.87	6.19	212													
	R50DY004	CA-251PD (PADS)	84" WIDE X 60" DIA., 22 TON, TAMP FT	151 HP D	119,498	39.29	9.18	11.52	3.42	6.19	247													
	R50DY005	CA-301D	84" WIDE X 61" DIA., 22 TON	151 HP D	120,385	39.53	9.26	11.61	3.45	6.19	266													
HYSTER																								
	R50HY001	C610B	72" WIDE X 48" DIAMETER, DRUM DRIVE	80 HP D	69,519	22.37	5.05	6.12	1.99	3.28	149													
	R50HY002	C615B	72" WIDE X 48" DIAMETER, DRUM DRIVE	80 HP D	74,253	23.60	5.43	6.59	2.13	3.28	151													
	R50HY003	C620B	84" WIDE X 48" DIAMETER, DRUM DRIVE	80 HP D	76,523	24.18	5.60	6.81	2.19	3.28	163													
	R50HY004	C625B	84" WIDE X 48" DIAMETER, DRUM DRIVE	80 HP D	79,996	25.08	5.87	7.15	2.29	3.28	165													
	R50HY005	C830B	66.5" WIDE X 48" DIAMETER	107 HP D	65,627	23.24	4.75	5.73	1.88	4.39	133													
	R50HY006	C612B (PAD)	72" WIDE X 51" DIAMETER	82 HP D	75,301	24.40	5.51	6.69	2.16	3.36	167													
	R50HY007	C830B	66.5" WIDE X 48" DIAMETER, DRUM DRIVE	107 HP D	72,929	24.69	5.63	7.08	2.09	4.39	130													
	R50HY008	C832B (PAD)	66.5" WIDE X 67" DIAMETER, DRUM DRIVE	107 HP D	78,485	26.13	6.06	7.61	2.25	4.39	146													

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE OWNERSHIP ELEMENTS		FUEL	CWT							
					AVERAGE	STANDBY	DEPR	CFC									
R50	ROLLERS, VIBRATORY, SINGLE DRUM																
*****																	
HYSTER																	
	R50HY009	C850B	84" WIDE X 59" DIAMETER	145 HP D	93,915	32.32	7.20	9.02	2.69	5.95 208							
	R50HY010	C850B	84" WIDE X 59" DIAMETER, DRUM DRIVE	145 HP D	102,743	34.48	7.89	9.89	2.94	5.95 208							
	R50HY011	C860B	84" WIDE X 60" DIAMETER	145 HP D	107,163	35.76	8.24	10.33	3.07	5.95 243							
	R50HY012	C852B (PAD)	84" WIDE X 67" DIAMETER	145 HP D	111,540	36.94	8.53	10.68	3.19	5.95 235							
	R50HY013	C860B	84" WIDE X 60" DIAMETER, DRUM DRIVE	145 HP D	115,961	37.92	8.92	11.20	3.32	5.95 243							
	INTERNATIONAL/DRESSER																
	R50ID001	VOS66A	66" WIDE X 48" DIA., GEN'L PURPOSE	80 HP D	76,428	24.20	5.91	7.43	2.19	3.28 129							
	R50ID002	VOSD66A	66" WIDE X 48" DIA., DRUM DRIVE	80 HP D	83,372	25.94	6.45	8.11	2.39	3.28 131							
	R50ID003	VOSA66A	66" WIDE X 48" DIA., ASPHALT	80 HP D	83,871	26.13	6.49	8.17	2.40	3.28 133							
	R50ID004	VOSPD66A (PAD)	66" WIDE X 48" DIA., DRUM DRIVE	80 HP D	92,104	28.20	7.13	8.97	2.64	3.28 139							
	R50ID005	VOS84A	84" WIDE X 60" DIA., GEN'L PURPOSE	120 HP D	91,719	30.34	7.10	8.93	2.63	4.92 209							
	R50ID006	VOSA84A	84" WIDE X 60" DIA., ASPHALT	120 HP D	100,518	32.68	7.73	9.69	2.88	4.92 215							
	R50ID007	VOSD84A	84" WIDE X 60" DIA., DRUM DRIVE	120 HP D	101,491	32.80	7.86	9.89	2.91	4.92 215							
	R50ID008	VOSPD84A (PAD)	84" WIDE X 60" DIA., DRUM DRIVE	120 HP D	107,770	34.43	8.35	10.51	3.09	4.92 209							
	INGERSOLL-RAND																
	R50IN001	SD-40D	54" WIDE X 38" DIAM., HYDROSTATIC	54 HP D	57,421	17.85	4.43	5.57	1.64	2.21 96							
	R50IN002	SP-40F (PADS)	54" WIDE X 44" DIAM., HYDROSTATIC	54 HP D	61,323	18.86	4.74	5.95	1.76	2.21 100							
	TAMPO																
	R50TA001	RS-16-HD	60" WIDE X 48" DIA, HYDROSTATIC	78 HP D	66,530	21.52	5.14	6.46	1.91	3.20 124							
	R50TA002	RS-16A-HD	60" WIDE X 48" DIA, HYDROSTATIC	78 HP D	70,056	22.45	5.42	6.81	2.01	3.20 133							
	R50TA003	RP-16D-HD (PADS)	60" WIDE X 48" DIA, HYDROSTATIC	78 HP D	74,211	23.51	5.74	7.22	2.13	3.20 136							
	R50TA004	RS-58	84" WIDE X 60" DIA, HYDROSTATIC	132 HP D	90,522	30.73	6.94	8.69	2.59	5.41 208							
	R50TA005	RS-58A	84" WIDE X 60" DIA, HYDROSTATIC	132 HP D	98,732	32.86	7.59	9.51	2.83	5.41 208							
	R50TA006	RS-58D	84" WIDE X 60" DIA, HYDROSTATIC	132 HP D	95,556	32.04	7.33	9.18	2.74	5.41 222							
	R50TA007	RP-580D (PADS)	84" WIDE X 60" DIA, HYDROSTATIC	132 HP D	102,607	33.87	7.88	9.88	2.94	5.41 234							
	ROOFING EQUIPMENT																
*****																	

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
R55	ROOFING EQUIPMENT									
*****										
AEROIL PRODUCTS										
*****										
R55AE001 EZ LOAD 240 KETTLE, 240 GAL., WITH PUMP & COVER										
R55AE002 EZ LOAD 400 KETTLE, 400 GAL., WITH PUMP & COVER										
R55AE003 EZ LOAD 600 KETTLE, 600 GAL., WITH PUMP & COVER										
R55AE004 EZ LOAD 900 KETTLE, 900 GAL., WITH PUMP & COVER										
R55AE005 MODEL 52 CONVEYOR, HYDRAULIC, 52' HEIGHT										
R55AE006 MODEL 62 CONVEYOR, HYDRAULIC, 62' HEIGHT										
R55AE007 MODEL 68 CONVEYOR, HYDRAULIC, 68' HEIGHT										
R55AE008 MODEL S RHINO ROOF PEELER, 16" WIDE										
R55AE009 MARK I ROOF CUTTER, SINGLE BLADE, 3.75" DEPTH										
R55AE010 MARK II ROOF CUTTER, DOUBLE BLADE, 3.75" DEPTH										
*****										
GARLOCK										
*****										
R55GL001 MODEL 115 KETTLE, 115 GAL.										
R55GL002 MODEL 175 KETTLE, 175 GAL. WITH PUMP										
R55GL003 MODEL 400 KETTLE, 400 GAL. WITH PUMP										
R55GL004 MODEL 600 KETTLE, 600 GAL. WITH PUMP										
R55GL005 MODEL 62 CONVEYOR, HYDRAULIC, 62' HEIGHT										
R55GL006 MODEL 72 CONVEYOR, HYDRAULIC, 72' HEIGHT										
R55GL007 MODEL 1400 HOIST, HYDRAULIC SWING										
R55GL008 MODEL 86 POWER SWEEPER, 42" WIDTH										
R55GL009 MODEL 120 ROTARY PLANER, 12" PATH										
R55GL010 MODEL 21 ROOF CUTTER, 21", DOUBLE SAW										
R55GL011 MODEL 30 ROOF CUTTER, 30", DOUBLE SAW										
*****										
S10	SCRAPERS, ELEVATING									
*****										
.01 0 THRU 200 HP										
-----										
CATERPILLAR										
*****										
S10CA001 613-C 11 CY, 13 TON, POWERSHIFT										
175 HP D 166,377 40.43 10.86 12.39 4.66 5.31 330										
INTERNATIONAL/DRESSER										

**TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (AVERAGE CONDITIONS)**

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP			CWT
					AVERAGE	STANDBY	DEPR	CFC	FUEL	
S10			SCRAPERS, ELEVATING							
	.01		0 THRU 200 HP							
			INTERNATIONAL/DRESSER							
	S10ID001	412B	11 CY, POWERSHIFT	165 HP D	157,557	38.63	10.23	11.64	4.41	5.01
			JOHN DEERE							
	S10JD001	762B	11 CY, 13.7 TON, POWERSHIFT	180 HP D	146,650	36.93	9.54	10.85	4.11	5.46
	.02		OVER 200 HP							
			CATERPILLAR							
	S10CA002	615-C	16 CY, 19 TON, POWERSHIFT	265 HP D	251,360	59.61	16.73	19.83	6.81	8.04
	S10CA003	623-E	22 CY, 25 TON, POWERSHIFT	365 HP D	354,681	84.54	23.46	27.70	9.61	11.07
			FIATALLIS							
	S10FI001	161	15 CY, 18.7 TON, POWERSHIFT	229 HP D	207,437	50.15	13.71	16.17	5.62	6.95
	S10FI002	261B	23 CY, 26.5 TON, POWERSHIFT	325 HP D	310,924	73.91	20.64	24.43	8.42	9.86
			JOHN DEERE							
	S10JD002	862B	16 CY, 20.0 TON, POWERSHIFT	265 HP D	208,094	51.71	13.76	16.23	5.64	8.04
S15			SCRAPERS, CONVENTIONAL							
			CATERPILLAR							
	S15CA001	621-E	14-20 CY, 24 TON, POWERSHIFT	330 HP D	319,113	75.30	21.01	24.71	8.65	8.93
	S15CA002	631-E	21-31 CY, 37.5 TON, POWERSHIFT	450 HP D	505,233	116.27	33.32	39.26	13.69	12.18
	S15CA003	651-E	32-44 CY, 52 TON, POWERSHIFT	550 HP D	661,766	150.15	43.77	51.67	17.93	14.88
			FIATALLIS							
	S15FI001	260B	15-21 CY, 25 TON, POWERSHIFT	330 HP D	274,226	66.29	18.07	21.27	7.43	8.93

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT						
					AVERAGE	STANDBY	DEPR	CFC								
<b>S15 SCRAPERS, CONVENTIONAL</b>																
*****																
KOMATSU																
*****																
	S15KM001	WS23S-2	21-31 CY, PUSH PULL	450 HP D	517,133	117.42	34.32	40.61	14.01	12.18						
TEREX																
*****																
	S15TE001	S24C	24-34 CY, 40.8 TON	480 HP D	499,427	116.98	32.79	38.52	13.53	12.99						
<b>S20 SCRAPERS, TANDEM POWERED</b>																
*****																
CATERPILLAR																
*****																
	S20CA001	627-E	14-20 CY, 24 TON, POWERSHIFT (WITH CARRIER ENGINE)	225 HP D	368,121	92.25	24.33	28.71	9.97	12.92						
	S20CA002	627-E PP	14-20 CY, 24 TON, PUSH-PULL, PS (WITH CARRIER ENGINE)	225 HP D	390,827	96.35	25.90	30.62	10.59	12.92						
	S20CA003	637-E	21-31 CY, 37.5 TON, POWERSHIFT (WITH CARRIER ENGINE)	450 HP D	639,076	154.35	42.56	50.50	17.31	20.09						
	S20CA004	637-E PP	21-31 CY, 37.5 TON, PUSH-PULL,PS (WITH CARRIER ENGINE)	450 HP D	665,377	159.10	44.39	52.71	18.03	20.09						
	S20CA005	657-E	32-44 CY, 52 TON, POWER SHIFT (WITH CARRIER ENGINE)	550 HP D	799,066	195.45	53.25	63.20	21.65	27.27						
	S20CA006	657-E PP	32-44 CY, 52 TON, PUSH-PULL, PS (WITH CARRIER ENGINE)	550 HP D	847,601	204.20	56.60	67.28	22.96	27.27						
KOMATSU																
*****																
	S20KM001	WS23-2	21-31 CY (WITH CARRIER ENGINE)	399 HP D	576,737	146.65	38.26	45.26	15.63	22.90						
TEREX																
*****																
	S20TE001	TS-14B	14-20 CY, 23.5 TON (WITH CARRIER ENGINE)	144 HP D	310,655	74.34	20.56	24.27	8.42	8.27						
	S20TE002	TS-24C	24-34 CY, 40.8 TON (WITH CARRIER ENGINE)	480 HP D	620,070	153.43	41.13	48.66	16.80	21.24						
				260 HP D												

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP			FUEL	CWT			
					AVERAGE	STANDBY	DEPR	CFC						
S25	SCRAPERS, TRACTOR DRAWN													
	*****													
	ROME													
	S25RM001	R67H	12-18 CY, 18 TON, WITH HYDRAULICS (ADD TRACTOR)	91,065	16.65	5.21	5.39	2.51	0.00	235				
	S25RM002	R89H	18-26 CY, 27 TON, WITH HYDRAULICS (ADD TRACTOR)	101,739	19.11	5.62	5.61	2.81	0.00	373				
S35	SNOW REMOVAL EQUIPMENT													
	*****													
	AMERICAN ROAD MACHINERY													
	S35AR001	112	REVERSIBLE SNOW PLOW (ADD DUMP TRK)	2,379	0.56	0.19	0.23	0.07	0.00	15				
	S35AR002	713	1-WAY TRIP SNOW PLOW (ADD DUMP TRK)	3,875	0.91	0.30	0.38	0.11	0.00	20				
S40	SOIL STABILIZERS													
	*****													
	BOMAG													
	S40BO001	MPH-100R	14.5" DEEP X 79" WIDE, HYDROSTATIC	345 HP D	213,856	56.68	14.26	16.53	5.99	10.47	313			
	CATERPILLAR													
	S40CA001	RR250	12" DEEP X 96" WIDE, HYDROSTATIC	335 HP D	196,523	52.44	13.04	15.05	5.51	10.16	393			
	S40CA002	SS250	18" DEEP X 96" WIDE, HYDROSTATIC	335 HP D	176,690	48.59	11.72	13.54	4.95	10.16	265			
S45	SPLITTERS, ROCK & CONCRETE													
	*****													
	DARDA													
	S45DA001	02-2	220 TON, S FORCE, SIZE 2,(ADD COMP) 1-3/16" DIA., 12" DEEP HOLE REQ'D	80 CFM A	9,895	4.47	0.95	1.29	0.30	0.00	2			
	S45DA002	02-7	220 TON, S FORCE, SIZE 7,(ADD COMP)	80 CFM A	11,628	5.16	1.11	1.52	0.35	0.00	2			

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURS RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
S45			SPLITTERS, ROCK & CONCRETE							
			DARDA							
	S45DA002	02-7	220 TON, S FORCE, SIZE 7,(ADD COMP) 1-3/4" DIA., 18" DEEP HOLE REQ'D	80 CFM A	11,628	5.16	1.11	1.52	0.35	0.00
	S45DA003	02-8S	350 TON, S FORCE, SIZE 8,(ADD COMP) 1-3/4" DIA., 26" DEEP HOLE REQ'D	80 CFM A	11,958	5.37	1.14	1.56	0.36	0.00
T10			TRACTOR BLADES & ATTACHMENTS							
			CATERPILLAR							
	T10CA001	3B	BLADE, POWER ANGLE TILT, FOR D3	9,572	1.92	0.65	0.75	0.27	0.00	24
	T10CA002	53	WINCH, (ADD CABLE), FOR D3 TRACTOR	6,927	1.40	0.46	0.54	0.19	0.00	9
	T10CA003	4S	BLADE, STRAIGHT, HYDRAULIC, FOR D4	11,659	2.33	0.79	0.92	0.33	0.00	34
	T10CA004	4A	BLADE, ANGLE, HYDRAULIC, FOR D4	11,895	2.36	0.80	0.93	0.33	0.00	34
	T10CA005	54	WINCH, (ADD CABLE), FOR D4 TRACTOR	20,264	3.97	1.37	1.59	0.57	0.00	20
	T10CA006	5S	BLADE, STRAIGHT, HYDRAULIC, FOR D5	13,929	2.75	0.94	1.09	0.39	0.00	41
	T10CA007	5A	BLADE, ANGLE, HYDRAULIC, FOR D5	14,172	2.80	0.96	1.11	0.40	0.00	42
	T10CA008	55	WINCH, (ADD CABLE), FOR D5 TRACTOR	17,338	3.41	1.17	1.36	0.49	0.00	22
	T10CA009	6S	BLADE, STRAIGHT, HYDRAULIC, FOR D6	18,652	3.66	1.26	1.47	0.52	0.00	52
	T10CA010	6A	BLADE, ANGLE, HYDRAULIC, FOR D6	20,655	4.05	1.39	1.62	0.58	0.00	63
	T10CA011	56	WINCH, (ADD CABLE), FOR D6 TRACTOR	23,359	4.58	1.58	1.84	0.66	0.00	32
	T10CA012	7S	BLADE, STRAIGHT, HYDRAULIC, FOR D7	26,660	5.21	1.80	2.10	0.75	0.00	76
	T10CA013	7U	BLADE, UNIVERSAL, HYDRAULIC, FOR D7	29,337	5.72	1.98	2.31	0.82	0.00	87
	T10CA014	7A	BLADE, ANGLE, HYDRAULIC, FOR D7	27,748	5.41	1.87	2.18	0.78	0.00	80
	T10CA015	57	WINCH, (ADD CABLE), FOR D7 TRACTOR	28,982	5.67	1.95	2.28	0.81	0.00	41
	T10CA016	8S	BLADE, STRAIGHT, HYDRAULIC, FOR D8	35,496	6.94	2.40	2.79	1.00	0.00	126
	T10CA017	8U	BLADE, UNIVERSAL, HYDRAULIC, FOR D8	37,757	7.39	2.55	2.97	1.06	0.00	136
	T10CA018	8A	BLADE, ANGLE, HYDRAULIC, FOR D8	34,873	6.83	2.35	2.74	0.98	0.00	136
	T10CA019		BLADE, PUSH PLATE FOR D8	1,173	0.27	0.08	0.09	0.03	0.00	6
	T10CA020	58	WINCH, (ADD CABLE), FOR D8 TRACTOR	28,100	5.55	1.90	2.21	0.79	0.00	47
	T10CA021	9SU	BLADE, SEMI-U, HYDRAULIC, FOR D9	46,413	9.11	3.13	3.65	1.30	0.00	155
	T10CA022	9U	BLADE, UNIVERSAL, HYDRAULIC, FOR D9	48,167	9.45	3.25	3.79	1.35	0.00	153
	T10CA023	59	WINCH, (ADD CABLE), FOR D9 TRACTOR	31,761	6.31	2.14	2.50	0.89	0.00	45
	T10CA024	10SU	BLADE, SEMI-U, HYDRAULIC, FOR D10	63,747	12.53	4.30	5.01	1.79	0.00	231
	T10CA025	10U	BLADE, UNIVERSAL, HYDRAULIC, FOR D10	68,557	13.46	4.62	5.39	1.92	0.00	251

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT						
					AVERAGE	STANDBY	DEPR	CFC								
<b>T10 TRACTOR BLADES &amp; ATTACHMENTS</b>																
*****																
CATERPILLAR																
*****																
T10	T10CA026	11S	BLADE, STRAIGHT, HYDRAULIC, FOR D11	91,456	17.98	6.17	7.19	2.57	0.00	351						
	T10CA027	11U	BLADE, UNIVERSAL, HYDRAULIC, FOR D11	99,586	19.55	6.71	7.83	2.79	0.00	400						
	INTERNATIONAL/DRESSER															
	T10ID001	15D-2	BLADE, SEMI-U, HYDRAULIC, FOR 15D-2	15,585	3.04	1.05	1.22	0.44	0.00	45						
	T10ID002	15G-2	BLADE, ANGLE, HYDRAULIC, FOR 15G-2	17,663	3.45	1.20	1.39	0.50	0.00	48						
	T10ID003	20D-2	BLADE, SEMI-U, HYDRAULIC, FOR 20D-2	25,970	5.04	1.75	2.04	0.73	0.00	61						
	T10ID004	20G-2	BLADE, ANGLE, HYDRAULIC, FOR 20G-2	28,270	5.48	1.90	2.22	0.79	0.00	71						
	T10ID005	25D-2	BLADE, SEMI-U, HYDRAULIC, FOR 25D-2	35,868	7.00	2.42	2.82	1.01	0.00	114						
	T10ID006	25G-2	BLADE, ANGLE, HYDRAULIC, FOR 25G-2	38,438	7.51	2.59	3.02	1.08	0.00	115						
T10	T10ID007	40	BLADE, SEMI-U, HYDRAULIC, FOR 40	37,804	7.34	2.55	2.97	1.06	0.00	192						
	T10ID008	40	BLADE, ANGLE, HYDRAULIC, FOR 40	42,420	8.28	2.86	3.33	1.19	0.00	210						
KOMATSU																
T10KM001	D31E-18	BLADE, ANGLE TILT, FOR D31E-18	11,141	2.29	0.75	0.88	0.31	0.00	20							
T10KM002	D37E-2	BLADE, ANGLE TILT, FOR D37E-2	11,418	2.35	0.77	0.90	0.32	0.00	24							
T10KM003	D58E-1	BLADE, ANGLE TILT, FOR D58E-1	11,919	2.44	0.80	0.94	0.33	0.00	42							
T10KM004	D63E-1	BLADE, ANGLE TILT, FOR D63E-1	13,427	2.74	0.91	1.06	0.38	0.00	61							
T10KM005	D68E-1	BLADE, ANGLE TILT, FOR D68E-1	16,403	3.33	1.11	1.29	0.46	0.00	99							
T10KM006	D83E-1	BLADE, ANGLE TILT, FOR D83E-1	23,426	4.68	1.58	1.84	0.66	0.00	99							
T10KM007	D83E-1	BLADE, U-DOZER, FOR D83E-1	28,825	5.74	1.95	2.27	0.81	0.00	104							
T10	T10KM008	D85E-21	BLADE, ANGLE TILT, FOR D85E-21	28,235	5.67	1.90	2.22	0.79	0.00	85						
	T10KM009	D85E-21	BLADE, U-DOZER, FOR D85E-21	33,736	6.83	2.28	2.65	0.95	0.00	77						
	T10KM010	D155A-2	BLADE, ANGLE TILT, FOR D155A-2	29,902	6.09	2.02	2.35	0.84	0.00	140						
	T10KM011	D155A-2	BLADE, U-DOZER, FOR D155A-2	43,671	8.79	2.95	3.43	1.23	0.00	142						
	T10KM012	D355A-5	BLADE, U-DOZER, FOR D355A-5	49,337	9.93	3.32	3.88	1.38	0.00	196						
	T10KM013	D355A-5	BLADE, STRAIGHT, FOR D355A-5	44,509	8.96	3.00	3.50	1.25	0.00	184						
	T10KM014	D375A-1	BLADE, U-DOZER, FOR D375A-1	58,335	11.86	3.94	4.59	1.64	0.00	229						
	T10KM015	D375A-1	BLADE, ANGLE TILT, FOR D375A-1	44,129	8.88	2.98	3.47	1.24	0.00	195						
	T10KM016	D475A-1	BLADE, STRAIGHT, FOR D475A-1	73,214	14.76	4.93	5.75	2.05	0.00	240						
<b>T15 TRACTORS, CRAWLER (DOZER) (add attachments as required)</b>																
*****																
.01 0 THRU 225 HP																

**TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (AVERAGE CONDITIONS)**

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES		ADJUSTABLE OWNERSHIP	ELEMENTS	FUEL	CWT	
					AVERAGE	STANDBY					
T15			TRACTORS, CRAWLER (DOZER) (add attachments as required)								
	.01		0 THRU 225 HP								
			CATERPILLAR								
	T15CA001	D-3B	POWERSHIFT, (ADD BLADE)	65 HP D	44,386	13.06	2.92	3.25	1.29	2.08	132
	T15CA002	D-3B LGP	LOW GROUND PRESSURE, (ADD BLADE)	65 HP D	50,657	14.51	3.33	3.71	1.47	2.08	145
	T15CA003	D-3C	POWERSHIFT, (ADD BLADE)	67 HP D	47,856	13.95	3.15	3.51	1.39	2.14	146
	T15CA004	D-4H	POWERSHIFT, (ADD BLADE)	95 HP D	62,825	18.62	4.13	4.61	1.82	3.04	187
	T15CA005	D-4H LGP	LOW GROUND PRESSURE, (ADD BLADE)	95 HP D	70,699	20.43	4.64	5.18	2.05	3.04	213
	T15CA006	D-5H	POWERSHIFT, (ADD BLADE)	120 HP D	103,406	29.07	6.79	7.58	3.00	3.84	235
	T15CA007	D-5H LGP	LOW GROUND PRESSURE, (ADD BLADE)	120 HP D	117,276	32.27	7.70	8.60	3.40	3.84	283
	T15CA008	D-6D	POWERSHIFT, (ADD BLADE)	140 HP D	117,030	33.07	7.68	8.58	3.39	4.48	288
	T15CA009	D-6D SA	SPECIAL APPLICATION, (ADD BLADE)	165 HP D	136,601	38.68	8.97	10.01	3.96	5.28	302
	T15CA010	D-6H	POWERSHIFT, (ADD BLADE)	165 HP D	141,054	39.71	9.26	10.34	4.09	5.28	324
	T15CA011	D-6H LGP	LOW GROUND PRESSURE, (ADD BLADE)	165 HP D	163,243	44.82	10.72	11.97	4.73	5.28	372
	T15CA012	D-7G	POWERSHIFT, (ADD BLADE)	200 HP D	183,125	50.92	12.02	13.42	5.31	6.40	384
	T15CA013	D-7H	POWERSHIFT, (ADD BLADE)	215 HP D	208,223	57.37	13.66	15.26	6.03	6.88	415
	T15CA014	D-7H LGP	LOW GROUND PRESSURE, (ADD BLADE)	215 HP D	239,420	64.57	15.72	17.55	6.94	6.88	470
			CASE								
	T15CS001	450C	WITH POWER ANGLE TILT BLADE, PS	63 HP D	49,543	14.17	3.26	3.63	1.44	2.01	114
	T15CS002	850D	WITH HYDR ANGLE TILT BLADE, PS/TC	82 HP D	72,618	20.30	4.76	5.32	2.10	2.62	192
	T15CS003	850D LGP	WITH HYDR ANGLE TILT BLADE, PS/TC	82 HP D	77,287	21.39	5.08	5.67	2.24	2.62	192
	T15CS004	1150E	WITH HYDR ANGLE TILT BLADE, PS/TC	113 HP D	102,017	28.44	6.70	7.48	2.96	3.61	247
	T15CS005	1150E LGP	WITH HYDR ANGLE TILT BLADE, PS/TC	113 HP D	112,909	30.95	7.41	8.28	3.27	3.61	247
	T15CS006	1450B	WITH HYDR ANGLE TILT BLADE, PS	140 HP D	140,483	38.48	9.22	10.30	4.07	4.48	345
			FIATALLIS								
	T15FI001	FD5	WITH POWER ANGLE TILT BLADE, PS	70 HP D	57,491	16.31	3.78	4.21	1.67	2.24	140
	T15FI002	FD7	WITH POWER ANGLE TILT BLADE, PS	84 HP D	67,503	19.23	4.44	4.95	1.96	2.69	171
	T15FI003	FD9	WITH SEMI-U TILT BLADE, PS	107 HP D	101,263	27.99	6.64	7.42	2.93	3.42	237
	T15FI004	10C	WITH HYDRAULIC SEMI-U TILT BLADE, PS	122 HP D	115,982	32.04	7.61	8.50	3.36	3.90	279
	T15FI005	10C LGP	WITH STRAIGHT HYDR TILT BLADE, PS	122 HP D	128,443	34.91	8.43	9.41	3.72	3.90	327
	T15FI006	14C	WITH HYDRAULIC SEMI-U TILT BLADE, PS	150 HP D	152,252	41.63	9.99	11.16	4.41	4.80	332
	T15FI007	14C LGP	WITH STRAIGHT HYDR TILT BLADE, PS	150 HP D	176,009	47.11	11.55	12.90	5.10	4.80	412
	T15FI008	FD20	WITH HYDRAULIC SEMI-U TILT BLADE, PS	223 HP D	224,682	61.51	14.75	16.47	6.51	7.13	533

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
T15			TRACTORS, CRAWLER (DOZER) (add attachments as required)							
	.01		0 THRU 225 HP							
			INTERNATIONAL/DRESSER							
	T15ID001	TD-7-G	WITH HYDRAULIC BLADE, POWERSHIFT	70 HP D	59,823	16.84	3.92	4.38	1.73	2.24
	T15ID002	TD-8-G	WITH HYDRAULIC BLADE, POWERSHIFT	80 HP D	77,272	21.29	5.07	5.66	2.24	2.56
	T15ID003	TD-12	WITH HYDRAULIC BLADE, POWERSHIFT	110 HP D	116,584	31.68	7.66	8.55	3.38	3.52
	T15ID004	TD-15-C	POWERSHIFT, (ADD BLADE)	140 HP D	129,091	35.85	8.47	9.46	3.74	4.48
	T15ID005	TD-20-G	POWERSHIFT, (ADD BLADE)	225 HP D	206,947	57.51	13.59	15.17	6.00	7.20
			JOHN DEERE							
	T15JD001	400G	WITH POWER ANGLE TILT BLADE	60 HP D	44,520	12.87	2.92	3.26	1.29	1.92
	T15JD002	450G	WITH 6405 HYDRAULIC BLADE, PS	70 HP D	51,694	14.97	3.40	3.79	1.50	2.24
	T15JD003	550G	WITH 6405 HYDRAULIC BLADE, PS	80 HP D	57,205	16.67	3.76	4.19	1.66	2.56
	T15JD004	650G	WITH 6405 HYDRAULIC BLADE, PS	90 HP D	64,156	18.71	4.21	4.70	1.86	2.88
	T15JD005	750B	WITH 6525 STRAIGHT W/TILT BLADE	120 HP D	96,835	27.55	6.36	7.10	2.81	3.84
	T15JD006	750B LGP	WITH 6525 HYDRAULIC TILT BLADE	120 HP D	100,992	28.51	6.63	7.40	2.93	3.84
	T15JD007	850B	WITH 6545 HYDRAULIC TILT BLADE	165 HP D	127,029	36.47	8.34	9.31	3.68	5.28
	T15JD008	850B LGP	WITH HYDRAULIC TILT BLADE	165 HP D	142,011	39.93	9.33	10.41	4.12	5.28
			KOMATSU							
	T15KM001	D31E-18	HYDROSHIFT, (ADD BLADE)	70 HP D	57,895	16.40	3.80	4.24	1.68	2.24
	T15KM002	D37E-2	HYDROSHIFT, (ADD BLADE)	75 HP D	64,582	18.15	4.24	4.73	1.87	2.40
	T15KM003	D58E-1	HYDROSHIFT, (ADD BLADE)	130 HP D	131,160	35.90	8.61	9.61	3.80	4.16
	T15KM004	D63E-1	POWERSHIFT, (ADD BLADE)	140 HP D	149,995	40.67	9.85	10.99	4.35	4.48
	T15KM005	D68E-1	POWERSHIFT, (ADD BLADE)	180 HP D	195,246	52.85	12.82	14.31	5.66	5.76
	T15KM006	D83E-1	POWERSHIFT, (ADD BLADE)	205 HP D	226,113	61.05	14.84	16.57	6.55	6.56
	T15KM007	D85E-21	POWERSHIFT, (ADD BLADE)	225 HP D	243,412	65.91	15.97	17.84	7.05	7.20
	.02		226 HP THRU 425 HP							
			CATERPILLAR							
	T15CA015	D-8L	POWERSHIFT, (ADD BLADE)	335 HP D	285,723	74.73	19.25	22.46	8.02	10.71
	T15CA016	D-8N	POWERSHIFT, (ADD BLADE)	285 HP D	263,568	67.95	17.75	20.72	7.39	9.11
	T15CA017	D-9N	POWERSHIFT, (ADD BLADE)	370 HP D	340,819	87.92	22.96	26.79	9.56	11.83

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
T15			TRACTORS, CRAWLER (DOZER) (add attachments as required)							
	.02	226 HP THRU 425 HP								
			FIATALLIS							
		T15FI009	FD30 WITH SEMI-U BLADE, POWERSHIFT	300 HP D 293,286	74.91	19.76	23.05	8.23	9.59	737
		T15FI010	FD30B WITH SEMI-U BLADE, POWERSHIFT	340 HP D 304,465	78.93	20.51	23.93	8.54	10.87	698
			INTERNATIONAL/DRESSER							
		T15ID006	TD-25-G POWERSHIFT, (ADD BLADE)	320 HP D 282,026	73.33	19.00	22.17	7.91	10.23	618
			KOMATSU							
		T15KM008	D155A-2 POWERSHIFT, (ADD BLADE)	320 HP D 310,863	79.48	20.94	24.43	8.72	10.23	658
		T15KM009	D355A-5 POWERSHIFT, (ADD BLADE)	404 HP D 451,042	112.86	30.38	35.45	12.65	12.92	1,059
	.03	OVER 425 HP								
			CATERPILLAR							
		T15CA018	D-10N POWERSHIFT, (ADD BLADE)	520 HP D 446,074	107.45	27.50	31.23	11.88	16.63	1,038
		T15CA019	D-11N POWERSHIFT, (ADD BLADE)	770 HP D 770,973	180.59	47.52	53.97	20.53	24.62	1,622
			FIATALLIS							
		T15FI011	FD40 WITH SEMI-U BLADE, POWERSHIFT	455 HP D 476,455	110.77	29.37	33.35	12.69	14.55	1,101
		T15FI012	FD40B WITH HYDR SEMI-U BLADE, POWERSHIFT	475 HP D 499,028	115.96	30.76	34.93	13.29	15.19	1,153
		T15FI013	FD50 WITH HYDR SEMI-U BLADE, POWERSHIFT	525 HP D 593,161	136.27	36.56	41.52	15.80	16.79	1,291
			INTERNATIONAL/DRESSER							
		T15ID007	TD-40 POWERSHIFT, (ADD BLADE)	460 HP D 387,273	93.61	23.87	27.11	10.31	14.71	940
			KOMATSU							
		T15KM010	D375A-1 POWERSHIFT, (ADD BLADE)	508 HP D 532,204	123.73	32.80	37.25	14.17	16.25	1,234
		T15KM011	D475A-1 POWERSHIFT, (ADD BLADE)	740 HP D 995,579	223.12	61.36	69.69	26.51	23.67	1,636

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE OWNERSHIP ELEMENTS		FUEL	CWT							
					AVERAGE	STANDBY	DEPR	CFC									
T20	TRACTORS, WHEEL TYPE (DOZER)																
*****																	
CATERPILLAR																	
	T20CA001	814-B	WITH STRAIGHT BLADE, ARTICULATED, PS	210 HP D	197,680	44.52	13.31	15.92	5.35	6.20	465						
	T20CA002	824-C	WITH STRAIGHT BLADE, ARTICULATED, PS	310 HP D	281,676	66.04	18.58	21.91	7.62	9.15	624						
	T20CA003	834-B	WITH STRAIGHT BLADE, ARTICULATED, PS	450 HP D	424,070	95.78	27.81	32.68	11.47	13.28	892						
MICHIGAN / VME																	
	T20MC001	280C	WITH STRAIGHT BLADE, ARTICULATED, PS	302 HP D	318,729	70.88	21.07	24.89	8.62	8.92	574						
	T20MC002	W380	WITH STRAIGHT BLADE, ARTICULATED, PS	572 HP D	604,974	134.18	38.15	43.55	16.37	16.89	1,233						
T25	TRACTORS, WHEEL TYPE (FARM)																
*****																	
JOHN DEERE																	
	T25JD001	2155	INDUSTRIAL 2WD	53 HP D	16,829	6.03	1.27	1.60	0.47	1.56	49						
	T25JD002	2355	INDUSTRIAL 2WD	64 HP D	18,246	6.75	1.40	1.78	0.51	1.89	58						
	T25JD003	2555	INDUSTRIAL 2WD	72 HP D	20,576	7.58	1.58	2.02	0.57	2.13	59						
	T25JD004	2755	INDUSTRIAL 2WD	87 HP D	22,919	8.66	1.78	2.28	0.64	2.57	60						
T30	TRENCHERS, CHAIN																
*****																	
DITCH WITCH																	
	T30DW001	C99	24" DEEP X 6" WIDE, WALK-BEHIND	9 HP G	3,313	1.77	0.25	0.30	0.10	0.74	6						
	T30DW002	2200	36" DEEP X 6" WIDE, 4WD, W/BLADE	18 HP G	14,039	5.36	1.08	1.35	0.40	1.47	30						
	T30DW003	3210	40" DEEP X 6" WIDE, 4WD,W/DBL PIVOT	28 HP G	28,313	9.93	2.18	2.74	0.81	2.29	39						
	T30DW004	2310	36" DEEP X 6" WIDE, 4WD, W/BLADE	28 HP G	22,430	8.48	1.72	2.16	0.64	2.29	36						
	T30DW005	3500	42" DEEP X 6" WIDE, 4WD,W/DBL PIVOT	35 HP D	26,802	7.95	2.07	2.59	0.77	1.03	42						
	T30DW006	5010	47" DEEP X 6" WIDE, 4WD,W/DBL PIVOT	53 HP D	39,684	11.82	3.07	3.86	1.14	1.56	47						
	T30DW007	6510	47" DEEP X 6" WIDE, 4WD,W/DBL PIVOT	64 HP D	41,198	12.64	3.15	3.93	1.18	1.89	55						
	T30DW008	6510	60" DEEP X 6" WIDE, 4WD, W/BLADE	64 HP D	40,492	12.47	3.09	3.86	1.16	1.89	106						
	T30DW009	7510	54" DEEP X 6-8" WIDE, 4WD,W/DBL PIVOT	74 HP D	53,237	15.99	4.09	5.11	1.53	2.18	55						
	T30DW010	R100	69" DEEP X 8" WIDE, 4WD, W/BLADE	101 HP D	93,770	27.20	7.00	8.61	2.69	2.98	95						

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP			FUEL	CWT																
					AVERAGE	STANDBY	DEPR	CFC																			
T30	<b>TRENCHERS, CHAIN</b>																										
*****																											
DITCH WITCH																											
	T30DW011	HT100	69" DEEP X 8" WIDE, 4WD, W/BLADE, CWLR	118 HP D	101,507	29.54	7.91	9.97	2.92	3.48	158																
VERMEER																											
	T30VE001	V-1550	48" DEEP X 4-10" WIDE, WALK-BEHIND	18 HP G	7,372	3.70	0.57	0.72	0.21	1.47	15																
	T30VE002	LM-35	42" DEEP X 3.5-5" WIDE, PLOW TRENCHR	35 HP D	24,586	7.40	1.86	2.30	0.71	1.03	40																
	T30VE003	V-450	60" DEEP X 6-18" WIDE, BACKHOE/BLADE	54 HP D	41,993	12.43	3.22	4.01	1.21	1.59	76																
	T30VE004	M-455A	60" DEEP X 8-18" WIDE, BACKHOE/BLADE	53 HP D	47,880	13.84	3.67	4.58	1.38	1.56	82																
	T30VE005	T-600D	72" DEEP X 10-24" WIDE, CRAWLER	113 HP D	92,493	27.13	7.21	9.09	2.66	3.34	193																
	T30VE006	T-800C	96" DEEP X 12-36" WIDE, CRAWLER	175 HP D	166,527	47.76	12.96	16.36	4.78	5.17	423																
T35	<b>TRENCHERS, WHEEL TYPE</b>																										
*****																											
BARBER-GREENE																											
	T35BG001	TA 56	70" DEEP X 16-30" WIDE, CRAWLER	100 HP D	153,147	34.84	10.32	12.04	4.30	2.95	254																
	T35BG002	TA 65	90" DEEP X 22-44" WIDE, CRAWLER	160 HP D	222,034	51.06	14.96	17.45	6.23	4.72	416																
	T35BG003	TA 77	102" DEEP X 26-66" WIDE, CRAWLER	160 HP D	292,852	65.42	19.73	23.02	8.22	4.72	600																
CLEVELAND TRENCHER																											
	T35CT001	9624-5	72" DP X 21.5" W, 16"ROUND BKT, CRWLR	140 HP D	152,933	36.30	10.30	12.02	4.29	4.13	230																
	T35CT002	9600-S-4	72" DP X 19.5" W, 14"ROUND BKT, CRWLR	140 HP D	186,327	43.08	12.56	14.65	5.23	4.13	229																
	T35CT003	246-FD4	84" DP X 21" W, 16"ROUND BKT, CRAWLER	185 HP D	209,875	49.55	14.14	16.50	5.89	5.46	320																
	T35CT004	7036-1	84" DP X 21.5" W, 16"ROUND BKT, CRWLR	102 HP D	184,552	41.28	12.44	14.51	5.18	3.01	253																
	T35CT005	7036-HD-2	84" DP X 27.5" W, 22"ROUND BKT, CRWLR	102 HP D	196,776	43.75	13.26	15.47	5.52	3.01	282																
	T35CT006	7036-3	84" DP X 33.5" W, 28"ROUND BKT, CRWLR	102 HP D	187,255	41.82	12.61	14.72	5.25	3.01	263																
	T35CT007	7036-SD-3	84" DP X 33.5" W, 28"ROUND BKT, CRWLR	102 HP D	207,024	45.83	13.95	16.27	5.81	3.01	340																
	T35CT008	8700-2	84" DP X 31.5" W, 22"ROUND BKT, ROTO TEETH	150 HP D	263,817	59.16	17.77	20.74	7.40	4.43	425																
	T35CT009	7648-2	90" DP X 30" W, 22"ROUND BKT, CRAWLER	150 HP D	294,693	65.42	19.85	23.16	8.27	4.43	455																
	T35CT010	7648-SD-4	90" DP X 42" W, 34"ROUND BKT, CRWLR	150 HP D	306,591	67.83	20.65	24.10	8.60	4.43	497																
	T35CT011	400W-HD3	108" DP X 48" W, 40"ROUND BKT, CRWLR	175 HP D	354,196	78.44	23.86	27.84	9.94	5.17	672																

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
T40			TRUCK OPTIONS, (ADD TRUCK)							
			*****							
	.10		CRANES, HYDRAULIC							
			-----							
			NO SPECIFIC MANUFACTURER							
		T40XX001	MAX CAP. 5.3 TON, MAX. BOOM 48'	30,811	7.43	2.40	3.02	0.89	0.00	39
		T40XX002	MAX CAP. 7.3 TON, MAX. BOOM 63'	48,577	11.65	3.78	4.76	1.40	0.00	94
		T40XX003	MAX CAP. 8.0 TON, MAX. BOOM 85'	50,850	12.18	3.95	4.98	1.46	0.00	109
		T40XX004	MAX CAP. 14.0 TON, MAX. BOOM 118'	57,229	13.72	4.45	5.61	1.64	0.00	143
		T40XX005	MAX CAP. 16.5 TON, MAX. BOOM 118'	68,756	16.49	5.35	6.74	1.98	0.00	143
		T40XX006	MAX CAP. 17.5 TON, MAX. BOOM 140'	81,061	19.41	6.30	7.94	2.33	0.00	193
	.20		DUMP BODY, REAR							
			-----							
			NO SPECIFIC MANUFACTURER							
		T40XX007	5 CY, 24000 TO 26000 GVW	7,236	1.69	0.57	0.71	0.21	0.00	26
		T40XX008	8 CY, 27000 TO 30000 GVW, AIR GATE	11,460	2.62	0.89	1.12	0.33	0.00	44
		T40XX009	10 CY, 36000 AND UP GVW, AIR GATE	11,594	2.65	0.90	1.14	0.33	0.00	45
		T40XX010	12 CY, 36000 AND UP GVW, AIR GATE	11,762	2.69	0.92	1.15	0.34	0.00	46
	.30		FLATBEDS, W/ CONT. SIDES							
			-----							
			NO SPECIFIC MANUFACTURER							
		T40XX011	8' x 8.0'	2,350	0.49	0.19	0.23	0.07	0.00	11
		T40XX012	8' x 9.0'	2,431	0.51	0.19	0.24	0.07	0.00	12
		T40XX013	8' x 10.0'	2,545	0.53	0.20	0.25	0.07	0.00	14
		T40XX014	8' x 12.0'	2,743	0.57	0.22	0.27	0.08	0.00	16
		T40XX015	8' x 14.0'	2,965	0.62	0.24	0.29	0.09	0.00	16
		T40XX016	8' x 16.0'	3,266	0.67	0.25	0.32	0.09	0.00	16
		T40XX017	8' x 18.0'	3,533	0.74	0.28	0.35	0.10	0.00	17
		T40XX018	8' x 20.0'	3,759	0.78	0.30	0.37	0.11	0.00	18
		T40XX019	8' x 22.0'	4,017	0.83	0.32	0.39	0.12	0.00	18
		T40XX020	8' x 24.0'	4,281	0.89	0.33	0.42	0.12	0.00	20
		T40XX021	2 TON, FLATBED HOIST	3,779	0.79	0.30	0.37	0.11	0.00	15
		T40XX022	4 TON, FLATBED HOIST	4,423	0.92	0.35	0.43	0.13	0.00	18

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CPC		
T40			TRUCK OPTIONS, (ADD TRUCK)							
	.40		HOIST							
	.41		ELECTRIC DRIVE							
			NO SPECIFIC MANUFACTURER							
	T40XX023		1500 LB AT 1.75'	2,721	0.70	0.22	0.27	0.08	0.00	4
	T40XX024		2400 LB AT 3'	3,173	0.79	0.25	0.31	0.09	0.00	6
	T40XX025		5000 LB AT 4'	8,755	2.03	0.68	0.86	0.25	0.00	15
	T40XX026		6000 LB AT 6'	9,854	2.27	0.77	0.97	0.28	0.00	14
	.50		TRANSIT MIXERS							
			NO SPECIFIC MANUFACTURER							
	T40XX027		7 CY (ADD 40000-50000 GVW TRUCK)	30,948	7.15	2.48	3.24	0.86	0.00	63
	T40XX028		8 CY (ADD 50000-70000 GVW TRUCK)	31,443	7.27	2.53	3.29	0.88	0.00	66
	T40XX029		8.5 CY (ADD 55000-75000 GVW TRUCK)	31,777	7.34	2.55	3.33	0.88	0.00	68
	T40XX030		9 CY (ADD 61000-80000 GVW TRUCK)	32,266	7.46	2.59	3.38	0.90	0.00	73
	.60		WATER TANKS							
			NO SPECIFIC MANUFACTURER							
	T40XX031		2000 GAL (ADD 23500-28000 GVW TRK)	13,841	2.88	1.08	1.36	0.40	0.00	35
	T40XX032		2500 GAL (ADD 25000-34950 GVW TRK)	14,597	3.03	1.14	1.43	0.42	0.00	39
	T40XX033		3000 GAL (ADD 29000-40000 GVW TRK)	15,535	3.23	1.21	1.52	0.45	0.00	44
	.70		ALL OTHER OPTIONS							
T45			TRUCK TRAILERS,							
	.10		BOTTOM DUMP							

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL	HOURLY	ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					RATES AVERAGE	(\$/HR) STANDBY	DEPR	CFC		
T45			TRUCK TRAILERS, *****							
	.10		BOTTOM DUMP							
			NO SPECIFIC MANUFACTURER							
		T45XX001	18 CY, 27 TON	30,731	6.13	2.00	2.33	0.83	0.00	122
		T45XX002	20 CY, 30 TON	36,419	7.20	2.40	2.81	0.99	0.00	140
		T45XX003	30 CY, 30 TON	36,910	7.29	2.43	2.85	1.00	0.00	160
		T45XX004	28 CY, 42 TON	43,906	8.72	2.86	3.34	1.19	0.00	180
		T45XX005	20 CY, 35 TON	51,545	10.06	3.43	4.05	1.40	0.00	175
		T45XX006	32 CY, 55 TON	107,803	21.79	6.84	7.81	2.93	0.00	365
		T45XX007	43 CY, 70 TON	119,551	23.97	7.64	8.79	3.24	0.00	445
	.20		END DUMP							
			NO SPECIFIC MANUFACTURER							
		T45XX008	20 CY, 24 TON	40,655	7.78	2.69	3.17	1.10	0.00	146
	.30		PUP TRAILER							
			NO SPECIFIC MANUFACTURER							
		T45XX009	8 CY, LONG TONGUE	24,138	5.51	1.79	2.23	0.67	0.00	86
		T45XX010	10 CY, LONG TONGUE	24,319	5.55	1.81	2.25	0.68	0.00	86
	.40		LOWBOY (EQUIPMENT HAULING)							
	.41		RIGID NECK, DROP DECK							
			NO SPECIFIC MANUFACTURER							
		T45XX011	25 TON, 2 AXLE	23,914	4.04	1.42	1.40	0.72	0.00	89
		T45XX012	30 TON, 2 AXLE	26,705	4.49	1.59	1.57	0.80	0.00	94
		T45XX013	35 TON, 2 AXLE	29,181	4.88	1.74	1.73	0.87	0.00	109

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
T45		TRUCK TRAILERS,								
	.41	RIGID NECK, DROP DECK								
		NO SPECIFIC MANUFACTURER								
	T45XX014	35 TON, 3 AXLE		33,657	5.72	1.99	1.95	1.01	0.00	134
	T45XX015	40 TON, 3 AXLE		35,159	5.99	2.07	2.03	1.05	0.00	144
	T45XX016	50 TON, 3 AXLE		40,435	6.80	2.40	2.37	1.21	0.00	161
	T45XX017	60 TON, 3 AXLE		43,785	7.51	2.55	2.47	1.31	0.00	188
	T45XX018	70 TON, 3 AXLE		53,073	8.92	3.14	3.10	1.59	0.00	213
	T45XX019	75 TON, 3 AXLE		54,775	9.17	3.25	3.21	1.64	0.00	228
	T45XX020	80 TON, 4 AXLE		62,298	10.34	3.74	3.73	1.87	0.00	266
	T45XX021	90 TON, 4 AXLE		67,200	11.24	3.99	3.96	2.01	0.00	297
	T45XX022	100 TON, 4 AXLE		74,467	12.45	4.42	4.38	2.23	0.00	313
	T45XX023	120 TON, 4 AXLE		86,459	14.68	5.05	4.91	2.59	0.00	351
	T45XX024	HELPER DOLLY (60 TON TRAILER MAX)		20,606	3.58	1.20	1.15	0.62	0.00	62
	.50	PLATFORM TRAILER								
		NO SPECIFIC MANUFACTURER								
	T45XX025	25 TON, 2 AXLE		19,831	3.46	1.14	1.10	0.59	0.00	110
	.60	TIILT TRAILER								
		NO SPECIFIC MANUFACTURER								
	T45XX026	12 TON, 2 AXLE		12,959	2.30	0.75	0.71	0.39	0.00	62
	T45XX027	16 TON, 2 AXLE		14,807	2.64	0.84	0.80	0.44	0.00	65
	T45XX028	20 TON, 2 AXLE		16,081	2.87	0.92	0.87	0.48	0.00	67
	.70	WATER TANKER TRAILER								
		NO SPECIFIC MANUFACTURER								
	T45XX029	4000 GAL	63 HP D	36,703	7.99	2.28	2.36	1.10	1.86	120
	T45XX030	5000 GAL	63 HP D	38,929	8.52	2.37	2.39	1.17	1.86	150
	T45XX031	6000 GAL	63 HP D	40,683	8.81	2.48	2.51	1.22	1.86	160

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
T45			TRUCK TRAILERS, *****							
	.80		DECONTAMINATION FACILITY ----- HAZCO							
			T45HA001 24 FOOT, 4 SHOWER UNIT	24,405	5.66	1.75	2.00	0.75	0.00	35
			T45HA002 30 FOOT, 4 SHOWER UNIT	29,453	6.81	2.11	2.42	0.90	0.00	45
			T45HA003 40 FOOT, 6 SHOWER UNIT	39,272	9.00	2.81	3.22	1.20	0.00	60
T50			TRUCKS, HIGHWAY (add truck options as required) *****							
	.01		0 THRU 10,000 GVW ----- FORD							
			T50FO001 F150 4X2 1/2-TON PICK-UP, 4900 GVW	137 HP G	11,757	6.36	0.95	1.19	0.35	2.67
			T50FO002 F150 4X4 1/2-TON PICK-UP, 6250 GVW	137 HP G	13,735	6.87	1.11	1.40	0.41	2.67
			T50FO003 F250 4X2 3/4-TON PICK-UP, 8600 GVW	137 HP G	12,843	6.67	1.04	1.29	0.39	2.67
			T50FO004 F250 4X4 3/4-TON PICK-UP, 8800 GVW	137 HP G	15,673	7.38	1.26	1.58	0.47	2.67
			T50FO005 F350 4X2 1-TON PICK-UP, 10000 GVW	137 HP G	15,034	7.29	1.19	1.48	0.45	2.67
			GMC AND CHEVROLET							
			T50GM001 S10 4X2 COMPACT PICKUP, 3500 GVW	92 HP G	9,658	4.74	0.77	0.96	0.29	1.80
			T50GM002 S10 4X4 COMPACT PICKUP, 3800 GVW	92 HP G	11,517	5.20	0.93	1.16	0.35	1.80
			T50GM003 C14 4X2 1500 PICKUP, 5200 GVW	150 HP G	11,321	6.60	0.91	1.14	0.34	2.93
			T50GM004 C10906 4X2 SUBURBAN, 8600 GVW	165 HP G	15,910	8.07	1.29	1.62	0.48	3.22
			T50GM005 K10906 4X4 SUBURBAN, 8600 GVW	165 HP G	17,571	8.51	1.43	1.80	0.53	3.22
			T50GM006 C24 4X2 2500 PICKUP, 7200 GVW	245 HP G	12,610	9.30	1.02	1.27	0.38	4.78
			T50GM007 K24 4X4 2500 PICKUP, 7200 GVW	245 HP G	14,614	9.83	1.18	1.48	0.44	4.78
			T50GM008 C34 4X2 3500 PICKUP, 8600 GVW	245 HP G	13,233	9.44	1.07	1.33	0.40	4.78
			T50GM009 K34 4X4 3500 PICKUP, 8600 GVW	245 HP G	15,292	9.99	1.24	1.55	0.46	4.78
	.02		OVER 10,000 THRU 30,000 GVW ----- FORD							
			T50FO006 F600 21,000 GVW, 2 AXLE	164 HP G	26,876	15.25	1.95	2.32	0.79	7.20
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TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (AVERAGE CONDITIONS)

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE OWNERSHIP ELEMENTS		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
T50			TRUCKS, HIGHWAY (add truck options as required)							
	.02		OVER 10,000 THRU 30,000 GVW							
			FORD							
	T50FO007	F600	21,000 GVW, 2 AXLE	213 HP D	29,010	13.32	2.12	2.51	0.86	5.54
	T50FO008	F700	22,200 GVW, 2 AXLE	164 HP G	28,943	15.69	2.12	2.51	0.86	7.20
	T50FO009	F700	22,200 GVW, 2 AXLE	213 HP D	33,547	14.26	2.46	2.93	0.99	5.54
	T50FO010	F800	24,700 GVW, 2 AXLE	213 HP G	31,288	19.02	2.27	2.70	0.92	9.35
	T50FO011	F800	24,500 GVW, 2 AXLE	210 HP D	37,588	15.32	2.69	3.16	1.11	5.46
			GMC AND CHEVROLET							
	T50GM010	C5D042	4X2, 2 AXLE, 15000 GVW	163 HP G	23,174	14.45	1.68	1.98	0.69	7.16
	T50GM011	C6D042	4X2, 2 AXLE, 24000 GVW	163 HP G	27,234	15.29	1.99	2.35	0.81	7.16
	T50GM012	C6D042	4X2, 2 AXLE, 24000 GVW	170 HP D	30,151	12.14	2.20	2.62	0.89	4.42
	T50GM013	C7D042	4X2, 2 AXLE, 24000 GVW	200 HP G	27,286	17.45	1.98	2.33	0.81	8.78
	T50GM014	C7D042	4X2, 2 AXLE, 24000 GVW	170 HP D	31,354	12.54	2.26	2.66	0.93	4.42
			INTERNATIONAL/NAVISTAR							
	T50IT001	1654	16,000 GVW, 4X2, S SERIES, 2 AXLE	155 HP D	21,921	9.86	1.60	1.90	0.65	4.03
	T50IT002	1754	16,000 GVW, 4X2, S SERIES, 2 AXLE	165 HP D	25,903	11.02	1.91	2.27	0.77	4.29
	T50IT003	1954	21,700 GVW, 4X2, S SERIES, 2 AXLE	180 HP D	30,802	12.61	2.25	2.68	0.91	4.68
	.03		OVER 30,000 GVW							
			FORD							
	T50FO012	FT800	44,300 GVW, 3 AXLE	213 HP G	51,777	29.53	3.89	4.81	1.48	13.51
	T50FO013	LT8000	52,400 GVW, 3 AXLE	240 HP D	67,947	26.49	5.12	6.33	1.95	8.74
	T50FO014	LTS8000	54,000 GVW, 3 AXLE	240 HP D	72,082	27.40	5.43	6.73	2.06	8.74
	T50FO015	LNT8000	54,000 GVW, 3 AXLE	240 HP D	67,031	26.33	5.04	6.23	1.92	8.74
	T50FO016	CT8000	45,000 GVW, 3 AXLE	215 HP D	60,313	23.72	4.51	5.56	1.73	7.83
	T50FO017	LT9000	64,000 GVW, 3 AXLE	300 HP D	93,556	35.07	7.04	8.71	2.68	10.92
	T50FO018	LTS9000	66,000 GVW, 3 AXLE	240 HP D	98,831	33.48	7.43	9.19	2.83	8.74
	T50FO019	LNT9000	64,000 GVW, 3 AXLE	350 HP D	92,118	37.16	6.90	8.52	2.64	12.74
	T50FO020	CLT9000	64,000 GVW, 3 AXLE	400 HP D	108,318	42.74	8.21	10.22	3.10	14.56
			GMC AND CHEVROLET							

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
T50			TRUCKS, HIGHWAY (add truck options as required)							
.03			OVER 30,000 GVW							
			GMC AND CHEVROLET							
	T50GM015	C7D064	6X4, 3 AXLE, 41000 GVW	200 HP G	41,028	26.34	3.02	3.67	1.18	12.69
	T50GM016	C7D064	6X4, 3 AXLE, 41000 GVW	205 HP D	46,033	20.19	3.40	4.16	1.32	7.46
			INTERNATIONAL/NAVISTAR							
	T50IT004	F2554	43,000 GVW, 6X4, S SERIES, 3 AXLE	215 HP D	54,177	22.40	4.04	4.97	1.55	7.83
	T50IT005	F2574	50,000 GVW, 6X4, S SERIES, 3 AXLE	240 HP D	76,455	28.31	5.77	7.16	2.19	8.74
	T50IT006	F5070	54,000 GVW, 6X4, PAYSTAR SERIES, 3AX	240 HP D	83,637	29.84	6.34	7.87	2.40	8.74
	T50IT007	F5070	53,200 GVW, 6X6, PAYSTAR SERIES, 3AX	240 HP D	102,417	33.84	7.80	9.73	2.93	8.74
			KENWORTH							
	T50KE001	T800	33,000 GVW, 76,800 GCW, 2 AXLE	270 HP D	85,861	31.01	6.66	8.40	2.46	9.83
	T50KE002	T600A	33,000 GVW, 76,800 GCW, 2 AXLE	270 HP D	93,723	32.68	7.27	9.18	2.68	9.83
	T50KE003	C500B	46,000 GVW, 3 AXLE	270 HP D	93,967	32.84	7.27	9.15	2.69	9.83
	T50KE004	K100E	50,000 GVW, 85,000 GCW, 3 AXLE	270 HP D	96,617	33.42	7.48	9.42	2.77	9.83
	T50KE005	W900B	50,000 GVW, 85,000 GCW, 3 AXLE	270 HP D	98,780	33.87	7.65	9.63	2.83	9.83
			MACK TRUCKS							
	T50MT001	R690T	HAULING, 33,500 GVW, 4X2	275 HP D	72,267	28.55	5.55	6.95	2.07	10.01
	T50MT002	MH-612	35,000 GVW, 4X2	300 HP D	79,349	31.22	6.09	7.64	2.27	10.92
	T50MT003	RW732	HAULING, 35,000 GVW, 4X2	300 HP D	79,416	31.24	6.10	7.65	2.27	10.92
	T50MT004	MH-613	46,000 GVW, 6X4	300 HP D	89,231	33.56	6.83	8.53	2.56	10.92
	T50MT005	R690ST	HAULING, 44,500 GVW, 6X4	275 HP D	85,739	31.65	6.55	8.18	2.46	10.01
	T50MT006	RW733	HAULING, 46,000 GVW, 6X4	300 HP D	90,391	33.80	6.91	8.64	2.59	10.92
	T50MT007	RD690SX	DUMP/MIXER, 70,000 GVW, 6X4	275 HP D	95,231	33.67	7.29	9.12	2.73	10.01
	T50MT008	DM690SX	ON/OFF,DUMP/MIXER, 78,000 GVW, 6X4	275 HP D	100,139	34.71	7.67	9.60	2.87	10.01
	T50MT009	RD8666S	DUMP/MIXER, 50,000 GVW, 6X6	400 HP D	125,828	46.14	9.66	12.12	3.60	14.56
	T50MT010	RD8666SX	DUMP/MIXER, 74,000 GVW, 6X6	400 HP D	139,839	49.13	10.76	13.50	4.01	14.56
			PETERBILT							
	T50PE001	376	65000 GCW, 2 AXLE	250 HP D	68,021	26.82	5.15	6.39	1.95	9.10
	T50PE002	375	46000 GVW, 110000 GCW, 3 AXLE	285 HP D	84,161	32.41	6.30	7.77	2.41	10.37
	T50PE003	362	46000 GVW, 110000 GCW, 3 AXLE	300 HP D	100,395	36.58	7.57	9.37	2.88	10.92

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
T50			TRUCKS, HIGHWAY (add truck options as required)							
	.03		OVER 30,000 GVW							
			PETERBILT							
	T50PE004	379	46000 GVW, 110000 GCW, 3 AXLE	315 HP D	103,118	37.85	7.77	9.64	2.95	11.47
	T50PE005	357	62000 GVW, 110000 GCW, 3 AXLE	285 HP D	96,895	35.12	7.29	9.02	2.78	10.37
T55			TRUCKS, OFF-HIGHWAY							
			CATERPILLAR							
	T55CA001	769C	22-30 CY, 35T, REAR DUMP, POWERSHIFT	450 HP D	352,316	69.72	21.02	23.17	9.43	8.12
	T55CA002	773B	30-45 CY, 50T, REAR DUMP, POWERSHIFT	650 HP D	495,770	100.19	29.37	32.19	13.27	11.73
	T55CA003	777B	47-67 CY, 85T, REAR DUMP, POWERSHIFT	870 HP D	718,141	146.21	42.19	45.94	19.22	15.69
	T55CA004	768C	PRIME MOVER TRACTOR, POWERSHIFT	450 HP D	311,750	61.87	18.42	20.15	8.34	8.12
	T55CA005	772B	PRIME MOVER TRACTOR, POWERSHIFT	650 HP D	466,106	94.45	27.03	29.11	12.47	11.73
	T55CA006	776B	PRIME MOVER TRACTOR, POWERSHIFT	870 HP D	625,119	128.12	35.95	38.43	16.73	15.69
			DJB/CATERPILLAR							
	T55DJ001	D25C 4X4	13-18 CY, 25T, REAR DUMP, ARTIC, PS	260 HP D	250,502	48.58	14.82	16.23	6.70	4.69
	T55DJ002	D250B 6X4	15-19 CY, 25T, REAR DUMP, ARTIC, PS	218 HP D	228,880	43.09	13.70	15.15	6.12	3.93
	T55DJ003	D30C 4X4	16-22 CY, 30T, REAR DUMP, ARTIC, PS	257 HP D	285,542	58.20	16.51	17.73	7.64	4.64
	T55DJ004	D300B 6X6	17-22 CY, 30T, REAR DUMP, ARTIC, PS	260 HP D	281,148	55.94	16.43	17.82	7.52	4.69
	T55DJ005	D350C 6X4	20-26 CY, 35T, REAR DUMP, ARTIC, PS	260 HP D	316,360	61.29	18.61	20.27	8.47	4.69
	T55DJ006	D35C 4X4	18-28 CY, 35T, REAR DUMP, ARTIC, PS	260 HP D	320,964	61.33	18.90	20.62	8.59	4.69
	T55DJ007	D400 6X6	23-29 CY, 40T, REAR DUMP, ARTIC, PS	385 HP D	372,900	73.44	22.02	24.07	9.98	6.95
	T55DJ008	D44B 4X4	23-31 CY, 44T, REAR DUMP, ARTIC, PS	460 HP D	431,508	83.33	25.63	28.15	11.55	8.30
	T55DJ009	D550B 6X6	32-43 CY, 55T, REAR DUMP, ARTIC, PS	460 HP D	523,243	101.80	30.80	33.60	14.00	8.30
			EUCLID/VME							
	T55EU001	R25-215FD	14-19 CY, 25T, REAR DUMP, POWERSHIFT	230 HP D	229,768	42.65	13.68	15.06	6.15	4.15
	T55EU002	R35-324TD	22-30 CY, 35T, REAR DUMP, POWERSHIFT	450 HP D	374,253	73.03	22.36	24.69	10.01	8.12
	T55EU003	R50-326LD	32-44 CY, 50T, REAR DUMP, POWERSHIFT	675 HP D	525,562	105.31	31.19	34.26	14.06	12.18
	T55EU004	R85-316ND	49-67 CY, 85T, REAR DUMP, POWERSHIFT	925 HP D	668,029	134.87	38.81	41.86	17.88	16.69
			TEREX							

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT							
					AVERAGE	STANDBY	DEPR	CFC									
T55	TRUCKS, OFF-HIGHWAY																
*****																	
TEREX																	
*****																	
T55TE001 2566 14-17 CY, 23 TON, REAR DUMP, ARTIC 224 HP D 227,496 43.66 13.62 15.05 6.09 4.04 370																	
T55TE002 2766 16-19 CY, 25 TON, REAR DUMP, ARTIC 237 HP D 247,287 47.11 14.59 15.93 6.62 4.28 379																	
T55TE003 3066 17-21 CY, 27 TON, REAR DUMP, ARTIC 258 HP D 265,858 50.60 15.69 17.15 7.11 4.65 397																	
T55TE004 33-05B 20-25 CY, 30 TON, REAR DUMP, PS 324 HP D 282,476 55.56 16.78 18.44 7.56 5.84 499																	
T55TE005 4066 23-29 CY, 36 TON, REAR DUMP, ARTIC 359 HP D 347,998 70.61 20.48 22.34 9.31 6.48 553																	
T55TE006 33-07 26-34 CY, 40 TON, REAR DUMP, PS 478 HP D 349,927 73.89 20.39 22.05 9.36 8.62 743																	
T55TE007 33-09 36-47 CY, 55 TON, REAR DUMP, PS 620 HP D 473,791 95.34 27.41 29.46 12.68 11.18 933																	
T55TE008 33-11D 51-70 CY, 85 TON, REAR DUMP, PS 861 HP D 654,187 132.07 37.78 40.55 17.50 15.53 1,274																	
UNIT RIG																	
*****																	
T55UN001 MARK 24 45-63 CY, 77 TON, REAR DUMP 900 HP D 558,080 117.59 32.04 34.22 14.93 16.24 1,300																	
T55UN002 MARK 30 63-85 CY, 108 TON, REAR DUMP 1200 HP D 696,701 146.95 40.34 43.40 18.64 21.65 1,560																	
T55UN003 MARK 36 92-126 CY, 154 TON, REAR DUMP 1600 HP D 870,141 194.01 48.74 50.92 23.28 28.86 1,950																	
VOLVO/VME																	
*****																	
T55VO001 A-20 12-16 CY, 19 TON, 6X6, REAR DUMP 186 HP D 160,583 32.27 9.44 10.28 4.30 3.36 346																	
T55VO002 A-25 13-17 CY, 23 TON, 4X4, REAR DUMP 240 HP D 200,376 40.81 11.76 12.80 5.36 4.33 325																	
T55VO003 A-25 13-17 CY, 23 TON, 6X6, REAR DUMP 240 HP D 215,006 42.84 12.68 13.86 5.75 4.33 373																	
T55VO004 A-35 21-25 CY, 32 TON, 6X6, REAR DUMP 326 HP D 280,917 57.72 16.40 17.76 7.52 5.88 538																	
WABCO/DRESSER																	
*****																	
T55WA001 140M 30 CY, 33-38 TON, MECH REAR DUMP 485 HP D 380,513 74.83 22.75 25.13 10.18 8.75 652																	
T55WA002 210M 44 CY, 55-60 TON, MECH REAR DUMP 675 HP D 526,053 107.81 30.93 33.70 14.08 12.18 849																	
T55WA003 325M 67 CY, 85-95 TON, MECH REAR DUMP 930 HP D 697,270 145.29 39.61 41.90 18.66 16.78 1,270																	
T55WA004 385M 76 CY, 100-110 TON, MECH REAR DUMP 1050 HP D 877,766 173.29 50.98 54.97 23.49 18.94 1,690																	
T55WA005 510M 100 CY, 135-150 TON, MECH REAR DUMP 1350 HP D 1,268,558 246.18 73.70 79.52 33.94 24.35 2,005																	
T60	TRUCKS, WATER, OFF-HIGHWAY																
*****																	
KLEIN																	

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT			
					AVERAGE	STANDBY	DEPR	CFC					
T60	<b>TRUCKS, WATER, OFF-HIGHWAY</b>												
	*****												
	KLEIN												
	T60KI001	KT-50	5,000 GALLON, WITH CAT 613C TRACTOR	175 HP D	165,766	34.04	9.65	10.10	4.60	5.17			
	T60KI002	KT-60	6,000 GALLON, WITH CAT 621E TRACTOR	330 HP D	291,013	61.64	16.71	17.25	8.08	9.74			
	T60KI003	KT-80	8,000 GALLON, WITH CAT 631E TRACTOR	450 HP D	417,435	87.56	23.94	24.70	11.59	13.28			
	T60KI004	KT-100	10,000 GALLON, WITH CAT 631E TRACTOR	450 HP D	423,567	88.53	24.31	25.10	11.76	13.28			
	T60KI005	KT-100	10,000 GALLON, WITH CAT 651E TRACTOR	550 HP D	507,786	106.70	29.11	30.02	14.10	16.24			
	T60KI006	KT-120	12,000 GALLON, WITH CAT 651E TRACTOR	550 HP D	512,810	107.49	29.42	30.35	14.24	16.24			
	SOUTHWEST												
	T60SO001	STT-60	6,000 GALLON WITH CAT 621E TRACTOR	330 HP D	309,132	64.48	17.79	18.42	8.58	9.74			
	T60SO002	STT-80	8,000 GALLON WITH CAT 631D TRACTOR	450 HP D	433,455	90.11	24.90	25.73	12.03	13.28			
	T60SO003	STT-100	10,000 GALLON WITH CAT 631E TRACTOR	450 HP D	439,915	91.13	25.29	26.15	12.21	13.28			
	T60SO004	STT-120	12,000 GALLON WITH CAT 651E TRACTOR	550 HP D	547,317	113.47	31.34	32.28	15.20	16.24			
	T60SO005	STT-140	14,000 GALLON WITH CAT 651E TRACTOR	550 HP D	555,955	114.83	31.86	32.84	15.44	16.24			
W10	<b>WAGONS, BOTTOM DUMP</b>												
	*****												
	CATERPILLAR-ATHey												
	W10CE001	621/PW621E	22-27 CY, 30 TON, POWERSHIFT	330 HP D	300,563	66.26	17.47	18.85	8.04	9.74			
	W10CE002	768/PW768C	42-48 CY, 57 TON, POWERSHIFT	450 HP D	439,023	94.26	25.51	27.52	11.75	13.28			
	W10CE003	772/PW772B	60-67 CY, 91 TON, POWERSHIFT	650 HP D	670,040	142.60	38.67	41.48	17.93	19.19			
W15	<b>WAGONS, REAR DUMP</b>												
	*****												
	CATERPILLAR-ATHey												
	W15CE001	621/PR621E	22-26 CY, 30 TON, POWERSHIFT	330 HP D	314,257	66.15	18.46	20.10	8.41	9.74			
	W15CE002	631/PR631E	27-32 CY, 36 TON, POWERSHIFT	450 HP D	455,714	93.37	26.19	27.99	12.19	13.28			
W25	<b>WATER BLASTERS</b>												
	*****												

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CPC		
W25			WATER BLASTERS							
			*****.10 LOW PRESSURE, (< 5,000 PSI)-----							
			ACE ENTERPRISES							
		W25AC001	4030 BG HIGH PRES DIR DR, 4.0 GPM, 3,000 PSI	11 HP G 2,993	3.17	0.38	0.56	0.10	1.32	2
		W25AC002	B4030 BG HIGH PRES BELT DR, 4.0 GPM, 3,000 PSI	11 HP G 3,183	3.27	0.40	0.60	0.10	1.32	2
		W25AC003	5535 BG HIGH PRES DIR DR, 5.5 GPM, 3,000 PSI	18 HP G 4,540	5.01	0.58	0.86	0.15	2.15	2
		W25AC004	B5535 BG HIGH PRES BELT DR, 5.5 GPM, 3,000 PSI	18 HP G 4,807	5.14	0.61	0.91	0.15	2.15	2
			ATLANTIC							
		W25AN001	E200 COLD WATER, 1,800 PSI	5 HP E 2,328	1.77	0.30	0.46	0.07	0.21	2
		W25AN002	2000 HOT WATER, 1,800 PSI	5 HP E 3,667	2.48	0.48	0.72	0.12	0.21	2
		W25AN003	H320 COLD WATER, 3,200 PSI	11 HP G 2,806	3.11	0.37	0.55	0.09	1.32	2
		W25AN004	3200 HOT WATER, 3,200 PSI	11 HP G 4,622	4.07	0.61	0.91	0.15	1.32	2
			HOMELITE							
		W25HO001	HPW2000B PRESSURE WASHER, 4.0 GPM, 2,000 PSI	9 HP D 1,613	1.35	0.21	0.32	0.05	0.39	2
		W25HO002	HPW3000B PRESSURE WASHER, 5.4 GPM, 3,000 PSI	13 HP D 2,759	2.17	0.36	0.54	0.09	0.56	2
			.20 HIGH PRESSURE, (>= 5,000 PSI)-----							
			WEATHERFORD/AMERICAN AERO							
		W25WE001	WBE 50TEPC 7 GPM AT 10,000 PSI WITH 2 NOZZLES TRAILER MOUNTED	50 HP E 29,615	14.60	2.80	3.83	0.88	2.14	27
		W25WE002	WBE 75TEPC 10 GPM AT 10,000 PSI WITH 2 NOZZLES TRAILER MOUNTED	75 HP E 32,193	17.32	3.05	4.17	0.96	3.21	29
		W25WE003	WBD 90 10 GPM AT 10,000 PSI WITH 2 NOZZLES TRAILER MOUNTED	91 HP D 41,401	20.61	3.93	5.37	1.24	3.95	34
		W25WE004	WBE 150TEPC 20 GPM AT 10,000 PSI WITH 2 NOZZLES TRAILER MOUNTED	150 HP E 48,966	28.87	4.64	6.36	1.46	6.41	39
		W25WE005	WBD150 20 GPM AT 10,000 PSI WITH 2 NOZZLES TRAILER MOUNTED	160 HP D 59,649	31.32	5.66	7.76	1.78	6.95	59
		W25WE006	WBD200 20 GPM AT 16,000 PSI WITH 2 NOZZLES TRAILER MOUNTED	240 HP D 67,285	38.59	6.36	8.70	2.01	10.43	84
		W25WE007	WBD200T 16 GPM AT 20,000 PSI WITH 2 NOZZLES	230 HP D 77,520	41.83	7.31	9.99	2.31	10.00	98

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
W25			WATER BLASTERS							
	.20	HIGH PRESSURE, ( $\geq$ 5,000 PSI)	WEATHERFORD/AMERICAN AERO							
		W25WE007 WBD200T	16 GPM AT 20,000 PSI WITH 2 NOZZLES TRAILER MOUNTED	230 HP D	77,520	41.83	7.31	9.99	2.31	10.00
	.30	STEAM CLEANERS	ALKOTA							
		W25AO001 90	90 GPH, 200 PSI	1 HP E	1,987	1.60	0.26	0.39	0.06	0.04
		W25AO002 120	130 GPH, 325 PSI	1 HP E	2,235	1.98	0.29	0.44	0.07	0.04
		W25AO003 181	180 GPH, 250 PSI	1 HP E	3,250	2.51	0.42	0.64	0.10	0.04
		W25AO004 240	240 GPH, 250 PSI	2 HP E	3,268	2.83	0.42	0.64	0.10	0.09
		W25AO005 301T	300 GPH, 100 PSI	4 HP E	6,885	5.35	0.90	1.35	0.22	0.17
		W25AO006 246	STEAM GENERATOR, 100 PSI	1 HP E	4,544	3.20	0.60	0.89	0.15	0.04
W30			WATER TANKS							
	.10	PORTABLE W/ WHEELS	SOUTHWEST							
		W30SO001 EWT-8C	8000 GAL., 10" DISCHG PIPE, MOBILE	8 HP G	34,004	5.94	2.00	2.11	0.94	0.65
		W30SO002 EWT-10C	10000 GAL., 10" DISCHG PIPE, MOBILE	8 HP G	40,684	6.93	2.40	2.54	1.13	0.65
		W30SO003 EWT-12C	12000 GAL., 10" DISCHG PIPE, MOBILE	8 HP G	44,273	7.46	2.62	2.77	1.23	0.65
	.20	SKID MOUNTED	SOUTHWEST							
		W30SO004 WST-8	8000 GAL. STAND-TOWER TANK, 10" PIPE		21,932	3.05	1.32	1.42	0.61	0.00
		W30SO005 WST-10	10000 GAL. STAND-TOWER TANK, 10" PIPE		24,510	3.41	1.48	1.59	0.68	0.00
		W30SO006 WST-12	12000 GAL. STAND-TOWER TANK, 10" PIPE		28,283	3.94	1.71	1.83	0.79	0.00

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
W35			WELDERS							
			*****.10 GASOLINE or DIESEL DRIVE							
			HOMELITE							
	W35HO001	HWG135	135 AMP, PORTABLE	7 HP G	1,211	1.14	0.09	0.10	0.04	0.71
	W35HO002	HWG180	180 AMP, PORTABLE	11 HP G	1,642	1.74	0.12	0.14	0.05	1.11
			NO SPECIFIC MANUFACTURER							
	W35XX001		250 AMP WITH 1 AXLE TRLR	27 HP D	7,600	2.87	0.54	0.62	0.23	1.00
	W35XX002		200 AMP WITH 1 AXLE TRLR	39 HP G	5,544	6.09	0.40	0.45	0.17	3.95
	W35XX003		300 AMP WITH 1 AXLE TRLR	38 HP D	8,114	3.48	0.58	0.66	0.25	1.40
	W35XX004		250 AMP WITH 1 AXLE TRLR	39 HP G	5,878	6.17	0.42	0.48	0.18	3.95
	W35XX005		350 AMP WITH 2 AXLE TRLR	38 HP D	9,137	3.71	0.65	0.73	0.28	1.40
	W35XX006		300 AMP WITH 1 AXLE TRLR	65 HP G	6,377	9.53	0.45	0.52	0.19	6.58
	W35XX007		400 AMP WITH 2 AXLE TRLR	64 HP D	9,907	5.07	0.70	0.80	0.30	2.36
	W35XX008		400 AMP WITH 1 AXLE TRLR	69 HP G	8,112	10.41	0.58	0.66	0.25	6.99
			.20 ELECTRICAL							
			.21 ELECTRIC DRIVE							
			NO SPECIFIC MANUFACTURER							
	W35XX009		300 AMP, SKID MTD	20 HP E	2,777	1.44	0.26	0.34	0.09	0.54
	W35XX010		400 AMP, SKID MTD	25 HP E	3,324	1.75	0.30	0.40	0.10	0.68
			.22 MIG							
			NO SPECIFIC MANUFACTURER							
	W35XX011		300 AMP WITH WIRE FEED & SHOP GEAR	10 HP E	2,811	1.06	0.26	0.34	0.09	0.27
	W35XX012		450 AMP WITH WIRE FEED & SHOP GEAR	20 HP E	2,890	1.46	0.27	0.35	0.09	0.54
			.23 RECTIFIER							

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
W35			WELDERS							
	.23		RECTIFIER							
			NO SPECIFIC MANUFACTURER							
		W35XX013	200 AMP WITH SHOP RUNNING GEAR	19 HP E	1,284	1.04	0.12	0.16	0.04	0.51 4
		W35XX014	300 AMP WITH SHOP RUNNING GEAR	24 HP E	1,654	1.31	0.15	0.20	0.05	0.65 6
		W35XX015	750 AMP WITH SHOP RUNNING GEAR	30 HP E	4,458	2.21	0.41	0.54	0.14	0.81 7
		W35XX016	1000 AMP WITH SHOP RUNNING GEAR	42 HP E	7,790	3.47	0.72	0.95	0.24	1.13 10
	.24		TRANSFORMER							
			NO SPECIFIC MANUFACTURER							
		W35XX017	250 AMP WITH SHOP RUNNING GEAR	19 HP E	606	0.86	0.06	0.07	0.02	0.51 4
		W35XX018	300 AMP WITH SHOP RUNNING GEAR	24 HP E	1,969	1.39	0.18	0.24	0.06	0.65 6

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP			FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC			

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

REGION VIII

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 3-2f.

Examples: Assume that a two-year-old (manufactured in 1989) 50-ton truck crane (category C90.02) listed in TABLE 3-1 has a total hourly rate of \$55.00 per hour and an ownership rate of \$30.00 per hour.

A. If an equivalent crane owned by a contractor had been purchased new in 1985, the total hourly rate can be determined as follows:

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

B. If an equivalent crane owned by a contractor had been purchased new in 1972, this crane is overage and the total hourly rate can be determined as follows:

Total Hourly Rate	= \$55.00/Hr
Ownership Rate	(-) \$30.00/Hr
Ownership adjusted for Age:	
(Ownership Rate) x (Oldest Age Adjustment Factor)	
= (\$30.00) x (.74)	= (+) <u>\$22.20/Hr</u>
Adjusted Total Hourly Rate	= \$47.20/Hr

C. If an equivalent crane, manufactured in 1972, had been purchased used in 1982 by the contractor, the crane is overage and the rate computation would be identical to Example B.

D. If an equivalent crane, manufactured in 1985, had been purchased used in 1987 by the contractor, the used crane is not overage and the rate computation would be identical to Example A.

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

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW													
		1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
A10 .00	AGGREGATE/CHIP SPREADERS														
A10 .10	SELF PROPELLED	1.07	1.04	1.00	0.97	0.94	0.93	0.93							
A10 .20	TOWED & TAILGATE	1.07	1.04	1.00	0.97										
A15 .00	AIR COMPRESSORS, PORTABLE														
A15 .10	ROTARY SCREW	1.11	1.04	1.00	0.94	0.90	0.89	0.90							
A20 .00	AIR HOSE, TOOLS & EQUIPMENT														
A20 .10	AIR HOSES	1.10	1.04	1.00											
A20 .20	BLAST HOSE	1.10	1.04	1.00											
A20 .30	SANDBLASTERS & BREAKERS	1.11	1.04	1.00											
A25 .00	ASPHALT DISTRIBUTORS	1.07	1.04	1.00	0.97	0.94	0.93								
A30 .00	ASPHALT FINISHERS/PAVERS														
A30 .10	SELF PROPELLED	1.07	1.04	1.00	0.97	0.94	0.93	0.93							
A30 .20	TOWED	1.07	1.04	1.00	0.97	0.94	0.93	0.93							
A35 .00	ASPHALT KETTLES	1.07	1.04	1.00	0.97										
A40 .00	ASPHALT & CONCR. MILLERS/PROFILERS	1.07	1.04	1.00	0.97	0.94	0.93	0.93							
A45 .00	ASPHALT RECYCLERS & SEALERS	1.07	1.04	1.00	0.97	0.94	0.93								
H00 .00	BACKHOE (SEE HYD. EXCAV.)														
B10 .00	BATCH PLANTS, ASPHALT & CONCRETE														
B15 .00	BROOMS, STREET SWEEPERS & FLUSHERS	1.09	1.05	1.00	0.95	0.92	0.89								
B20 .00	BRUSH CHIPPERS	1.09	1.05	1.00	0.95	0.92	0.89								
B25 .00	BUCKETS, CLAMSHELL	1.12	1.07	1.00	0.91	0.88	0.87	0.86							
B30 .00	BUCKETS, CONCRETE														
B30 .10	GENERAL PURPOSE, MANUAL	1.12	1.07	1.00	0.90	0.88	0.87	0.85							
B30 .20	LAYDOWN	1.12	1.07	1.00	0.90	0.88	0.87	0.85							
B30 .30	LOWBOY	1.12	1.07	1.00	0.90	0.88	0.87	0.85							
B30 .40	LOW SLUMP	1.12	1.07	1.00	0.90	0.88	0.87	0.85							
B35 .00	BUCKETS, DRAGLINE														
B35 .10	LIGHT WEIGHT	1.12	1.07	1.00	0.91	0.88	0.87								
B35 .20	MEDIUM WEIGHT	1.12	1.07	1.00	0.91	0.88	0.87								
B35 .30	HEAVY WEIGHT	1.12	1.07	1.00	0.91	0.88	0.87	0.86							
C05 .00	CHAIN SAWS	1.09	1.05	1.00											
C10 .00	COMPACTORS, MANUALLY OPERATED	1.10	1.05	1.00	0.94										
C15 .00	CONCRETE BLASTERS	1.10	1.05	1.00	0.94										
C20 .00	CONCRETE BUGGIES	1.10	1.05	1.00	0.94										
C25 .00	CONCRETE FINISHERS	1.10	1.05	1.00	0.94										
C30 .00	CONCRETE GRINDERS	1.10	1.05	1.00	0.94										
C35 .00	CONCRETE GUNITERS/SHOTCRETTERS	1.09	1.04	1.00	0.95	0.92									
C40 .00	CONCRETE MIXERS	1.10	1.05	1.00	0.94										
C45 .00	CONCRETE PAVING MACHINES	1.07	1.04	1.00	0.97	0.94	0.93	0.93							

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

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
C55 .00	CONCRETE PUMPS	1.09	1.04	1.00	0.95	0.92	0.90									
C60 .00	CONCRETE SAWS	1.10	1.05	1.00	0.94											
C65 .00	CONCRETE VIBRATORS	1.11	1.04	1.00												
C70 .00	CRANES, GANTRY & STRADDLE															
C75 .00	CRANES, HYDRAULIC, SELF-PROP.	1.12	1.05	1.00	0.92	0.90	0.87	0.84	0.82	0.81						
C80 .00	CRANES, HYDRAULIC, TRUCK MTD															
C80 .01	UNDER 26 TON	1.12	1.05	1.00	0.92	0.90	0.87	0.84	0.82	0.81						
C80 .02	26 TON THRU 65 TON	1.12	1.05	1.00	0.92	0.90	0.87	0.84	0.83	0.81	0.79	0.74				
C80 .03	66 TON THRU 125 TON	1.12	1.05	1.00	0.92	0.90	0.87	0.84	0.83	0.81	0.79	0.74	0.68			
C80 .04	OVER 125 TON	1.12	1.05	1.00	0.92	0.90	0.87	0.84	0.83	0.81	0.80	0.74	0.68	0.60		
C85 .00	CRANES, MECHANICAL, CRAWLER MTD															
C85 .10	DRAGLINE, CLAMSHELL															
C85 .11	0 THRU 1 CY	1.13	1.05	1.00	0.92	0.90	0.86	0.84	0.82							
C85 .12	OVER 1 CY THRU 2-1/2 CY	1.12	1.05	1.00	0.92	0.90	0.87	0.84	0.82	0.81						
C85 .13	OVER 2-1/2 CY THRU 5 CY	1.12	1.05	1.00	0.92	0.90	0.87	0.84	0.83	0.81	0.79	0.74				
C85 .14	OVER 5 CY	1.12	1.05	1.00	0.92	0.90	0.87	0.84	0.83	0.81	0.79	0.74	0.68			
C85 .20	LIFTING															
C85 .21	0 THRU 25 TON	1.13	1.05	1.00	0.92	0.90	0.86	0.84	0.82	0.81						
C85 .22	26 TON THRU 50 TON	1.12	1.05	1.00	0.92	0.90	0.87	0.84	0.83	0.81	0.79					
C85 .23	51 TON THRU 150 TON	1.12	1.05	1.00	0.92	0.90	0.87	0.84	0.83	0.81	0.79	0.74	0.68			
C85 .24	OVER 150 TON	1.12	1.05	1.00	0.92	0.90	0.87	0.84	0.83	0.81	0.80	0.74	0.68	0.60		
C90 .00	CRANES, MECHANICAL, TRUCK MTD															
C90 .01	UNDER 26 TON	1.12	1.05	1.00	0.92	0.90	0.87	0.84	0.82	0.81						
C90 .02	26 TON THRU 65 TON	1.12	1.05	1.00	0.92	0.90	0.87	0.84	0.83	0.81	0.79	0.74				
C90 .03	66 TON THRU 125 TON	1.12	1.05	1.00	0.92	0.90	0.87	0.84	0.83	0.81	0.79	0.74	0.68			
C90 .04	OVER 125 TON	1.12	1.05	1.00	0.92	0.90	0.87	0.84	0.83	0.81	0.80	0.74	0.68	0.60		
C95 .00	CRANES, TOWER	1.13	1.05	1.00	0.92	0.90	0.86	0.84	0.82	0.81	0.79	0.73	0.67			
D10 .00	DRILLS, AIR TRACK, CRAWLER MTD	1.09	1.04	1.00	0.94	0.93	0.93	0.95								
D15 .00	DRILLS, BORING MACHINES	1.09	1.04	1.00	0.94	0.93	0.93	0.95								
D20 .00	DRILLS, CORE, COLUMN MOUNTED	1.09	1.04	1.00	0.94	0.93	0.93	0.95								
D25 .00	DRILLS, CORE, SKID MOUNTED	1.09	1.04	1.00	0.94	0.93	0.93	0.95								
D30 .00	DRILLS, EARTH/AUGER	1.09	1.04	1.00	0.94	0.93	0.93	0.95								
D35 .00	DRILLS, ROTARY BLAST HOLE															
D35 .10	DIESEL OR GASOLINE															
D35 .11	0" THRU 11" DIA. HOLE	1.09	1.04	1.00	0.94	0.93	0.93	0.95	0.94	0.95						
D35 .12	OVER 11" DIAM.	1.08	1.04	1.00	0.94	0.93	0.93	0.95	0.94	0.95	0.94	0.86	0.74			
D35 .20	ELECTRIC															
D35 .21	0" THRU 11" DIA. HOLE	1.09	1.04	1.00	0.94	0.93	0.93	0.95	0.94	0.95						
D35 .22	OVER 11" DIAM.	1.08	1.04	1.00	0.94	0.93	0.93	0.95	0.94	0.95	0.94	0.86	0.74			

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

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
F10 .00	FORK LIFTS	1.09	1.05	1.00	0.95	0.92	0.89	0.88								
G10 .00	GENERATOR SETS															
G10 .10	PORTABLE	1.08	1.03	1.00	0.94	0.88	0.86									
G10 .20	SKID MOUNTED	1.08	1.03	1.00	0.94	0.88	0.86	0.86								
G15 .00	GRADERS, MOTOR	1.08	1.04	1.00	0.94	0.91	0.87	0.86	0.84							
H10 .00	HAMMERS, HYDRAULIC	1.10	1.05	1.00	0.94											
H15 .00	HEATERS, SPACE															
H20 .00	HOIST	1.09	1.05	1.00	0.95	0.92	0.89									
H25 .00	HYDRAULIC EXCAVATORS, CRAWLER MTD															
H25 .10	DIESEL or GASOLINE	1.08	1.06	1.00	0.91	0.88	0.85									
H25 .11	0 THRU 1 CY	1.08	1.05	1.00	0.92	0.89	0.86	0.83								
H25 .12	OVER 1 CY THRU 2-1/2 CY	1.07	1.05	1.00	0.92	0.90	0.86	0.84	0.82							
H25 .13	OVER 2-1/2 CY THRU 5 CY	1.07	1.05	1.00	0.92	0.90	0.86	0.84	0.82							
H25 .14	OVER 5 CY	1.07	1.05	1.00	0.92	0.90	0.87	0.84	0.83	0.81						
H30 .00	HYDRAULIC EXCAVATORS, WHEEL MTD															
H30 .01	0 THRU 1 CY	1.08	1.05	1.00	0.92	0.89	0.86									
H30 .02	OVER 1 CY	1.08	1.05	1.00	0.92	0.89	0.86	0.84								
H35 .00	HYDRAULIC SHOVELS, CRAWLER MOUNTED															
H35 .10	DIESEL	1.07	1.05	1.00	0.92	0.90	0.87	0.84	0.83	0.81						
H35 .11	0 CY THRU 5 CY	1.07	1.05	1.00	0.92	0.90	0.87	0.84	0.83	0.81						
H35 .12	OVER 5 CY	1.07	1.05	1.00	0.92	0.90	0.87	0.84	0.83	0.81	0.79	0.74				
H35 .20	ELECTRIC															
H35 .21	OVER 2-1/2 CY	1.07	1.05	1.00	0.92	0.90	0.86	0.84	0.82	0.81	0.79	0.73	0.67			
L10 .00	LAND CLEARING EQUIPMENT	1.08	1.04	1.00	0.93	0.87	0.83									
L15 .00	LAWN MOWERS	1.09	1.05	1.00												
L20 .00	LIGHTING SETS, TRAILER MOUNTED															
L20 .10	METALLIC VAPOR	1.10	1.05	1.00	0.94	0.91	0.89									
L25 .00	LINE STRIPING EQUIPMENT	1.10	1.05	1.00	0.94	0.91	0.89									
L30 .00	LOADERS, BELT	1.09	1.05	1.00	0.95	0.92	0.89	0.88								
L35 .00	LOADERS, FRONT END, CRAWLER TYPE	1.07	1.04	1.00	0.94	0.87	0.83	0.83								
L40 .00	LOADERS, FRONT END, WHEEL TYPE															
L40 .10	ARTICULATED															
L40 .11	0 THRU 225 HP	1.08	1.03	1.00	0.95	0.91	0.88	0.88								
L40 .12	OVER 225 HP	1.08	1.03	1.00	0.96	0.92	0.89	0.89	0.88							
L40 .20	SKID STEER	1.08	1.03	1.00	0.96	0.92	0.89									
L40 .30	TOOL CARRIER															
L40 .31	0 THRU 225 HP	1.08	1.03	1.00	0.95	0.91	0.88	0.88								
L40 .32	OVER 225 HP	1.08	1.03	1.00	0.96	0.92	0.89	0.89	0.88							
L45 .00	LOADERS w/ BACKHOE, CRAWLER TYPE	1.07	1.04	1.00	0.94	0.87	0.83	0.83								

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

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
L50 .00	LOADERS w/ BACKHOE, WHEEL TYPE	1.08	1.03	1.00	0.95	0.91	0.88	0.88								
L55 .00	LOADER/BACKHOE, ATTACHMENTS	1.10	1.05	1.00	0.94											
L60 .00	LOG SKIDDER	1.06	1.03	1.00	0.98	0.96	0.94	0.94	0.94							
P10 .00	PILE EXTRACTORS & LEADS	1.11	1.06	1.00	0.93											
P20 .00	PILE HAMMERS, DOUBLE ACTING	1.11	1.06	1.00	0.93											
P25 .00	PILE HAMMERS, SINGLE ACTING	1.11	1.06	1.00	0.93											
P30 .00	PILE HAMMERS, VIBRATORY	1.11	1.06	1.00	0.93											
P35 .00	PIPELAYERS	1.08	1.04	1.00	0.93	0.87	0.83	0.83	0.83							
P40 .00	PLATFORMS, AERIAL WORK	1.14	1.06	1.00	0.92	0.89	0.85									
P45 .00	PUMPS, GROUT	1.09	1.04	1.00	0.95	0.92	0.90									
P50 .00	PUMPS, WATER, CENTRIFUGAL, TRASH															
P50 .10	SKID MOUNTED															
P50 .11	ENGINE DRIVE	1.10	1.05	1.00	0.94	0.91	0.89									
P50 .12	ELECTRIC DRIVE	1.10	1.05	1.00	0.94	0.91	0.89									
P50 .20	WHEEL MOUNTED															
P50 .21	ENGINE DRIVE	1.10	1.05	1.00	0.94	0.91	0.89									
P50 .22	ELECTRIC DRIVE	1.10	1.05	1.00	0.94	0.91	0.89									
P55 .00	PUMPS, WATER, SUBMERSIBLE															
P55 .01	ENGINE DRIVE	1.10	1.05	1.00	0.94	0.91	0.89	0.88								
P55 .02	ELECTRIC DRIVE	1.10	1.05	1.00	0.94	0.91	0.89	0.88								
P60 .00	PUMPS, WATER, CENTRIF, DEWATERING															
P60 .10	SKID MOUNTED															
P60 .11	ENGINE DRIVE	1.10	1.05	1.00	0.94	0.91	0.89									
P60 .12	ELECTRIC DRIVE	1.10	1.05	1.00	0.94	0.91	0.89									
P60 .20	WHEEL MOUNTED															
P60 .21	ENGINE DRIVE	1.10	1.05	1.00	0.94	0.91	0.89									
P60 .22	ELECTRIC DRIVE	1.10	1.05	1.00	0.94	0.91	0.89									
P65 .00	PUMPS, WATER, DIAPHRAGM															
P65 .10	SKID MOUNTED															
P65 .11	ENGINE DRIVE	1.10	1.05	1.00	0.94	0.91	0.89									
P65 .12	ELECTRIC DRIVE	1.10	1.05	1.00	0.94	0.91	0.89									
P65 .20	WHEEL MOUNTED															
P65 .21	ENGINE DRIVE	1.10	1.05	1.00	0.94	0.91	0.89									
P65 .22	ELECTRIC DRIVE	1.10	1.05	1.00	0.94	0.91	0.89									
P70 .00	PUMPS, WATER (FOR CORE DRILLS)															
P70 .01	ENGINE DRIVE	1.10	1.05	1.00	0.94	0.91	0.89									
P70 .02	ELECTRIC DRIVE	1.10	1.05	1.00	0.94	0.91	0.89									
R10 .00	RIPPERS & HYDRAULIC BANK SLOPERS	1.08	1.04	1.00	0.93	0.87	0.83									
R15 .00	ROLLERS, TOWED - PNEUMATIC	1.06	1.03	1.00	0.98	0.92	0.91	0.89								

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

CATEGORY	SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW													
			1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	
	R20 .00	ROLLERS, TOWED - STEEL DRUM	1.06	1.03	1.00	0.98	0.92	0.91	0.89							
	R30 .00	ROLLERS, STATIC, SELF-PROPELLED	1.06	1.03	1.00	0.97	0.92	0.91	0.89							
	R30 .01	PNEUMATIC	1.06	1.03	1.00	0.98	0.92	0.91	0.89							
	R30 .02	SMOOTH DRUM	1.06	1.03	1.00	0.98	0.92	0.91	0.89							
	R30 .03	TAMPING FOOT	1.06	1.03	1.00	0.98	0.92	0.91	0.89							
	R40 .00	ROLLERS, VIBRATORY, TOWED	1.06	1.03	1.00	0.97	0.92	0.91	0.89							
	R45 .00	ROLLERS, VIBRATORY, DOUBLE DRUM,	1.06	1.03	1.00	0.97	0.92	0.91	0.89							
	R50 .00	ROLLERS, VIBRATORY, SINGLE DRUM	1.06	1.03	1.00	0.97	0.92	0.91	0.89							
	R55 .00	ROOFING EQUIPMENT	1.09	1.04	1.00	0.95										
	S10 .00	SCRAPERS, ELEVATING														
	S10 .01	0 THRU 200 HP	1.08	1.04	1.00	0.94	0.92	0.87	0.87							
	S10 .02	OVER 200 HP	1.07	1.04	1.00	0.94	0.92	0.88	0.87							
	S15 .00	SCRAPERS, CONVENTIONAL	1.07	1.04	1.00	0.94	0.92	0.88	0.87							
	S20 .00	SCRAPERS, TANDEM POWERED	1.07	1.04	1.00	0.94	0.92	0.88	0.87							
	S25 .00	SCRAPERS, TRACTOR DRAWN	1.08	1.04	1.00	0.94	0.92	0.87	0.87	0.84						
	S30 .00	SCREENING PLANTS														
	S35 .00	SNOW REMOVAL EQUIPMENT	1.09	1.05	1.00	0.95	0.92	0.89	0.87							
	S40 .00	SOIL STABILIZERS	1.08	1.04	1.00	0.94	0.92	0.87	0.87							
	S45 .00	SPLITTERS, ROCK & CONCRETE	1.10	1.05	1.00	0.94										
	T10 .00	TRACTOR BLADES & ATTACHMENTS	1.08	1.04	1.00	0.94	0.87	0.83	0.83							
	T15 .00	TRACTORS, CRAWLER (DOZER)														
	T15 .01	0 THRU 225 HP	1.08	1.04	1.00	0.93	0.86	0.82	0.82							
	T15 .02	226 HP THRU 425 HP	1.08	1.04	1.00	0.94	0.87	0.83	0.83							
	T15 .03	OVER 425 HP	1.08	1.04	1.00	0.94	0.88	0.84	0.84	0.85						
	T20 .00	TRACTORS, WHEEL TYPE (DOZER)	1.06	1.03	1.00	0.98	0.96	0.94	0.94							
	T25 .00	TRACTORS, WHEEL TYPE (FARM)	1.06	1.03	1.00	0.98	0.96	0.94	0.94							
	T30 .00	TRENCHERS, CHAIN	1.08	1.04	1.00	0.98	0.96	0.96	0.96							
	T35 .00	TRENCHERS, WHEEL TYPE	1.08	1.04	1.00	0.98	0.96	0.96	0.93							
	T40 .00	TRUCK OPTIONS, (ADD TRUCK)														
	T40 .10	CRANES, HYDRAULIC	1.09	1.05	1.00	0.95	0.92	0.89	0.89							
	T40 .20	DUMP BODY, REAR	1.09	1.05	1.00	0.95	0.92	0.89	0.89							
	T40 .30	FLATBEDS, W/ CONT. SIDES	1.09	1.05	1.00	0.95	0.92	0.89	0.89							
	T40 .40	HOIST														
	T40 .41	ELECTRIC DRIVE	1.09	1.05	1.00	0.95	0.92	0.89	0.89							
	T40 .50	TRANSIT MIXERS	1.09	1.04	1.00	0.95	0.92	0.90	0.90							
	T40 .60	WATER TANKS	1.09	1.05	1.00	0.95	0.92	0.89	0.89							
	T40 .70	ALL OTHER OPTIONS	1.09	1.05	1.00	0.95	0.92	0.89	0.89							
	T45 .00	TRUCK TRAILERS, BOTTOM DUMP	1.09	1.04	1.00	0.95	0.92	0.90	0.89							
	T45 .10															

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

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
T45 .20	END DUMP	1.09	1.04	1.00	0.95	0.92	0.90	0.89								
T45 .30	PUP TRAILER	1.09	1.04	1.00	0.95	0.92	0.90									
T45 .40	LOWBOY (EQUIPMENT HAULING)															
T45 .41	RIGID NECK, DROP DECK	1.10	1.05	1.00	0.94	0.91	0.88	0.87								
T45 .50	PLATFORM TRAILER	1.10	1.05	1.00	0.94	0.91	0.88	0.87								
T45 .60	TIILT TRAILER	1.10	1.05	1.00	0.94	0.91	0.88	0.87								
T45 .70	WATER TANKER TRAILER	1.10	1.05	1.00	0.94	0.91	0.88	0.87								
T45 .80	DECONTAMINATION FACILITY	1.10	1.05	1.00	0.94	0.91	0.88									
T50 .00	TRUCKS, HIGHWAY															
T50 .01	0 THRU 10,000 GVW	1.07	1.02	1.00	0.95	0.93										
T50 .02	OVER 10,000 THRU 30,000 GVW	1.07	1.02	1.00	0.95	0.93	0.92									
T50 .03	OVER 30,000 GVW	1.06	1.02	1.00	0.96	0.93	0.93									
T55 .00	TRUCKS, OFF-HIGHWAY	1.12	1.05	1.00	0.92	0.88	0.86	0.85	0.84							
T60 .00	TRUCKS, WATER, OFF-HIGHWAY	1.13	1.06	1.00	0.92	0.87	0.85	0.85	0.84							
T65 .00	TUNNEL MINING MACHINES															
W10 .00	WAGONS, BOTTOM DUMP	1.12	1.05	1.00	0.92	0.88	0.86	0.85	0.84							
W15 .00	WAGONS, REAR DUMP	1.12	1.05	1.00	0.92	0.88	0.86	0.85	0.84							
W25 .00	WATER BLASTERS															
W25 .10	LOW PRESSURE, (< 5,000 PSI)	1.10	1.05	1.00												
W25 .20	HIGH PRESSURE, (>= 5,000 PSI)	1.10	1.05	1.00	0.94											
W25 .30	STEAM CLEANERS	1.10	1.05	1.00												
W30 .00	WATER TANKS															
W30 .10	PORTABLE W/ WHEELS	1.13	1.06	1.00	0.92	0.87	0.85	0.85	0.84							
W30 .20	SKID MOUNTED	1.13	1.06	1.00	0.92	0.87	0.85	0.85	0.84							
W35 .00	WELDERS															
W35 .10	GASOLINE or DIESEL DRIVE	1.10	1.05	1.00	0.94	0.91	0.88									
W35 .20	ELECTRICAL															
W35 .21	ELECTRIC DRIVE	1.10	1.05	1.00	0.94											
W35 .22	MIG	1.10	1.05	1.00	0.94											
W35 .23	RECTIFIER	1.10	1.05	1.00	0.94											
W35 .24	TRANSFORMER	1.10	1.05	1.00	0.94											

$$) \quad , \quad \alpha _{i+1} \quad , \quad \dots \quad , \quad \alpha _n \quad )$$

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

REGION VIII

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 3-2f.

Example: Assume that a two-year-old (manufactured in 1989) 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 1985, the hourly standby rate can be determined as follows:

$$\text{Hourly Standby Rate} = \$18.00/\text{Hr}$$

$$\begin{aligned} \text{Standby Adjusted for Age} \\ (\text{Standby Rate}) \times (\text{Age Adjustment Factor}) \\ = (\$18.00) \times (.85) &= \$15.30/\text{Hr} \end{aligned}$$

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

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW													
		1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
A10 .00	AGGREGATE/CHIP SPREADERS														
A10 .10	SELF PROPELLED	1.06	1.04	1.00	0.97	0.95									
A10 .20	TOWED & TAILGATE	1.07	1.04	1.00											
A15 .00	AIR COMPRESSORS, PORTABLE														
A15 .10	ROTARY SCREW	1.10	1.04	1.00	0.95	0.90									
A20 .00	AIR HOSE, TOOLS & EQUIPMENT														
A20 .10	AIR HOSES	1.10													
A20 .20	BLAST HOSE	1.10													
A20 .30	SANDBLASTERS & BREAKERS	1.11	1.04												
A25 .00	ASPHALT DISTRIBUTORS	1.06	1.04	1.00	0.97										
A30 .00	ASPHALT FINISHERS/PAVERS														
A30 .10	SELF PROPELLED	1.06	1.04	1.00	0.97	0.95									
A30 .20	TOWED	1.06	1.04	1.00	0.97	0.95									
A35 .00	ASPHALT KETTLES	1.07	1.04	1.00											
A40 .00	ASPHALT & CONCR. MILLERS/PROFILERS	1.06	1.04	1.00	0.97	0.95									
A45 .00	ASPHALT RECYCLERS & SEALERS	1.06	1.04	1.00	0.97										
B00 .00	BACKHOE (SEE HYD. EXCAV.)														
B10 .00	BATCH PLANTS, ASPHALT & CONCRETE														
B15 .00	BROOMS, STREET SWEEPERS & FLUSHERS	1.09	1.04	1.00	0.95										
B20 .00	BRUSH CHIPPERS	1.09	1.04	1.00	0.95										
B25 .00	BUCKETS, CLAMSHELL	1.11	1.07	1.00	0.91	0.89									
B30 .00	BUCKETS, CONCRETE														
B30 .10	GENERAL PURPOSE, MANUAL	1.11	1.07	1.00	0.91	0.89									
B30 .20	LAYDOWN	1.11	1.07	1.00	0.91	0.89									
B30 .30	LOWBOY	1.11	1.07	1.00	0.91	0.89									
B30 .40	LOW SLUMP	1.11	1.07	1.00	0.91	0.89									
B35 .00	BUCKETS, DRAGLINE														
B35 .10	LIGHT WEIGHT	1.11	1.07	1.00	0.91										
B35 .20	MEDIUM WEIGHT	1.11	1.07	1.00	0.91	0.89									
B35 .30	HEAVY WEIGHT	1.11	1.07	1.00	0.91	0.89									
C05 .00	CHAIN SAWS	1.09	1.04												
C10 .00	COMPACTORS, MANUALLY OPERATED	1.09	1.05												
C15 .00	CONCRETE BLASTERS	1.09	1.05	1.00											
C20 .00	CONCRETE BUGGIES	1.09	1.05												
C25 .00	CONCRETE FINISHERS	1.09	1.05												
C30 .00	CONCRETE GRINDERS	1.09	1.05												
C35 .00	CONCRETE GUNITERS/SHOTCRETERS	1.09	1.04	1.00											
C40 .00	CONCRETE MIXERS	1.09	1.05												

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

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
C45 .00	CONCRETE PAVING MACHINES	1.06	1.04	1.00	0.97	0.95										
C55 .00	CONCRETE PUMPS	1.09	1.04	1.00	0.95											
C60 .00	CONCRETE SAWS	1.09	1.05	1.00												
C65 .00	CONCRETE VIBRATORS	1.11	1.04													
C70 .00	CRANES, GANTRY & STRADDLE															
C75 .00	CRANES, HYDRAULIC, SELF-PROP.	1.12	1.05	1.00	0.93	0.90	0.87	0.85	0.83							
C80 .00	CRANES, HYDRAULIC, TRUCK MTD															
C80 .01	UNDER 26 TON	1.12	1.05	1.00	0.93	0.90	0.87	0.85	0.83							
C80 .02	26 TON THRU 65 TON	1.12	1.05	1.00	0.93	0.90	0.87	0.85	0.84	0.82						
C80 .03	66 TON THRU 125 TON	1.12	1.05	1.00	0.93	0.90	0.87	0.85	0.84	0.82	0.80					
C80 .04	OVER 125 TON	1.12	1.05	1.00	0.93	0.90	0.88	0.85	0.84	0.82	0.81	0.75	0.70			
C85 .00	CRANES, MECHANICAL, CRAWLER MTD															
C85 .10	DRAGLINE, CLAMSHELL															
C85 .11	0 THRU 1 CY	1.12	1.05	1.00	0.93	0.90	0.87	0.85								
C85 .12	OVER 1 CY THRU 2-1/2 CY	1.12	1.05	1.00	0.93	0.90	0.87	0.85	0.83							
C85 .13	OVER 2-1/2 CY THRU 5 CY	1.12	1.05	1.00	0.93	0.90	0.87	0.85	0.84	0.82						
C85 .14	OVER 5 CY	1.12	1.05	1.00	0.93	0.90	0.87	0.85	0.84	0.82	0.80					
C85 .20	LIFTING															
C85 .21	0 THRU 25 TON	1.12	1.05	1.00	0.93	0.90	0.87	0.85								
C85 .22	26 TON THRU 50 TON	1.12	1.05	1.00	0.93	0.90	0.87	0.85	0.83							
C85 .23	51 TON THRU 150 TON	1.12	1.05	1.00	0.93	0.90	0.87	0.85	0.84	0.82	0.80					
C85 .24	OVER 150 TON	1.12	1.05	1.00	0.93	0.90	0.88	0.85	0.84	0.82	0.81	0.75	0.70			
C90 .00	CRANES, MECHANICAL, TRUCK MTD															
C90 .01	UNDER 26 TON	1.12	1.05	1.00	0.93	0.90	0.87	0.85	0.83							
C90 .02	26 TON THRU 65 TON	1.12	1.05	1.00	0.93	0.90	0.87	0.85	0.84	0.82						
C90 .03	66 TON THRU 125 TON	1.12	1.05	1.00	0.93	0.90	0.87	0.85	0.84	0.82	0.80					
C90 .04	OVER 125 TON	1.12	1.05	1.00	0.93	0.90	0.88	0.85	0.84	0.82	0.81	0.75	0.70			
C95 .00	CRANES, TOWER	1.12	1.05	1.00	0.93	0.90	0.87	0.85	0.84	0.82	0.80					
D10 .00	DRILLS, AIR TRACK, CRAWLER MTD	1.08	1.04	1.00	0.94	0.93										
D15 .00	DRILLS, BORING MACHINES	1.08	1.04	1.00	0.94	0.93										
D20 .00	DRILLS, CORE, COLUMN MOUNTED	1.08	1.04	1.00	0.94											
D25 .00	DRILLS, CORE, SKID MOUNTED	1.08	1.04	1.00	0.94	0.93										
D30 .00	DRILLS, EARTH/AUGER	1.08	1.04	1.00	0.94	0.93										
D35 .00	DRILLS, ROTARY BLAST HOLE															
D35 .10	DIESEL or GASOLINE															
D35 .11	0" THRU 11" DIA. HOLE	1.08	1.04	1.00	0.94	0.94	0.93	0.95	0.94							
D35 .12	OVER 11" DIAM.	1.08	1.04	1.00	0.94	0.94	0.94	0.95	0.94	0.95	0.94					
D35 .20	ELECTRIC															
D35 .21	0" THRU 11" DIA. HOLE	1.08	1.04	1.00	0.94	0.94	0.93	0.95	0.94							

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

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW												
		1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979
D35 .22	OVER 11" DIAM.	1.08	1.04	1.00	0.94	0.94	0.94	0.95	0.94	0.95	0.94	0.94	0.94	0.94
F10 .00	FORK LIFTS	1.09	1.04	1.00	0.95	0.92								
G10 .00	GENERATOR SETS													
G10 .10	PORTABLE	1.08	1.03	1.00	0.94									
G10 .20	SKID MOUNTED	1.07	1.03	1.00	0.94	0.89								
G15 .00	GRADERS, MOTOR	1.07	1.04	1.00	0.95	0.92	0.88	0.87						
H10 .00	HAMMERS, HYDRAULIC	1.09	1.05	1.00										
H15 .00	HEATERS, SPACE													
H20 .00	HOIST	1.09	1.04	1.00	0.95	0.92								
H25 .00	HYDRAULIC EXCAVATORS, CRAWLER MTD													
H25 .10	DIESEL or GASOLINE													
H25 .11	0 THRU 1 CY	1.08	1.05	1.00	0.92									
H25 .12	OVER 1 CY THRU 2-1/2 CY	1.07	1.05	1.00	0.92	0.90								
H25 .13	OVER 2-1/2 CY THRU 5 CY	1.07	1.05	1.00	0.93	0.90	0.87	0.85						
H25 .14	OVER 5 CY	1.07	1.05	1.00	0.93	0.90	0.87	0.85	0.83					
H30 .00	HYDRAULIC EXCAVATORS, WHEEL MTD													
H30 .01	0 THRU 1 CY	1.08	1.05	1.00	0.92									
H30 .02	OVER 1 CY	1.07	1.05	1.00	0.92	0.90								
H35 .00	HYDRAULIC SHOVELS, CRAWLER MOUNTED													
H35 .10	DIESEL													
H35 .11	0 CY THRU 5 CY	1.07	1.05	1.00	0.93	0.90	0.87	0.85	0.83					
H35 .12	OVER 5 CY	1.07	1.05	1.00	0.93	0.90	0.87	0.85	0.84	0.82				
H35 .20	ELECTRIC													
H35 .21	OVER 2-1/2 CY	1.07	1.05	1.00	0.93	0.90	0.87	0.85	0.84	0.82	0.80			
L10 .00	LAND CLEARING EQUIPMENT	1.08	1.04	1.00	0.94									
L15 .00	LAWN MOWERS	1.09	1.04											
L20 .00	LIGHTING SETS, TRAILER MOUNTED													
L20 .10	METALLIC VAPOR	1.09	1.05	1.00	0.95									
L25 .00	LINE STRIPING EQUIPMENT	1.09	1.05	1.00	0.95									
L30 .00	LOADERS, BELT	1.09	1.04	1.00	0.95	0.92								
L35 .00	LOADERS, FRONT END, CRAWLER TYPE	1.07	1.04	1.00	0.94	0.88								
L40 .00	LOADERS, FRONT END, WHEEL TYPE													
L40 .10	ARTICULATED													
L40 .11	0 THRU 225 HP	1.08	1.03	1.00	0.96	0.92								
L40 .12	OVER 225 HP	1.07	1.03	1.00	0.96	0.93	0.90	0.89						
L40 .20	SKID STEER	1.08	1.03	1.00	0.96									
L40 .30	TOOL CARRIER													
L40 .31	0 THRU 225 HP	1.08	1.03	1.00	0.96	0.92								
L40 .32	OVER 225 HP	1.07	1.03	1.00	0.96	0.93	0.90	0.89						

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

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
L45 .00	LOADERS w/ BACKHOE, CRAWLER TYPE	1.07	1.04	1.00	0.94	0.88										
L50 .00	LOADERS w/ BACKHOE, WHEEL TYPE	1.08	1.03	1.00	0.96	0.92										
L55 .00	LOADER/BACKHOE, ATTACHMENTS	1.09	1.05	1.00												
L60 .00	LOG SKIDDER	1.06	1.03	1.00	0.98	0.96										
P10 .00	PILE EXTRACTORS & LEADS	1.10	1.05	1.00												
P20 .00	PILE HAMMERS, DOUBLE ACTING	1.10	1.05	1.00												
P25 .00	PILE HAMMERS, SINGLE ACTING	1.10	1.05	1.00												
P30 .00	PILE HAMMERS, VIBRATORY	1.10	1.05	1.00												
P35 .00	PIPELAYERS	1.08	1.04	1.00	0.94	0.88	0.84	0.84								
P40 .00	PLATFORMS, AERIAL WORK	1.13	1.05	1.00	0.92											
P45 .00	PUMPS, GROUT	1.09	1.04	1.00	0.95											
P50 .00	PUMPS, WATER, CENTRIFUGAL, TRASH															
P50 .10	SKID MOUNTED															
P50 .11	ENGINE DRIVE	1.09	1.05	1.00	0.95											
P50 .12	ELECTRIC DRIVE	1.09	1.05	1.00	0.95											
P50 .20	WHEEL MOUNTED															
P50 .21	ENGINE DRIVE	1.09	1.05	1.00	0.95											
P50 .22	ELECTRIC DRIVE	1.09	1.05	1.00	0.95											
P55 .00	PUMPS, WATER, SUBMERSIBLE															
P55 .01	ENGINE DRIVE	1.09	1.04	1.00	0.95	0.92										
P55 .02	ELECTRIC DRIVE	1.09	1.04	1.00	0.95	0.92										
P60 .00	PUMPS, WATER, CENTRIF, DEWATERING															
P60 .10	SKID MOUNTED															
P60 .11	ENGINE DRIVE	1.09	1.05	1.00	0.95											
P60 .12	ELECTRIC DRIVE	1.09	1.05	1.00	0.95											
P60 .20	WHEEL MOUNTED															
P60 .21	ENGINE DRIVE	1.09	1.05	1.00	0.95											
P60 .22	ELECTRIC DRIVE	1.09	1.05	1.00	0.95											
P65 .00	PUMPS, WATER, DIAPHRAGM															
P65 .10	SKID MOUNTED															
P65 .11	ENGINE DRIVE	1.09	1.05	1.00	0.95											
P65 .12	ELECTRIC DRIVE	1.09	1.05	1.00	0.95											
P65 .20	WHEEL MOUNTED															
P65 .21	ENGINE DRIVE	1.09	1.05	1.00	0.95											
P65 .22	ELECTRIC DRIVE	1.09	1.05	1.00	0.95											
P70 .00	PUMPS, WATER (FOR CORE DRILLS)															
P70 .01	ENGINE DRIVE	1.09	1.05	1.00	0.95											
P70 .02	ELECTRIC DRIVE	1.09	1.05	1.00	0.95											
R10 .00	RIPPERS & HYDRAULIC BANK SLOPERS	1.08	1.04	1.00	0.94											

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

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
R15 .00	ROLLERS, TOWED - PNEUMATIC	1.06	1.03	1.00	0.98	0.93										
R20 .00	ROLLERS, TOWED - STEEL DRUM	1.06	1.03	1.00	0.98	0.93										
R30 .00	ROLLERS, STATIC, SELF-PROPELLED															
R30 .01	PNEUMATIC	1.06	1.03	1.00	0.98											
R30 .02	SMOOTH DRUM	1.06	1.03	1.00	0.98	0.93										
R30 .03	TAMPING FOOT	1.06	1.03	1.00	0.98	0.93										
R40 .00	ROLLERS, VIBRATORY, TOWED	1.06	1.03	1.00	0.98											
R45 .00	ROLLERS, VIBRATORY, DOUBLE DRUM,	1.06	1.03	1.00	0.98											
R50 .00	ROLLERS, VIBRATORY, SINGLE DRUM	1.06	1.03	1.00	0.98											
R55 .00	ROOFING EQUIPMENT	1.09	1.04	1.00												
S10 .00	SCRAPERS, ELEVATING															
S10 .01	0 THRU 200 HP	1.07	1.04	1.00	0.95	0.92										
S10 .02	OVER 200 HP	1.07	1.04	1.00	0.95	0.92										
S15 .00	SCRAPERS, CONVENTIONAL	1.07	1.04	1.00	0.95	0.92										
S20 .00	SCRAPERS, TANDEM POWERED	1.07	1.04	1.00	0.95	0.92										
S25 .00	SCRAPERS, TRACTOR DRAWN	1.07	1.04	1.00	0.95	0.92	0.88	0.88								
S30 .00	SCREENING PLANTS															
S35 .00	SNOW REMOVAL EQUIPMENT	1.09	1.04	1.00	0.95											
S40 .00	SOIL STABILIZERS	1.07	1.04	1.00	0.95	0.92										
S45 .00	SPLITTERS, ROCK & CONCRETE	1.09	1.05	1.00												
T10 .00	TRACTOR BLADES & ATTACHMENTS	1.08	1.04	1.00	0.94	0.88										
T15 .00	TRACTORS, CRAWLER (DOZER)															
T15 .01	0 THRU 225 HP	1.08	1.04	1.00	0.94	0.87										
T15 .02	226 HP THRU 425 HP	1.08	1.04	1.00	0.94	0.88										
T15 .03	OVER 425 HP	1.07	1.04	1.00	0.94	0.88	0.85	0.85								
T20 .00	TRACTORS, WHEEL TYPE (DOZER)	1.06	1.03	1.00	0.98	0.96										
T25 .00	TRACTORS, WHEEL TYPE (FARM)	1.06	1.03	1.00	0.98											
T30 .00	TRENCHERS, CHAIN	1.08	1.03	1.00	0.98											
T35 .00	TRENCHERS, WHEEL TYPE	1.08	1.03	1.00	0.98	0.96										
T40 .00	TRUCK OPTIONS, (ADD TRUCK)															
T40 .10	CRANES, HYDRAULIC	1.09	1.04	1.00	0.95											
T40 .20	DUMP BODY, REAR	1.09	1.04	1.00	0.95											
T40 .30	FLATBEDS, W/ CONT. SIDES	1.09	1.04	1.00	0.95											
T40 .40	HOIST															
T40 .41	ELECTRIC DRIVE	1.09	1.04	1.00	0.95											
T40 .50	TRANSIT MIXERS	1.09	1.04	1.00	0.95											
T40 .60	WATER TANKS	1.09	1.04	1.00	0.95											
T40 .70	ALL OTHER OPTIONS	1.09	1.04	1.00	0.95											
T45 .00	TRUCK TRAILERS,															

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

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW													
		1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
T45 .10	BOTTOM DUMP	1.09	1.04	1.00	0.95	0.92									
T45 .20	END DUMP	1.09	1.04	1.00	0.95	0.92									
T45 .30	PUP TRAILER	1.09	1.04	1.00	0.95										
T45 .40	LOWBOY (EQUIPMENT HAULING)														
T45 .41	RIGID NECK, DROP DECK	1.09	1.05	1.00	0.95	0.92									
T45 .50	PLATFORM TRAILER	1.09	1.05	1.00	0.95	0.92									
T45 .60	TIILT TRAILER	1.09	1.05	1.00	0.95	0.92									
T45 .70	WATER TANKER TRAILER	1.09	1.05	1.00	0.95	0.92									
T45 .80	DECONTAMINATION FACILITY	1.10	1.05	1.00	0.94										
T50 .00	TRUCKS, HIGHWAY														
T50 .01	0 THRU 10,000 GVW	1.06	1.02	1.00											
T50 .02	OVER 10,000 THRU 30,000 GVW	1.06	1.02	1.00	0.96										
T50 .03	OVER 30,000 GVW	1.06	1.02	1.00	0.96										
T55 .00	TRUCKS, OFF-HIGHWAY	1.11	1.05	1.00	0.92	0.88	0.86	0.86							
T60 .00	TRUCKS, WATER, OFF-HIGHWAY	1.12	1.05	1.00	0.92	0.88	0.86	0.86							
T65 .00	TUNNEL MINING MACHINES														
W10 .00	WAGONS, BOTTOM DUMP	1.11	1.05	1.00	0.92	0.88	0.86	0.86							
W15 .00	WAGONS, REAR DUMP	1.11	1.05	1.00	0.92	0.88	0.86	0.86							
W25 .00	WATER BLASTERS														
W25 .10	LOW PRESSURE, ( $< 5,000$ PSI)	1.09	1.05												
W25 .20	HIGH PRESSURE, ( $\geq 5,000$ PSI)	1.09	1.05	1.00											
W25 .30	STEAM CLEANERS	1.09	1.05												
W30 .00	WATER TANKS														
W30 .10	PORTABLE W/ WHEELS	1.12	1.05	1.00	0.92	0.88	0.86	0.86							
W30 .20	SKID MOUNTED	1.12	1.05	1.00	0.92	0.88	0.86	0.86							
W35 .00	WELDERS														
W35 .10	GASOLINE or DIESEL DRIVE	1.10	1.05	1.00	0.94										
W35 .20	ELECTRICAL														
W35 .21	ELECTRIC DRIVE	1.10	1.05	1.00											
W35 .22	MIG	1.10	1.05	1.00											
W35 .23	RECTIFIER	1.10	1.05	1.00											
W35 .24	TRANSFORMER	1.10	1.05	1.00											

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TABLE 3-4. SHIFT ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

REGION VIII

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

Example: Assume that the truck crane in Example A of TABLE 3-2 is to be worked 10 hours per day, 6 days per week. The total hourly rate for this piece of equipment (Service Life = 16,000 Hrs.) can be determined as follows:

Total Hourly Rate (adjusted for age)	= \$50.20/Hr
Ownership Rate (adjusted for age)	(-) \$25.20/Hr
Ownership Adjusted for Work Hours (Ownership Rate) x (Work Hr Adjustment Factor) = (\$25.20) x (.88)	= (+) <u>\$22.18/Hr</u>
Adjusted Total Hourly Rate	= \$47.18/Hr

TABLE 3-4. SHIFT ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

Service Life From APP. D	EQUIPMENT USEAGE - HOURS PER WEEK												
	40	45	48	54	60	66	72	80	90	100	110	120	140
3,500	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.94	0.93	0.92	0.92	0.92	0.91
4,000	1.00	0.98	0.98	0.96	0.95	0.95	0.94	0.93	0.92	0.92	0.91	0.91	0.90
5,000	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.90	0.89	0.89
5,500	1.00	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.89	0.88
6,000	1.00	0.98	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.88	0.87
6,500	1.00	0.98	0.97	0.95	0.94	0.92	0.91	0.90	0.89	0.88	0.88	0.87	0.86
7,000	1.00	0.98	0.97	0.95	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.87	0.86
8,000	1.00	0.98	0.96	0.94	0.93	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84
9,000	1.00	0.97	0.96	0.94	0.92	0.91	0.89	0.88	0.87	0.86	0.85	0.84	0.83
10,000	1.00	0.97	0.96	0.93	0.91	0.90	0.89	0.87	0.86	0.85	0.84	0.83	0.82
11,000	1.00	0.97	0.95	0.93	0.91	0.89	0.88	0.86	0.85	0.84	0.83	0.82	0.80
12,000	1.00	0.97	0.95	0.92	0.90	0.89	0.87	0.85	0.84	0.83	0.81	0.81	0.79
13,000	1.00	0.97	0.95	0.92	0.90	0.88	0.86	0.85	0.83	0.82	0.81	0.80	0.78
14,000	1.00	0.96	0.95	0.92	0.89	0.87	0.86	0.84	0.82	0.81	0.80	0.79	0.77
15,000	1.00	0.96	0.94	0.91	0.89	0.87	0.85	0.83	0.81	0.80	0.79	0.78	0.76
16,000	1.00	0.96	0.94	0.91	0.88	0.86	0.84	0.83	0.81	0.79	0.78	0.77	0.75
18,000	1.00	0.96	0.94	0.90	0.88	0.85	0.83	0.81	0.79	0.78	0.76	0.75	0.73
20,000	1.00	0.96	0.93	0.90	0.87	0.84	0.82	0.80	0.78	0.76	0.75	0.73	0.72
22,000	1.00	0.95	0.93	0.89	0.86	0.83	0.81	0.79	0.77	0.75	0.73	0.72	0.70
50,000	1.00	0.93	0.90	0.84	0.79	0.76	0.73	0.69	0.66	0.63	0.61	0.59	0.56

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID.	NO.	AVERAGE CONDITIONS						SEVERE CONDITIONS									
			DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
A10	A10ET001		5.31	1.93	3.49	0.84	0.26	0.04	5.37	17.24								
	A10ET002		5.54	2.01	4.36	1.05	0.26	0.04	5.60	18.86								
	A10ET003		6.03	2.19	3.49	0.84	0.26	0.04	6.10	18.95								
	A10ET004		6.27	2.27	4.36	1.05	0.26	0.04	6.34	20.59								
	A10RS001		4.88	1.78	3.49	0.84	0.26	0.04	4.94	16.23								
	A10RS002		4.97	1.81	3.49	0.84	0.26	0.04	5.03	16.44								
	A10AR001		0.37	0.08	0.00	0.00	0.00	0.00	0.30	0.75								
	A10AR002		0.72	0.16	0.00	0.00	0.00	0.00	0.58	1.46								
A15	A15XX001		0.90	0.37	4.09	1.31	0.03	0.00	1.02	7.72								
	A15XX002		1.08	0.44	1.03	0.29	0.03	0.00	1.22	4.09								
	A15XX003		1.10	0.45	5.31	1.70	0.03	0.00	1.25	9.84								
	A15XX004		1.17	0.48	1.51	0.42	0.03	0.00	1.33	4.94								
	A15XX005		1.21	0.49	5.72	1.83	0.03	0.00	1.36	10.64								
	A15XX006		1.37	0.55	1.92	0.54	0.03	0.00	1.55	5.96								
	A15XX007		1.25	0.51	5.72	1.83	0.03	0.00	1.41	10.75								
	A15XX008		1.47	0.60	2.21	0.62	0.03	0.00	1.66	6.59								
	A15XX009		2.06	0.83	2.80	0.79	0.04	0.01	2.33	8.86								
	A15XX010		2.67	1.10	3.31	0.93	0.16	0.02	3.03	11.22								
	A15XX011		3.82	1.56	4.43	1.24	0.16	0.02	4.33	15.56								
	A15XX012		4.26	1.75	5.90	1.65	0.19	0.03	4.82	18.60								
	A15XX013		4.94	2.02	7.08	1.98	0.19	0.03	5.59	21.83								
	A15XX014		5.56	2.27	7.68	2.15	0.19	0.03	6.29	24.17								
	A15XX015		7.89	3.20	9.59	2.69	0.19	0.03	8.91	32.50								
	A15XX016		8.82	3.58	11.66	3.26	0.23	0.03	9.97	37.55								
	A15XX017		9.27	3.76	13.46	3.77	0.23	0.03	10.47	40.99								
A20	A20XX001		0.13	0.02	0.00	0.00	0.00	0.00	0.23	0.38								
	A20XX002		0.14	0.02	0.00	0.00	0.00	0.00	0.25	0.41								
	A20XX003		0.17	0.02	0.00	0.00	0.00	0.00	0.31	0.50								
	A20XX004		0.20	0.02	0.00	0.00	0.00	0.00	0.37	0.59								
	A20XX005		0.28	0.03	0.00	0.00	0.00	0.00	0.51	0.82								
	A20XX006		0.33	0.04	0.00	0.00	0.00	0.00	0.61	0.98								
	A20XX007		0.68	0.09	0.00	0.00	0.00	0.00	1.26	2.03								
	A20XX008		1.03	0.13	0.00	0.00	0.00	0.00	1.89	3.05								
	A20XX009		0.04	0.01	0.00	0.00	0.00	0.00	0.08	0.13								
	A20XX010		0.05	0.01	0.00	0.00	0.00	0.00	0.08	0.14								
	A20XX011		0.11	0.01	0.00	0.00	0.00	0.00	0.20	0.32								
	A20XX012		0.14	0.02	0.00	0.00	0.00	0.00	0.25	0.41								
	A20XX013		0.16	0.02	0.00	0.00	0.00	0.00	0.30	0.48								
	A20XX014		0.24	0.03	0.00	0.00	0.00	0.00	0.44	0.71								

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS						SEVERE CONDITIONS								
		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR
A20	A20XX015	0.31	0.04	0.00	0.00	0.00	0.00	0.58	0.93							
	A20XX016	0.45	0.06	0.00	0.00	0.00	0.00	0.83	1.34							
	A20XX017	0.10	0.01	0.00	0.00	0.00	0.00	0.21	0.32							
	A20XX018	0.14	0.02	0.00	0.00	0.00	0.00	0.28	0.44							
	A20XX019	0.18	0.02	0.00	0.00	0.00	0.00	0.35	0.55							
	A20XX020	0.21	0.03	0.00	0.00	0.00	0.00	0.43	0.67							
	A20CM001	0.32	0.05	0.00	0.06	0.00	0.00	0.67	1.10							
	A20CM002	0.57	0.09	0.00	0.06	0.00	0.00	1.19	1.91							
	A20CM003	0.62	0.10	0.00	0.06	0.00	0.00	1.30	2.08							
	A20CM004	0.84	0.14	0.00	0.13	0.00	0.00	1.77	2.88							
	A20CM005	2.22	0.36	0.00	0.13	0.00	0.00	4.64	7.35							
	A20CM006	2.54	0.43	0.00	0.28	0.07	0.01	5.37	8.70							
	A20CM007	3.15	0.54	0.00	0.41	0.11	0.02	6.67	10.90							
	A20CM008	3.17	0.57	0.00	0.51	0.23	0.03	6.77	11.28							
	A20CM009	1.90	0.31	0.00	0.30	0.00	0.00	3.97	6.48							
	A20GD001	0.15	0.02	0.00	0.06	0.00	0.00	0.31	0.54							
	A20GD002	0.35	0.06	0.00	0.11	0.00	0.00	0.74	1.26							
	A20GD003	0.37	0.06	0.00	0.11	0.00	0.00	0.78	1.32							
	A20GD004	0.18	0.03	0.00	0.06	0.00	0.00	0.38	0.65							
	A20GD005	0.20	0.03	0.00	0.06	0.00	0.00	0.42	0.71							
	A20GD006	0.68	0.11	0.00	0.13	0.00	0.00	1.42	2.34							
	A20WC001	0.21	0.03	0.00	0.11	0.00	0.00	0.44	0.79							
	A20WC002	0.28	0.05	0.06	0.17	0.00	0.00	0.58	1.14							
	A20WC003	0.69	0.11	0.33	0.10	0.00	0.00	1.44	2.67							
	A20WC004	0.70	0.11	0.33	0.10	0.00	0.00	1.47	2.71							
A25	A25RS001	3.02	0.88	4.09	1.31	0.00	0.00	3.44	12.74							
	A25RS002	3.20	0.93	0.00	1.50	0.00	0.00	3.65	9.28							
	A25RS003	3.11	0.91	4.09	1.31	0.00	0.00	3.55	12.97							
	A25RS004	3.31	0.97	0.00	1.60	0.00	0.00	3.78	9.66							
	A25RS005	3.39	0.99	4.09	1.31	0.00	0.00	3.87	13.65							
	A25RS006	3.58	1.04	0.00	1.70	0.00	0.00	4.08	10.40							
	A25RS007	3.68	1.07	4.09	1.31	0.00	0.00	4.20	14.35							
	A25RS008	4.13	1.20	0.00	1.80	0.00	0.00	4.71	11.84							
A30	A30BG001	10.83	3.92	2.30	0.64	0.45	0.07	14.60	32.81							
	A30BG002	12.28	4.50	3.10	0.87	0.94	0.14	16.59	38.42							
	A30BG003	13.72	5.11	4.19	1.17	1.51	0.23	18.61	44.54							
	A30BG004	12.84	4.56	3.10	0.87	0.00	0.00	17.24	38.61							
	A30BG005	15.34	5.45	3.10	0.87	0.00	0.00	20.60	45.36							
	A30BG006	17.49	6.22	4.19	1.17	0.00	0.00	23.48	52.55							

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS						SEVERE CONDITIONS						
		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RPR	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR
A30	A30BK001	4.31	1.56	0.68	0.19	0.21	0.03	5.81	12.79					
	A30BK002	6.75	2.43	1.30	0.36	0.21	0.03	9.08	20.16					
	A30BK003	10.29	3.79	2.13	0.60	0.85	0.13	13.92	31.71					
	A30BK004	11.15	4.09	2.57	0.72	0.85	0.13	15.07	34.58					
	A30BK005	13.76	5.06	3.16	0.88	1.14	0.17	18.61	42.78					
	A30BK006	17.06	6.29	4.37	1.22	1.57	0.24	23.09	53.84					
	A30BK007	13.42	4.77	3.04	0.85	0.00	0.00	18.02	40.10					
	A30BK008	15.89	5.65	3.54	0.99	0.00	0.00	21.34	47.41					
	A30CA001	3.11	1.11	1.03	0.29	0.00	0.00	4.18	9.72					
	A30CA002	11.72	4.30	3.01	0.84	0.88	0.13	15.84	36.72					
	A30CA003	14.29	5.26	4.28	1.20	1.25	0.19	19.33	45.80					
	A30LA001	1.58	0.58	1.14	0.87	0.11	0.02	1.70	6.00					
	A30LA002	2.14	0.78	1.14	0.87	0.11	0.02	2.30	7.36					
A35	A35AE001	0.39	0.09	0.00	1.00	0.02	0.00	0.42	1.92					
	A35AE002	0.43	0.10	0.00	1.25	0.02	0.00	0.46	2.26					
	A35AE003	0.55	0.13	0.00	1.35	0.03	0.00	0.60	2.66					
	A35AE004	0.71	0.16	0.00	1.55	0.03	0.00	0.76	3.21					
	A35AE005	0.82	0.20	0.00	2.00	0.08	0.01	0.89	4.00					
	A35RS001	0.55	0.13	0.00	1.20	0.02	0.00	0.60	2.50					
A40	A35RS002	0.67	0.16	0.00	1.50	0.02	0.00	0.73	3.08					
	A40CA001	5.55	2.04	2.27	0.64	0.42	0.06	7.50	18.48					
	A40CA002	9.47	3.43	2.66	0.74	0.42	0.06	12.76	29.54					
	A40CA003	20.15	7.16	7.97	2.23	0.00	0.00	27.05	64.56					
	A40CA004	25.59	9.10	13.28	3.72	0.00	0.00	34.36	86.05					
	A40CA005	35.44	12.60	22.14	6.20	0.00	0.00	47.58	123.96					
	A40CA006	45.06	16.02	22.14	6.20	0.00	0.00	60.50	149.92					
	A40IN001	7.74	2.78	3.60	1.01	0.20	0.03	10.42	25.78					
	A40IN002	8.12	2.92	3.60	1.01	0.20	0.03	10.93	26.81					
	A40IN003	10.05	3.60	4.13	1.16	0.20	0.03	13.52	32.69					
	A40IN004	19.79	7.07	11.81	3.31	0.20	0.03	26.60	68.81					
	A40IN005	23.06	8.20	11.81	3.31	0.00	0.00	30.96	77.34					
	A40IN006	29.39	10.45	15.50	4.34	0.00	0.00	39.46	99.14					
A45	A45AE001	0.74	0.22	0.00	1.50	0.02	0.00	0.90	3.38					
	A45AE002	1.34	0.39	0.00	2.50	0.02	0.00	1.62	5.87					
	A45AE003	1.58	0.46	0.00	3.00	0.02	0.00	1.91	6.97					
	A45SE001	0.96	0.28	1.47	1.47	0.04	0.01	1.16	5.39					
	A45SE002	1.31	0.39	1.63	1.77	0.04	0.01	1.59	6.74					
	A45SE003	1.84	0.56	2.45	2.78	0.16	0.02	2.25	10.06					

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS								
		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
A45	A45SE004	1.42	0.44	0.00	0.50	0.16	0.02	1.74	4.28								
B15	B15AB001	3.04	0.91	2.24	0.63	0.13	0.02	3.36	10.33								
	B15IG001	2.29	0.71	2.24	0.63	0.23	0.03	2.55	8.68								
	B15MB001	0.37	0.11	0.00	0.10	0.00	0.00	0.41	0.99								
	B15MB002	0.63	0.19	0.00	0.14	0.00	0.00	0.70	1.66								
	B15MB003	0.66	0.20	0.00	0.24	0.05	0.01	0.73	1.89								
	B15MB004	0.75	0.23	1.47	0.35	0.05	0.01	0.83	3.69								
	B15RS001	2.35	0.70	2.24	0.63	0.09	0.01	2.59	8.61								
	B15RS002	2.14	0.63	0.00	0.50	0.00	0.00	2.35	5.62								
	B15RS003	2.34	0.69	0.00	0.60	0.00	0.00	2.57	6.20								
	B15RS004	2.48	0.73	0.00	0.70	0.00	0.00	2.73	6.64								
B20	B20CI001	0.46	0.14	1.47	0.47	0.02	0.00	0.57	3.13								
	B20CI002	0.91	0.27	2.45	0.78	0.02	0.00	1.13	5.56								
	B20CI003	1.14	0.34	4.90	1.57	0.03	0.00	1.41	9.39								
	B20CI004	1.30	0.39	2.24	0.63	0.03	0.00	1.61	6.20								
	B20CI005	0.87	0.26	3.02	0.97	0.03	0.00	1.08	6.23								
	B20CI006	1.33	0.40	2.24	0.63	0.03	0.00	1.65	6.28								
	B20CI007	1.37	0.41	2.24	0.63	0.04	0.01	1.71	6.41								
	B20VE001	1.36	0.40	8.09	2.59	0.03	0.00	1.69	14.16								
	B20VE002	1.87	0.56	7.85	2.51	0.05	0.01	2.32	15.17								
B25	B25ES001	0.99	0.32	0.00	0.00	0.00	0.00	0.92	2.23	1.24	0.33	0.00	0.00	0.00	0.00	1.32	2.89
	B25ES002	1.06	0.35	0.00	0.00	0.00	0.00	0.98	2.39	1.32	0.35	0.00	0.00	0.00	0.00	1.40	3.07
	B25ES003	1.16	0.38	0.00	0.00	0.00	0.00	1.08	2.62	1.45	0.39	0.00	0.00	0.00	0.00	1.54	3.38
	B25ES004	1.25	0.41	0.00	0.00	0.00	0.00	1.16	2.82	1.56	0.42	0.00	0.00	0.00	0.00	1.65	3.63
	B25ES005	1.34	0.44	0.00	0.00	0.00	0.00	1.24	3.02	1.67	0.45	0.00	0.00	0.00	0.00	1.77	3.89
	B25ES006	1.79	0.58	0.00	0.00	0.00	0.00	1.66	4.03	2.24	0.60	0.00	0.00	0.00	0.00	2.37	5.21
	B25ES007	1.97	0.64	0.00	0.00	0.00	0.00	1.83	4.44	2.46	0.66	0.00	0.00	0.00	0.00	2.61	5.73
	B25ES008	2.08	0.68	0.00	0.00	0.00	0.00	1.93	4.69	2.60	0.70	0.00	0.00	0.00	0.00	2.75	6.05
	B25ES009	2.71	0.88	0.00	0.00	0.00	0.00	2.51	6.10	3.39	0.91	0.00	0.00	0.00	0.00	3.58	7.88
	B25ES010	2.87	0.94	0.00	0.00	0.00	0.00	2.66	6.47	3.59	0.96	0.00	0.00	0.00	0.00	3.80	8.35
	B25ES011	3.10	1.01	0.00	0.00	0.00	0.00	2.88	6.99	3.88	1.04	0.00	0.00	0.00	0.00	4.11	9.03
	B25ES012	3.42	1.11	0.00	0.00	0.00	0.00	3.17	7.70	4.27	1.14	0.00	0.00	0.00	0.00	4.52	9.93
	B25ES013	3.70	1.21	0.00	0.00	0.00	0.00	3.43	8.34	4.62	1.24	0.00	0.00	0.00	0.00	4.89	10.75
	B25ES014	3.93	1.28	0.00	0.00	0.00	0.00	3.64	8.85	4.91	1.31	0.00	0.00	0.00	0.00	5.20	11.42
	B25ES015	4.33	1.41	0.00	0.00	0.00	0.00	4.01	9.75	5.41	1.45	0.00	0.00	0.00	0.00	5.73	12.59
	B25ES016	4.50	1.47	0.00	0.00	0.00	0.00	4.17	10.14	5.62	1.50	0.00	0.00	0.00	0.00	5.95	13.07
	B25ES017	4.73	1.55	0.00	0.00	0.00	0.00	4.39	10.67	5.92	1.58	0.00	0.00	0.00	0.00	6.27	13.77
	B25ES018	4.97	1.62	0.00	0.00	0.00	0.00	4.60	11.19	6.21	1.66	0.00	0.00	0.00	0.00	6.57	14.44

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS							
		DEPR	CFC	FUEL	FOG	TIRE	TIRE	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE	TIRE	TOTAL RATE	
						WEAR	RPR						WEAR	RPR		
B25	B25ES019	5.15	1.68	0.00	0.00	0.00	4.78	11.61	6.44	1.72	0.00	0.00	0.00	0.00	6.82	14.98
	B25ES020	1.03	0.33	0.00	0.00	0.00	0.95	2.31	1.28	0.34	0.00	0.00	0.00	0.00	1.36	2.98
	B25ES021	1.10	0.36	0.00	0.00	0.00	1.02	2.48	1.37	0.37	0.00	0.00	0.00	0.00	1.45	3.19
	B25ES022	1.50	0.49	0.00	0.00	0.00	1.39	3.38	1.88	0.50	0.00	0.00	0.00	0.00	1.99	4.37
	B25ES023	1.52	0.50	0.00	0.00	0.00	1.41	3.43	1.90	0.51	0.00	0.00	0.00	0.00	2.01	4.42
	B25ES024	1.61	0.53	0.00	0.00	0.00	1.49	3.63	2.02	0.54	0.00	0.00	0.00	0.00	2.13	4.69
	B25ES025	2.20	0.72	0.00	0.00	0.00	2.04	4.96	2.75	0.74	0.00	0.00	0.00	0.00	2.91	6.40
	B25ES026	2.30	0.75	0.00	0.00	0.00	2.13	5.18	2.87	0.77	0.00	0.00	0.00	0.00	3.04	6.68
	B25ES027	2.38	0.78	0.00	0.00	0.00	2.20	5.36	2.97	0.79	0.00	0.00	0.00	0.00	3.15	6.91
	B25ES028	3.02	0.99	0.00	0.00	0.00	2.80	6.81	3.78	1.01	0.00	0.00	0.00	0.00	4.00	8.79
	B25ES029	3.31	1.08	0.00	0.00	0.00	3.06	7.45	4.13	1.11	0.00	0.00	0.00	0.00	4.37	9.61
	B25ES030	3.81	1.24	0.00	0.00	0.00	3.53	8.58	4.76	1.27	0.00	0.00	0.00	0.00	5.04	11.07
	B25ES031	4.05	1.32	0.00	0.00	0.00	3.75	9.12	5.06	1.35	0.00	0.00	0.00	0.00	5.36	11.77
	B25ES032	4.35	1.42	0.00	0.00	0.00	4.03	9.80	5.44	1.45	0.00	0.00	0.00	0.00	5.76	12.65
	B25ES033	4.76	1.55	0.00	0.00	0.00	4.42	10.73	5.95	1.59	0.00	0.00	0.00	0.00	6.30	13.84
	B25ES034	5.02	1.64	0.00	0.00	0.00	4.66	11.32	6.28	1.68	0.00	0.00	0.00	0.00	6.65	14.61
	B25ES035	5.27	1.72	0.00	0.00	0.00	4.88	11.87	6.59	1.76	0.00	0.00	0.00	0.00	6.98	15.33
	B25ES036	5.55	1.81	0.00	0.00	0.00	5.14	12.50	6.94	1.86	0.00	0.00	0.00	0.00	7.34	16.14
	B25ES037	5.78	1.89	0.00	0.00	0.00	5.36	13.03	7.23	1.93	0.00	0.00	0.00	0.00	7.65	16.81
	B25ES038	6.01	1.96	0.00	0.00	0.00	5.57	13.54	7.52	2.01	0.00	0.00	0.00	0.00	7.96	17.49
	B25ES039	1.23	0.40	0.00	0.00	0.00	1.14	2.77	1.54	0.41	0.00	0.00	0.00	0.00	1.63	3.58
	B25ES040	1.70	0.56	0.00	0.00	0.00	1.58	3.84	2.13	0.57	0.00	0.00	0.00	0.00	2.25	4.95
	B25ES041	1.77	0.58	0.00	0.00	0.00	1.64	3.99	2.21	0.59	0.00	0.00	0.00	0.00	2.34	5.14
	B25ES042	1.91	0.62	0.00	0.00	0.00	1.77	4.30	2.38	0.64	0.00	0.00	0.00	0.00	2.52	5.54
	B25ES043	2.50	0.82	0.00	0.00	0.00	2.32	5.64	3.13	0.84	0.00	0.00	0.00	0.00	3.31	7.28
	B25ES044	2.71	0.88	0.00	0.00	0.00	2.51	6.10	3.39	0.91	0.00	0.00	0.00	0.00	3.59	7.89
	B25ES045	3.05	1.00	0.00	0.00	0.00	2.83	6.88	3.81	1.02	0.00	0.00	0.00	0.00	4.04	8.87
	B25ES046	3.42	1.12	0.00	0.00	0.00	3.17	7.71	4.28	1.14	0.00	0.00	0.00	0.00	4.53	9.95
	B25ES047	3.81	1.24	0.00	0.00	0.00	3.53	8.58	4.77	1.28	0.00	0.00	0.00	0.00	5.05	11.10
	B25ES048	4.20	1.37	0.00	0.00	0.00	3.89	9.46	5.25	1.41	0.00	0.00	0.00	0.00	5.56	12.22
	B25ES049	4.45	1.45	0.00	0.00	0.00	4.13	10.03	5.57	1.49	0.00	0.00	0.00	0.00	5.89	12.95
	B25ES050	4.63	1.51	0.00	0.00	0.00	4.29	10.43	5.79	1.55	0.00	0.00	0.00	0.00	6.13	13.47
	B25ES051	5.00	1.63	0.00	0.00	0.00	4.64	11.27	6.25	1.67	0.00	0.00	0.00	0.00	6.62	14.54
	B25ES052	5.30	1.73	0.00	0.00	0.00	4.91	11.94	6.62	1.77	0.00	0.00	0.00	0.00	7.01	15.40
	B25ES053	5.57	1.82	0.00	0.00	0.00	5.16	12.55	6.96	1.86	0.00	0.00	0.00	0.00	7.37	16.19
	B25ES054	5.92	1.93	0.00	0.00	0.00	5.49	13.34	7.41	1.98	0.00	0.00	0.00	0.00	7.84	17.23
	B25ES055	6.14	2.00	0.00	0.00	0.00	5.69	13.83	7.67	2.05	0.00	0.00	0.00	0.00	8.12	17.84
	B25ES056	6.40	2.09	0.00	0.00	0.00	5.93	14.42	8.00	2.14	0.00	0.00	0.00	0.00	8.47	18.61
B30	B30GB001	0.14	0.05	0.00	0.00	0.00	0.14	0.33								
	B30GB002	0.19	0.07	0.00	0.00	0.00	0.19	0.45								

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS							
		DEPR	CFC	FUEL	FOG	TIRE WEAR	RPR	RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	RPR	TOTAL RATE
B30	B30GB003	0.23	0.08	0.00	0.00	0.00	0.00	0.23	0.54							
	B30GB004	0.33	0.12	0.00	0.00	0.00	0.00	0.33	0.78							
	B30GB005	0.41	0.15	0.00	0.00	0.00	0.00	0.41	0.97							
	B30GB006	0.69	0.25	0.00	0.00	0.00	0.00	0.73	1.67							
	B30GB007	0.78	0.28	0.00	0.00	0.00	0.00	0.83	1.89							
	B30GB008	0.89	0.32	0.00	0.00	0.00	0.00	0.95	2.16							
	B30GB009	1.00	0.36	0.00	0.00	0.00	0.00	1.06	2.42							
	B30GB010	1.19	0.43	0.00	0.00	0.00	0.00	1.26	2.88							
	B30CR001	0.23	0.08	0.00	0.00	0.00	0.00	0.26	0.57							
	B30CR002	0.24	0.09	0.00	0.00	0.00	0.00	0.27	0.60							
	B30CR003	0.27	0.10	0.00	0.00	0.00	0.00	0.30	0.67							
	B30CR004	0.28	0.10	0.00	0.00	0.00	0.00	0.31	0.69							
	B30CR005	0.33	0.12	0.00	0.00	0.00	0.00	0.37	0.82							
	B30CR006	0.38	0.14	0.00	0.00	0.00	0.00	0.44	0.96							
	B30CR007	0.48	0.17	0.00	0.00	0.00	0.00	0.55	1.20							
	B30CR008	0.56	0.20	0.00	0.00	0.00	0.00	0.64	1.40							
	B30GB011	0.61	0.22	0.00	0.00	0.00	0.00	0.69	1.52							
	B30GB012	0.63	0.23	0.00	0.00	0.00	0.00	0.71	1.57							
	B30GB013	0.65	0.24	0.00	0.00	0.00	0.00	0.74	1.63							
	B30GB014	0.87	0.32	0.00	0.00	0.00	0.00	0.99	2.18							
	B30GB015	0.90	0.33	0.00	0.00	0.00	0.00	1.02	2.25							
	B30GB016	1.31	0.47	0.00	0.00	0.00	0.00	1.48	3.26							
	B30GB017	1.57	0.57	0.00	0.00	0.00	0.00	1.77	3.91							
B35	B35HE001	0.44	0.12	0.00	0.00	0.00	0.41	0.97		0.54	0.12	0.00	0.00	0.00	0.58	1.24
	B35HE002	0.53	0.14	0.00	0.00	0.00	0.49	1.16		0.65	0.14	0.00	0.00	0.00	0.68	1.47
	B35HE003	0.64	0.17	0.00	0.00	0.00	0.60	1.41		0.79	0.18	0.00	0.00	0.00	0.84	1.81
	B35HE004	0.76	0.20	0.00	0.00	0.00	0.71	1.67		0.94	0.21	0.00	0.00	0.00	0.99	2.14
	B35HE005	0.90	0.24	0.00	0.00	0.00	0.83	1.97		1.10	0.25	0.00	0.00	0.00	1.17	2.52
	B35HE006	1.10	0.30	0.00	0.00	0.00	1.02	2.42		1.36	0.30	0.00	0.00	0.00	1.44	3.10
	B35HE007	1.22	0.33	0.00	0.00	0.00	1.13	2.68		1.50	0.34	0.00	0.00	0.00	1.59	3.43
	B35HE008	1.49	0.40	0.00	0.00	0.00	1.38	3.27		1.83	0.41	0.00	0.00	0.00	1.94	4.18
	B35HE009	1.55	0.41	0.00	0.00	0.00	1.44	3.40		1.91	0.43	0.00	0.00	0.00	2.02	4.36
	B35HE010	1.91	0.51	0.00	0.00	0.00	1.77	4.19		2.35	0.53	0.00	0.00	0.00	2.49	5.37
	B35HE011	2.07	0.55	0.00	0.00	0.00	1.92	4.54		2.55	0.57	0.00	0.00	0.00	2.70	5.82
	B35HE012	2.21	0.59	0.00	0.00	0.00	2.04	4.84		2.71	0.61	0.00	0.00	0.00	2.87	6.19
	B35HE013	2.51	0.67	0.00	0.00	0.00	2.33	5.51		3.09	0.69	0.00	0.00	0.00	3.27	7.05
	B35HE014	2.90	0.78	0.00	0.00	0.00	2.69	6.37		3.57	0.80	0.00	0.00	0.00	3.78	8.15
	B35HE015	3.15	0.84	0.00	0.00	0.00	2.92	6.91		3.88	0.87	0.00	0.00	0.00	4.11	8.86
	B35HE016	3.87	1.04	0.00	0.00	0.00	3.59	8.50		4.76	1.07	0.00	0.00	0.00	5.04	10.87
	B35HE017	4.45	1.19	0.00	0.00	0.00	4.12	9.76		5.47	1.23	0.00	0.00	0.00	5.80	12.50

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS							
		TIRE			TIRE			TOTAL RATE	TIRE			TIRE			TOTAL RATE	
		DEPR	CFC	FUEL	FOG	WEAR	RPR		DEPR	CFC	FUEL	FOG	WEAR	RPR		
B35	B35SA001	1.10	0.29	0.00	0.00	0.00	0.00	1.02	2.41	1.35	0.30	0.00	0.00	0.00	1.43	3.08
	B35SA002	1.32	0.35	0.00	0.00	0.00	0.00	1.22	2.89	1.63	0.36	0.00	0.00	0.00	1.72	3.71
	B35SA003	1.65	0.44	0.00	0.00	0.00	0.00	1.53	3.62	2.03	0.45	0.00	0.00	0.00	2.15	4.63
	B35SA004	2.44	0.65	0.00	0.00	0.00	0.00	2.27	5.36	3.01	0.67	0.00	0.00	0.00	3.18	6.86
	B35SA005	2.97	0.79	0.00	0.00	0.00	0.00	2.75	6.51	3.65	0.82	0.00	0.00	0.00	3.86	8.33
	B35SA006	3.55	0.95	0.00	0.00	0.00	0.00	3.29	7.79	4.37	0.98	0.00	0.00	0.00	4.62	9.97
	B35SA007	3.89	1.04	0.00	0.00	0.00	0.00	3.61	8.54	4.79	1.07	0.00	0.00	0.00	5.07	10.93
	B35SA008	4.71	1.26	0.00	0.00	0.00	0.00	4.37	10.34	5.80	1.30	0.00	0.00	0.00	6.14	13.24
	B35SA009	5.58	1.49	0.00	0.00	0.00	0.00	5.17	12.24	6.87	1.54	0.00	0.00	0.00	7.27	15.68
	B35SA010	6.88	1.84	0.00	0.00	0.00	0.00	6.37	15.09	8.46	1.90	0.00	0.00	0.00	8.96	19.32
	B35HE018	0.43	0.13	0.00	0.00	0.00	0.00	0.40	0.96	0.55	0.13	0.00	0.00	0.00	0.59	1.27
	B35HE019	0.53	0.16	0.00	0.00	0.00	0.00	0.49	1.18	0.68	0.16	0.00	0.00	0.00	0.72	1.56
	B35HE020	0.65	0.19	0.00	0.00	0.00	0.00	0.61	1.45	0.84	0.20	0.00	0.00	0.00	0.89	1.93
	B35HE021	0.78	0.23	0.00	0.00	0.00	0.00	0.72	1.73	1.00	0.24	0.00	0.00	0.00	1.06	2.30
	B35HE022	0.90	0.27	0.00	0.00	0.00	0.00	0.83	2.00	1.16	0.28	0.00	0.00	0.00	1.23	2.67
	B35HE023	1.08	0.32	0.00	0.00	0.00	0.00	1.00	2.40	1.38	0.33	0.00	0.00	0.00	1.46	3.17
	B35HE024	1.19	0.35	0.00	0.00	0.00	0.00	1.10	2.64	1.53	0.36	0.00	0.00	0.00	1.62	3.51
	B35HE025	1.43	0.42	0.00	0.00	0.00	0.00	1.33	3.18	1.84	0.44	0.00	0.00	0.00	1.95	4.23
	B35HE026	1.53	0.45	0.00	0.00	0.00	0.00	1.42	3.40	1.96	0.47	0.00	0.00	0.00	2.08	4.51
	B35HE027	1.96	0.58	0.00	0.00	0.00	0.00	1.82	4.36	2.52	0.60	0.00	0.00	0.00	2.67	5.79
	B35HE028	2.02	0.60	0.00	0.00	0.00	0.00	1.88	4.50	2.60	0.62	0.00	0.00	0.00	2.76	5.98
	B35HE029	2.31	0.69	0.00	0.00	0.00	0.00	2.14	5.14	2.97	0.71	0.00	0.00	0.00	3.15	6.83
	B35HE030	2.55	0.76	0.00	0.00	0.00	0.00	2.36	5.67	3.27	0.78	0.00	0.00	0.00	3.46	7.51
	B35HE031	3.05	0.91	0.00	0.00	0.00	0.00	2.83	6.79	3.92	0.93	0.00	0.00	0.00	4.15	9.00
	B35HE032	3.25	0.96	0.00	0.00	0.00	0.00	3.01	7.22	4.18	0.99	0.00	0.00	0.00	4.42	9.59
	B35HE033	4.14	1.23	0.00	0.00	0.00	0.00	3.84	9.21	5.32	1.27	0.00	0.00	0.00	5.63	12.22
	B35HE034	4.80	1.43	0.00	0.00	0.00	0.00	4.45	10.68	6.17	1.47	0.00	0.00	0.00	6.54	14.18
	B35HE035	1.55	0.50	0.00	0.00	0.00	0.00	1.43	3.48	1.93	0.52	0.00	0.00	0.00	2.05	4.50
	B35HE036	1.61	0.53	0.00	0.00	0.00	0.00	1.49	3.63	2.01	0.54	0.00	0.00	0.00	2.13	4.68
	B35HE037	1.80	0.59	0.00	0.00	0.00	0.00	1.67	4.06	2.25	0.60	0.00	0.00	0.00	2.38	5.23
	B35HE038	2.41	0.79	0.00	0.00	0.00	0.00	2.23	5.43	3.01	0.81	0.00	0.00	0.00	3.19	7.01
	B35HE039	2.70	0.88	0.00	0.00	0.00	0.00	2.50	6.08	3.37	0.90	0.00	0.00	0.00	3.57	7.84
	B35HE040	2.78	0.91	0.00	0.00	0.00	0.00	2.58	6.27	3.48	0.93	0.00	0.00	0.00	3.68	8.09
	B35HE041	2.98	0.97	0.00	0.00	0.00	0.00	2.76	6.71	3.73	1.00	0.00	0.00	0.00	3.94	8.67
	B35HE042	3.97	1.29	0.00	0.00	0.00	0.00	3.68	8.94	4.96	1.33	0.00	0.00	0.00	5.25	11.54
	B35HE043	3.90	1.27	0.00	0.00	0.00	0.00	3.61	8.78	4.87	1.30	0.00	0.00	0.00	5.16	11.33
	B35HE044	4.96	1.62	0.00	0.00	0.00	0.00	4.60	11.18	6.20	1.66	0.00	0.00	0.00	6.57	14.43
	B35HE045	5.11	1.67	0.00	0.00	0.00	0.00	4.74	11.52	6.39	1.71	0.00	0.00	0.00	6.76	14.86
	B35HE046	6.08	1.98	0.00	0.00	0.00	0.00	5.63	13.69	7.60	2.03	0.00	0.00	0.00	8.04	17.67
C05	B35HE047	6.43	2.10	0.00	0.00	0.00	0.00	5.96	14.49	8.04	2.15	0.00	0.00	0.00	8.51	18.70

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS							
		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR
C05	C05H0001	0.15	0.02	0.34	0.61	0.00	0.00	0.48	1.60							
C10	C10B0001	0.38	0.07	0.34	0.08	0.00	0.00	0.63	1.50							
	C10B0002	0.45	0.09	0.34	0.08	0.00	0.00	0.75	1.71							
	C10B0003	0.22	0.04	0.45	0.11	0.00	0.00	0.36	1.18							
	C10B0004	0.27	0.05	0.45	0.11	0.00	0.00	0.45	1.33							
	C10B0005	0.61	0.12	0.16	0.04	0.00	0.00	1.00	1.93							
	C10B0006	0.86	0.17	0.57	0.14	0.00	0.00	1.42	3.16							
	C10B0007	1.03	0.20	0.21	0.05	0.00	0.00	1.70	3.19							
	C10B0008	1.55	0.30	0.29	0.07	0.00	0.00	2.57	4.78							
	C10B0009	1.43	0.28	0.21	0.05	0.00	0.00	2.36	4.33							
	C10B0010	1.84	0.36	0.16	0.04	0.00	0.00	3.04	5.44							
	C10B0011	2.30	0.45	0.33	0.08	0.00	0.00	3.80	6.96							
	C10B0012	2.90	0.57	0.53	0.13	0.00	0.00	4.79	8.92							
	C10H0001	0.37	0.07	0.45	0.11	0.00	0.00	0.60	1.60							
	C10H0002	0.41	0.08	0.45	0.11	0.00	0.00	0.68	1.73							
	C10H0003	0.37	0.07	0.57	0.14	0.00	0.00	0.61	1.76							
	C10WC001	0.33	0.06	0.45	0.11	0.00	0.00	0.54	1.49							
	C10WC002	0.43	0.08	0.45	0.11	0.00	0.00	0.70	1.77							
	C10WC003	0.56	0.11	0.45	0.11	0.00	0.00	0.93	2.16							
	C10WC004	0.66	0.13	0.45	0.11	0.00	0.00	1.10	2.45							
	C10WC005	0.24	0.05	0.45	0.11	0.00	0.00	0.40	1.25							
	C10WC006	0.43	0.08	0.79	0.19	0.00	0.00	0.71	2.20							
	C10WC007	1.20	0.23	0.79	0.19	0.00	0.00	1.98	4.39							
	C10WC008	1.86	0.36	0.25	0.06	0.00	0.00	3.07	5.60							
	C10WC009	3.53	0.69	0.57	0.14	0.00	0.00	5.84	10.77							
	C10WC010	1.53	0.30	1.25	0.30	0.00	0.00	2.52	5.90							
	C10WC011	2.20	0.43	0.33	0.08	0.00	0.00	3.63	6.67							
	C10WC012	2.50	0.49	0.33	0.08	0.00	0.00	4.13	7.53							
	C10WC013	5.03	0.98	0.49	0.12	0.00	0.00	8.30	14.92							
C15	C15BL001	0.90	0.21	0.00	0.50	0.00	0.00	1.12	2.73							
	C15BL002	1.74	0.40	0.00	0.70	0.00	0.00	2.16	5.00							
	C15BL003	3.53	0.81	0.00	1.50	0.00	0.00	4.37	10.21							
	C15BL004	4.98	1.14	0.00	1.75	0.00	0.00	6.17	14.04							
	C15BL005	6.43	1.47	0.00	2.00	0.00	0.00	7.96	17.86							
C20	C20AE001	0.37	0.07	0.44	0.14	0.00	0.00	0.36	1.38							
	C20MU001	0.86	0.18	0.70	0.22	0.08	0.01	0.85	2.90							
	C20MU002	1.08	0.23	0.97	0.31	0.08	0.01	1.06	3.74							
C25																

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS							
		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR
C25	C25ST001	0.26	0.05	0.70	0.22	0.00	0.00	0.29	1.52							
	C25ST002	0.28	0.06	0.70	0.22	0.00	0.00	0.31	1.57							
	C25WC001	0.25	0.05	0.44	0.14	0.00	0.00	0.27	1.15							
	C25WC002	0.33	0.06	0.70	0.22	0.00	0.00	0.36	1.67							
C35	C35AL001	1.90	0.46	1.14	0.37	0.08	0.01	2.21	6.17							
	C35AL002	2.22	0.55	1.90	0.61	0.16	0.02	2.59	8.05							
	C35AL003	1.14	0.28	0.00	0.19	0.08	0.01	1.33	3.03							
	C35AL004	2.43	0.58	0.00	0.31	0.04	0.01	2.82	6.19							
	C35AL005	2.62	0.63	0.62	0.17	0.04	0.01	3.04	7.13							
	C35AL006	2.94	0.70	0.62	0.17	0.04	0.01	3.42	7.90							
	C35AL007	1.48	0.35	0.00	0.25	0.00	0.00	1.71	3.79							
	C35AL008	1.60	0.38	0.00	0.30	0.00	0.00	1.85	4.13							
	C35AL009	1.76	0.42	0.00	0.40	0.00	0.00	2.04	4.62							
	C35AL010	4.28	1.02	1.38	0.39	0.03	0.00	4.96	12.06							
	C35AL011	4.85	1.15	2.31	0.65	0.03	0.00	5.62	14.61							
C40	C40ST001	0.24	0.05	0.03	0.22	0.00	0.00	0.27	0.81							
	C40ST002	0.26	0.05	0.44	0.14	0.00	0.00	0.29	1.18							
	C40ST003	0.37	0.07	0.03	0.27	0.00	0.00	0.41	1.15							
	C40ST004	0.42	0.08	0.70	0.22	0.00	0.00	0.46	1.88							
	C40ST005	0.47	0.09	0.06	0.33	0.00	0.00	0.52	1.47							
	C40ST006	0.49	0.09	0.70	0.22	0.00	0.00	0.53	2.03							
C45	C45CA001	12.63	4.49	4.89	1.37	0.00	0.00	16.96	40.34							
	C45CA002	20.57	7.31	7.16	2.01	0.00	0.00	27.61	64.66							
	C45CA003	35.01	12.45	8.61	2.41	0.00	0.00	47.00	105.48							
	C45CA004	41.45	14.74	13.78	3.86	0.00	0.00	55.65	129.48							
	C45GO001	2.71	0.97	4.28	1.37	0.04	0.01	3.64	13.02							
	C45GO002	4.74	1.68	4.28	1.37	0.00	0.00	6.36	18.43							
	C45GO003	9.84	3.50	3.69	1.03	0.00	0.00	13.21	31.27							
	C45GO004	13.36	4.75	6.37	1.78	0.00	0.00	17.94	44.20							
	C45GO005	18.02	6.41	9.13	2.56	0.00	0.00	24.20	60.32							
	C45GO006	28.58	10.16	8.06	2.26	0.00	0.00	38.37	87.43							
	C45GO007	33.40	11.87	8.06	2.26	0.00	0.00	44.85	100.44							
	C45GO008	41.92	14.90	15.64	4.38	0.00	0.00	56.28	133.12							
	C45GO009	47.63	16.93	15.64	4.38	0.00	0.00	63.96	148.54							
C55	C55MO001	2.03	0.54	3.59	1.15	0.03	0.00	2.61	9.95							
	C55MO002	3.65	0.97	3.17	0.89	0.03	0.00	4.70	13.41							
	C55MO003	4.31	1.15	4.78	1.34	0.03	0.00	5.56	17.17							

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS							
		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RPR
C55	C55M0004	4.58	1.22	4.78	1.34	0.03	0.00	5.89	17.84							
	C55M0005	10.23	2.75	6.95	1.95	0.19	0.03	13.19	35.29							
	C55M0006	11.40	3.06	9.13	2.56	0.19	0.03	14.70	41.07							
	C55M0007	17.12	4.60	9.13	2.56	0.35	0.05	22.09	55.90							
	C55M0008	19.44	5.25	9.13	2.56	0.61	0.09	25.09	62.17							
	C55M0009	24.84	6.68	11.73	3.29	0.61	0.09	32.05	79.29							
	C55M0010	25.93	6.97	11.73	3.29	0.61	0.09	33.46	82.08							
	C55M0011	27.36	7.35	11.73	3.29	0.61	0.09	35.29	85.72							
	C55M0012	28.42	7.63	11.73	3.29	0.61	0.09	36.66	88.43							
	C55SC001	5.29	1.41	2.96	0.83	0.03	0.00	6.81	17.33							
	C55SC002	12.01	3.22	7.69	2.15	0.16	0.02	15.49	40.74							
	C55SC003	17.06	4.57	9.26	2.59	0.16	0.02	21.99	55.65							
	C55SC004	21.80	5.81	15.38	4.31	0.08	0.01	28.08	75.47							
	C55SC005	21.03	5.69	14.47	4.05	0.75	0.11	27.16	73.26							
	C55SC006	28.14	7.58	14.47	4.05	0.78	0.12	36.32	91.46							
	C55SC007	33.68	9.09	15.85	4.44	1.05	0.16	43.47	107.74							
	C55SC008	42.05	11.32	15.85	4.44	1.09	0.16	54.25	129.16							
	C55SC009	54.12	14.53	24.12	6.75	1.09	0.16	69.79	170.56							
C60	C60FE001	0.12	0.03	0.11	0.04	0.00	0.00	0.16	0.46							
	C60FE002	0.14	0.03	0.23	0.07	0.00	0.00	0.19	0.66							
	C60FE003	0.35	0.08	1.25	0.40	0.00	0.00	0.48	2.56							
	C60FE004	0.73	0.17	2.27	0.73	0.00	0.00	1.00	4.90							
	C60FE005	0.74	0.17	2.27	0.73	0.00	0.00	1.02	4.93							
	C60HO001	0.20	0.05	0.91	0.29	0.00	0.00	0.28	1.73							
	C60HO002	0.26	0.06	1.59	0.51	0.00	0.00	0.35	2.77							
	C60LY001	1.39	0.32	1.13	0.36	0.00	0.00	1.92	5.12							
	C60LY002	1.55	0.35	3.97	1.27	0.00	0.00	2.13	9.27							
	C60LY003	0.17	0.04	0.91	0.29	0.00	0.00	0.23	1.64							
	C60LY004	0.21	0.05	1.25	0.40	0.00	0.00	0.29	2.20							
	C60LY005	0.22	0.05	1.25	0.40	0.00	0.00	0.30	2.22							
	C60LY006	0.24	0.05	0.20	0.09	0.00	0.00	0.32	0.90							
	C60LY007	0.80	0.18	2.04	0.65	0.00	0.00	1.11	4.78							
	C60LY008	0.99	0.23	3.97	1.27	0.00	0.00	1.36	7.82							
	C60LY009	1.86	0.43	7.37	2.36	0.00	0.00	2.57	14.59							
C65	C65MS001	0.18	0.03	0.00	0.06	0.00	0.00	0.62	0.89							
	C65MS002	0.22	0.04	0.00	0.08	0.00	0.00	0.78	1.12							
	C65MS003	0.25	0.04	0.00	0.10	0.00	0.00	0.87	1.26							
	C65MS004	0.28	0.05	0.00	0.13	0.00	0.00	0.97	1.43							
	C65MS005	0.43	0.07	0.00	0.15	0.00	0.00	1.50	2.15							

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS						
		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RPR	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RPR
C65	C65WC001	0.26	0.04	0.03	0.14	0.00	0.00	0.90	1.37						
	C65WC002	0.27	0.04	0.06	0.17	0.00	0.00	0.95	1.49						
C75	C75BA001	15.77	7.28	6.78	2.04	2.11	0.32	16.96	51.26						
	C75BA002	17.91	8.36	6.78	2.04	3.12	0.47	19.30	57.98						
C75BD001	C75BD001	3.45	1.56	6.09	1.95	0.20	0.03	3.69	16.97						
	C75BD002	4.24	1.92	9.23	2.95	0.29	0.04	4.55	23.22						
C75BD003	C75BD003	5.36	2.46	9.23	2.95	0.60	0.09	5.76	26.45						
	C75GV001	9.20	4.24	3.62	1.08	1.20	0.18	9.89	29.41						
C75GV002	C75GV002	9.20	4.24	3.62	1.08	1.20	0.18	9.89	29.41						
	C75GV003	9.20	4.24	3.62	1.08	1.20	0.18	9.89	29.41						
C75GV004	C75GV004	9.28	4.23	4.31	1.29	0.85	0.13	9.96	30.05						
	C75GV005	9.28	4.23	4.31	1.29	0.85	0.13	9.96	30.05						
C75GV006	C75GV006	9.28	4.23	4.31	1.29	0.85	0.13	9.96	30.05						
	C75GV007	9.81	4.47	4.31	1.29	0.85	0.13	10.52	31.38						
C75GV008	C75GV008	11.00	5.16	4.31	1.29	2.11	0.32	11.86	36.05						
	C75GV009	11.00	5.16	4.31	1.29	2.11	0.32	11.86	36.05						
C75GV010	C75GV010	11.00	5.16	4.31	1.29	2.11	0.32	11.86	36.05						
	C75GV011	13.06	6.08	4.31	1.29	2.11	0.32	14.07	41.24						
C75GV012	C75GV012	18.22	8.41	6.10	1.83	1.75	0.26	19.59	56.16						
	C75GV013	19.39	8.88	6.82	2.05	2.11	0.32	20.82	60.39						
C75GV014	C75GV014	21.94	10.28	6.82	2.05	4.12	0.62	23.66	69.49						
	C75GV015	27.12	12.62	7.92	2.38	4.44	0.67	29.21	84.36						
C75GV016	C75GV016	33.98	16.49	9.64	2.89	7.67	1.15	36.87	108.69						
	C75GV017	68.98	32.18	17.63	5.29	11.87	1.78	74.32	212.05						
C75LO001	C75LO001	7.91	3.71	4.31	1.29	1.50	0.23	8.53	27.48						
	C75LO002	8.99	4.19	4.31	1.29	1.50	0.23	9.69	30.20						
C75LO003	C75LO003	9.43	4.38	4.31	1.29	1.50	0.23	10.15	31.29						
	C75LO004	9.85	4.57	4.31	1.29	1.50	0.23	10.60	32.35						
C75LO005	C75LO005	10.53	4.87	4.31	1.29	1.50	0.23	11.33	34.06						
	C75LO006	10.87	5.02	4.31	1.29	1.50	0.23	11.69	34.91						
C75LO007	C75LO007	12.67	5.88	6.20	1.86	1.96	0.29	13.64	42.50						
	C75PH001	10.11	4.65	4.48	1.34	1.20	0.18	10.86	32.82						
C75PH002	C75PH002	10.38	4.77	4.48	1.34	1.20	0.18	11.15	33.50						
	C75PH003	11.00	5.04	4.48	1.34	1.20	0.18	11.82	35.06						
C75PH004	C75PH004	11.05	5.07	4.48	1.34	1.20	0.18	11.87	35.19						
	C75PH005	11.48	5.27	4.48	1.34	1.28	0.19	12.34	36.38						
C75PH006	C75PH006	13.58	6.23	5.34	1.60	1.50	0.23	14.59	43.07						
	C75PH007	14.05	6.44	5.34	1.60	1.50	0.23	15.09	44.25						
C75PH008	C75PH008	18.87	8.66	6.96	2.09	2.11	0.32	20.27	59.28						
	C75PH009	19.16	8.96	6.96	2.09	3.43	0.51	20.65	61.76						

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS								
		DEPR	CPC	FUEL	FOG	TIRE WEAR	RPR	RPR	TOTAL RATE	DEPR	CPC	FUEL	FOG	TIRE WEAR	RPR	TOTAL RATE	
C75	C75PH010	19.89	9.28	6.96	2.09	3.43	0.51	21.43	63.59								
	C75PH011	25.45	11.88	8.09	2.43	4.44	0.67	27.42	80.38								
	C75TD001	10.93	5.04	5.27	1.58	1.43	0.21	11.75	36.21								
	C75TD002	12.19	5.60	5.27	1.58	1.43	0.21	13.10	39.38								
	C75TD003	14.50	6.63	6.54	1.96	1.50	0.23	15.57	46.93								
	C75TD004	22.45	10.25	6.54	1.96	2.11	0.32	24.10	67.73								
	C75TD005	24.49	11.41	6.54	1.96	4.12	0.62	26.38	75.52								
C80	C80GV001	12.66	5.71	5.17	1.86	0.59	0.09	10.18	36.26	14.78	5.79	6.74	2.43	0.72	0.11	12.86	43.43
	C80LI001	14.04	6.34	5.90	2.13	0.69	0.10	11.29	40.49	16.38	6.42	7.71	2.77	0.85	0.13	14.25	48.51
	C80LI002	13.49	6.09	6.05	2.18	0.67	0.10	10.85	39.43	15.73	6.17	7.90	2.84	0.83	0.12	13.70	47.29
	C80PH001	13.75	6.21	6.20	2.23	0.66	0.10	11.06	40.21	16.04	6.29	8.09	2.91	0.81	0.12	13.96	48.22
	C80GV002	11.41	5.83	5.17	1.34	0.59	0.09	10.70	35.13	13.05	5.88	6.74	1.75	0.72	0.11	13.11	41.36
	C80GV003	12.18	6.22	5.17	1.34	0.63	0.09	11.42	37.05	13.93	6.28	6.74	1.75	0.78	0.12	14.00	43.60
	C80GV004	13.31	6.79	4.81	1.25	0.65	0.10	12.48	39.39	15.21	6.86	6.28	1.63	0.80	0.12	15.29	46.19
	C80GV005	16.15	8.27	6.05	1.57	1.02	0.15	15.15	48.36	18.45	8.35	7.90	2.05	1.25	0.19	18.56	56.75
	C80GV006	18.67	9.54	6.05	1.57	1.02	0.15	17.51	54.51	21.34	9.64	7.90	2.05	1.25	0.19	21.45	63.82
	C80GV007	21.74	11.09	7.41	1.93	1.06	0.16	20.38	63.77	24.84	11.20	9.67	2.52	1.29	0.19	24.96	74.67
	C80LI003	13.18	6.73	6.20	1.61	0.69	0.10	12.36	40.87	15.07	6.80	8.09	2.10	0.85	0.13	15.14	48.18
	C80LI004	13.85	7.07	6.20	1.61	0.69	0.10	12.98	42.50	15.83	7.13	8.09	2.10	0.85	0.13	15.90	50.03
	C80LI005	16.31	8.36	7.08	1.84	1.02	0.15	15.30	50.06	18.64	8.44	9.25	2.40	1.25	0.19	18.74	58.91
	C80LI006	17.98	9.20	7.08	1.84	1.06	0.16	16.87	54.19	20.55	9.29	9.25	2.40	1.29	0.19	20.66	63.63
	C80LI007	18.75	9.60	7.08	1.84	1.12	0.17	17.59	56.15	21.43	9.70	9.25	2.40	1.36	0.20	21.55	65.89
	C80PH002	12.90	6.55	6.20	1.61	0.43	0.06	12.08	39.83	14.74	6.62	8.09	2.10	0.52	0.08	14.80	46.95
	C80PH003	13.26	6.73	6.20	1.61	0.43	0.06	12.42	40.71	15.16	6.80	8.09	2.10	0.52	0.08	15.22	47.97
	C80PH004	17.03	8.72	6.64	1.73	1.02	0.15	15.98	51.27	19.47	8.80	8.67	2.25	1.25	0.19	19.57	60.20
	C80PH005	18.09	9.25	6.64	1.73	1.02	0.15	16.97	53.85	20.68	9.34	8.67	2.25	1.25	0.19	20.79	63.17
	C80PH006	18.74	9.58	6.64	1.73	1.02	0.15	17.58	55.44	21.42	9.67	8.67	2.25	1.25	0.19	21.53	64.98
	C80PH007	21.63	11.03	9.89	2.57	1.02	0.15	20.28	66.57	24.72	11.14	12.91	3.36	1.25	0.19	24.84	78.41
	C80GV008	20.82	12.06	7.41	1.93	2.30	0.35	22.36	67.23	23.42	12.14	9.67	2.52	2.79	0.42	26.73	77.69
	C80GV009	24.43	14.04	8.32	2.16	2.06	0.31	26.20	77.52	27.48	14.13	10.53	2.74	2.53	0.38	31.33	89.12
	C80GV010	24.66	14.24	8.28	2.15	2.51	0.38	26.47	78.69	27.75	14.33	10.47	2.72	3.10	0.47	31.65	90.49
	C80GV011	34.01	21.66	7.42	1.93	3.76	0.56	41.10	110.44	37.79	21.81	9.33	2.43	4.65	0.70	48.17	124.88
	C80GV012	41.41	26.25	7.86	2.04	3.76	0.56	49.99	131.87	46.01	26.42	9.84	2.56	4.65	0.70	58.59	148.77
C85	C85NO001	21.03	8.11	4.36	1.40	0.00	0.00	22.47	57.37	25.24	8.25	5.61	1.79	0.00	0.00	30.36	71.25
	C85PH001	11.87	4.57	2.14	0.68	0.00	0.00	12.68	31.94	14.24	4.65	2.75	0.88	0.00	0.00	17.13	39.65
	C85AM001	13.65	6.06	2.14	0.73	0.00	0.00	15.50	38.08	15.92	6.14	2.75	0.93	0.00	0.00	20.21	45.95
	C85AM002	18.91	8.40	2.87	0.98	0.00	0.00	21.48	52.64	22.06	8.50	3.69	1.25	0.00	0.00	28.00	63.50
	C85NO002	18.24	8.10	4.36	1.48	0.00	0.00	20.72	52.90	21.28	8.20	5.61	1.91	0.00	0.00	27.01	64.01
	C85NO003	21.51	9.55	5.46	1.86	0.00	0.00	24.43	62.81	25.10	9.67	7.03	2.39	0.00	0.00	31.84	76.03

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS								SEVERE CONDITIONS							
		TIRE WEAR				TIRE RPR				TIRE WEAR				TIRE RPR			
		DEPR	CFC	FUEL	FOG	RPR	RPR	RPR	RPR	RPR	CFC	FUEL	FOG	RPR	RPR	RPR	RPR
C85	C85NO004	30.25	13.43	5.46	1.86	0.00	0.00	34.35	85.35	35.29	13.60	7.03	2.39	0.00	0.00	44.78	103.09
	C85PH002	22.42	9.96	2.98	1.01	0.00	0.00	25.46	61.83	26.16	10.08	3.84	1.30	0.00	0.00	33.19	74.57
	C85AM003	38.78	19.50	6.41	1.41	0.00	0.00	49.21	115.31	44.33	19.68	8.24	1.81	0.00	0.00	62.20	136.26
	C85MA001	29.42	14.79	6.59	1.45	0.00	0.00	37.33	89.58	33.62	14.93	8.47	1.86	0.00	0.00	47.18	106.06
	C85MA002	49.50	24.88	8.27	1.82	0.00	0.00	62.81	147.28	56.57	25.12	10.63	2.34	0.00	0.00	79.38	174.04
	C85NO005	31.19	15.68	5.46	1.20	0.00	0.00	39.58	93.11	35.65	15.83	7.03	1.55	0.00	0.00	50.03	110.09
	C85NO006	29.56	14.86	6.98	1.54	0.00	0.00	37.51	90.45	33.78	15.00	8.97	1.97	0.00	0.00	47.41	107.13
	C85PH003	31.87	16.02	4.32	0.95	0.00	0.00	40.44	93.60	36.42	16.18	5.55	1.22	0.00	0.00	51.12	110.49
	C85PH004	32.07	16.12	5.97	1.31	0.00	0.00	40.69	96.16	36.65	16.28	7.68	1.69	0.00	0.00	51.43	113.73
	C85PH005	42.47	21.35	5.97	1.31	0.00	0.00	53.89	124.99	48.54	21.55	7.68	1.69	0.00	0.00	68.11	147.57
	C85AM004	92.69	52.09	20.66	4.96	0.00	0.00	130.08	300.48	104.28	52.42	26.57	6.38	0.00	0.00	160.24	349.89
	C85AM005	93.07	52.30	20.66	4.96	0.00	0.00	130.61	301.60	104.70	52.63	26.57	6.38	0.00	0.00	160.89	351.17
	C85MA003	69.06	38.81	15.73	3.77	0.00	0.00	96.92	224.29	77.69	39.06	20.22	4.85	0.00	0.00	119.39	261.21
	C85NO007	35.20	19.78	10.47	2.51	0.00	0.00	49.40	117.36	39.60	19.91	13.46	3.23	0.00	0.00	60.86	137.06
	C85PH006	11.07	4.59	1.68	0.54	0.00	0.00	9.60	27.48	13.08	4.66	2.21	0.71	0.00	0.00	12.23	32.89
	C85AM006	13.18	6.24	1.68	0.34	0.00	0.00	13.21	34.65	15.20	6.31	2.21	0.44	0.00	0.00	16.24	40.40
	C85AM007	18.19	8.61	2.26	0.45	0.00	0.00	18.23	47.74	20.99	8.71	2.97	0.59	0.00	0.00	22.43	55.69
	C85LB001	12.24	5.79	1.80	0.36	0.00	0.00	12.27	32.46	14.12	5.86	2.38	0.48	0.00	0.00	15.09	37.93
	C85LB002	15.15	7.18	2.16	0.43	0.00	0.00	15.19	40.11	17.49	7.26	2.85	0.57	0.00	0.00	18.68	46.85
	C85LB003	15.82	7.49	2.16	0.43	0.00	0.00	15.86	41.76	18.26	7.58	2.85	0.57	0.00	0.00	19.51	48.77
	C85LB004	18.81	8.91	2.16	0.43	0.00	0.00	18.85	49.16	21.70	9.01	2.85	0.57	0.00	0.00	23.18	57.31
	C85NO008	15.41	7.30	3.43	0.69	0.00	0.00	15.44	42.27	17.78	7.38	4.52	0.90	0.00	0.00	18.99	49.57
	C85NO009	15.53	7.36	3.43	0.69	0.00	0.00	15.57	42.58	17.92	7.44	4.52	0.90	0.00	0.00	19.15	49.93
	C85NO010	19.98	9.46	4.29	0.86	0.00	0.00	20.03	54.62	23.05	9.57	5.66	1.13	0.00	0.00	24.63	64.04
	C85AM008	17.50	9.83	2.26	0.50	0.00	0.00	19.87	49.96	19.68	9.90	2.97	0.65	0.00	0.00	23.68	56.88
	C85AM009	19.93	11.20	2.26	0.50	0.00	0.00	22.64	56.53	22.42	11.27	2.97	0.65	0.00	0.00	26.97	64.28
	C85AM010	25.78	14.48	3.84	0.85	0.00	0.00	29.27	74.22	29.00	14.58	5.07	1.11	0.00	0.00	34.88	84.64
	C85AM011	36.48	20.50	5.03	1.11	0.00	0.00	41.43	104.55	41.04	20.63	6.63	1.46	0.00	0.00	49.37	119.13
	C85LB005	21.35	12.00	3.52	0.77	0.00	0.00	24.25	61.89	24.02	12.07	4.64	1.02	0.00	0.00	28.89	70.64
	C85LB006	25.16	14.14	4.51	0.99	0.00	0.00	28.57	73.37	28.30	14.23	5.95	1.31	0.00	0.00	34.04	83.83
	C85LB007	31.64	17.78	4.46	0.98	0.00	0.00	35.93	90.79	35.60	17.89	5.87	1.29	0.00	0.00	42.82	103.47
	C85MA004	28.74	16.15	5.18	1.14	0.00	0.00	32.64	83.85	32.33	16.25	6.82	1.50	0.00	0.00	38.89	95.79
	C85MA005	33.96	19.08	5.41	1.19	0.00	0.00	38.57	98.21	38.20	19.21	7.13	1.57	0.00	0.00	45.95	112.06
	C85NO011	23.16	13.01	4.29	0.94	0.00	0.00	26.30	67.70	26.06	13.10	5.66	1.25	0.00	0.00	31.34	77.41
	C85NO012	28.49	16.01	4.29	0.94	0.00	0.00	32.35	82.08	32.05	16.11	5.66	1.25	0.00	0.00	38.55	93.62
	C85NO013	25.91	14.56	5.48	1.21	0.00	0.00	29.43	76.59	29.15	14.65	7.23	1.59	0.00	0.00	35.07	87.69
	C85NO014	36.39	20.45	8.23	1.81	0.00	0.00	41.33	108.21	40.94	20.58	10.84	2.39	0.00	0.00	49.25	124.00
	C85PH007	18.79	10.56	2.35	0.52	0.00	0.00	21.34	53.56	21.14	10.63	3.09	0.68	0.00	0.00	25.43	60.97
	C85PH008	31.13	17.49	3.39	0.75	0.00	0.00	35.35	88.11	35.02	17.60	4.47	0.98	0.00	0.00	42.12	100.19
	C85PH009	30.91	17.37	4.69	1.03	0.00	0.00	35.10	89.10	34.77	17.48	6.18	1.36	0.00	0.00	41.83	101.62
	C85AM012	40.10	24.88	5.36	1.29	0.00	0.00	50.89	122.52	44.56	25.04	7.06	1.70	0.00	0.00	59.54	137.90

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS								
		DEPR	CFC	FUEL	FOG	TIRE WEAR	RPR	RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	RPR	TOTAL RATE	
C85	C85AM013	46.24	28.68	5.36	1.29	0.00	0.00	58.67	140.24	51.37	28.87	7.06	1.70	0.00	0.00	68.64	157.64
	C85AM014	69.16	42.90	9.36	2.25	0.00	0.00	87.76	211.43	76.85	43.18	12.34	2.96	0.00	0.00	102.68	238.01
	C85AM015	93.94	58.27	9.36	2.25	0.00	0.00	119.20	283.02	104.37	58.65	12.34	2.96	0.00	0.00	139.46	317.78
	C85LB008	105.64	65.53	10.82	2.60	0.00	0.00	134.05	318.64	117.38	65.96	14.27	3.42	0.00	0.00	156.83	357.86
	C85LB009	126.29	78.34	10.82	2.60	0.00	0.00	160.25	378.30	140.32	78.85	14.27	3.42	0.00	0.00	187.48	424.34
	C85MA006	42.52	26.38	6.49	1.56	0.00	0.00	53.96	130.91	47.25	26.55	8.56	2.05	0.00	0.00	63.13	147.54
	C85MA007	62.81	38.96	12.36	2.97	0.00	0.00	79.70	196.80	69.79	39.22	16.29	3.91	0.00	0.00	93.25	222.46
	C85PH010	37.58	23.31	4.69	1.13	0.00	0.00	47.68	114.39	41.75	23.46	6.18	1.48	0.00	0.00	55.79	128.66
	C85PH011	49.25	30.55	5.92	1.42	0.00	0.00	62.49	149.63	54.72	30.75	7.80	1.87	0.00	0.00	73.11	168.25
C90	C90LI001	18.63	9.53	4.08	1.06	1.10	0.17	17.48	52.05	21.29	9.62	5.10	1.33	1.35	0.20	21.41	60.30
	C90LI002	21.14	10.93	5.73	1.49	1.98	0.30	19.86	61.43	24.16	11.03	7.13	1.85	2.45	0.37	24.33	71.32
	C90AM001	22.89	13.16	5.63	1.47	1.98	0.30	24.56	69.99	25.76	13.25	7.10	1.85	2.45	0.37	29.36	80.14
	C90AM002	31.48	18.02	12.32	3.20	2.16	0.32	33.74	101.24	35.42	18.13	15.72	4.09	2.67	0.40	40.35	116.78
	C90LI003	30.11	17.30	7.35	1.91	2.51	0.38	32.29	91.85	33.87	17.41	9.25	2.41	3.10	0.47	38.61	105.12
	C90AM003	41.30	25.88	10.64	2.77	1.72	0.26	49.77	132.34	45.89	26.05	13.51	3.51	2.13	0.32	58.33	149.74
	C90AM004	55.26	35.14	11.42	2.97	5.74	0.86	66.75	178.14	61.40	35.37	14.42	3.75	7.10	1.07	78.24	201.35
	C90LI004	31.34	19.82	7.35	1.91	2.51	0.38	37.83	101.14	34.83	19.95	9.25	2.41	3.10	0.47	44.33	114.34
	C90LI005	48.20	30.46	12.70	3.30	3.77	0.57	58.16	157.16	53.55	30.66	16.11	4.19	4.65	0.70	68.17	178.03
	C90PH001	36.24	22.86	8.93	2.32	2.51	0.38	43.71	116.95	40.26	23.00	11.28	2.93	3.10	0.47	51.23	132.27
C95	C90PH002	78.40	49.25	14.26	3.71	4.13	0.62	94.51	244.88	87.11	49.57	18.12	4.71	5.10	0.77	110.77	276.15
	C95AP001	14.18	8.89	3.22	6.91	0.00	0.00	17.26	50.46								
	C95AP002	0.62	0.39	0.00	0.00	0.00	0.00	0.75	1.76								
	C95AP003	2.30	1.44	0.00	0.00	0.00	0.00	2.79	6.53								
	C95AP004	21.33	13.37	4.68	7.64	0.00	0.00	25.97	72.99								
	C95AP005	0.73	0.46	0.00	0.00	0.00	0.00	0.89	2.08								
	C95AP006	2.74	1.71	0.00	0.00	0.00	0.00	3.33	7.78								
	C95AP007	28.23	17.69	5.06	7.83	0.00	0.00	34.37	93.18								
	C95AP008	1.00	0.63	0.00	0.00	0.00	0.00	1.21	2.84								
	C95AP009	3.04	1.90	0.00	0.00	0.00	0.00	3.70	8.64								
	C95AP010	37.62	23.58	7.40	9.00	0.00	0.00	45.80	123.40								
	C95AP011	1.06	0.67	0.00	0.00	0.00	0.00	1.29	3.02								
	C95AP012	5.81	3.64	0.00	0.00	0.00	0.00	7.08	16.53								
	C95AP013	37.09	23.24	6.46	8.53	0.00	0.00	45.16	120.48								
	C95AP014	1.00	0.63	0.00	0.00	0.00	0.00	1.21	2.84								
	C95AP015	6.11	3.83	0.00	0.00	0.00	0.00	7.44	17.38								
D10	D10GD001	7.08	2.53	0.00	0.79	0.00	0.00	9.70	20.10								
	D10GD002	7.22	2.58	0.00	0.79	0.00	0.00	9.89	20.48								
	D10GD003	7.45	2.66	0.00	0.79	0.00	0.00	10.20	21.10								

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. 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
D10	D10GD004	7.71	2.76	0.00	0.84	0.00	0.00	10.56	21.87						
	D10GD005	7.85	2.81	0.00	0.84	0.00	0.00	10.76	22.26						
	D10GD006	8.07	2.89	0.00	0.84	0.00	0.00	11.06	22.86						
	D10GD007	13.69	4.89	5.61	1.57	0.00	0.00	18.75	44.51						
	D10GD008	19.51	6.97	8.23	2.30	0.00	0.00	26.72	63.73						
	D10IN001	13.29	4.75	7.93	2.22	0.00	0.00	18.20	46.39						
	D10IN002	8.34	2.98	0.00	0.84	0.00	0.00	11.42	23.58						
	D10IN003	7.36	2.63	0.00	0.79	0.00	0.00	10.08	20.86						
	D10SU001	2.89	1.03	0.00	0.49	0.00	0.00	3.96	8.37						
	D10SU002	8.31	2.97	0.00	0.80	0.00	0.00	11.38	23.46						
D15	D10SU003	8.75	3.13	0.00	0.80	0.00	0.00	11.98	24.66						
	D10SU004	11.76	4.20	0.00	0.90	0.00	0.00	16.10	32.96						
D20	D15BI001	0.65	0.23	1.01	0.32	0.00	0.00	0.80	3.01						
	D15BI002	1.00	0.36	1.62	0.52	0.00	0.00	1.24	4.74						
	D15BI003	1.20	0.43	1.14	0.32	0.00	0.00	1.48	4.57						
	D15BI004	2.43	0.87	1.66	0.46	0.00	0.00	2.99	8.41						
	D15BI005	3.23	1.15	2.40	0.67	0.00	0.00	3.98	11.43						
	D15BI006	5.08	1.82	3.32	0.93	0.00	0.00	6.27	17.42						
	D15BI007	6.67	2.39	4.06	1.14	0.00	0.00	8.23	22.49						
D25	D20AD001	0.23	0.07	0.04	0.22	0.00	0.00	0.26	0.82						
	D20AD002	0.28	0.08	0.07	0.28	0.00	0.00	0.33	1.04						
	D20AD003	0.45	0.13	0.11	0.35	0.00	0.00	0.52	1.56						
	D20AD004	1.03	0.30	0.40	1.17	0.00	0.00	1.19	4.09						
	D20LY001	0.43	0.13	0.11	0.55	0.00	0.00	0.50	1.72						
	D20LY002	0.46	0.14	0.00	0.60	0.00	0.00	0.54	1.74						
	D25AD001	2.21	0.79	0.74	0.18	0.00	0.00	3.03	6.95						
D30	D25AD002	3.00	1.07	1.77	0.43	0.00	0.00	4.11	10.38						
	D25AD003	4.07	1.46	1.92	0.46	0.00	0.00	5.58	13.49						
	D25SP001	1.43	0.51	3.04	0.49	0.00	0.00	1.95	7.42						
	D25SP002	1.54	0.55	2.33	0.37	0.00	0.00	2.11	6.90						
	D25SP003	2.30	0.82	4.05	0.65	0.00	0.00	3.15	10.97						
	D25SP004	2.54	0.91	4.66	0.75	0.00	0.00	3.48	12.34						
	D25SP005	3.30	1.18	9.21	1.47	0.00	0.00	4.52	19.68						
D30	D25SP006	1.91	0.69	1.29	0.31	0.04	0.01	2.62	6.87						
	D25SP007	2.37	0.85	1.73	0.42	0.04	0.01	3.25	8.67						
D30	D30HD001	5.31	1.90	7.75	4.17	0.00	0.00	7.27	26.40						
	D30HD002	9.28	3.32	9.96	5.79	0.00	0.00	12.71	41.06						

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS							
		DEPR	CFC	FUEL	FOG	TIRE WEAR	RPR	RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	RPR	TOTAL RATE
D30	D30HD003	10.62	3.80	12.36	7.46	0.00	0.00	14.55	48.79							
	D30MR001	0.43	0.15	0.71	0.23	0.00	0.00	0.59	2.11							
	D30MR002	1.19	0.42	2.43	0.78	0.00	0.00	1.63	6.45							
	D30MR003	2.02	0.74	9.62	3.08	0.09	0.01	2.78	18.34							
	D30MR004	2.47	0.90	3.87	1.08	0.09	0.01	3.39	11.81							
	D30MR005	4.37	1.61	16.61	5.31	0.36	0.05	6.03	34.34							
	D30MR006	4.83	1.77	14.75	4.72	0.36	0.05	6.65	33.13							
	D30MR007	8.26	3.00	15.58	4.98	0.36	0.05	11.35	43.58							
D35	D35GD001	11.59	5.64	4.83	1.84	0.00	0.00	15.87	39.77							
	D35GD002	12.08	5.88	9.23	3.51	0.00	0.00	16.54	47.24							
	D35GD003	15.41	7.51	9.23	3.51	0.00	0.00	21.11	56.77							
	D35GD004	19.08	9.29	11.99	4.56	0.00	0.00	26.13	71.05							
	D35IN001	19.65	9.57	16.61	6.31	0.00	0.00	26.91	79.05							
	D35IN002	26.55	13.06	21.43	8.14	1.40	0.21	36.44	107.23							
	D35IN003	20.43	10.05	17.53	6.66	1.12	0.17	28.04	84.00							
	D35RO001	17.93	8.85	14.76	5.61	1.24	0.19	24.62	73.20							
	D35RO002	26.72	13.23	14.67	5.57	2.25	0.34	36.72	99.50							
	D35RO003	22.14	10.78	13.65	5.19	0.00	0.00	30.32	82.08							
	D35RO004	24.76	12.06	13.65	5.19	0.00	0.00	33.91	89.57							
	D35RO005	20.81	10.13	14.76	5.61	0.00	0.00	28.50	79.81							
	D35RO006	28.34	17.47	19.37	6.20	0.00	0.00	38.80	110.18							
F10	F10CA001	1.68	0.61	0.53	0.24	0.07	0.01	1.74	4.88							
	F10CA002	1.71	0.63	0.53	0.24	0.10	0.02	1.78	5.01							
	F10CA003	1.86	0.69	0.94	0.42	0.11	0.02	1.94	5.98							
	F10CA004	2.10	0.77	0.94	0.42	0.11	0.02	2.18	6.54							
	F10CA005	2.48	0.91	1.37	0.62	0.11	0.02	2.57	8.08							
	F10CA006	3.01	1.11	1.55	0.70	0.16	0.02	3.12	9.67							
	F10CA007	3.16	1.16	1.55	0.70	0.14	0.02	3.27	10.00							
	F10CA008	3.32	1.21	1.55	0.70	0.10	0.02	3.43	10.33							
	F10CA009	1.60	0.58	3.02	0.73	0.04	0.01	1.65	7.63							
	F10CA010	1.78	0.66	3.92	0.94	0.13	0.02	1.85	9.30							
	F10CA011	1.86	0.71	3.92	0.94	0.25	0.04	1.94	9.66							
	F10CA012	2.78	1.03	5.15	1.24	0.17	0.03	2.89	13.29							
	F10CA013	2.81	1.04	5.15	1.24	0.17	0.03	2.92	13.36							
	F10CA014	2.93	1.08	5.15	1.24	0.17	0.03	3.04	13.64							
	F10CA015	4.16	1.54	1.95	0.47	0.26	0.04	4.32	12.74							
	F10CA016	4.49	1.65	2.07	0.50	0.26	0.04	4.66	13.67							
	F10CA017	5.78	2.17	3.69	0.89	0.59	0.09	6.02	19.23							
	F10CA018	6.33	2.37	3.69	0.89	0.59	0.09	6.59	20.55							

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS						
		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RPR	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RPR
F10	F10CA019	6.87	2.56	3.69	0.89	0.57	0.09	7.15	21.82						
	F10CA020	7.07	2.66	3.69	0.89	0.74	0.11	7.37	22.53						
	F10CA021	2.74	1.03	2.01	0.48	0.26	0.04	2.86	9.42						
	F10CA022	2.80	1.05	2.01	0.48	0.26	0.04	2.92	9.56						
	F10CA023	3.38	1.25	2.01	0.48	0.26	0.04	3.51	10.93						
	F10CA024	3.40	1.30	2.01	0.48	0.48	0.07	3.56	11.30						
	F10HY001	1.50	0.57	3.76	0.90	0.16	0.02	1.57	8.48						
	F10HY002	2.07	0.77	5.15	1.24	0.17	0.03	2.15	11.58						
	F10HY003	3.40	1.25	7.68	1.84	0.21	0.03	3.53	17.94						
	F10HY004	4.21	1.57	7.68	1.84	0.36	0.05	4.39	20.10						
	F10HY005	5.31	2.01	3.75	0.90	0.60	0.09	5.55	18.21						
	F10HY006	6.28	2.37	3.75	0.90	0.71	0.11	6.55	20.67						
	F10HY007	6.49	2.41	3.75	0.90	0.52	0.08	6.75	20.90						
	F10HY008	12.98	4.85	5.73	1.37	1.16	0.17	13.52	39.78						
G10	G10HO001	0.09	0.02	0.41	0.10	0.00	0.00	0.07	0.69	0.10	0.02	0.54	0.13	0.00	0.00
	G10HO002	0.11	0.03	0.57	0.14	0.00	0.00	0.09	0.94	0.13	0.03	0.75	0.18	0.00	0.00
	G10HO003	0.10	0.03	0.32	0.00	0.00	0.00	0.08	0.53	0.12	0.03	0.42	0.00	0.00	0.10
	G10HO004	0.22	0.06	0.90	0.22	0.00	0.00	0.17	1.57	0.25	0.06	1.18	0.28	0.00	0.00
	G10KH001	0.09	0.02	0.41	0.10	0.00	0.00	0.07	0.69	0.10	0.02	0.54	0.13	0.00	0.00
	G10KH002	0.10	0.03	0.65	0.16	0.00	0.00	0.08	1.02	0.12	0.03	0.86	0.21	0.00	0.00
	G10KH003	0.13	0.04	0.90	0.22	0.00	0.00	0.10	1.39	0.15	0.04	1.18	0.28	0.00	0.00
	G10ON001	0.29	0.08	0.41	0.10	0.00	0.00	0.22	1.10	0.33	0.08	0.54	0.13	0.00	0.00
	G10ON002	0.37	0.10	0.82	0.20	0.00	0.00	0.28	1.77	0.42	0.10	1.07	0.26	0.00	0.00
	G10ON003	0.43	0.11	0.82	0.20	0.00	0.00	0.32	1.88	0.49	0.11	1.07	0.26	0.00	0.00
	G10ON004	0.49	0.13	1.63	0.39	0.00	0.00	0.37	3.01	0.56	0.13	2.15	0.52	0.00	0.00
	G10CA001	1.64	0.53	4.61	1.11	0.00	0.00	1.46	9.35	2.05	0.54	6.01	1.44	0.00	0.00
	G10CA002	2.05	0.66	7.11	1.71	0.00	0.00	1.82	13.35	2.56	0.68	9.29	2.23	0.00	0.00
	G10CA003	2.09	0.67	7.94	1.91	0.00	0.00	1.86	14.47	2.61	0.69	10.37	2.49	0.00	0.00
	G10CA004	2.32	0.75	9.80	2.35	0.00	0.00	2.07	17.29	2.91	0.77	12.80	3.07	0.00	0.00
	G10CA005	2.51	0.81	10.86	2.61	0.00	0.00	2.23	19.02	3.13	0.83	14.18	3.40	0.00	0.00
	G10CA006	4.10	1.32	15.65	3.75	0.00	0.00	3.65	28.47	5.12	1.36	20.43	4.90	0.00	0.00
	G10CA007	4.66	1.50	18.15	4.36	0.00	0.00	4.15	32.82	5.83	1.54	23.70	5.69	0.00	0.00
	G10CA008	6.22	2.00	23.14	5.55	0.00	0.00	5.53	42.44	7.77	2.06	30.22	7.25	0.00	0.00
	G10CA009	8.22	2.65	27.51	6.60	0.00	0.00	7.32	52.30	10.27	2.72	35.92	8.62	0.00	0.00
	G10CA010	10.74	3.46	38.35	9.20	0.00	0.00	9.56	71.31	13.42	3.55	50.06	12.02	0.00	0.00
	G10CA011	16.14	5.21	53.55	12.85	0.00	0.00	14.37	102.12	20.18	5.34	69.91	16.78	0.00	0.00
	G10ON005	0.68	0.22	1.14	0.27	0.00	0.00	0.60	2.91	0.84	0.22	1.50	0.36	0.00	0.00
	G10ON006	0.72	0.23	1.23	0.29	0.00	0.00	0.64	3.11	0.90	0.24	1.61	0.39	0.00	0.00
	G10ON007	0.83	0.27	0.44	0.11	0.00	0.00	0.74	2.39	1.04	0.28	0.58	0.14	0.00	0.00
	G10ON008	0.70	0.23	0.18	0.04	0.00	0.00	0.62	1.77	0.88	0.23	0.23	0.06	0.00	0.00

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS								
		DEPR	CFC	FUEL	FOG	WEAR	TIRE	RPR	TIRE	RPR	DEPR	CFC	FUEL	FOG	WEAR	TIRE	RPR
G10	G10ON009	0.83	0.27	0.35	0.09	0.00	0.00	0.74	2.28	1.04	0.28	0.46	0.11	0.00	0.00	1.06	2.95
	G10ON010	1.12	0.36	0.65	0.16	0.00	0.00	0.99	3.28	1.39	0.37	0.85	0.20	0.00	0.00	1.42	4.23
	G10ON011	1.16	0.38	0.80	0.19	0.00	0.00	1.04	3.57	1.46	0.39	1.04	0.25	0.00	0.00	1.48	4.62
	G10ON012	1.26	0.41	0.97	0.23	0.00	0.00	1.12	3.99	1.58	0.42	1.27	0.31	0.00	0.00	1.61	5.19
	G10ON013	1.36	0.44	1.48	0.35	0.00	0.00	1.21	4.84	1.70	0.45	1.93	0.46	0.00	0.00	1.73	6.27
	G10ON014	1.44	0.46	1.92	0.46	0.00	0.00	1.28	5.56	1.80	0.48	2.51	0.60	0.00	0.00	1.83	7.22
	G10ON015	1.61	0.52	2.57	0.62	0.00	0.00	1.43	6.75	2.01	0.53	3.35	0.80	0.00	0.00	2.05	8.74
	G10ON016	1.68	0.54	3.48	0.84	0.00	0.00	1.50	8.04	2.10	0.56	4.55	1.09	0.00	0.00	2.14	10.44
	G10ON017	1.89	0.61	3.48	0.84	0.00	0.00	1.68	8.50	2.36	0.62	4.55	1.09	0.00	0.00	2.40	11.02
	G10ON018	2.08	0.67	4.58	1.10	0.00	0.00	1.85	10.28	2.60	0.69	5.97	1.43	0.00	0.00	2.65	13.34
	G10ON019	2.33	0.75	5.64	1.35	0.00	0.00	2.07	12.14	2.91	0.77	7.36	1.77	0.00	0.00	2.96	15.77
	G10ON020	2.61	0.84	6.70	1.61	0.00	0.00	2.32	14.08	3.26	0.86	8.75	2.10	0.00	0.00	3.32	18.29
G15	G15CA001	7.13	3.43	3.38	1.15	0.58	0.09	7.31	23.07	8.55	3.48	4.41	1.50	0.79	0.12	9.41	28.26
	G15CA002	8.16	3.90	3.65	1.24	0.53	0.08	8.35	25.91	9.79	3.96	4.76	1.62	0.71	0.11	10.75	31.70
	G15CA003	8.88	4.25	3.65	1.24	0.58	0.09	9.10	27.79	10.66	4.32	4.76	1.62	0.79	0.12	11.71	33.98
	G15CA004	8.90	4.28	4.06	1.38	0.71	0.11	9.13	28.57	10.68	4.35	5.29	1.80	0.95	0.14	11.75	34.96
	G15CA005	13.23	6.44	5.41	1.84	1.47	0.22	13.61	42.22	15.88	6.53	7.05	2.40	1.99	0.30	17.52	51.67
	G15CA006	19.17	9.35	7.44	2.53	2.29	0.34	19.74	60.86	23.00	9.49	9.70	3.30	3.09	0.46	25.40	74.44
	G15CH001	6.96	3.37	3.65	1.24	0.68	0.10	7.15	23.15	8.35	3.42	4.76	1.62	0.92	0.14	9.20	28.41
	G15CH002	7.71	3.71	4.14	1.41	0.64	0.10	7.91	25.62	9.25	3.77	5.39	1.83	0.86	0.13	10.17	31.40
	G15CH003	8.32	4.02	5.06	1.72	0.73	0.11	8.54	28.50	9.98	4.07	6.59	2.24	0.99	0.15	10.99	35.01
	G15CH004	9.01	4.34	5.68	1.93	0.73	0.11	9.24	31.04	10.81	4.40	7.40	2.52	0.99	0.15	11.89	38.16
	G15CH005	9.68	4.78	5.41	1.84	1.47	0.22	10.00	33.40	11.61	4.85	7.05	2.40	1.99	0.30	12.86	41.06
	G15CH006	10.85	5.33	5.41	1.84	1.47	0.22	11.19	36.31	13.02	5.40	7.05	2.40	1.99	0.30	14.40	44.56
	G15CH007	6.57	3.18	3.65	1.24	0.64	0.10	6.75	22.13	7.88	3.23	4.76	1.62	0.86	0.13	8.69	27.17
	G15CH008	7.06	3.41	4.14	1.41	0.64	0.10	7.25	24.01	8.47	3.46	5.39	1.83	0.86	0.13	9.32	29.46
	G15CH009	7.60	3.68	5.06	1.72	0.73	0.11	7.81	26.71	9.12	3.73	6.59	2.24	0.99	0.15	10.05	32.87
	G15CH010	8.48	4.09	5.68	1.93	0.73	0.11	8.71	29.73	10.18	4.15	7.40	2.52	0.99	0.15	11.20	36.59
	G15CH011	9.15	4.53	5.41	1.84	1.47	0.22	9.46	32.08	10.98	4.60	7.05	2.40	1.99	0.30	12.17	39.49
	G15CH012	10.33	5.08	5.41	1.84	1.47	0.22	10.66	35.01	12.39	5.16	7.05	2.40	1.99	0.30	13.71	43.00
	G15FI001	6.89	3.32	3.65	1.24	0.58	0.09	7.07	22.84	8.27	3.37	4.76	1.62	0.79	0.12	9.10	28.03
	G15FI002	7.27	3.52	4.19	1.43	0.71	0.11	7.47	24.70	8.72	3.57	5.47	1.86	0.95	0.14	9.61	30.32
	G15FI003	7.61	3.73	4.46	1.52	0.98	0.15	7.84	26.29	9.13	3.78	5.82	1.98	1.32	0.20	10.09	32.32
	G15FI004	4.21	2.07	1.84	0.63	0.58	0.09	4.35	13.77	5.05	2.10	2.40	0.82	0.79	0.12	5.59	16.87
	G15FI005	6.41	3.10	3.65	1.24	0.58	0.09	6.58	21.65	7.69	3.14	4.76	1.62	0.79	0.12	8.47	26.59
	G15FI006	6.73	3.27	4.19	1.43	0.70	0.11	6.92	23.35	8.08	3.31	5.47	1.86	0.95	0.14	8.90	28.71
	G15FI007	7.13	3.50	4.46	1.52	0.98	0.15	7.36	25.10	8.56	3.56	5.82	1.98	1.32	0.20	9.47	30.91
	G15GI001	7.52	3.61	3.90	1.32	0.58	0.09	7.71	24.73	9.02	3.67	5.08	1.73	0.79	0.12	9.92	30.33
	G15GI002	7.75	3.72	3.90	1.32	0.58	0.09	7.94	25.30	9.30	3.78	5.08	1.73	0.79	0.12	10.22	31.02
	G15GI003	7.83	3.78	4.49	1.53	0.70	0.11	8.04	26.48	9.39	3.84	5.85	1.99	0.95	0.14	10.34	32.50

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS								
		TIRE		TIRE		TOTAL RATE	TIRE		TIRE		TOTAL RATE						
		DEPR	CFC	FUEL	FOG	WEAR	RPR	RPR	RPR	RPR							
G15	G15GI004	8.29	4.00	4.49	1.53	0.70	0.11	8.51	27.63	9.95	4.06	5.85	1.99	0.95	0.14	10.95	33.89
	G15G1005	8.81	4.24	4.49	1.53	0.70	0.11	9.04	28.92	10.57	4.30	5.85	1.99	0.95	0.14	11.63	35.43
	G15GI006	9.01	4.33	5.52	1.88	0.70	0.11	9.24	30.79	10.81	4.40	7.19	2.45	0.95	0.14	11.89	37.83
	G15GI007	9.47	4.55	4.79	1.63	0.70	0.11	9.71	30.96	11.36	4.62	6.24	2.12	0.95	0.14	12.49	37.92
	G15GI008	9.32	4.48	5.52	1.88	0.73	0.11	9.55	31.59	11.18	4.55	7.19	2.45	0.99	0.15	12.30	38.81
	G15GI009	10.43	5.00	5.52	1.88	0.73	0.11	10.69	34.36	12.51	5.08	7.19	2.45	0.99	0.15	13.75	42.12
	G15ID001	7.14	3.44	3.90	1.32	0.58	0.09	7.32	23.79	8.56	3.49	5.08	1.73	0.79	0.12	9.42	29.19
	G15ID002	7.72	3.73	3.90	1.32	0.70	0.11	7.93	25.41	9.26	3.78	5.08	1.73	0.95	0.14	10.20	31.14
	G15ID003	8.31	4.00	4.49	1.53	0.70	0.11	8.52	27.66	9.97	4.06	5.85	1.99	0.95	0.14	10.97	33.93
	G15ID004	9.02	4.34	5.52	1.88	0.70	0.11	9.25	30.82	10.83	4.40	7.19	2.45	0.95	0.14	11.91	37.87
	G15JD001	5.33	2.58	2.44	0.83	0.53	0.08	5.47	17.26	6.39	2.62	3.17	1.08	0.71	0.11	7.04	21.12
	G15JD002	6.75	3.25	3.65	1.24	0.53	0.08	6.92	22.42	8.10	3.29	4.76	1.62	0.71	0.11	8.91	27.50
	G15JD003	8.06	3.86	3.65	1.24	0.53	0.08	8.25	25.67	9.67	3.92	4.76	1.62	0.71	0.11	10.62	31.41
	G15JD004	7.68	3.70	4.19	1.43	0.64	0.10	7.88	25.62	9.21	3.75	5.47	1.86	0.86	0.13	10.14	31.42
	G15JD005	8.87	4.25	4.19	1.43	0.64	0.10	9.09	28.57	10.64	4.32	5.47	1.86	0.86	0.13	11.69	34.97
	G15KM001	8.64	4.13	3.38	1.15	0.53	0.08	8.85	26.76	10.37	4.19	4.41	1.50	0.71	0.11	11.38	32.67
	G15KM002	9.55	4.59	3.79	1.29	0.73	0.11	9.79	29.85	11.46	4.66	4.94	1.68	0.99	0.15	12.60	36.48
	G15KM003	10.32	4.95	4.19	1.43	0.73	0.11	10.57	32.30	12.38	5.02	5.47	1.86	0.99	0.15	13.61	39.48
	G15KM004	13.70	6.66	5.41	1.84	1.47	0.22	14.09	43.39	16.44	6.76	7.05	2.40	1.99	0.30	18.13	53.07
	G15KM005	19.10	9.32	7.58	2.58	2.29	0.34	19.67	60.88	22.92	9.46	9.87	3.36	3.09	0.46	25.31	74.47
	G15MI001	5.40	2.59	2.06	0.70	0.37	0.06	5.54	16.72	6.48	2.63	2.68	0.91	0.49	0.07	7.12	20.38
	G15MI002	5.87	2.81	2.46	0.84	0.37	0.06	6.01	18.42	7.05	2.85	3.21	1.09	0.49	0.07	7.74	22.50
	G15MI003	7.94	3.79	4.06	1.38	0.41	0.06	8.12	25.76	9.53	3.84	5.29	1.80	0.55	0.08	10.46	31.55
	G15MI004	8.74	4.17	4.71	1.60	0.47	0.07	8.95	28.71	10.49	4.23	6.14	2.09	0.63	0.09	11.51	35.18
H20	H20BE001	1.03	0.34	0.00	0.10	0.00	0.00	1.13	2.60								
	H20BE002	1.36	0.44	0.00	0.20	0.00	0.00	1.50	3.50								
	H20BE003	1.74	0.57	0.00	0.30	0.00	0.00	1.92	4.53								
	H20BE004	3.10	1.01	0.00	0.40	0.00	0.00	3.42	7.93								
	H20SK001	7.62	2.48	2.95	0.71	0.00	0.00	8.39	22.15								
	H20SK002	10.31	3.36	2.95	0.71	0.00	0.00	11.34	28.67								
	H20SK003	15.89	5.18	3.84	0.92	0.00	0.00	17.49	43.32								
	H20SK004	17.68	5.76	4.43	1.06	0.00	0.00	19.46	48.39								
H25	H25AK001	11.03	3.57	1.81	0.69	0.00	0.00	11.24	28.34	13.58	3.65	2.36	0.90	0.00	0.00	15.82	36.31
	H25AK002	15.63	5.05	3.92	1.49	0.00	0.00	15.93	42.02	19.24	5.17	5.11	1.94	0.00	0.00	22.42	53.88
	H25BA001	13.05	4.22	2.30	0.87	0.00	0.00	13.29	33.73	16.06	4.32	3.00	1.14	0.00	0.00	18.71	43.23
	H25BA002	20.79	6.72	4.33	1.65	0.00	0.00	21.19	54.68	25.59	6.88	5.64	2.14	0.00	0.00	29.82	70.07
	H25CA001	8.41	2.72	1.92	0.73	0.00	0.00	8.57	22.35	10.35	2.78	2.50	0.95	0.00	0.00	12.05	28.63
	H25CA002	10.84	3.50	2.54	0.97	0.00	0.00	11.05	28.90	13.34	3.59	3.31	1.26	0.00	0.00	15.55	37.05
	H25CA003	12.70	4.10	2.98	1.13	0.00	0.00	12.94	33.85	15.63	4.20	3.88	1.47	0.00	0.00	18.21	43.39

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS								
		DEPR	CFC	FUEL	FOG	TIRE	TIRE	TOTAL	DEPR	CFC	FUEL	FOG	WEAR	TIRE	TOTAL		
						WEAR	RPR							WEAR			
H25	H25CA004	13.74	4.44	3.11	1.18	0.00	0.00	14.00	36.47	16.91	4.55	4.05	1.54	0.00	0.00	19.70	46.75
	H25CS001	8.49	2.74	3.08	1.17	0.00	0.00	8.65	24.13	10.45	2.81	4.02	1.53	0.00	0.00	12.17	30.98
	H25CS002	9.42	3.04	3.46	1.32	0.00	0.00	9.60	26.84	11.59	3.12	4.51	1.72	0.00	0.00	13.50	34.44
	H25CS003	10.61	3.43	4.14	1.57	0.00	0.00	10.81	30.56	13.05	3.51	5.39	2.05	0.00	0.00	15.21	39.21
	H25FI001	14.30	4.62	2.84	1.08	0.00	0.00	14.57	37.41	17.60	4.73	3.70	1.41	0.00	0.00	20.50	47.94
	H25GA001	16.71	5.40	4.38	1.67	0.00	0.00	17.03	45.19	20.57	5.53	5.71	2.17	0.00	0.00	23.96	57.94
	H25GA002	20.37	6.58	3.92	1.49	0.00	0.00	20.76	53.12	25.07	6.74	5.11	1.94	0.00	0.00	29.20	68.06
	H25HI001	9.26	2.99	1.95	0.74	0.00	0.00	9.44	24.38	11.40	3.07	2.54	0.96	0.00	0.00	13.29	31.26
	H25HI002	12.80	4.14	2.92	1.11	0.00	0.00	13.04	34.01	15.75	4.23	3.81	1.45	0.00	0.00	18.35	43.59
	H25HI003	11.18	3.61	2.46	0.94	0.00	0.00	11.39	29.58	13.76	3.70	3.21	1.22	0.00	0.00	16.03	37.92
	H25HI004	13.95	4.51	3.22	1.22	0.00	0.00	14.21	37.11	17.17	4.61	4.20	1.59	0.00	0.00	20.00	47.57
	H25HI005	15.16	4.90	3.22	1.22	0.00	0.00	15.45	39.95	18.66	5.02	4.20	1.59	0.00	0.00	21.74	51.21
	H25IS001	11.04	3.57	3.65	1.39	0.00	0.00	11.25	30.90	13.59	3.65	4.76	1.81	0.00	0.00	15.83	39.64
	H25IS002	13.33	4.31	4.33	1.65	0.00	0.00	13.59	37.21	16.41	4.41	5.64	2.14	0.00	0.00	19.12	47.72
	H25JD001	2.09	0.67	0.41	0.15	0.00	0.00	2.13	5.45	2.57	0.69	0.53	0.20	0.00	0.00	2.99	6.98
	H25JD002	3.06	0.99	0.62	0.24	0.00	0.00	3.12	8.03	3.77	1.01	0.81	0.31	0.00	0.00	4.39	10.29
	H25JD003	4.41	1.43	1.06	0.40	0.00	0.00	4.50	11.80	5.43	1.46	1.38	0.52	0.00	0.00	6.32	15.11
	H25JD004	5.70	1.84	1.49	0.57	0.00	0.00	5.81	15.41	7.02	1.89	1.94	0.74	0.00	0.00	8.18	19.77
	H25JD005	8.41	2.72	2.03	0.77	0.00	0.00	8.58	22.51	10.36	2.78	2.64	1.00	0.00	0.00	12.07	28.85
	H25JD006	10.46	3.38	2.57	0.98	0.00	0.00	10.66	28.05	12.88	3.46	3.35	1.27	0.00	0.00	15.00	35.96
	H25JD007	11.14	3.60	3.38	1.29	0.00	0.00	11.35	30.76	13.71	3.68	4.41	1.67	0.00	0.00	15.97	39.44
	H25JD008	14.74	4.76	4.19	1.59	0.00	0.00	15.02	40.30	18.14	4.88	5.47	2.08	0.00	0.00	21.14	51.71
	H25KM001	10.04	3.25	2.22	0.84	0.00	0.00	10.24	26.59	12.36	3.32	2.89	1.10	0.00	0.00	14.40	34.07
	H25KM002	10.94	3.54	2.68	1.02	0.00	0.00	11.15	29.33	13.47	3.62	3.49	1.33	0.00	0.00	15.69	37.60
	H25KO001	6.61	2.14	1.38	0.52	0.00	0.00	6.73	17.38	8.13	2.19	1.80	0.68	0.00	0.00	9.47	22.27
	H25KO002	8.46	2.73	2.35	0.89	0.00	0.00	8.62	23.05	10.41	2.80	3.07	1.17	0.00	0.00	12.13	29.58
	H25MD001	9.63	3.11	2.27	0.86	0.00	0.00	9.81	25.68	11.85	3.19	2.96	1.13	0.00	0.00	13.80	32.93
	H25MD002	14.61	4.72	3.33	1.26	0.00	0.00	14.89	38.81	17.98	4.83	4.34	1.65	0.00	0.00	20.95	49.75
	H25AK003	14.94	5.32	4.49	1.71	0.00	0.00	16.21	42.67	18.67	5.44	5.85	2.22	0.00	0.00	22.77	54.95
	H25AK004	17.06	6.07	5.66	2.15	0.00	0.00	18.51	49.45	21.32	6.22	7.37	2.80	0.00	0.00	26.01	63.72
	H25AK005	27.99	9.96	7.09	2.69	0.00	0.00	30.37	78.10	34.99	10.20	9.24	3.51	0.00	0.00	42.68	100.62
	H25BA003	20.90	7.44	6.36	2.42	0.00	0.00	22.68	59.80	26.13	7.62	8.29	3.15	0.00	0.00	31.87	77.06
	H25BA004	25.12	8.94	8.33	3.17	0.00	0.00	27.26	72.82	31.40	9.16	10.86	4.13	0.00	0.00	38.30	93.85
	H25CA005	13.39	4.77	3.52	1.34	0.00	0.00	14.53	37.55	16.74	4.88	4.58	1.74	0.00	0.00	20.42	48.36
	H25CA006	15.47	5.51	3.92	1.49	0.00	0.00	16.78	43.17	19.33	5.64	5.11	1.94	0.00	0.00	23.58	55.60
	H25CA007	28.93	10.30	6.77	2.57	0.00	0.00	31.40	79.97	36.17	10.55	8.82	3.35	0.00	0.00	44.12	103.01
	H25FI002	16.39	5.83	4.11	1.56	0.00	0.00	17.79	45.68	20.49	5.97	5.36	2.04	0.00	0.00	24.99	58.85
	H25FI003	25.93	9.23	6.58	2.50	0.00	0.00	28.14	72.38	32.41	9.45	8.57	3.26	0.00	0.00	39.54	93.23
	H25HI006	10.58	3.77	3.11	1.18	0.00	0.00	11.48	30.12	13.23	3.86	4.05	1.54	0.00	0.00	16.14	38.82
	H25HI007	15.85	5.64	4.25	1.61	0.00	0.00	17.20	44.55	19.81	5.78	5.54	2.10	0.00	0.00	24.17	57.40
	H25HI008	24.82	8.83	7.28	2.77	0.00	0.00	26.93	70.63	31.02	9.05	9.48	3.60	0.00	0.00	37.84	90.99

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID.	NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS								
			DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	
H25	H25HI009		17.95	6.39	4.36	1.66	0.00	0.00	19.48	49.84	22.44	6.54	5.68	2.16	0.00	0.00	27.38	64.20
	H25HI010		18.50	6.58	4.36	1.66	0.00	0.00	20.07	51.17	23.12	6.74	5.68	2.16	0.00	0.00	28.20	65.90
	H25HI011		27.33	9.73	7.44	2.83	0.00	0.00	29.66	76.99	34.17	9.96	9.70	3.68	0.00	0.00	41.68	99.19
	H25HI012		27.11	9.65	7.44	2.83	0.00	0.00	29.42	76.45	33.89	9.88	9.70	3.68	0.00	0.00	41.34	98.49
	H25IS003		13.47	4.79	4.74	1.80	0.00	0.00	14.61	39.41	16.83	4.91	6.17	2.34	0.00	0.00	20.53	50.78
	H25IS004		20.81	7.41	6.90	2.62	0.00	0.00	22.58	60.32	26.01	7.59	8.99	3.42	0.00	0.00	31.73	77.74
	H25IS005		24.99	8.90	8.12	3.08	0.00	0.00	27.12	72.21	31.24	9.11	10.58	4.02	0.00	0.00	38.11	93.06
	H25JD009		14.35	5.11	4.87	1.85	0.00	0.00	15.57	41.75	17.94	5.23	6.35	2.41	0.00	0.00	21.88	53.81
	H25JD010		15.40	5.48	5.28	2.01	0.00	0.00	16.71	44.88	19.25	5.61	6.88	2.61	0.00	0.00	23.48	57.83
	H25JD011		21.79	7.76	7.04	2.67	0.00	0.00	23.64	62.90	27.24	7.94	9.17	3.48	0.00	0.00	33.22	81.05
	H25KM003		11.92	4.24	3.19	1.21	0.00	0.00	12.94	33.50	14.90	4.34	4.16	1.58	0.00	0.00	18.18	43.16
	H25KM004		13.98	4.97	4.00	1.52	0.00	0.00	15.17	39.64	17.47	5.09	5.22	1.98	0.00	0.00	21.31	51.07
	H25KM005		19.03	6.77	5.33	2.03	0.00	0.00	20.65	53.81	23.78	6.94	6.95	2.64	0.00	0.00	29.01	69.32
	H25KO003		11.51	4.10	3.41	1.30	0.00	0.00	12.49	32.81	14.39	4.20	4.44	1.69	0.00	0.00	17.56	42.28
	H25KO004		14.20	5.06	4.33	1.65	0.00	0.00	15.41	40.65	17.76	5.18	5.64	2.14	0.00	0.00	21.66	52.38
	H25KO005		16.95	6.03	5.74	2.18	0.00	0.00	18.39	49.29	21.19	6.18	7.48	2.84	0.00	0.00	25.85	63.54
	H25KO006		26.73	9.52	6.85	2.60	0.00	0.00	29.01	74.71	33.41	9.74	8.92	3.39	0.00	0.00	40.76	96.22
	H25MD003		15.36	5.47	4.14	1.57	0.00	0.00	16.67	43.21	19.20	5.60	5.39	2.05	0.00	0.00	23.42	55.66
	H25MD004		18.39	6.55	4.98	1.89	0.00	0.00	19.96	51.77	22.99	6.70	6.49	2.47	0.00	0.00	28.04	66.69
	H25MD005		18.94	6.74	6.14	2.33	0.00	0.00	20.55	54.70	23.68	6.90	8.00	3.04	0.00	0.00	28.88	70.50
	H25MD006		26.61	9.47	6.68	2.54	0.00	0.00	28.88	74.18	33.27	9.70	8.71	3.31	0.00	0.00	40.58	95.57
	H25MD007		27.12	9.65	7.74	2.94	0.00	0.00	29.43	76.88	33.90	9.88	10.08	3.83	0.00	0.00	41.35	99.04
	H25AK006		36.44	13.86	10.45	2.30	0.00	0.00	50.92	113.97	43.72	14.10	13.61	2.99	0.00	0.00	66.63	141.05
	H25BA005		46.68	17.76	16.67	3.67	0.00	0.00	65.25	150.03	56.02	18.07	21.72	4.78	0.00	0.00	85.37	185.96
	H25CA008		38.62	14.69	9.74	2.14	0.00	0.00	53.98	119.17	46.35	14.95	12.69	2.79	0.00	0.00	70.62	147.40
	H25HI013		38.05	14.48	12.88	2.83	0.00	0.00	53.18	121.42	45.66	14.73	16.78	3.69	0.00	0.00	69.57	150.43
	H25IS006		31.12	11.84	10.82	2.38	0.00	0.00	43.50	99.66	37.35	12.05	14.10	3.10	0.00	0.00	56.91	123.51
	H25KM006		44.02	16.75	10.93	2.41	0.00	0.00	61.52	135.63	52.82	17.04	14.25	3.13	0.00	0.00	80.49	167.73
	H25KO007		42.49	16.17	11.37	2.50	0.00	0.00	59.38	131.91	50.99	16.45	14.81	3.26	0.00	0.00	77.70	163.21
	H25HI014		39.44	17.29	14.56	3.49	0.00	0.00	60.10	134.88	46.01	17.51	18.97	4.55	0.00	0.00	75.97	163.01
	H25HI015		43.39	19.02	13.85	3.33	0.00	0.00	66.12	145.71	50.62	19.26	18.05	4.33	0.00	0.00	83.59	175.85
H30	H30AK001		17.37	5.11	4.28	1.54	0.28	0.04	11.81	40.43	21.38	5.25	5.59	2.01	0.36	0.05	15.98	50.62
	H30BA001		14.37	4.36	4.07	1.46	0.98	0.15	9.84	35.23	17.69	4.48	5.10	1.83	1.21	0.18	13.31	43.80
	H30BA002		24.37	7.20	6.52	2.35	0.52	0.08	16.58	57.62	30.00	7.39	8.26	2.97	0.64	0.10	22.44	71.80
	H30CA001		10.06	3.02	2.10	0.75	0.48	0.07	6.87	23.35	12.38	3.10	2.74	0.99	0.58	0.09	9.29	29.17
	H30CA002		12.30	3.70	2.77	1.00	0.62	0.09	8.40	28.88	15.13	3.80	3.62	1.30	0.75	0.11	11.36	36.07
	H30CA003		13.65	4.09	3.01	1.08	0.62	0.09	9.32	31.86	16.80	4.20	3.93	1.42	0.75	0.11	12.61	39.82
	H30GA001		14.40	4.31	5.29	1.90	0.65	0.10	9.83	36.48	17.73	4.43	6.68	2.41	0.81	0.12	13.30	45.48
	H30GA002		19.39	5.77	6.86	2.47	0.68	0.10	13.21	48.48	23.86	5.92	8.73	3.14	0.85	0.13	17.88	60.51
	H30GA003		11.72	3.49	4.22	1.52	0.42	0.06	7.99	29.42	14.43	3.58	5.51	1.98	0.52	0.08	10.81	36.91

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. 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		
H30	H30GA004	12.98	3.87	4.22	1.52	0.49	0.07	8.85	32.00	15.97	3.97	5.51	1.98	0.60	0.09	11.97	40.09
	H30AK002	16.14	5.26	4.90	1.76	0.35	0.05	12.32	40.78	20.18	5.40	6.40	2.30	0.44	0.07	16.70	51.49
	H30CA004	14.88	4.90	3.66	1.32	0.62	0.09	11.37	36.84	18.60	5.03	4.78	1.72	0.75	0.11	15.42	46.41
H35	H35HI001	39.48	19.59	13.85	3.33	0.00	0.00	60.16	136.41	45.12	19.78	18.05	4.33	0.00	0.00	74.50	161.78
	H35HI002	63.89	31.70	24.90	5.97	0.00	0.00	97.36	223.82	73.02	32.00	32.44	7.79	0.00	0.00	120.57	265.82
	H35HI003	148.24	73.55	44.92	10.78	0.00	0.00	225.90	503.39	169.42	74.26	58.53	14.05	0.00	0.00	279.75	596.01
L10	L10BS001	2.05	0.60	0.00	0.40	0.00	0.00	2.51	5.56	2.52	0.61	0.00	0.40	0.00	0.00	3.43	6.96
	L10BS002	1.86	0.54	0.00	0.30	0.00	0.00	2.28	4.98	2.29	0.56	0.00	0.30	0.00	0.00	3.11	6.26
	L10BS003	2.50	0.73	0.00	0.30	0.00	0.00	3.06	6.59	3.08	0.75	0.00	0.30	0.00	0.00	4.19	8.32
	L10BS004	0.82	0.24	0.00	0.25	0.00	0.00	1.00	2.31	1.01	0.25	0.00	0.25	0.00	0.00	1.37	2.88
	L10BS005	1.85	0.54	0.00	0.30	0.00	0.00	2.26	4.95	2.27	0.55	0.00	0.30	0.00	0.00	3.09	6.21
	L10BS006	2.81	0.82	0.00	0.40	0.00	0.00	3.44	7.47	3.46	0.84	0.00	0.40	0.00	0.00	4.71	9.41
	L10BS007	3.41	1.00	0.00	0.50	0.00	0.00	4.18	9.09	4.20	1.02	0.00	0.50	0.00	0.00	5.71	11.43
	L10BU001	0.41	0.12	0.00	0.80	0.00	0.00	0.51	1.84	0.51	0.12	0.00	0.80	0.00	0.00	0.69	2.12
	L10BU002	0.80	0.23	0.00	1.50	0.00	0.00	0.98	3.51	0.99	0.24	0.00	1.50	0.00	0.00	1.34	4.07
	L10BU003	1.09	0.32	0.00	2.00	0.00	0.00	1.33	4.74	1.34	0.33	0.00	2.00	0.00	0.00	1.83	5.50
	L10BU004	1.36	0.40	0.00	2.50	0.00	0.00	1.66	5.92	1.67	0.41	0.00	2.50	0.00	0.00	2.27	6.85
	L10BU005	0.57	0.17	0.00	1.10	0.00	0.00	0.69	2.53	0.70	0.17	0.00	1.10	0.00	0.00	0.95	2.92
	L10BU006	0.19	0.06	0.00	0.70	0.00	0.00	0.23	1.18	0.23	0.06	0.00	0.70	0.00	0.00	0.32	1.31
	L10BU007	0.20	0.06	0.00	0.80	0.00	0.00	0.25	1.31	0.25	0.06	0.00	0.80	0.00	0.00	0.34	1.45
	L10BU008	0.22	0.06	0.00	0.80	0.00	0.00	0.27	1.35	0.27	0.07	0.00	0.80	0.00	0.00	0.37	1.51
	L10BU009	0.23	0.07	0.00	0.90	0.00	0.00	0.28	1.48	0.28	0.07	0.00	0.90	0.00	0.00	0.38	1.63
	L10CI001	0.48	0.14	1.36	0.41	0.00	0.00	0.58	2.97	0.59	0.14	1.78	0.53	0.00	0.00	0.80	3.84
	L10VE001	0.59	0.18	1.44	0.43	0.02	0.00	0.73	3.39	0.73	0.18	1.88	0.56	0.03	0.00	1.00	4.38
	L10VE002	0.64	0.19	2.57	0.77	0.02	0.00	0.78	4.97	0.78	0.19	3.36	1.01	0.02	0.00	1.07	6.43
	L10VE003	1.74	0.51	4.69	1.41	0.03	0.00	2.13	10.51	2.14	0.53	6.13	1.84	0.03	0.00	2.91	13.58
	L10VE004	2.75	0.81	4.69	1.41	0.03	0.00	3.37	13.06	3.38	0.83	6.13	1.84	0.03	0.00	4.61	16.82
	L10VE005	1.23	0.36	0.98	0.29	0.03	0.00	1.51	4.40	1.51	0.37	1.28	0.39	0.03	0.00	2.06	5.64
	L10VE006	1.64	0.48	0.98	0.29	0.03	0.00	2.01	5.43	2.02	0.50	1.28	0.39	0.03	0.00	2.75	6.97
	L10VE007	1.65	0.48	0.00	1.50	0.00	0.00	2.01	5.64	2.03	0.49	0.00	1.50	0.00	0.00	2.76	6.78
	L10VE008	5.56	1.63	0.00	3.00	0.00	0.00	6.81	17.00	6.84	1.67	0.00	3.00	0.00	0.00	9.31	20.82
L15	L15EX001	2.51	0.38	2.33	0.56	0.05	0.01	2.27	8.11								
	L15EX002	2.82	0.43	0.81	0.19	0.05	0.01	2.55	6.86								
	L15EX003	3.33	0.51	0.85	0.20	0.05	0.01	3.01	7.96								
	L15EX004	3.14	0.48	1.03	0.25	0.05	0.01	2.83	7.79								
	L15EX005	2.89	0.44	3.44	0.83	0.05	0.01	2.61	10.27								
	L15EX006	3.05	0.46	4.35	1.05	0.05	0.01	2.76	11.73								
	L15EX007	3.59	0.55	4.35	1.05	0.05	0.01	3.25	12.85								

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS								
		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
L15	L15EX008	5.44	0.83	1.07	0.26	0.11	0.02	4.91	12.64								
	L15EX009	3.53	0.54	4.35	1.05	0.05	0.01	3.18	12.71								
	L15TO001	0.15	0.02	0.51	0.12	0.00	0.00	0.13	0.93								
	L15TO002	0.31	0.05	0.81	0.19	0.04	0.01	0.29	1.70								
	L15TO003	1.21	0.19	1.72	0.41	0.04	0.01	1.10	4.68								
	L15TO004	1.28	0.20	1.72	0.41	0.04	0.01	1.16	4.82								
	L15TO005	2.70	0.41	0.77	0.19	0.05	0.01	2.44	6.57								
	L15TO006	2.22	0.34	2.03	0.49	0.05	0.01	2.00	7.14								
	L15TO007	2.34	0.36	2.03	0.49	0.05	0.01	2.12	7.40								
	L15TO008	2.83	0.43	0.77	0.19	0.05	0.01	2.56	6.84								
L20	L20AB001	1.42	0.48	0.58	0.14	0.08	0.01	3.17	5.88								
	L20AB002	1.30	0.44	0.58	0.14	0.08	0.01	2.92	5.47								
	L20AB003	0.82	0.28	0.19	0.05	0.08	0.01	1.85	3.28								
	L20AB004	0.61	0.21	0.19	0.05	0.08	0.01	1.38	2.53								
	L20AB005	0.90	0.31	0.39	0.09	0.08	0.01	2.02	3.80								
	L20AB006	0.36	0.13	0.54	0.13	0.08	0.01	0.82	2.07								
	L20AB007	0.45	0.16	0.19	0.05	0.08	0.01	1.02	1.96								
	L20AB008	0.31	0.12	0.54	0.13	0.08	0.01	0.73	1.92								
	L20AB009	0.40	0.15	0.19	0.05	0.08	0.01	0.93	1.81								
	L20AB010	0.51	0.18	0.19	0.20	0.08	0.01	1.16	2.33								
	L20AB011	0.34	0.13	0.19	0.20	0.08	0.01	0.78	1.73								
	L20AI001	0.41	0.14	0.43	0.10	0.02	0.00	0.92	2.02								
	L20AI002	1.18	0.39	0.42	0.10	0.03	0.00	2.63	4.75								
	L20AI003	1.36	0.45	0.62	0.15	0.03	0.00	3.03	5.64								
	L20AI004	1.78	0.58	1.72	0.41	0.03	0.00	3.96	8.48								
L25	L25MB001	0.26	0.09	0.43	0.85	0.00	0.00	0.47	2.10								
	L25MB002	0.33	0.11	0.64	1.15	0.00	0.00	0.59	2.82								
	L25MB003	0.94	0.30	1.07	1.51	0.00	0.00	1.66	5.48								
	L25MB004	6.68	2.20	20.40	6.40	0.21	0.03	11.89	47.81								
L30	L30KL001	1.82	0.71	0.30	0.08	0.46	0.07	2.56	6.00	2.28	0.73	0.39	0.11	0.61	0.09	3.52	7.73
	L30KL002	0.59	0.21	0.15	0.04	0.00	0.00	0.81	1.80	0.74	0.22	0.19	0.05	0.00	0.00	1.11	2.31
	L30KL003	0.76	0.27	0.09	0.02	0.00	0.00	1.04	2.18	0.95	0.28	0.12	0.03	0.00	0.00	1.43	2.81
	L30KL004	0.12	0.04	0.00	0.00	0.00	0.00	0.16	0.32	0.15	0.04	0.00	0.00	0.00	0.00	0.22	0.41
	L30KL005	0.59	0.21	0.00	0.00	0.00	0.00	0.81	1.61	0.74	0.22	0.00	0.00	0.00	0.00	1.12	2.08
	L30KL006	0.46	0.16	0.09	0.02	0.00	0.00	0.63	1.36	0.57	0.17	0.12	0.03	0.00	0.00	0.87	1.76
	L30KL007	0.62	0.22	0.15	0.04	0.00	0.00	0.85	1.88	0.78	0.23	0.19	0.05	0.00	0.00	1.18	2.43
	L30KL008	0.88	0.31	0.15	0.04	0.00	0.00	1.21	2.59	1.10	0.32	0.19	0.05	0.00	0.00	1.66	3.32
	L30KL009	0.09	0.03	0.00	0.00	0.00	0.00	0.12	0.24	0.11	0.03	0.00	0.00	0.00	0.00	0.17	0.31

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS								
		TIRE			TIRE			TOTAL RATE	TIRE			TIRE			TOTAL RATE		
		DEPR	CFC	FUEL	FOG	WEAR	RPR		DEPR	CFC	FUEL	FOG	WEAR	RPR			
L30	L30KL010	1.93	0.75	0.59	0.17	0.46	0.07	2.71	6.68	2.41	0.77	0.77	0.22	0.61	0.09	3.73	8.60
	L30KL011	0.69	0.25	0.24	0.07	0.00	0.00	0.95	2.20	0.86	0.25	0.31	0.09	0.00	0.00	1.31	2.82
	L30KL012	0.84	0.30	0.15	0.04	0.00	0.00	1.15	2.48	1.05	0.31	0.19	0.05	0.00	0.00	1.59	3.19
	L30KL013	0.12	0.04	0.00	0.00	0.00	0.00	0.16	0.32	0.15	0.04	0.00	0.00	0.00	0.00	0.22	0.41
	L30KL014	0.59	0.21	0.00	0.00	0.00	0.00	0.81	1.61	0.74	0.22	0.00	0.00	0.00	0.00	1.12	2.08
	L30KL015	0.56	0.20	0.09	0.02	0.00	0.00	0.76	1.63	0.69	0.20	0.12	0.03	0.00	0.00	1.05	2.09
	L30KL016	0.76	0.27	0.15	0.04	0.00	0.00	1.05	2.27	0.95	0.28	0.19	0.05	0.00	0.00	1.44	2.91
	L30KL017	1.03	0.37	0.24	0.07	0.00	0.00	1.42	3.13	1.29	0.38	0.31	0.09	0.00	0.00	1.95	4.02
	L30KL018	0.09	0.03	0.00	0.00	0.00	0.00	0.12	0.24	0.11	0.03	0.00	0.00	0.00	0.00	0.17	0.31
	L30KL019	2.36	0.91	0.89	0.25	0.46	0.07	3.30	8.24	2.96	0.93	1.16	0.32	0.61	0.09	4.54	10.61
	L30KL020	0.73	0.26	0.27	0.07	0.00	0.00	1.01	2.34	0.91	0.27	0.35	0.10	0.00	0.00	1.38	3.01
	L30KL021	0.91	0.32	0.21	0.06	0.00	0.00	1.25	2.75	1.13	0.33	0.27	0.08	0.00	0.00	1.71	3.52
	L30KL022	0.12	0.04	0.00	0.00	0.00	0.00	0.16	0.32	0.15	0.04	0.00	0.00	0.00	0.00	0.22	0.41
	L30KL023	0.59	0.21	0.00	0.00	0.00	0.00	0.81	1.61	0.74	0.22	0.00	0.00	0.00	0.00	1.12	2.08
	L30KL024	0.63	0.23	0.15	0.04	0.00	0.00	0.86	1.91	0.79	0.23	0.19	0.05	0.00	0.00	1.19	2.45
	L30KL025	0.87	0.31	0.24	0.07	0.00	0.00	1.19	2.68	1.08	0.32	0.31	0.09	0.00	0.00	1.64	3.44
	L30KL026	1.01	0.36	0.24	0.07	0.00	0.00	1.39	3.07	1.26	0.37	0.31	0.09	0.00	0.00	1.91	3.94
	L30KL027	0.09	0.03	0.00	0.00	0.00	0.00	0.12	0.24	0.11	0.03	0.00	0.00	0.00	0.00	0.17	0.31
	L30KL028	2.56	0.98	1.18	0.33	0.46	0.07	3.58	9.16	3.20	1.00	1.54	0.43	0.61	0.09	4.92	11.79
	L30KL029	0.89	0.32	0.32	0.09	0.00	0.00	1.23	2.85	1.12	0.33	0.42	0.12	0.00	0.00	1.69	3.68
	L30KL030	0.91	0.33	0.27	0.07	0.00	0.00	1.25	2.83	1.14	0.33	0.35	0.10	0.00	0.00	1.72	3.64
	L30KL031	0.12	0.04	0.00	0.00	0.00	0.00	0.16	0.32	0.15	0.04	0.00	0.00	0.00	0.00	0.22	0.41
	L30KL032	0.59	0.21	0.00	0.00	0.00	0.00	0.81	1.61	0.74	0.22	0.00	0.00	0.00	0.00	1.12	2.08
	L30KL033	0.81	0.29	0.15	0.04	0.00	0.00	1.12	2.41	1.02	0.30	0.19	0.05	0.00	0.00	1.54	3.10
	L30KL034	0.96	0.34	0.24	0.07	0.00	0.00	1.32	2.93	1.20	0.35	0.31	0.09	0.00	0.00	1.81	3.76
	L30KL035	1.46	0.52	0.30	0.08	0.00	0.00	2.01	4.37	1.83	0.54	0.39	0.11	0.00	0.00	2.77	5.64
	L30KL036	0.09	0.03	0.00	0.00	0.00	0.00	0.12	0.24	0.11	0.03	0.00	0.00	0.00	0.00	0.17	0.31
	L30KL037	3.44	1.29	1.48	0.41	0.46	0.07	4.79	11.94	4.30	1.32	1.93	0.54	0.61	0.09	6.58	15.37
	L30KL038	1.24	0.45	0.44	0.12	0.00	0.00	1.71	3.96	1.55	0.46	0.58	0.16	0.00	0.00	2.35	5.10
	L30KL039	1.19	0.43	0.30	0.08	0.00	0.00	1.64	3.64	1.49	0.44	0.39	0.11	0.00	0.00	2.26	4.69
	L30KL040	0.12	0.04	0.00	0.00	0.00	0.00	0.16	0.32	0.15	0.04	0.00	0.00	0.00	0.00	0.22	0.41
	L30KL041	0.70	0.25	0.00	0.00	0.00	0.00	0.97	1.92	0.88	0.26	0.00	0.00	0.00	0.00	1.33	2.47
	L30KL042	0.94	0.34	0.24	0.07	0.00	0.00	1.30	2.89	1.18	0.35	0.31	0.09	0.00	0.00	1.79	3.72
	L30KL043	1.72	0.61	0.30	0.08	0.00	0.00	2.36	5.07	2.14	0.63	0.39	0.11	0.00	0.00	3.25	6.52
	L30KL044	1.94	0.69	0.30	0.08	0.00	0.00	2.67	5.68	2.42	0.71	0.39	0.11	0.00	0.00	3.67	7.30
	L30KL045	0.09	0.03	0.00	0.00	0.00	0.00	0.12	0.24	0.11	0.03	0.00	0.00	0.00	0.00	0.17	0.31
	L30KL046	13.04	5.10	3.69	1.03	6.75	1.01	18.31	48.93	16.30	5.22	4.82	1.35	10.72	1.61	25.17	65.19
	L30KL047	14.61	5.67	5.46	1.53	6.88	1.03	20.47	55.65	18.26	5.80	7.13	2.00	10.94	1.64	28.14	73.91
	L30KL048	14.73	5.86	5.46	1.53	9.53	1.43	20.76	59.30	18.42	5.99	7.13	2.00	15.24	2.29	28.54	79.61
	L30KL049	16.91	6.73	8.56	2.40	11.28	1.69	23.83	71.40	21.14	6.88	11.18	3.13	18.07	2.71	32.77	95.88
	L30KL050	16.36	6.29	5.46	1.53	6.75	1.01	22.88	60.28	20.46	6.43	7.13	2.00	10.72	1.61	31.46	79.81

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS								
		DEPR	CFC	FUEL	FOG	TIRE	TIRE	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE	TIRE	RPR	RPR	TOTAL RATE
						WEAR	RPR										
L30	L30KL051	17.34	6.65	5.46	1.53	6.88	1.03	24.22	63.11	21.67	6.80	7.13	2.00	10.94	1.64	33.31	83.49
	L30KL052	19.43	7.54	8.56	2.40	9.53	1.43	27.21	76.10	24.28	7.71	11.18	3.13	15.24	2.29	37.42	101.25
	L30KL053	21.37	8.33	8.56	2.40	11.28	1.69	29.97	83.60	26.71	8.52	11.18	3.13	18.07	2.71	41.21	111.53
	L30KL054	1.25	0.45	0.24	0.07	0.00	0.00	1.72	3.73	1.57	0.46	0.31	0.09	0.00	0.00	2.37	4.80
	L30KL055	2.11	0.75	0.44	0.12	0.00	0.00	2.90	6.32	2.63	0.77	0.58	0.16	0.00	0.00	3.98	8.12
	L30KL056	2.27	0.82	0.44	0.12	0.00	0.00	3.13	6.78	2.84	0.83	0.58	0.16	0.00	0.00	4.30	8.71
	L30KL057	2.08	0.74	0.44	0.12	0.00	0.00	2.86	6.24	2.59	0.76	0.58	0.16	0.00	0.00	3.93	8.02
L35	L35CA001	4.42	1.57	2.14	0.81	0.00	0.00	8.04	16.98	5.53	1.61	2.80	1.06	0.00	0.00	10.42	21.42
	L35CA002	4.77	1.69	2.14	0.81	0.00	0.00	8.66	18.07	5.96	1.73	2.80	1.06	0.00	0.00	11.23	22.78
	L35CA003	5.02	1.78	2.49	0.95	0.00	0.00	9.12	19.36	6.28	1.83	3.26	1.24	0.00	0.00	11.83	24.44
	L35CA004	8.24	2.93	2.56	0.97	0.00	0.00	14.97	29.67	10.30	3.00	3.35	1.27	0.00	0.00	19.40	37.32
	L35CA005	10.15	3.61	3.52	1.34	0.00	0.00	18.44	37.06	12.68	3.69	4.60	1.75	0.00	0.00	23.90	46.62
	L35CA006	13.38	4.76	4.80	1.82	0.00	0.00	24.31	49.07	16.72	4.87	6.27	2.38	0.00	0.00	31.51	61.75
	L35CA007	19.87	7.06	6.72	2.55	0.00	0.00	36.11	72.31	24.83	7.23	8.78	3.34	0.00	0.00	46.80	90.98
	L35CS001	4.24	1.51	2.01	0.77	0.00	0.00	7.70	16.23	5.29	1.54	2.63	1.00	0.00	0.00	9.98	20.44
	L35CS002	6.25	2.22	2.62	1.00	0.00	0.00	11.35	23.44	7.81	2.27	3.43	1.30	0.00	0.00	14.71	29.52
	L35CS003	8.30	2.95	3.77	1.43	0.00	0.00	15.07	31.52	10.37	3.02	4.93	1.88	0.00	0.00	19.54	39.74
	L35CS004	9.24	3.28	4.48	1.70	0.00	0.00	16.79	35.49	11.55	3.36	5.85	2.22	0.00	0.00	21.76	44.74
	L35FI001	5.45	1.94	2.24	0.85	0.00	0.00	9.91	20.39	6.82	1.98	2.93	1.11	0.00	0.00	12.85	25.69
	L35FI002	6.02	2.14	2.72	1.03	0.00	0.00	10.94	22.85	7.53	2.19	3.55	1.35	0.00	0.00	14.18	28.80
	L35FI003	9.81	3.49	4.06	1.54	0.00	0.00	17.82	36.72	12.26	3.57	5.31	2.02	0.00	0.00	23.10	46.26
	L35FI004	12.49	4.44	5.37	2.04	0.00	0.00	22.70	47.04	15.61	4.55	7.03	2.67	0.00	0.00	29.43	59.29
	L35FI005	18.54	6.59	7.13	2.71	0.00	0.00	33.70	68.67	23.18	6.75	9.33	3.54	0.00	0.00	43.69	86.49
	L35ID001	4.80	1.71	2.24	0.85	0.00	0.00	8.72	18.32	6.00	1.75	2.93	1.11	0.00	0.00	11.30	23.09
	L35ID002	6.35	2.26	2.56	0.97	0.00	0.00	11.54	23.68	7.93	2.31	3.35	1.27	0.00	0.00	14.95	29.81
	L35ID003	9.55	3.40	4.48	1.70	0.00	0.00	17.36	36.49	11.94	3.48	5.85	2.22	0.00	0.00	22.51	46.00
	L35ID004	12.14	4.31	5.28	2.01	0.00	0.00	22.05	45.79	15.17	4.42	6.90	2.62	0.00	0.00	28.59	57.70
	L35ID005	14.63	5.20	6.88	2.61	0.00	0.00	26.58	55.90	18.28	5.32	8.99	3.42	0.00	0.00	34.45	70.46
	L35JD001	3.26	1.16	1.54	0.58	0.00	0.00	5.92	12.46	4.07	1.19	2.01	0.76	0.00	0.00	7.67	15.70
	L35JD002	4.22	1.50	2.24	0.85	0.00	0.00	7.67	16.48	5.27	1.54	2.93	1.11	0.00	0.00	9.94	20.79
	L35JD003	5.75	2.04	2.88	1.09	0.00	0.00	10.45	22.21	7.19	2.09	3.76	1.43	0.00	0.00	13.55	28.02
	L35JD004	7.85	2.79	3.84	1.46	0.00	0.00	14.26	30.20	9.81	2.86	5.02	1.91	0.00	0.00	18.49	38.09
	L35JD005	8.89	3.16	4.48	1.70	0.00	0.00	16.16	34.39	11.11	3.24	5.85	2.22	0.00	0.00	20.94	43.36
	L35RM001	5.81	2.07	2.24	0.85	0.00	0.00	10.56	21.53	7.27	2.12	2.93	1.11	0.00	0.00	13.69	27.12
	L35RM002	8.32	2.96	2.88	1.09	0.00	0.00	15.12	30.37	10.40	3.03	3.76	1.43	0.00	0.00	19.60	38.22
	L35RM003	11.34	4.03	3.52	1.34	0.00	0.00	20.62	40.85	14.18	4.13	4.60	1.75	0.00	0.00	26.72	51.38
	L35RM004	13.40	4.76	4.32	1.64	0.00	0.00	24.35	48.47	16.75	4.88	5.65	2.15	0.00	0.00	31.56	60.99
	L35RM005	15.28	5.43	5.12	1.94	0.00	0.00	27.77	55.54	19.10	5.56	6.69	2.54	0.00	0.00	36.00	69.89
	L35RM006	19.51	6.94	6.40	2.43	0.00	0.00	35.46	70.74	24.39	7.10	8.36	3.18	0.00	0.00	45.97	89.00
L40																	

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS								
		DEPR	CFC	FUEL	FOG	WEAR	TIRE RPR	TIRE RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	WEAR	TIRE RPR	TIRE RPR	TOTAL RATE
L40	L40CA001	4.09	1.70	1.92	0.81	0.87	0.13	4.23	13.75	5.11	1.74	2.51	1.05	1.67	0.25	5.67	18.00
	L40CA002	5.52	2.27	2.51	1.05	0.87	0.13	5.69	18.04	6.90	2.32	3.28	1.38	1.67	0.25	7.63	23.43
	L40CA003	6.46	2.65	3.25	1.36	0.96	0.14	6.66	21.48	8.08	2.70	4.24	1.78	1.83	0.27	8.92	27.82
	L40CA004	8.03	3.39	3.99	1.67	2.26	0.34	8.34	28.02	10.04	3.47	5.20	2.19	4.32	0.65	11.18	37.05
	L40CA005	10.10	4.28	4.72	1.98	2.99	0.45	10.50	35.02	12.62	4.37	6.17	2.59	5.70	0.86	14.08	46.39
	L40CA006	13.71	5.93	6.38	2.68	5.28	0.79	14.34	49.11	17.14	6.06	8.32	3.50	10.07	1.51	19.22	65.82
	L40CS001	3.32	1.40	2.04	0.86	0.87	0.13	3.45	12.07	4.15	1.43	2.66	1.12	1.67	0.25	4.62	15.90
	L40CS002	4.44	1.85	2.66	1.12	0.96	0.14	4.59	15.76	5.55	1.89	3.47	1.46	1.83	0.27	6.16	20.63
	L40CS003	6.38	2.71	3.25	1.36	1.97	0.30	6.65	22.62	7.98	2.77	4.24	1.78	3.76	0.56	8.91	30.00
	L40CS004	7.72	3.24	4.52	1.90	1.97	0.30	8.00	27.65	9.64	3.31	5.90	2.48	3.76	0.56	10.73	36.38
	L40CS005	9.89	4.18	6.05	2.54	2.85	0.43	10.28	36.22	12.36	4.27	7.90	3.32	5.44	0.82	13.77	47.88
	L40FI001	4.28	1.78	2.10	0.88	0.87	0.13	4.42	14.46	5.35	1.81	2.74	1.15	1.67	0.25	5.93	18.90
	L40FI002	5.08	2.10	2.66	1.12	0.96	0.14	5.25	17.31	6.35	2.15	3.47	1.46	1.83	0.27	7.04	22.57
	L40FI003	5.67	2.36	3.25	1.36	1.18	0.18	5.87	19.87	7.09	2.41	4.24	1.78	2.26	0.34	7.86	25.98
	L40FI004	6.64	2.74	3.69	1.55	1.18	0.18	6.86	22.84	8.30	2.80	4.82	2.02	2.26	0.34	9.19	29.73
	L40FI005	7.11	3.01	4.13	1.74	2.07	0.31	7.39	25.76	8.89	3.08	5.40	2.27	3.95	0.59	9.91	34.09
	L40FI006	9.59	4.09	5.46	2.29	3.14	0.47	10.00	35.04	11.99	4.18	7.13	2.99	5.99	0.90	13.40	46.58
	L40FN001	1.78	0.74	1.42	0.60	0.34	0.05	1.84	6.77	2.22	0.75	1.85	0.78	0.64	0.10	2.46	8.80
	L40FN002	2.02	0.84	1.42	0.60	0.41	0.06	2.09	7.44	2.53	0.86	1.85	0.78	0.78	0.12	2.80	9.72
	L40FN003	2.27	0.95	1.77	0.74	0.49	0.07	2.35	8.64	2.84	0.97	2.31	0.97	0.92	0.14	3.15	11.30
	L40FN004	2.40	1.03	1.86	0.78	0.72	0.11	2.51	9.41	3.01	1.05	2.43	1.02	1.35	0.20	3.36	12.42
	L40FU001	5.53	2.30	2.36	0.99	1.18	0.18	5.72	18.26	6.91	2.35	3.08	1.29	2.26	0.34	7.67	23.90
	L40FU002	6.51	2.69	3.01	1.26	1.18	0.18	6.72	21.55	8.14	2.75	3.93	1.65	2.26	0.34	9.01	28.08
	L40FU003	8.11	3.40	4.13	1.74	1.97	0.30	8.41	28.06	10.14	3.47	5.40	2.27	3.76	0.56	11.27	36.87
	L40FU004	9.74	4.04	4.72	1.98	1.97	0.30	10.07	32.82	12.17	4.13	6.17	2.59	3.76	0.56	13.49	42.87
	L40FU005	13.21	5.57	6.41	2.69	3.60	0.54	13.72	45.74	16.52	5.69	8.36	3.51	6.87	1.03	18.39	60.37
	L40ID001	4.36	1.81	2.36	0.99	0.87	0.13	4.51	15.03	5.45	1.85	3.08	1.29	1.67	0.25	6.04	19.63
	L40ID002	5.38	2.24	3.10	1.30	1.18	0.18	5.57	18.95	6.73	2.29	4.05	1.70	2.26	0.34	7.47	24.84
	L40ID003	6.44	2.66	3.54	1.49	1.18	0.18	6.65	22.14	8.05	2.72	4.62	1.94	2.26	0.34	8.91	28.84
	L40ID004	9.48	3.94	4.87	2.05	1.97	0.30	9.80	32.41	11.85	4.02	6.36	2.67	3.76	0.56	13.14	42.36
	L40ID005	13.14	5.53	6.05	2.54	3.44	0.52	13.64	44.86	16.42	5.64	7.90	3.32	6.56	0.98	18.28	59.10
	L40JD001	4.07	1.69	2.21	0.93	0.87	0.13	4.21	14.11	5.09	1.73	2.89	1.21	1.67	0.25	5.65	18.49
	L40JD002	4.60	1.91	2.80	1.18	0.96	0.14	4.76	16.35	5.75	1.95	3.66	1.54	1.83	0.27	6.38	21.38
	L40JD003	5.45	2.25	3.39	1.43	0.96	0.14	5.62	19.24	6.81	2.29	4.43	1.86	1.83	0.27	7.53	25.02
	L40JD004	7.85	3.28	4.72	1.98	1.77	0.27	8.13	28.00	9.82	3.35	6.17	2.59	3.39	0.51	10.90	36.73
	L40KA001	6.06	2.51	3.19	1.34	1.18	0.18	6.26	20.72	7.57	2.56	4.16	1.75	2.26	0.34	8.39	27.03
	L40KA002	8.44	3.52	4.66	1.96	1.97	0.30	8.74	29.59	10.55	3.60	6.09	2.56	3.76	0.56	11.71	38.83
	L40KA003	9.08	3.79	4.87	2.05	2.07	0.31	9.40	31.57	11.35	3.87	6.36	2.67	3.95	0.59	12.60	41.39
	L40MC001	4.24	1.77	2.18	0.92	0.77	0.12	4.39	14.39	5.30	1.81	2.85	1.20	1.41	0.21	5.89	18.67
	L40MC002	6.28	2.57	2.42	1.02	0.77	0.12	6.47	19.65	7.85	2.63	3.16	1.33	1.41	0.21	8.67	25.26
	L40MC003	7.45	3.06	3.25	1.36	0.95	0.14	7.68	23.89	9.31	3.12	4.24	1.78	1.73	0.26	10.29	30.73

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS								
		DEPR	CFC	FUEL	FOG	TIRE WEAR	RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	RPR	TOTAL RATE		
L40	L40MC004	9.52	3.95	4.28	1.80	1.58	0.24	9.85	31.22	11.91	4.04	5.59	2.35	2.89	0.43	13.20	40.41
	L40MC005	11.81	4.97	5.61	2.36	2.51	0.38	12.26	39.90	14.77	5.08	7.32	3.08	4.60	0.69	16.43	51.97
	L40MC006	14.45	6.01	5.99	2.52	2.51	0.38	14.95	46.81	18.06	6.14	7.82	3.29	4.60	0.69	20.04	60.64
	L40MF001	2.45	1.01	1.33	0.56	0.39	0.06	2.53	8.33	3.07	1.03	1.73	0.73	0.73	0.11	3.39	10.79
	L40MF002	2.75	1.14	1.92	0.81	0.49	0.07	2.84	10.02	3.43	1.16	2.51	1.05	0.92	0.14	3.80	13.01
	L40MF003	2.89	1.21	2.18	0.92	0.62	0.09	3.00	10.91	3.62	1.24	2.85	1.20	1.17	0.18	4.02	14.28
	L40MI001	2.29	0.95	0.77	0.32	0.53	0.08	2.37	7.31	2.86	0.98	1.00	0.42	1.01	0.15	3.17	9.59
	L40MI002	3.37	1.42	1.48	0.62	0.87	0.13	3.50	11.39	4.21	1.45	1.93	0.81	1.67	0.25	4.69	15.01
	L40MI003	3.66	1.53	1.62	0.68	0.87	0.13	3.79	12.28	4.58	1.56	2.12	0.89	1.67	0.25	5.08	16.15
	L40TE001	9.01	3.85	4.72	1.98	2.99	0.45	9.40	32.40	11.27	3.93	6.17	2.59	5.70	0.86	12.59	43.11
	L40TR001	5.12	2.14	2.75	1.15	1.18	0.18	5.31	17.83	6.40	2.19	3.58	1.51	2.26	0.34	7.11	23.39
	L40TR002	5.24	2.19	3.25	1.36	1.18	0.18	5.43	18.83	6.55	2.23	4.24	1.78	2.26	0.34	7.27	24.67
	L40TR003	6.22	2.57	3.51	1.48	1.18	0.18	6.43	21.57	7.78	2.63	4.59	1.93	2.26	0.34	8.61	28.14
	L40TR004	7.87	3.30	5.05	2.12	1.97	0.30	8.16	28.77	9.83	3.37	6.59	2.77	3.76	0.56	10.93	37.81
	L40TR005	9.44	4.03	5.46	2.29	3.14	0.47	9.84	34.67	11.80	4.12	7.13	2.99	5.99	0.90	13.19	46.12
	L40CA007	17.47	7.15	7.97	2.39	6.54	0.98	15.74	58.24	20.96	7.27	10.41	3.12	12.48	1.87	20.25	76.36
	L40CA008	25.71	10.74	11.07	3.32	8.87	1.33	23.25	84.29	30.85	10.93	14.45	4.34	16.94	2.54	29.92	109.97
	L40CA009	51.06	21.77	20.37	6.11	21.69	3.25	46.35	170.60	61.28	22.15	26.59	7.98	41.40	6.21	59.63	225.24
	L40FI007	12.98	5.44	6.79	2.04	6.54	0.98	11.74	46.51	15.57	5.54	8.86	2.66	12.48	1.87	15.11	62.09
	L40FI008	20.27	8.33	10.33	3.10	7.98	1.20	18.28	69.49	24.33	8.47	13.49	4.05	15.24	2.29	23.53	91.40
	L40ID006	18.49	7.54	9.30	2.79	6.54	0.98	16.65	62.29	22.19	7.67	12.14	3.64	12.48	1.87	21.43	81.42
	L40ID007	26.69	10.77	12.25	3.68	7.98	1.20	23.99	86.56	32.02	10.96	15.99	4.80	15.24	2.29	30.87	112.17
	L40ID008	47.62	19.54	17.42	5.23	13.20	1.98	42.94	147.93	57.14	19.88	22.74	6.82	25.19	3.78	55.25	190.80
	L40ID009	106.20	43.66	32.47	9.74	30.15	4.52	95.79	322.53	127.44	44.42	42.39	12.72	57.56	8.63	123.24	416.40
	L40JD005	12.70	5.33	7.68	2.30	6.54	0.98	11.49	47.02	15.23	5.43	10.02	3.01	12.48	1.87	14.79	62.83
	L40KA004	11.85	4.79	6.67	2.00	3.60	0.54	10.66	40.11	14.23	4.87	8.71	2.61	6.87	1.03	13.72	52.04
	L40KA005	15.79	6.51	9.15	2.75	6.54	0.98	14.25	55.97	18.95	6.63	11.95	3.58	12.48	1.87	18.34	73.80
	L40KA006	24.41	10.09	11.31	3.39	7.40	1.11	22.04	79.75	29.30	10.26	14.76	4.43	14.12	2.12	28.36	103.35
	L40MC007	15.16	6.27	7.44	2.23	5.23	0.78	13.69	50.80	18.19	6.38	9.71	2.91	9.59	1.44	17.61	65.83
	L40MC008	17.32	7.30	8.56	2.57	5.25	0.79	15.69	57.48	20.78	7.42	11.18	3.35	9.62	1.44	20.18	73.97
	L40MC009	26.03	10.67	10.63	3.19	5.65	0.85	23.47	80.49	31.24	10.85	13.87	4.16	10.36	1.55	30.19	102.22
	L40MC010	28.04	11.63	12.31	3.69	7.10	1.07	25.33	89.17	33.65	11.83	16.07	4.82	13.01	1.95	32.59	113.92
	L40MC011	47.31	20.34	19.19	5.76	17.35	2.60	43.01	155.56	56.77	20.70	25.05	7.52	31.81	4.77	55.33	201.95
	L40MC012	52.01	22.13	20.04	6.01	17.35	2.60	47.19	167.33	62.41	22.51	26.17	7.85	31.81	4.77	60.71	216.23
	L40TE002	12.82	5.12	7.29	2.19	3.14	0.47	11.50	42.53	15.38	5.21	9.52	2.86	5.99	0.90	14.80	54.66
	L40TE003	17.65	7.22	9.30	2.79	6.54	0.98	15.90	60.38	21.18	7.34	12.14	3.64	12.48	1.87	20.46	79.11
	L40TE004	22.93	9.52	11.45	3.44	7.40	1.11	20.72	76.57	27.52	9.69	14.95	4.49	14.12	2.12	26.66	99.55
	L40TE005	26.82	11.16	13.58	4.07	8.87	1.33	24.24	90.07	32.19	11.36	17.73	5.32	16.94	2.54	31.19	117.27
	L40TR006	11.63	4.70	6.82	2.05	3.60	0.54	10.46	39.80	13.95	4.78	8.90	2.67	6.87	1.03	13.46	51.66
	L40TR007	15.85	6.54	8.68	2.60	6.54	0.98	14.31	55.50	19.02	6.65	11.33	3.40	12.48	1.87	18.41	73.16
	L40TR008	20.80	8.66	11.81	3.54	6.87	1.03	18.80	71.51	24.96	8.81	15.42	4.62	13.11	1.97	24.19	93.08

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. 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		
L40	L40ME001	0.72	0.20	1.41	0.45	0.11	0.02	0.74	3.65								
	L40ME002	1.12	0.31	0.48	0.20	0.11	0.02	1.15	3.39								
	L40ME003	1.45	0.39	0.70	0.30	0.09	0.01	1.48	4.42								
	L40ME004	1.39	0.38	2.81	0.90	0.11	0.02	1.42	7.03								
	L40ME005	1.68	0.45	0.90	0.38	0.11	0.02	1.72	5.26								
	L40ME006	1.82	0.49	2.99	0.96	0.11	0.02	1.86	8.25								
	L40ME007	1.95	0.53	1.15	0.48	0.11	0.02	1.99	6.23								
	L40ME008	2.45	0.68	1.73	0.73	0.35	0.05	2.51	8.50								
	L40ME009	3.08	0.85	2.37	0.99	0.39	0.06	3.16	10.90								
	L40ME010	4.35	1.25	2.49	1.05	1.15	0.17	4.49	14.95								
	L40ME011	4.44	1.27	2.62	1.10	1.15	0.17	4.57	15.32								
	L40CA010	4.70	1.94	1.92	0.81	0.87	0.13	5.20	15.57								
	L40CA011	6.00	2.47	2.80	1.18	0.96	0.14	6.64	20.19								
	L40CA012	6.80	2.78	3.25	1.36	0.96	0.14	7.51	22.80								
L45	L40MC013	20.41	8.27	7.44	2.23	5.23	0.78	19.69	64.05								
										24.49	8.41	9.71	2.91	9.59	1.44	25.19	81.74
L50	L45CA001	5.74	2.04	2.14	0.81	0.00	0.00	10.43	21.16								
										7.17	2.09	2.80	1.06	0.00	0.00	13.51	26.63
	L50CA001	3.72	1.53	1.83	0.59	0.53	0.08	4.39	12.67								
	L50CA002	4.17	1.71	2.07	0.66	0.53	0.08	4.91	14.13								
	L50CA003	4.38	1.81	2.27	0.73	0.63	0.09	5.16	15.07								
	L50CS001	2.55	1.06	1.86	0.60	0.39	0.06	3.01	9.53								
	L50CS002	3.42	1.42	1.86	0.60	0.53	0.08	4.04	11.95								
	L50CS003	5.56	2.28	2.66	0.85	0.68	0.10	6.55	18.68								
	L50CS004	6.24	2.57	3.31	1.06	0.85	0.13	7.36	21.52								
	L50FN001	2.62	1.09	1.42	0.45	0.45	0.07	3.10	9.20								
	L50FN002	2.95	1.21	1.42	0.45	0.33	0.05	3.48	9.89								
	L50FN003	3.10	1.29	1.77	0.57	0.49	0.07	3.67	10.96								
	L50FN004	3.49	1.44	1.86	0.60	0.49	0.07	4.12	12.07								
	L50FN005	3.87	1.61	2.13	0.68	0.61	0.09	4.58	13.57								
	L50FN006	5.63	2.30	2.95	0.94	0.63	0.09	6.62	19.16								
	L50JD001	2.95	1.22	1.92	0.61	0.47	0.07	3.48	10.72								
	L50JD002	3.53	1.46	2.21	0.71	0.55	0.08	4.17	12.71								
	L50JD003	4.24	1.75	2.51	0.80	0.63	0.09	5.01	15.03								
	L50JD004	4.78	1.97	2.80	0.90	0.68	0.10	5.64	16.87								
	L50JD005	5.98	2.49	2.95	0.94	1.07	0.16	7.07	20.66								
	L50MF001	3.68	1.51	1.92	0.61	0.42	0.06	4.34	12.54								
	L50MF002	3.75	1.54	2.18	0.70	0.42	0.06	4.42	13.07								
	L50MF003	4.14	1.71	2.18	0.70	0.63	0.09	4.89	14.34								
L55	L55KN001	0.75	0.17	0.00	0.52	0.00	0.00	1.04	2.48								

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS								
		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
L55	L55KN002	1.54	0.35	0.00	1.06	0.00	0.00	2.12	5.07								
	L55KN003	3.17	0.72	0.00	2.01	0.00	0.00	4.36	10.26								
	L55KN004	0.64	0.15	0.00	0.25	0.00	0.00	0.88	1.92								
	L55KN005	1.27	0.29	0.00	0.37	0.00	0.00	1.75	3.68								
L60	L60CA001	6.06	2.10	2.80	0.79	1.90	0.29	6.13	20.07	7.57	2.16	3.66	1.03	3.97	0.60	8.15	27.14
	L60CA002	7.33	2.51	2.80	0.79	1.90	0.29	7.40	23.02	9.16	2.58	3.66	1.03	3.97	0.60	9.84	30.84
	L60CA003	6.98	2.40	3.54	0.99	1.90	0.29	7.06	23.16	8.72	2.46	4.62	1.29	3.97	0.60	9.37	31.03
	L60CA004	8.81	2.98	3.84	1.07	1.90	0.29	8.88	27.77	11.01	3.06	5.01	1.40	3.97	0.60	11.80	36.85
	L60CA005	9.80	3.42	5.17	1.45	3.37	0.51	9.93	33.65	12.25	3.51	6.74	1.89	7.05	1.06	13.20	45.70
	L60CA006	9.76	3.36	3.84	1.07	2.72	0.41	9.86	31.02	12.19	3.45	5.01	1.40	5.70	0.86	13.11	41.72
	L60CA007	23.05	7.40	3.99	1.12	0.00	0.00	23.05	58.61	28.81	7.60	5.20	1.46	0.00	0.00	30.62	73.69
	L60JD001	6.18	2.10	2.95	0.83	1.36	0.20	6.24	19.86	7.73	2.15	3.85	1.08	2.86	0.43	8.29	26.39
	L60JD002	6.45	2.35	3.54	0.99	3.37	0.51	6.58	23.79	8.06	2.41	4.62	1.29	7.05	1.06	8.75	33.24
	L60JD003	6.89	2.33	2.95	0.83	1.36	0.20	6.95	21.51	8.62	2.39	3.85	1.08	2.86	0.43	9.23	28.46
	L60JD004	7.44	2.67	3.54	0.99	3.37	0.51	7.57	26.09	9.30	2.74	4.62	1.29	7.05	1.06	10.06	36.12
	L60JD005	10.19	3.86	4.66	1.31	7.08	1.06	10.48	38.64	12.74	3.96	6.09	1.71	14.83	2.22	13.92	55.47
	L60JD006	8.66	3.06	4.28	1.20	3.37	0.51	8.80	29.88	10.83	3.14	5.59	1.56	7.05	1.06	11.69	40.92
	L60RN001	6.30	2.13	3.07	0.86	1.09	0.16	6.35	19.96	7.87	2.19	4.01	1.12	2.22	0.33	8.44	26.18
	L60RN002	6.82	2.47	3.90	1.09	2.70	0.41	6.95	24.34	8.52	2.53	5.09	1.42	5.47	0.82	9.24	33.09
	L60RN003	7.98	2.84	4.69	1.31	2.70	0.41	8.12	28.05	9.98	2.92	6.13	1.72	5.47	0.82	10.79	37.83
	L60RN004	9.40	3.81	6.41	1.79	7.67	1.15	9.79	40.02	11.75	3.91	8.36	2.34	15.58	2.34	13.01	57.29
P10	P10IC001	8.01	2.50	4.58	1.46	0.00	0.00	11.12	27.67								
	P10IC002	13.00	4.05	7.38	2.36	0.00	0.00	18.03	44.82								
	P10IC003	14.72	4.59	7.38	2.36	0.00	0.00	20.43	49.48								
	P10IC004	20.77	6.48	14.85	4.75	0.00	0.00	28.82	75.67								
	P10IC005	33.64	10.49	19.19	6.14	0.00	0.00	46.68	116.14								
	P10XX001	1.29	0.40	0.00	1.00	0.00	0.00	1.79	4.48								
	P10XX002	1.58	0.49	0.00	2.00	0.00	0.00	2.19	6.26								
	P10XX003	2.62	0.82	0.00	3.00	0.00	0.00	3.64	10.08								
P20	P20IC001	4.36	1.36	0.68	0.22	0.00	0.00	8.32	14.94								
	P20IC002	6.93	2.16	1.48	0.47	0.00	0.00	13.22	24.26								
	P20IC003	7.55	2.36	2.24	0.72	0.00	0.00	14.41	27.28								
	P20IC004	7.99	2.49	2.66	0.85	0.00	0.00	15.24	29.23								
	P20IC005	11.09	3.46	3.93	1.26	0.00	0.00	21.16	40.90								
	P20IC006	12.42	3.87	4.01	1.28	0.00	0.00	23.71	45.29								
	P20MK001	5.01	1.56	0.00	0.32	0.00	0.00	9.56	16.45								
	P20MK002	1.54	0.48	0.00	0.25	0.00	0.00	2.94	5.21								
	P20MK003	1.96	0.61	0.00	0.34	0.00	0.00	3.74	6.65								

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS								
		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
P20	P20MK004	2.44	0.76	0.00	0.45	0.00	0.00	4.65	8.30								
	P20MK005	4.33	1.35	0.00	0.51	0.00	0.00	8.26	14.45								
	P20MK006	4.51	1.41	0.00	0.66	0.00	0.00	8.61	15.19								
	P20MK007	5.19	1.62	0.00	0.66	0.00	0.00	9.91	17.38								
	P20VU001	5.61	1.75	0.00	0.68	0.00	0.00	10.70	18.74								
	P20VU002	6.41	2.00	0.00	0.80	0.00	0.00	12.22	21.43								
	P20VU003	6.89	2.15	0.00	0.95	0.00	0.00	13.15	23.14								
	P20VU004	8.45	2.64	0.00	1.12	0.00	0.00	16.13	28.34								
	P20VU005	10.40	3.24	0.00	1.17	0.00	0.00	19.85	34.66								
	P20VU006	14.98	4.67	0.00	1.39	0.00	0.00	28.58	49.62								
P25	P25MK001	5.53	1.72	0.00	0.32	0.00	0.00	9.59	17.16								
	P25MK002	6.35	1.98	0.00	0.51	0.00	0.00	11.01	19.85								
	P25MK003	6.73	2.72	0.00	0.61	0.00	0.00	15.15	27.21								
	P25VU001	4.14	1.29	0.00	0.45	0.00	0.00	7.17	13.05								
	P25VU002	4.90	1.53	0.00	0.51	0.00	0.00	8.49	15.43								
	P25VU003	5.94	1.85	0.00	0.61	0.00	0.00	10.30	18.70								
	P25VU004	6.29	1.96	0.00	0.75	0.00	0.00	10.91	19.91								
	P25VU005	7.09	2.21	0.00	0.65	0.00	0.00	12.30	22.25								
	P25VU006	8.58	2.68	0.00	0.95	0.00	0.00	14.88	27.09								
	P25VU007	9.66	3.01	0.00	0.95	0.00	0.00	16.77	30.39								
	P25VU008	12.70	3.96	0.00	1.17	0.00	0.00	22.03	39.86								
	P25VU009	14.41	4.49	0.00	1.28	0.00	0.00	25.00	45.18								
P30	P30MK001	8.15	2.54	3.34	1.07	0.00	0.00	14.14	29.24								
	P30MK002	15.71	4.90	8.27	2.64	0.00	0.00	27.26	58.78								
	P30MK003	18.95	5.91	10.33	3.31	0.00	0.00	32.87	71.37								
	P30MK004	24.69	7.70	16.24	5.20	0.00	0.00	42.83	96.66								
	P30MK005	27.67	8.63	19.19	6.14	0.00	0.00	48.00	109.63								
P35	P35CA001	9.06	4.24	1.72	0.69	0.00	0.00	13.87	29.58	10.87	4.30	2.15	0.86	0.00	0.00	18.23	36.41
	P35CA002	14.53	6.79	3.28	1.31	0.00	0.00	22.25	48.16	17.44	6.89	4.10	1.64	0.00	0.00	29.24	59.31
	P35CA003	15.76	7.37	3.28	1.31	0.00	0.00	24.12	51.84	18.91	7.47	4.10	1.64	0.00	0.00	31.70	63.82
	P35CA004	20.84	9.74	4.92	1.97	0.00	0.00	31.90	69.37	25.01	9.89	6.15	2.46	0.00	0.00	41.93	85.44
P40	P40GV001	2.75	0.85	1.46	0.47	0.24	0.04	3.18	8.99								
	P40GV002	3.04	0.94	1.90	0.61	0.26	0.04	3.52	10.31								
	P40GV003	3.89	1.20	1.90	0.61	0.26	0.04	4.49	12.39								
	P40GV004	6.41	1.93	1.90	1.21	0.18	0.03	7.36	19.02								
	P40GV005	9.02	2.90	3.93	2.01	1.44	0.22	10.53	30.05								
	P40GV006	11.23	3.52	3.93	1.86	1.20	0.18	13.02	34.94								

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS						
		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RPR	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RPR
P40	P40GV007	13.76	4.26	3.93	1.86	1.08	0.16	15.91	40.96						
	P40GV008	19.58	5.98	3.93	1.96	1.08	0.16	22.57	55.26						
	P40GV009	4.48	1.35	1.27	1.01	0.15	0.02	5.15	13.43						
	P40GV010	5.57	1.67	2.09	1.27	0.15	0.02	6.40	17.17						
	P40GV011	9.99	3.04	3.36	1.68	0.52	0.08	11.51	30.18						
	P40RE001	6.46	1.95	10.47	3.85	0.18	0.03	7.42	30.36						
P45	P45CG001	0.29	0.08	0.00	0.05	0.00	0.00	0.38	0.80						
	P45CG002	0.52	0.14	0.00	0.10	0.00	0.00	0.67	1.43						
	P45CG003	1.38	0.37	0.00	0.15	0.00	0.00	1.77	3.67						
	P45CG004	2.48	0.66	0.00	0.31	0.00	0.00	3.19	6.64						
	P45CG005	2.65	0.71	0.96	0.27	0.03	0.00	3.42	8.04						
P50	P50HO001	0.10	0.03	0.57	0.18	0.00	0.00	0.14	1.02						
	P50HO002	0.17	0.05	0.25	0.09	0.00	0.00	0.22	0.78						
	P50HO003	0.12	0.04	0.91	0.29	0.00	0.00	0.16	1.52						
	P50HO004	0.26	0.08	0.33	0.12	0.00	0.00	0.35	1.14						
	P50HO005	0.27	0.09	1.82	0.58	0.00	0.00	0.36	3.12						
	P50WC001	0.10	0.03	0.57	0.18	0.00	0.00	0.13	1.01						
	P50WC002	0.12	0.04	0.91	0.29	0.00	0.00	0.16	1.52						
	P50WC003	0.49	0.16	0.49	0.19	0.00	0.00	0.65	1.98						
	P50WC004	1.13	0.37	1.44	0.55	0.00	0.00	1.50	4.99						
P55	P55GR001	0.14	0.05	0.08	0.04	0.00	0.00	0.12	0.43						
	P55GR002	0.19	0.07	0.20	0.09	0.00	0.00	0.16	0.71						
	P55GR003	0.74	0.30	1.01	0.46	0.00	0.00	0.66	3.17						
	P55GR004	0.95	0.38	2.43	1.09	0.00	0.00	0.84	5.69						
	P55ML001	0.10	0.04	0.04	0.02	0.00	0.00	0.09	0.29						
	P55ML002	0.14	0.06	0.08	0.04	0.00	0.00	0.13	0.45						
	P55ML003	0.19	0.08	0.32	0.15	0.00	0.00	0.17	0.91						
	P55WC001	0.21	0.08	0.12	0.34	0.00	0.00	0.19	0.94						
	P55WC002	0.25	0.10	0.24	0.46	0.00	0.00	0.22	1.27						
P60	P55WC003	0.27	0.11	0.45	0.57	0.00	0.00	0.24	1.64						
	P60HO001	0.05	0.02	0.34	0.11	0.00	0.00	0.06	0.58						
	P60HO002	0.06	0.02	0.34	0.11	0.00	0.00	0.08	0.61						
	P60HO003	0.11	0.04	0.91	0.29	0.00	0.00	0.14	1.49						
	P60ML001	0.95	0.31	4.31	1.38	0.00	0.00	1.26	8.21						
	P60ML002	1.01	0.33	1.23	0.47	0.00	0.00	1.34	4.38						
P60	P60ML003	1.42	0.46	8.96	2.87	0.00	0.00	1.89	15.60						
	P60ML004	1.84	0.60	2.46	0.93	0.00	0.00	2.44	8.27						

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. 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	
P60	P60ML005	2.37	0.77	2.87	1.09	0.00	0.00	3.15	10.25							
	P60ML006	2.46	0.80	2.79	1.06	0.00	0.00	3.27	10.38							
P65	P65HO001	0.10	0.03	0.34	0.11	0.00	0.00	0.13	0.71							
	P65HO002	0.12	0.04	0.34	0.11	0.00	0.00	0.16	0.77							
P70	P70AD001	0.09	0.03	0.23	0.07	0.00	0.00	0.11	0.53							
R10	R10CA001	0.32	0.09	0.00	0.08	0.00	0.00	0.39	0.88	0.40	0.10	0.00	0.08	0.00	0.54	1.12
	R10CA002	0.02	0.01	0.00	0.00	0.00	0.00	0.02	0.05	0.02	0.01	0.00	0.00	0.00	0.03	0.06
R10	R10CA003	0.60	0.17	0.00	0.08	0.00	0.00	0.73	1.58	0.73	0.18	0.00	0.08	0.00	1.00	1.99
	R10CA004	0.04	0.01	0.00	0.00	0.00	0.00	0.04	0.09	0.04	0.01	0.00	0.00	0.00	0.06	0.11
R10	R10CA005	0.97	0.28	0.00	0.08	0.00	0.00	1.19	2.52	1.20	0.29	0.00	0.08	0.00	1.63	3.20
	R10CA006	0.07	0.02	0.00	0.00	0.00	0.00	0.09	0.18	0.09	0.02	0.00	0.00	0.00	0.12	0.23
R10	R10CA007	1.34	0.39	0.00	0.08	0.00	0.00	1.64	3.45	1.65	0.40	0.00	0.08	0.00	2.24	4.37
	R10CA008	0.07	0.02	0.00	0.00	0.00	0.00	0.09	0.18	0.09	0.02	0.00	0.00	0.00	0.12	0.23
R10	R10CA009	2.20	0.64	0.00	0.08	0.00	0.00	2.69	5.61	2.70	0.66	0.00	0.08	0.00	3.68	7.12
	R10CA010	0.12	0.03	0.00	0.00	0.00	0.00	0.15	0.30	0.15	0.04	0.00	0.00	0.00	0.20	0.39
R10	R10CA011	3.63	1.06	0.00	0.10	0.00	0.00	4.45	9.24	4.47	1.09	0.00	0.10	0.00	6.08	11.74
	R10CA012	3.60	1.05	0.00	0.10	0.00	0.00	4.40	9.15	4.43	1.08	0.00	0.10	0.00	6.02	11.63
R10	R10CA013	0.23	0.07	0.00	0.00	0.00	0.00	0.28	0.58	0.29	0.07	0.00	0.00	0.00	0.39	0.75
	R10CA014	4.09	1.20	0.00	0.16	0.00	0.00	5.01	10.46	5.04	1.23	0.00	0.16	0.00	6.85	13.28
R10	R10CA015	3.89	1.14	0.00	0.16	0.00	0.00	4.76	9.95	4.78	1.17	0.00	0.16	0.00	6.50	12.61
	R10CA016	0.25	0.07	0.00	0.00	0.00	0.00	0.31	0.63	0.31	0.07	0.00	0.00	0.00	0.42	0.80
R10	R10CA017	5.75	1.68	0.00	0.21	0.00	0.00	7.04	14.68	7.08	1.73	0.00	0.21	0.00	9.62	18.64
	R10CA018	5.85	1.71	0.00	0.22	0.00	0.00	7.16	14.94	7.20	1.76	0.00	0.22	0.00	9.79	18.97
R10	R10CA019	0.41	0.12	0.00	0.00	0.00	0.00	0.50	1.03	0.50	0.12	0.00	0.00	0.00	0.69	1.31
	R10CA020	7.69	2.25	0.00	0.23	0.00	0.00	9.42	19.59	9.47	2.31	0.00	0.23	0.00	12.88	24.89
R10	R10CA021	7.25	2.12	0.00	0.25	0.00	0.00	8.87	18.49	8.92	2.17	0.00	0.25	0.00	12.13	23.47
	R10CA022	0.46	0.13	0.00	0.00	0.00	0.00	0.56	1.15	0.57	0.14	0.00	0.00	0.00	0.77	1.48
R10	R10FI001	2.16	0.63	0.00	0.09	0.00	0.00	2.65	5.53	2.66	0.65	0.00	0.09	0.00	3.62	7.02
	R10FI002	3.57	1.04	0.00	0.10	0.00	0.00	4.37	9.08	4.40	1.07	0.00	0.10	0.00	5.98	11.55
R10	R10FI003	4.46	1.30	0.00	0.10	0.00	0.00	5.45	11.31	5.48	1.34	0.00	0.10	0.00	7.46	14.38
	R10FI004	4.54	1.33	0.00	0.20	0.00	0.00	5.56	11.63	5.59	1.36	0.00	0.20	0.00	7.60	14.75
R10	R10FI005	5.74	1.68	0.00	0.20	0.00	0.00	7.03	14.65	7.07	1.72	0.00	0.20	0.00	9.61	18.60
	R10FI006	5.58	1.63	0.00	0.28	0.00	0.00	6.83	14.32	6.87	1.67	0.00	0.28	0.00	9.34	18.16
R15	R15SO001	5.67	2.54	0.00	0.40	2.17	0.33	5.60	16.71							
	R15SO002	5.97	2.80	0.00	0.45	2.82	0.42	5.97	18.43							
R30	R15SO003	8.95	3.94	0.00	0.67	3.16	0.47	8.81	26.00							

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID.	NO.	AVERAGE CONDITIONS						SEVERE CONDITIONS									
			DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
R30	R30BO001		3.70	1.16	2.15	0.52	0.59	0.09	3.52	11.73								
	R30BO002		7.62	2.37	3.04	0.73	1.14	0.17	7.25	22.32								
	R30BO003		8.13	2.52	3.04	0.73	1.14	0.17	7.72	23.45								
	R30CA001		5.14	1.59	2.27	0.55	0.79	0.12	4.88	15.34								
	R30CA002		5.32	1.63	2.27	0.55	0.65	0.10	5.04	15.56								
	R30FR001		4.10	1.27	2.51	0.60	0.57	0.09	3.90	13.04								
	R30FR002		4.60	1.42	2.51	0.60	0.57	0.09	4.36	14.15								
	R30FR003		5.39	1.67	2.51	0.60	0.72	0.11	5.12	16.12								
	R30FR004		8.73	2.72	3.57	0.86	1.34	0.20	8.31	25.73								
	R30HY001		4.55	1.40	2.39	0.57	0.57	0.09	4.32	13.89								
	R30IG001		3.40	1.07	2.24	0.54	0.57	0.09	3.24	11.15								
	R30IG002		4.06	1.26	2.24	0.54	0.57	0.09	3.86	12.62								
	R30IG003		4.30	1.35	2.36	0.57	0.72	0.11	4.10	13.51								
	R30IG004		4.43	1.41	2.36	0.57	0.83	0.12	4.23	13.95								
	R30IG005		8.17	2.58	3.39	0.81	1.48	0.22	7.80	24.45								
	R30IG006		8.60	2.71	4.63	1.11	1.48	0.22	8.20	26.95								
	R30IN001		4.15	1.29	2.24	0.54	0.60	0.09	3.94	12.85								
	R30IN002		5.36	1.64	2.57	0.62	0.60	0.09	5.07	15.95								
	R30FR005		2.62	0.93	1.48	0.35	0.00	0.00	2.80	8.18								
	R30FR006		3.11	1.10	1.48	0.35	0.00	0.00	3.32	9.36								
	R30FR007		4.61	1.64	2.51	0.60	0.00	0.00	4.93	14.29								
	R30FR008		4.82	1.71	2.51	0.60	0.00	0.00	5.16	14.80								
	R30FR009		5.06	1.80	2.51	0.60	0.00	0.00	5.41	15.38								
	R30FR010		5.28	1.87	2.51	0.60	0.00	0.00	5.64	15.90								
	R30HY002		2.95	1.05	1.42	0.34	0.00	0.00	3.16	8.92								
	R30HY003		3.50	1.24	1.42	0.34	0.00	0.00	3.74	10.24								
	R30HY004		4.30	1.53	2.36	0.57	0.00	0.00	4.60	13.36								
	R30HY005		4.59	1.63	2.36	0.57	0.00	0.00	4.91	14.06								
	R30HY006		5.12	1.82	2.36	0.57	0.00	0.00	5.47	15.34								
	R30HY007		5.42	1.92	2.36	0.57	0.00	0.00	5.79	16.06								
	R30ID001		2.89	1.03	1.30	0.31	0.00	0.00	3.09	8.62								
	R30ID002		3.49	1.24	1.30	0.31	0.00	0.00	3.74	10.08								
	R30ID003		4.65	1.65	2.57	0.62	0.00	0.00	4.97	14.46								
	R30ID004		4.96	1.76	2.57	0.62	0.00	0.00	5.31	15.22								
	R30ID005		5.27	1.87	2.57	0.62	0.00	0.00	5.64	15.97								
	R30ID006		5.61	1.99	2.57	0.62	0.00	0.00	6.00	16.79								
	R30IG007		4.51	1.60	2.24	0.54	0.00	0.00	4.83	13.72								
	R30IG008		4.71	1.67	2.24	0.54	0.00	0.00	5.04	14.20								
	R30IG009		5.05	1.79	2.24	0.54	0.00	0.00	5.40	15.02								
	R30IG010		2.33	0.83	4.41	1.06	0.00	0.00	2.49	11.12								
	R30IG011		2.90	1.03	4.41	1.06	0.00	0.00	3.10	12.50								

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS						SEVERE CONDITIONS								
		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TIRE RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE
R30	R30IG012	3.71	1.32	2.36	0.57	0.00	0.00	3.97	11.93							
	R30IG013	3.93	1.40	2.51	0.60	0.00	0.00	4.21	12.65							
	R30IG014	4.32	1.53	2.36	0.57	0.00	0.00	4.62	13.40							
	R30IG015	4.57	1.62	2.36	0.57	0.00	0.00	4.89	14.01							
	R30RS001	0.54	0.19	1.14	0.27	0.00	0.00	0.58	2.72							
	R30RS002	0.76	0.27	1.47	0.35	0.00	0.00	0.82	3.67							
	R30CA003	15.08	5.35	6.20	1.49	0.00	0.00	16.13	44.25							
	R30CA004	15.04	5.34	6.20	1.49	0.00	0.00	16.09	44.16							
	R30CA005	22.37	7.94	9.15	2.20	0.00	0.00	23.93	65.59							
	R30CA006	23.41	8.31	9.15	2.20	0.00	0.00	25.05	68.12							
	R30CA007	23.66	8.40	9.15	2.20	0.00	0.00	25.31	68.72							
R40	R40CA001	2.20	0.64	1.44	0.46	0.00	0.00	2.35	7.09							
	R40CA002	2.00	0.58	1.44	0.46	0.00	0.00	2.14	6.62							
	R40HY001	2.58	0.75	4.08	1.31	0.00	0.00	2.76	11.48							
	R40HY002	3.18	0.92	4.08	1.31	0.00	0.00	3.40	12.89							
	R40HY003	3.16	0.92	1.48	0.47	0.00	0.00	3.39	9.42							
	R40HY004	3.76	1.09	1.48	0.47	0.00	0.00	4.02	10.82							
	R40SO001	11.15	3.24	2.05	0.66	0.00	0.00	11.92	29.02							
	R40SO002	11.72	3.40	3.08	0.98	0.00	0.00	12.54	31.72							
R45	R45BO001	3.31	0.96	1.44	0.46	0.00	0.00	4.87	11.04							
	R45BO002	7.10	2.06	3.03	0.97	0.00	0.00	10.45	23.61							
	R45BO003	8.41	2.44	3.03	0.97	0.00	0.00	12.37	27.22							
	R45BO004	9.21	2.68	4.18	1.34	0.00	0.00	13.56	30.97							
	R45BO005	9.73	2.83	4.18	1.34	0.00	0.00	14.32	32.40							
	R45CA001	2.73	0.79	1.35	0.43	0.00	0.00	4.01	9.31							
	R45CA002	3.22	0.93	1.35	0.43	0.00	0.00	4.74	10.67							
	R45CA003	3.70	1.07	2.26	0.72	0.00	0.00	5.44	13.19							
	R45CA004	7.66	2.23	2.87	0.92	0.00	0.00	11.28	24.96							
	R45CA005	7.55	2.19	3.28	1.05	0.00	0.00	11.11	25.18							
	R45CA006	9.63	2.80	3.73	1.19	0.00	0.00	14.17	31.52							
	R45CA007	9.56	2.78	5.13	1.64	0.00	0.00	14.07	33.18							
	R45CA008	11.63	3.38	6.36	2.03	0.00	0.00	17.12	40.52							
	R45DY001	3.65	1.06	1.27	0.41	0.00	0.00	5.38	11.77							
	R45DY002	8.92	2.59	2.95	0.94	0.00	0.00	13.12	28.52							
	R45DY003	11.06	3.21	5.04	1.61	0.00	0.00	16.27	37.19							
	R45DY004	16.23	4.71	8.61	2.76	0.00	0.00	23.88	56.19							
	R45DY005	14.94	4.34	6.31	2.02	0.00	0.00	21.99	49.60							
	R45HY001	9.43	2.74	5.33	1.71	0.00	0.00	13.88	33.09							
	R45HY002	9.47	2.75	4.18	1.34	0.00	0.00	13.94	31.68							

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS						
		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RPR	TIRE WEAR	TIRE RPR	FUEL	CFC	DEPR	TOTAL RPR	
R45	R45ID001	4.03	1.17	1.68	0.54	0.00	0.00	5.93	13.35						
	R45ID002	4.66	1.35	1.68	0.54	0.00	0.00	6.86	15.09						
	R45ID003	10.52	3.05	4.92	1.57	0.00	0.00	15.48	35.54						
	R45IN001	2.99	0.87	1.27	0.41	0.00	0.00	4.40	9.94						
	R45IN002	3.37	0.98	1.27	0.41	0.00	0.00	4.96	10.99						
	R45IN003	3.70	1.07	1.31	0.42	0.00	0.00	5.44	11.94						
	R45IN004	8.19	2.38	2.87	0.92	0.00	0.00	12.05	26.41						
	R45IN005	10.08	2.93	4.59	1.47	0.00	0.00	14.83	33.90						
	R45IN006	10.26	2.98	4.72	1.51	0.00	0.00	15.10	34.57						
	R45IN007	14.03	4.08	6.40	2.05	0.00	0.00	20.65	47.21						
	R45RS001	1.08	0.31	2.04	0.65	0.00	0.00	1.59	5.67						
	R45RS002	2.49	0.72	1.23	0.39	0.00	0.00	3.66	8.49						
	R45TA001	7.32	2.13	3.20	1.02	0.00	0.00	10.77	24.44						
	R45TA002	9.09	2.64	4.18	1.34	0.00	0.00	13.37	30.62						
R50	R50BO001	6.74	1.99	2.09	0.67	0.23	0.03	9.04	20.79						
	R50BO002	6.62	1.96	2.91	0.93	0.25	0.04	8.89	21.60						
	R50BO003	9.41	2.80	4.88	1.56	0.55	0.08	12.65	31.93						
	R50BO004	13.73	4.06	7.63	2.44	0.55	0.08	18.43	46.92						
	R50CA001	5.76	1.69	3.16	1.01	0.13	0.02	7.72	19.49						
	R50CA002	6.45	1.89	3.16	1.01	0.13	0.02	8.64	21.30						
	R50CA003	6.42	1.90	4.18	1.34	0.25	0.04	8.62	22.75						
	R50CA004	8.15	2.40	4.18	1.34	0.25	0.04	10.93	27.29						
	R50CA005	7.47	2.20	4.18	1.34	0.25	0.04	10.01	25.49						
	R50CA006	8.69	2.60	6.36	2.03	0.61	0.09	11.69	32.07						
	R50CA007	10.58	3.15	6.36	2.03	0.61	0.09	14.23	37.05						
	R50CA008	9.31	2.78	6.36	2.03	0.61	0.09	12.52	33.70						
	R50CA009	9.51	2.84	5.95	1.90	0.61	0.09	12.79	33.69						
	R50CA010	10.60	3.16	5.95	1.90	0.61	0.09	14.25	36.56						
	R50DY001	8.04	2.37	4.02	1.29	0.24	0.04	10.78	26.78						
	R50DY002	9.20	2.70	4.02	1.29	0.22	0.03	12.33	29.79						
	R50DY003	9.59	2.87	6.19	1.98	0.70	0.11	12.90	34.34						
	R50DY004	11.52	3.42	6.19	1.98	0.61	0.09	15.48	39.29						
	R50DY005	11.61	3.45	6.19	1.98	0.61	0.09	15.60	39.53						
	R50HY001	6.12	1.99	3.28	1.05	1.34	0.20	8.39	22.37						
	R50HY002	6.59	2.13	3.28	1.05	1.34	0.20	9.01	23.60						
	R50HY003	6.81	2.19	3.28	1.05	1.34	0.20	9.31	24.18						
	R50HY004	7.15	2.29	3.28	1.05	1.34	0.20	9.77	25.08						
	R50HY005	5.73	1.88	4.39	1.40	1.70	0.26	7.88	23.24						
	R50HY006	6.69	2.16	3.36	1.08	1.70	0.26	9.15	24.40						
	R50HY007	7.08	2.09	4.39	1.40	0.20	0.03	9.50	24.69						

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS							
		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TIRE RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE
R50	R50HY008	7.61	2.25	4.39	1.40	0.23	0.03	10.22	26.13							
	R50HY009	9.02	2.69	5.95	1.90	0.55	0.08	12.13	32.32							
	R50HY010	9.89	2.94	5.95	1.90	0.44	0.07	13.29	34.48							
	R50HY011	10.33	3.07	5.95	1.90	0.55	0.08	13.88	35.76							
	R50HY012	10.68	3.19	5.95	1.90	0.74	0.11	14.37	36.94							
	R50HY013	11.20	3.32	5.95	1.90	0.44	0.07	15.04	37.92							
	R50ID001	7.43	2.19	3.28	1.05	0.25	0.04	9.96	24.20							
	R50ID002	8.11	2.39	3.28	1.05	0.20	0.03	10.88	25.94							
	R50ID003	8.17	2.40	3.28	1.05	0.24	0.04	10.95	26.13							
	R50ID004	8.97	2.64	3.28	1.05	0.20	0.03	12.03	28.20							
	R50ID005	8.93	2.63	4.92	1.57	0.28	0.04	11.97	30.34							
	R50ID006	9.69	2.88	4.92	1.57	0.52	0.08	13.02	32.68							
	R50ID007	9.89	2.91	4.92	1.57	0.22	0.03	13.26	32.80							
	R50ID008	10.51	3.09	4.92	1.57	0.22	0.03	14.09	34.43							
	R50IN001	5.57	1.64	2.21	0.71	0.22	0.03	7.47	17.85							
	R50IN002	5.95	1.76	2.21	0.71	0.22	0.03	7.98	18.86							
	R50TA001	6.46	1.91	3.20	1.02	0.23	0.03	8.67	21.52							
	R50TA002	6.81	2.01	3.20	1.02	0.24	0.04	9.13	22.45							
	R50TA003	7.22	2.13	3.20	1.02	0.23	0.03	9.68	23.51							
	R50TA004	8.69	2.59	5.41	1.73	0.55	0.08	11.68	30.73							
	R50TA005	9.51	2.83	5.41	1.73	0.52	0.08	12.78	32.86							
	R50TA006	9.18	2.74	5.41	1.73	0.55	0.08	12.35	32.04							
	R50TA007	9.88	2.94	5.41	1.73	0.55	0.08	13.28	33.87							
R55	R55AE001	0.90	0.19	0.00	0.50	0.03	0.00	0.93	2.55							
	R55AE002	1.12	0.24	0.00	0.50	0.04	0.01	1.16	3.07							
	R55AE003	1.46	0.32	0.00	0.75	0.08	0.01	1.52	4.14							
	R55AE004	1.76	0.40	0.00	2.00	0.16	0.02	1.84	6.18							
	R55AE005	2.89	0.61	1.74	0.42	0.04	0.01	2.98	8.69							
	R55AE006	3.24	0.68	1.74	0.42	0.04	0.01	3.34	9.47							
	R55AE007	3.64	0.76	1.74	0.42	0.04	0.01	3.75	10.36							
	R55AE008	0.52	0.11	0.61	0.15	0.00	0.00	0.54	1.93							
	R55AE009	0.19	0.04	0.68	0.16	0.00	0.00	0.20	1.27							
	R55AE010	0.33	0.07	1.21	0.29	0.00	0.00	0.34	2.24							
	R55GL001	0.27	0.06	0.00	0.50	0.03	0.00	0.28	1.14							
	R55GL002	0.56	0.12	0.00	0.50	0.03	0.00	0.58	1.79							
	R55GL003	0.80	0.17	0.00	0.75	0.03	0.00	0.83	2.58							
	R55GL004	0.99	0.21	0.00	0.75	0.04	0.01	1.02	3.02							
	R55GL005	3.45	0.72	1.89	0.45	0.00	0.00	3.55	10.06							
	R55GL006	4.14	0.86	1.89	0.45	0.00	0.00	4.27	11.61							
	R55GL007	1.09	0.23	1.36	0.33	0.00	0.00	1.12	4.13							

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. 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		
R55	R55GL008	0.25	0.05	0.30	0.07	0.00	0.00	0.26	0.93								
	R55GL009	0.19	0.04	0.61	0.15	0.00	0.00	0.20	1.19								
	R55GL010	0.32	0.07	1.21	0.29	0.00	0.00	0.33	2.22								
	R55GL011	0.33	0.07	1.21	0.29	0.00	0.00	0.34	2.24								
S10	S10CA001	12.39	4.66	5.31	2.12	2.79	0.42	12.74	40.43	15.48	4.77	6.89	2.76	4.63	0.69	16.99	52.21
	S10ID001	11.64	4.41	5.01	2.00	3.11	0.47	11.99	38.63	14.55	4.52	6.49	2.60	5.16	0.77	15.99	50.08
	S10JD001	10.85	4.11	5.46	2.18	2.74	0.41	11.18	36.93	13.56	4.21	7.08	2.83	4.54	0.68	14.90	47.80
	S10CA002	19.83	6.81	8.04	2.57	5.07	0.76	16.53	59.61	24.79	6.99	10.43	3.34	8.42	1.26	22.24	77.47
	S10CA003	27.70	9.61	11.07	3.54	8.25	1.24	23.13	84.54	34.63	9.86	14.37	4.60	13.70	2.06	31.12	110.34
	S10FI001	16.17	5.62	6.95	2.22	4.94	0.74	13.51	50.15	20.21	5.77	9.01	2.88	8.21	1.23	18.17	65.48
	S10FI002	24.43	8.42	9.86	3.16	6.66	1.00	20.38	73.91	30.53	8.65	12.79	4.09	11.07	1.66	27.42	96.21
	S10JD002	16.23	5.64	8.04	2.57	4.94	0.74	13.55	51.71	20.28	5.79	10.43	3.34	8.21	1.23	18.23	67.51
S15	S15CA001	24.71	8.65	8.93	2.86	8.25	1.24	20.66	75.30	30.89	8.87	11.64	3.72	13.70	2.06	27.81	98.69
	S15CA002	39.26	13.69	12.18	3.90	12.55	1.88	32.81	116.27	49.07	14.05	15.87	5.08	20.84	3.13	44.14	152.18
	S15CA003	51.67	17.93	14.88	4.76	15.45	2.32	43.14	150.15	64.58	18.40	19.39	6.21	25.67	3.85	58.05	196.15
	S15FI001	21.27	7.43	8.93	2.86	6.97	1.05	17.78	66.29	26.58	7.62	11.64	3.72	11.58	1.74	23.92	86.80
	S15KM001	40.61	14.01	12.18	3.90	11.17	1.68	33.87	117.42	50.76	14.38	15.87	5.08	18.55	2.78	45.58	153.00
	S15TE001	38.52	13.53	12.99	4.16	13.52	2.03	32.23	116.98	48.15	13.89	16.92	5.42	22.46	3.37	43.37	153.58
S20	S20CA001	28.71	9.97	12.92	3.36	11.57	1.74	23.98	92.25	35.89	10.24	16.61	4.32	20.09	3.01	32.26	122.42
	S20CA002	30.62	10.59	12.92	3.36	11.57	1.74	25.55	96.35	38.27	10.87	16.61	4.32	20.09	3.01	34.38	127.55
	S20CA003	50.50	17.31	20.09	5.22	16.65	2.50	42.08	154.35	63.12	17.77	25.83	6.72	28.91	4.34	56.62	203.31
	S20CA004	52.71	18.03	20.09	5.22	16.65	2.50	43.90	159.10	65.88	18.50	25.83	6.72	28.91	4.34	59.08	209.26
	S20CA005	63.20	21.65	27.27	7.09	20.50	3.08	52.66	195.45	79.00	22.22	35.06	9.11	35.61	5.34	70.86	257.20
	S20CA006	67.28	22.96	27.27	7.09	20.50	3.08	56.02	204.20	84.10	23.57	35.06	9.11	35.61	5.34	75.38	268.17
	S20KM001	45.26	15.63	22.90	5.95	16.65	2.50	37.76	146.65	56.58	16.04	29.45	7.66	28.91	4.34	50.81	193.79
	S20TE001	24.27	8.42	8.27	2.15	9.54	1.43	20.26	74.34	30.34	8.64	10.63	2.76	16.58	2.49	27.27	98.71
S25	S20TE002	48.66	16.80	21.24	5.52	17.93	2.69	40.59	153.43	60.82	17.24	27.31	7.10	31.15	4.67	54.62	202.91
	S25RM001	5.39	2.51	0.00	1.51	1.76	0.26	5.22	16.65	6.46	2.55	0.00	1.51	2.29	0.34	6.72	19.87
	S25RM002	5.61	2.81	0.00	1.51	3.17	0.48	5.53	19.11	6.73	2.85	0.00	1.51	4.14	0.62	7.12	22.97
S35	S35AR001	0.23	0.07	0.00	0.00	0.00	0.00	0.26	0.56								
	S35AR002	0.38	0.11	0.00	0.00	0.00	0.00	0.42	0.91								
S40	S40BO001	16.53	5.99	10.47	2.93	1.44	0.22	19.10	56.68	20.66	6.13	13.58	3.80	2.47	0.37	26.70	73.71
	S40CA001	15.05	5.51	10.16	2.85	1.26	0.19	17.42	52.44	18.81	5.64	13.19	3.69	1.92	0.29	24.35	67.89
	S40CA002	13.54	4.95	10.16	2.85	1.23	0.18	15.68	48.59	16.93	5.07	13.19	3.69	1.95	0.29	21.91	63.03
S45																	

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS						
		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RPR	TIRE WEAR	TIRE RPR	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RPR
S45	S45DA001	1.29	0.30	0.00	1.10	0.00	0.00	1.78	4.47						
	S45DA002	1.52	0.35	0.00	1.20	0.00	0.00	2.09	5.16						
	S45DA003	1.56	0.36	0.00	1.30	0.00	0.00	2.15	5.37						
T10	T10CA001	0.75	0.27	0.00	0.08	0.00	0.00	0.82	1.92	0.94	0.27	0.00	0.08	0.00	0.00
	T10CA002	0.54	0.19	0.00	0.08	0.00	0.00	0.59	1.40	0.68	0.20	0.00	0.08	0.00	0.00
	T10CA003	0.92	0.33	0.00	0.08	0.00	0.00	1.00	2.33	1.15	0.33	0.00	0.08	0.00	0.00
	T10CA004	0.93	0.33	0.00	0.08	0.00	0.00	1.02	2.36	1.17	0.34	0.00	0.08	0.00	0.00
	T10CA005	1.59	0.57	0.00	0.08	0.00	0.00	1.73	3.97	1.99	0.58	0.00	0.08	0.00	0.00
	T10CA006	1.09	0.39	0.00	0.08	0.00	0.00	1.19	2.75	1.37	0.40	0.00	0.08	0.00	0.00
	T10CA007	1.11	0.40	0.00	0.08	0.00	0.00	1.21	2.80	1.39	0.41	0.00	0.08	0.00	0.00
	T10CA008	1.36	0.49	0.00	0.08	0.00	0.00	1.48	3.41	1.70	0.50	0.00	0.08	0.00	0.00
	T10CA009	1.47	0.52	0.00	0.08	0.00	0.00	1.59	3.66	1.83	0.54	0.00	0.08	0.00	0.00
	T10CA010	1.62	0.58	0.00	0.08	0.00	0.00	1.77	4.05	2.03	0.59	0.00	0.08	0.00	0.00
	T10CA011	1.84	0.66	0.00	0.08	0.00	0.00	2.00	4.58	2.30	0.67	0.00	0.08	0.00	0.00
	T10CA012	2.10	0.75	0.00	0.08	0.00	0.00	2.28	5.21	2.62	0.77	0.00	0.08	0.00	0.00
	T10CA013	2.31	0.82	0.00	0.08	0.00	0.00	2.51	5.72	2.88	0.84	0.00	0.08	0.00	0.00
	T10CA014	2.18	0.78	0.00	0.08	0.00	0.00	2.37	5.41	2.73	0.80	0.00	0.08	0.00	0.00
	T10CA015	2.28	0.81	0.00	0.10	0.00	0.00	2.48	5.67	2.85	0.83	0.00	0.10	0.00	0.00
	T10CA016	2.79	1.00	0.00	0.12	0.00	0.00	3.03	6.94	3.49	1.02	0.00	0.12	0.00	0.00
	T10CA017	2.97	1.06	0.00	0.13	0.00	0.00	3.23	7.39	3.71	1.08	0.00	0.13	0.00	0.00
	T10CA018	2.74	0.98	0.00	0.13	0.00	0.00	2.98	6.83	3.43	1.00	0.00	0.13	0.00	0.00
	T10CA019	0.09	0.03	0.00	0.05	0.00	0.00	0.10	0.27	0.12	0.03	0.00	0.05	0.00	0.00
	T10CA020	2.21	0.79	0.00	0.15	0.00	0.00	2.40	5.55	2.76	0.81	0.00	0.15	0.00	0.00
	T10CA021	3.65	1.30	0.00	0.19	0.00	0.00	3.97	9.11	4.56	1.33	0.00	0.19	0.00	0.00
	T10CA022	3.79	1.35	0.00	0.19	0.00	0.00	4.12	9.45	4.73	1.38	0.00	0.19	0.00	0.00
	T10CA023	2.50	0.89	0.00	0.20	0.00	0.00	2.72	6.31	3.12	0.91	0.00	0.20	0.00	0.00
	T10CA024	5.01	1.79	0.00	0.28	0.00	0.00	5.45	12.53	6.26	1.83	0.00	0.28	0.00	0.00
	T10CA025	5.39	1.92	0.00	0.29	0.00	0.00	5.86	13.46	6.74	1.97	0.00	0.29	0.00	0.00
	T10CA026	7.19	2.57	0.00	0.40	0.00	0.00	7.82	17.98	8.99	2.63	0.00	0.40	0.00	0.00
	T10CA027	7.83	2.79	0.00	0.42	0.00	0.00	8.51	19.55	9.78	2.86	0.00	0.42	0.00	0.00
	T10ID001	1.22	0.44	0.00	0.05	0.00	0.00	1.33	3.04	1.53	0.45	0.00	0.05	0.00	0.00
	T10ID002	1.39	0.50	0.00	0.05	0.00	0.00	1.51	3.45	1.74	0.51	0.00	0.05	0.00	0.00
	T10ID003	2.04	0.73	0.00	0.05	0.00	0.00	2.22	5.04	2.55	0.75	0.00	0.05	0.00	0.00
	T10ID004	2.22	0.79	0.00	0.05	0.00	0.00	2.42	5.48	2.78	0.81	0.00	0.05	0.00	0.00
	T10ID005	2.82	1.01	0.00	0.10	0.00	0.00	3.07	7.00	3.52	1.03	0.00	0.10	0.00	0.00
	T10ID006	3.02	1.08	0.00	0.12	0.00	0.00	3.29	7.51	3.78	1.10	0.00	0.12	0.00	0.00
	T10ID007	2.97	1.06	0.00	0.08	0.00	0.00	3.23	7.34	3.71	1.09	0.00	0.08	0.00	0.00
	T10ID008	3.33	1.19	0.00	0.13	0.00	0.00	3.63	8.28	4.17	1.22	0.00	0.13	0.00	0.00
	T10KM001	0.88	0.31	0.00	0.15	0.00	0.00	0.95	2.29	1.09	0.32	0.00	0.15	0.00	0.00
	T10KM002	0.90	0.32	0.00	0.15	0.00	0.00	0.98	2.35	1.12	0.33	0.00	0.15	0.00	0.00

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS								
		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
T10	T10KM003	0.94	0.33	0.00	0.15	0.00	0.00	1.02	2.44	1.17	0.34	0.00	0.15	0.00	0.00	1.43	3.09
	T10KM004	1.06	0.38	0.00	0.15	0.00	0.00	1.15	2.74	1.32	0.39	0.00	0.15	0.00	0.00	1.61	3.47
	T10KM005	1.29	0.46	0.00	0.18	0.00	0.00	1.40	3.33	1.61	0.47	0.00	0.18	0.00	0.00	1.97	4.23
	T10KM006	1.84	0.66	0.00	0.18	0.00	0.00	2.00	4.68	2.30	0.67	0.00	0.18	0.00	0.00	2.82	5.97
	T10KM007	2.27	0.81	0.00	0.20	0.00	0.00	2.46	5.74	2.83	0.83	0.00	0.20	0.00	0.00	3.47	7.33
	T10KM008	2.22	0.79	0.00	0.25	0.00	0.00	2.41	5.67	2.77	0.81	0.00	0.25	0.00	0.00	3.40	7.23
	T10KM009	2.65	0.95	0.00	0.35	0.00	0.00	2.88	6.83	3.31	0.97	0.00	0.35	0.00	0.00	4.06	8.69
	T10KM010	2.35	0.84	0.00	0.34	0.00	0.00	2.56	6.09	2.94	0.86	0.00	0.34	0.00	0.00	3.60	7.74
	T10KM011	3.43	1.23	0.00	0.40	0.00	0.00	3.73	8.79	4.29	1.25	0.00	0.40	0.00	0.00	5.25	11.19
	T10KM012	3.88	1.38	0.00	0.45	0.00	0.00	4.22	9.93	4.85	1.42	0.00	0.45	0.00	0.00	5.93	12.65
	T10KM013	3.50	1.25	0.00	0.40	0.00	0.00	3.81	8.96	4.37	1.28	0.00	0.40	0.00	0.00	5.35	11.40
	T10KM014	4.59	1.64	0.00	0.64	0.00	0.00	4.99	11.86	5.73	1.68	0.00	0.64	0.00	0.00	7.01	15.06
	T10KM015	3.47	1.24	0.00	0.40	0.00	0.00	3.77	8.88	4.34	1.27	0.00	0.40	0.00	0.00	5.31	11.32
	T10KM016	5.75	2.05	0.00	0.70	0.00	0.00	6.26	14.76	7.19	2.10	0.00	0.70	0.00	0.00	8.80	18.79
T15	T15CA001	3.25	1.29	2.08	0.75	0.00	0.00	5.69	13.06	4.07	1.31	2.72	0.98	0.00	0.00	7.71	16.79
	T15CA002	3.71	1.47	2.08	0.75	0.00	0.00	6.50	14.51	4.64	1.50	2.72	0.98	0.00	0.00	8.80	18.64
	T15CA003	3.51	1.39	2.14	0.77	0.00	0.00	6.14	13.95	4.38	1.42	2.80	1.01	0.00	0.00	8.32	17.93
	T15CA004	4.61	1.82	3.04	1.09	0.00	0.00	8.06	18.62	5.76	1.86	3.97	1.43	0.00	0.00	10.92	23.94
	T15CA005	5.18	2.05	3.04	1.09	0.00	0.00	9.07	20.43	6.48	2.09	3.97	1.43	0.00	0.00	12.28	26.25
	T15CA006	7.58	3.00	3.84	1.38	0.00	0.00	13.27	29.07	9.47	3.06	5.02	1.81	0.00	0.00	17.97	37.33
	T15CA007	8.60	3.40	3.84	1.38	0.00	0.00	15.05	32.27	10.75	3.47	5.02	1.81	0.00	0.00	20.38	41.43
	T15CA008	8.58	3.39	4.48	1.61	0.00	0.00	15.01	33.07	10.72	3.46	5.85	2.11	0.00	0.00	20.33	42.47
	T15CA009	10.01	3.96	5.28	1.90	0.00	0.00	17.53	38.68	12.52	4.04	6.90	2.48	0.00	0.00	23.73	49.67
	T15CA010	10.34	4.09	5.28	1.90	0.00	0.00	18.10	39.71	12.92	4.18	6.90	2.48	0.00	0.00	24.51	50.99
	T15CA011	11.97	4.73	5.28	1.90	0.00	0.00	20.94	44.82	14.96	4.83	6.90	2.48	0.00	0.00	28.36	57.53
	T15CA012	13.42	5.31	6.40	2.30	0.00	0.00	23.49	50.92	16.78	5.42	8.36	3.01	0.00	0.00	31.82	65.39
	T15CA013	15.26	6.03	6.88	2.48	0.00	0.00	26.72	57.37	19.08	6.16	8.99	3.24	0.00	0.00	36.18	73.65
	T15CA014	17.55	6.94	6.88	2.48	0.00	0.00	30.72	64.57	21.94	7.09	8.99	3.24	0.00	0.00	41.60	82.86
	T15CS001	3.63	1.44	2.01	0.73	0.00	0.00	6.36	14.17	4.54	1.47	2.63	0.95	0.00	0.00	8.61	18.20
	T15CS002	5.32	2.10	2.62	0.94	0.00	0.00	9.32	20.30	6.65	2.15	3.43	1.23	0.00	0.00	12.62	26.08
	T15CS003	5.67	2.24	2.62	0.94	0.00	0.00	9.92	21.39	7.08	2.29	3.43	1.23	0.00	0.00	13.43	27.46
	T15CS004	7.48	2.96	3.61	1.30	0.00	0.00	13.09	28.44	9.35	3.02	4.73	1.70	0.00	0.00	17.73	36.53
	T15CS005	8.28	3.27	3.61	1.30	0.00	0.00	14.49	30.95	10.35	3.34	4.73	1.70	0.00	0.00	19.62	39.74
	T15CS006	10.30	4.07	4.48	1.61	0.00	0.00	18.02	38.48	12.87	4.16	5.85	2.11	0.00	0.00	24.41	49.40
	T15FI001	4.21	1.67	2.24	0.81	0.00	0.00	7.38	16.31	5.27	1.70	2.93	1.05	0.00	0.00	9.99	20.94
	T15FI002	4.95	1.96	2.69	0.97	0.00	0.00	8.66	19.23	6.18	2.00	3.51	1.26	0.00	0.00	11.73	24.68
	T15FI003	7.42	2.93	3.42	1.23	0.00	0.00	12.99	27.99	9.28	3.00	4.47	1.61	0.00	0.00	17.59	35.95
	T15FI004	8.50	3.36	3.90	1.40	0.00	0.00	14.88	32.04	10.63	3.43	5.10	1.84	0.00	0.00	20.15	41.15
	T15FI005	9.41	3.72	3.90	1.40	0.00	0.00	16.48	34.91	11.77	3.80	5.10	1.84	0.00	0.00	22.32	44.83
	T15FI006	11.16	4.41	4.80	1.73	0.00	0.00	19.53	41.63	13.95	4.51	6.27	2.26	0.00	0.00	26.45	53.44

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. 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		
T15	T15FI007	12.90	5.10	4.80	1.73	0.00	0.00	22.58	47.11	16.13	5.21	6.27	2.26	0.00	0.00	30.58	60.45
	T15FI008	16.47	6.51	7.13	2.57	0.00	0.00	28.83	61.51	20.59	6.65	9.33	3.36	0.00	0.00	39.04	78.97
	T15ID001	4.38	1.73	2.24	0.81	0.00	0.00	7.68	16.84	5.48	1.77	2.93	1.05	0.00	0.00	10.39	21.62
	T15ID002	5.66	2.24	2.56	0.92	0.00	0.00	9.91	21.29	7.08	2.29	3.35	1.20	0.00	0.00	13.43	27.35
	T15ID003	8.55	3.38	3.52	1.27	0.00	0.00	14.96	31.68	10.68	3.45	4.60	1.66	0.00	0.00	20.26	40.65
	T15ID004	9.46	3.74	4.48	1.61	0.00	0.00	16.56	35.85	11.83	3.82	5.85	2.11	0.00	0.00	22.43	46.04
	T15ID005	15.17	6.00	7.20	2.59	0.00	0.00	26.55	57.51	18.96	6.13	9.41	3.39	0.00	0.00	35.96	73.85
	T15JD001	3.26	1.29	1.92	0.69	0.00	0.00	5.71	12.87	4.08	1.32	2.51	0.90	0.00	0.00	7.74	16.55
	T15JD002	3.79	1.50	2.24	0.81	0.00	0.00	6.63	14.97	4.74	1.53	2.93	1.05	0.00	0.00	8.98	19.23
	T15JD003	4.19	1.66	2.56	0.92	0.00	0.00	7.34	16.67	5.24	1.69	3.35	1.20	0.00	0.00	9.94	21.42
	T15JD004	4.70	1.86	2.88	1.04	0.00	0.00	8.23	18.71	5.88	1.90	3.76	1.35	0.00	0.00	11.15	24.04
	T15JD005	7.10	2.81	3.84	1.38	0.00	0.00	12.42	27.55	8.87	2.87	5.02	1.81	0.00	0.00	16.83	35.40
	T15JD006	7.40	2.93	3.84	1.38	0.00	0.00	12.96	28.51	9.25	2.99	5.02	1.81	0.00	0.00	17.55	36.62
	T15JD007	9.31	3.68	5.28	1.90	0.00	0.00	16.30	36.47	11.64	3.76	6.90	2.48	0.00	0.00	22.07	46.85
	T15JD008	10.41	4.12	5.28	1.90	0.00	0.00	18.22	39.93	13.01	4.20	6.90	2.48	0.00	0.00	24.67	51.26
	T15KM001	4.24	1.68	2.24	0.81	0.00	0.00	7.43	16.40	5.30	1.71	2.93	1.05	0.00	0.00	10.06	21.05
	T15KM002	4.73	1.87	2.40	0.86	0.00	0.00	8.29	18.15	5.92	1.91	3.14	1.13	0.00	0.00	11.22	23.32
	T15KM003	9.61	3.80	4.16	1.50	0.00	0.00	16.83	35.90	12.02	3.88	5.44	1.96	0.00	0.00	22.79	46.09
	T15KM004	10.99	4.35	4.48	1.61	0.00	0.00	19.24	40.67	13.74	4.44	5.85	2.11	0.00	0.00	26.06	52.20
	T15KM005	14.31	5.66	5.76	2.07	0.00	0.00	25.05	52.85	17.89	5.78	7.53	2.71	0.00	0.00	33.92	67.83
	T15KM006	16.57	6.55	6.56	2.36	0.00	0.00	29.01	61.05	20.72	6.69	8.57	3.09	0.00	0.00	39.29	78.36
	T15KM007	17.84	7.05	7.20	2.59	0.00	0.00	31.23	65.91	22.30	7.21	9.41	3.39	0.00	0.00	42.29	84.60
	T15CA015	22.46	8.02	10.71	3.00	0.00	0.00	30.54	74.73	28.07	8.21	14.01	3.92	0.00	0.00	42.00	96.21
	T15CA016	20.72	7.39	9.11	2.55	0.00	0.00	28.18	67.95	25.90	7.57	11.92	3.34	0.00	0.00	38.74	87.47
	T15CA017	26.79	9.56	11.83	3.31	0.00	0.00	36.43	87.92	33.49	9.79	15.47	4.33	0.00	0.00	50.10	113.18
	T15FI009	23.05	8.23	9.59	2.69	0.00	0.00	31.35	74.91	28.82	8.43	12.55	3.51	0.00	0.00	43.11	96.42
	T15FI010	23.93	8.54	10.87	3.04	0.00	0.00	32.55	78.93	29.91	8.75	14.22	3.98	0.00	0.00	44.76	101.62
	T15ID006	22.17	7.91	10.23	2.87	0.00	0.00	30.15	73.33	27.71	8.10	13.38	3.75	0.00	0.00	41.46	94.40
	T15KM008	24.43	8.72	10.23	2.87	0.00	0.00	33.23	79.48	30.54	8.93	13.38	3.75	0.00	0.00	45.70	102.30
	T15KM009	35.45	12.65	12.92	3.62	0.00	0.00	48.22	112.86	44.31	12.96	16.90	4.73	0.00	0.00	66.30	145.20
	T15CA018	31.23	11.88	16.63	3.99	0.00	0.00	43.72	107.45	37.47	12.09	21.75	5.22	0.00	0.00	57.23	133.76
	T15CA019	53.97	20.53	24.62	5.91	0.00	0.00	75.56	180.59	64.76	20.89	32.20	7.73	0.00	0.00	98.92	224.50
	T15FI011	33.35	12.69	14.55	3.49	0.00	0.00	46.69	110.77	40.02	12.91	19.03	4.57	0.00	0.00	61.13	137.66
	T15FI012	34.93	13.29	15.19	3.65	0.00	0.00	48.90	115.96	41.92	13.52	19.86	4.77	0.00	0.00	64.03	144.10
	T15FI013	41.52	15.80	16.79	4.03	0.00	0.00	58.13	136.27	49.83	16.07	21.96	5.27	0.00	0.00	76.10	169.23
	T15ID007	27.11	10.31	14.71	3.53	0.00	0.00	37.95	93.61	32.53	10.49	19.24	4.62	0.00	0.00	49.69	116.57
	T15KM010	37.25	14.17	16.25	3.90	0.00	0.00	52.16	123.73	44.71	14.42	21.24	5.10	0.00	0.00	68.28	153.75
	T15KM011	69.69	26.51	23.67	5.68	0.00	0.00	97.57	223.12	83.63	26.97	30.95	7.43	0.00	0.00	127.73	276.71
T20	T20CA001	15.92	5.35	6.20	1.74	2.85	0.43	12.03	44.52	19.90	5.49	8.09	2.27	5.97	0.90	16.28	58.90
	T20CA002	21.91	7.62	9.15	2.56	7.08	1.06	16.66	66.04	27.39	7.82	11.95	3.35	14.83	2.22	22.54	90.10

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS								
		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
T20	T20CA003	32.68	11.47	13.28	3.72	8.47	1.27	24.89	95.78	40.85	11.77	17.34	4.86	17.75	2.66	33.67	128.90
	T20MC001	24.89	8.62	8.92	2.50	6.11	0.92	18.92	70.88	31.12	8.85	11.64	3.26	12.39	1.86	25.59	94.71
	T20MC002	43.55	16.37	16.89	4.73	16.59	2.49	33.56	134.18	54.43	16.80	22.04	6.17	33.67	5.05	45.41	183.57
T25	T25JD001	1.60	0.47	1.56	0.44	0.46	0.07	1.43	6.03								
	T25JD002	1.78	0.51	1.89	0.53	0.41	0.06	1.57	6.75								
	T25JD003	2.02	0.57	2.13	0.60	0.41	0.06	1.79	7.58								
	T25JD004	2.28	0.64	2.57	0.72	0.38	0.06	2.01	8.66								
T30	T30DW001	0.30	0.10	0.74	0.21	0.04	0.01	0.37	1.77	0.37	0.10	0.97	0.27	0.06	0.01	0.51	2.29
	T30DW002	1.35	0.40	1.47	0.41	0.06	0.01	1.66	5.36	1.66	0.41	1.93	0.54	0.08	0.01	2.27	6.90
	T30DW003	2.74	0.81	2.29	0.64	0.08	0.01	3.36	9.93	3.37	0.83	3.01	0.84	0.12	0.02	4.60	12.79
	T30DW004	2.16	0.64	2.29	0.64	0.08	0.01	2.66	8.48	2.66	0.66	3.01	0.84	0.12	0.02	3.63	10.94
	T30DW005	2.59	0.77	1.03	0.29	0.08	0.01	3.18	7.95	3.19	0.79	1.35	0.38	0.12	0.02	4.35	10.20
	T30DW006	3.86	1.14	1.56	0.44	0.08	0.01	4.73	11.82	4.75	1.17	2.04	0.57	0.12	0.02	6.47	15.14
	T30DW007	3.93	1.18	1.89	0.53	0.24	0.04	4.83	12.64	4.83	1.21	2.47	0.69	0.34	0.05	6.61	16.20
	T30DW008	3.86	1.16	1.89	0.53	0.24	0.04	4.75	12.47	4.75	1.19	2.47	0.69	0.34	0.05	6.50	15.99
	T30DW009	5.11	1.53	2.18	0.61	0.24	0.04	6.28	15.99	6.29	1.57	2.85	0.80	0.34	0.05	8.59	20.49
	T30DW010	8.61	2.69	2.98	0.83	1.22	0.18	10.69	27.20	10.60	2.76	3.89	1.09	1.72	0.26	14.62	34.94
	T30DW011	9.97	2.92	3.48	0.98	0.00	0.00	12.19	29.54	12.27	2.99	4.55	1.27	0.00	0.00	16.68	37.76
	T30VE001	0.72	0.21	1.47	0.41	0.00	0.00	0.89	3.70	0.89	0.22	1.93	0.54	0.00	0.00	1.21	4.79
	T30VE002	2.30	0.71	1.03	0.29	0.20	0.03	2.84	7.40	2.83	0.72	1.35	0.38	0.26	0.04	3.89	9.47
	T30VE003	4.01	1.21	1.59	0.45	0.21	0.03	4.93	12.43	4.93	1.24	2.08	0.58	0.28	0.04	6.74	15.89
	T30VE004	4.58	1.38	1.56	0.44	0.21	0.03	5.64	13.84	5.64	1.41	2.04	0.57	0.28	0.04	7.71	17.69
	T30VE005	9.09	2.66	3.34	0.93	0.00	0.00	11.11	27.13	11.18	2.73	4.36	1.22	0.00	0.00	15.20	34.69
	T30VE006	16.36	4.78	5.17	1.45	0.00	0.00	20.00	47.76	20.14	4.91	6.74	1.89	0.00	0.00	27.36	61.04
T35	T35BG001	12.04	4.30	2.95	0.83	0.00	0.00	14.72	34.84	15.05	4.40	3.85	1.08	0.00	0.00	20.45	44.83
	T35BG002	17.45	6.23	4.72	1.32	0.00	0.00	21.34	51.06	21.81	6.38	6.17	1.73	0.00	0.00	29.64	65.73
	T35BG003	23.02	8.22	4.72	1.32	0.00	0.00	28.14	65.42	28.77	8.41	6.17	1.73	0.00	0.00	39.10	84.18
	T35CT001	12.02	4.29	4.13	1.16	0.00	0.00	14.70	36.30	15.03	4.39	5.40	1.51	0.00	0.00	20.42	46.75
	T35CT002	14.65	5.23	4.13	1.16	0.00	0.00	17.91	43.08	18.31	5.35	5.40	1.51	0.00	0.00	24.87	55.44
	T35CT003	16.50	5.89	5.46	1.53	0.00	0.00	20.17	49.55	20.62	6.03	7.13	2.00	0.00	0.00	28.02	63.80
	T35CT004	14.51	5.18	3.01	0.84	0.00	0.00	17.74	41.28	18.13	5.30	3.93	1.10	0.00	0.00	24.64	53.10
	T35CT005	15.47	5.52	3.01	0.84	0.00	0.00	18.91	43.75	19.33	5.65	3.93	1.10	0.00	0.00	26.27	56.28
	T35CT006	14.72	5.25	3.01	0.84	0.00	0.00	18.00	41.82	18.40	5.38	3.93	1.10	0.00	0.00	25.00	53.81
	T35CT007	16.27	5.81	3.01	0.84	0.00	0.00	19.90	45.83	20.34	5.95	3.93	1.10	0.00	0.00	27.64	58.96
	T35CT008	20.74	7.40	4.43	1.24	0.00	0.00	25.35	59.16	25.92	7.58	5.78	1.62	0.00	0.00	35.22	76.12
	T35CT009	23.16	8.27	4.43	1.24	0.00	0.00	28.32	65.42	28.95	8.47	5.78	1.62	0.00	0.00	39.34	84.16
	T35CT010	24.10	8.60	4.43	1.24	0.00	0.00	29.46	67.83	30.12	8.81	5.78	1.62	0.00	0.00	40.93	87.26
	T35CT011	27.84	9.94	5.17	1.45	0.00	0.00	34.04	78.44	34.80	10.17	6.74	1.89	0.00	0.00	47.29	100.89

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS						
		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RPR	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RPR
T40	T40XX001	3.02	0.89	0.00	0.20	0.00	0.00	3.32	7.43						
	T40XX002	4.76	1.40	0.00	0.25	0.00	0.00	5.24	11.65						
	T40XX003	4.98	1.46	0.00	0.25	0.00	0.00	5.49	12.18						
	T40XX004	5.61	1.64	0.00	0.30	0.00	0.00	6.17	13.72						
	T40XX005	6.74	1.98	0.00	0.35	0.00	0.00	7.42	16.49						
	T40XX006	7.94	2.33	0.00	0.40	0.00	0.00	8.74	19.41						
	T40XX007	0.71	0.21	0.00	0.09	0.00	0.00	0.68	1.69						
	T40XX008	1.12	0.33	0.00	0.09	0.00	0.00	1.08	2.62						
	T40XX009	1.14	0.33	0.00	0.09	0.00	0.00	1.09	2.65						
	T40XX010	1.15	0.34	0.00	0.09	0.00	0.00	1.11	2.69						
	T40XX011	0.23	0.07	0.00	0.00	0.00	0.00	0.19	0.49						
	T40XX012	0.24	0.07	0.00	0.00	0.00	0.00	0.20	0.51						
	T40XX013	0.25	0.07	0.00	0.00	0.00	0.00	0.21	0.53						
	T40XX014	0.27	0.08	0.00	0.00	0.00	0.00	0.22	0.57						
	T40XX015	0.29	0.09	0.00	0.00	0.00	0.00	0.24	0.62						
	T40XX016	0.32	0.09	0.00	0.00	0.00	0.00	0.26	0.67						
	T40XX017	0.35	0.10	0.00	0.00	0.00	0.00	0.29	0.74						
	T40XX018	0.37	0.11	0.00	0.00	0.00	0.00	0.30	0.78						
	T40XX019	0.39	0.12	0.00	0.00	0.00	0.00	0.32	0.83						
	T40XX020	0.42	0.12	0.00	0.00	0.00	0.00	0.35	0.89						
	T40XX021	0.37	0.11	0.00	0.00	0.00	0.00	0.31	0.79						
	T40XX022	0.43	0.13	0.00	0.00	0.00	0.00	0.36	0.92						
	T40XX023	0.27	0.08	0.00	0.09	0.00	0.00	0.26	0.70						
	T40XX024	0.31	0.09	0.00	0.09	0.00	0.00	0.30	0.79						
	T40XX025	0.86	0.25	0.00	0.09	0.00	0.00	0.83	2.03						
	T40XX026	0.97	0.28	0.00	0.09	0.00	0.00	0.93	2.27						
	T40XX027	3.24	0.86	0.00	0.13	0.00	0.00	2.92	7.15						
	T40XX028	3.29	0.88	0.00	0.13	0.00	0.00	2.97	7.27						
	T40XX029	3.33	0.88	0.00	0.13	0.00	0.00	3.00	7.34						
	T40XX030	3.38	0.90	0.00	0.13	0.00	0.00	3.05	7.46						
	T40XX031	1.36	0.40	0.00	0.00	0.00	0.00	1.12	2.88						
	T40XX032	1.43	0.42	0.00	0.00	0.00	0.00	1.18	3.03						
	T40XX033	1.52	0.45	0.00	0.00	0.00	0.00	1.26	3.23						
T45	T45XX001	2.33	0.83	0.00	0.09	0.64	0.10	2.14	6.13						
	T45XX002	2.81	0.99	0.00	0.09	0.64	0.10	2.57	7.20						
	T45XX003	2.85	1.00	0.00	0.09	0.64	0.10	2.61	7.29						
	T45XX004	3.34	1.19	0.00	0.09	0.90	0.14	3.06	8.72						
	T45XX005	4.05	1.40	0.00	0.09	0.73	0.11	3.68	10.06						
	T45XX006	7.81	2.93	0.00	0.09	3.26	0.49	7.21	21.79						
	T45XX007	8.79	3.24	0.00	0.09	3.26	0.49	8.10	23.97						

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID.	NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS								
			DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	
T45	T45XX008		3.17	1.10	0.00	0.09	0.64	0.10	2.68	7.78	3.96	1.13	0.00	0.09	0.77	0.12	3.87	9.94
	T45XX009		2.23	0.67	0.00	0.11	0.64	0.10	1.76	5.51								
	T45XX010		2.25	0.68	0.00	0.11	0.64	0.10	1.77	5.55								
	T45XX011		1.40	0.72	0.00	0.09	0.57	0.09	1.17	4.04								
	T45XX012		1.57	0.80	0.00	0.09	0.62	0.09	1.32	4.49								
	T45XX013		1.73	0.87	0.00	0.09	0.64	0.10	1.45	4.88								
	T45XX014		1.95	1.01	0.00	0.13	0.86	0.13	1.64	5.72								
	T45XX015		2.03	1.05	0.00	0.13	0.93	0.14	1.71	5.99								
	T45XX016		2.37	1.21	0.00	0.13	0.96	0.14	1.99	6.80								
	T45XX017		2.47	1.31	0.00	0.13	1.30	0.20	2.10	7.51								
	T45XX018		3.10	1.59	0.00	0.13	1.30	0.20	2.60	8.92								
	T45XX019		3.21	1.64	0.00	0.13	1.30	0.20	2.69	9.17								
	T45XX020		3.73	1.87	0.00	0.17	1.28	0.19	3.10	10.34								
	T45XX021		3.96	2.01	0.00	0.17	1.56	0.23	3.31	11.24								
	T45XX022		4.38	2.23	0.00	0.17	1.74	0.26	3.67	12.45								
	T45XX023		4.91	2.59	0.00	0.17	2.47	0.37	4.17	14.68								
	T45XX024		1.15	0.62	0.00	0.09	0.64	0.10	0.98	3.58								
	T45XX025		1.10	0.59	0.00	0.09	0.64	0.10	0.94	3.46								
	T45XX026		0.71	0.39	0.00	0.10	0.43	0.06	0.61	2.30								
	T45XX027		0.80	0.44	0.00	0.10	0.53	0.08	0.69	2.64								
	T45XX028		0.87	0.48	0.00	0.10	0.58	0.09	0.75	2.87								
	T45XX029		2.36	1.10	1.86	0.00	0.32	0.05	2.30	7.99								
	T45XX030		2.39	1.17	1.86	0.00	0.64	0.10	2.36	8.52								
	T45XX031		2.51	1.22	1.86	0.00	0.64	0.10	2.48	8.81								
	T45HA001		2.00	0.75	0.00	0.50	0.14	0.02	2.25	5.66								
	T45HA002		2.42	0.90	0.00	0.60	0.14	0.02	2.73	6.81								
	T45HA003		3.22	1.20	0.00	0.70	0.22	0.03	3.63	9.00								
T50	T50FO001		1.19	0.35	2.67	0.75	0.17	0.03	1.20	6.36	1.51	0.36	3.51	0.98	0.21	0.03	1.64	8.24
	T50FO002		1.40	0.41	2.67	0.75	0.20	0.03	1.41	6.87	1.78	0.43	3.51	0.98	0.26	0.04	1.93	8.93
	T50FO003		1.29	0.39	2.67	0.75	0.23	0.03	1.31	6.67	1.64	0.40	3.51	0.98	0.29	0.04	1.78	8.64
	T50FO004		1.58	0.47	2.67	0.75	0.27	0.04	1.60	7.38	2.01	0.49	3.51	0.98	0.36	0.05	2.19	9.59
	T50FO005		1.48	0.45	2.67	0.75	0.37	0.06	1.51	7.29	1.89	0.47	3.51	0.98	0.47	0.07	2.06	9.45
	T50GM001		0.96	0.29	1.80	0.50	0.18	0.03	0.98	4.74	1.23	0.30	2.36	0.66	0.23	0.03	1.34	6.15
	T50GM002		0.96	0.35	1.80	0.50	0.18	0.03	1.18	5.20	1.48	0.36	2.36	0.66	0.23	0.03	1.60	6.72
	T50GM003		1.16	0.34	2.93	0.82	0.18	0.03	1.16	6.60	1.45	0.35	3.84	1.08	0.23	0.03	1.58	8.56
	T50GM004		1.14	0.48	3.22	0.90	0.18	0.03	1.64	8.07	2.06	0.49	4.23	1.18	0.23	0.03	2.24	10.46
	T50GM005		1.62	0.53	3.22	0.90	0.21	0.03	1.82	8.51	2.29	0.54	4.23	1.18	0.27	0.04	2.48	11.03
	T50GM006		1.80	0.38	4.78	1.34	0.21	0.03	1.29	9.30	1.61	0.39	6.28	1.76	0.26	0.04	1.75	12.09
	T50GM007		1.27	0.44	4.78	1.34	0.25	0.04	1.50	9.83	1.88	0.45	6.28	1.76	0.32	0.05	2.04	12.78
	T50GM008		1.48	0.40	4.78	1.34	0.21	0.03	1.35	9.44	1.70	0.41	6.28	1.76	0.26	0.04	1.84	12.29

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS								
		DEPR	CFC	FUEL	FOG	TIRE WEAR	RPR	RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	RPR	TOTAL RATE	
T50	T50GM009	1.55	0.46	4.78	1.34	0.25	0.04	1.57	9.99	1.97	0.47	6.28	1.76	0.32	0.05	2.14	12.99
	T50FO006	2.32	0.79	7.20	2.16	0.51	0.08	2.19	15.25	2.85	0.81	9.60	2.88	0.65	0.10	2.91	19.80
	T50FO007	2.51	0.86	5.54	1.44	0.51	0.08	2.38	13.32	3.09	0.88	7.20	1.87	0.65	0.10	3.15	16.94
	T50FO008	2.51	0.86	7.20	2.16	0.51	0.08	2.37	15.69	3.09	0.88	9.60	2.88	0.65	0.10	3.14	20.34
	T50FO009	2.93	0.99	5.54	1.44	0.51	0.08	2.77	14.26	3.61	1.02	7.20	1.87	0.65	0.10	3.67	18.12
	T50FO010	2.70	0.92	9.35	2.81	0.59	0.09	2.56	19.02	3.32	0.95	12.47	3.74	0.74	0.11	3.39	24.72
	T50FO011	3.16	1.11	5.46	1.42	1.01	0.15	3.01	15.32	3.89	1.14	7.10	1.85	1.29	0.19	4.00	19.46
	T50GM010	1.98	0.69	7.16	2.15	0.51	0.08	1.88	14.45	2.43	0.70	9.55	2.86	0.65	0.10	2.49	18.78
	T50GM011	2.35	0.81	7.16	2.15	0.51	0.08	2.23	15.29	2.89	0.82	9.55	2.86	0.65	0.10	2.95	19.82
	T50GM012	2.62	0.89	4.42	1.15	0.51	0.08	2.47	12.14	3.22	0.91	5.75	1.49	0.65	0.10	3.28	15.40
	T50GM013	2.33	0.81	8.78	2.64	0.59	0.09	2.21	17.45	2.87	0.83	11.71	3.51	0.74	0.11	2.94	22.71
	T50GM014	2.66	0.93	4.42	1.15	0.74	0.11	2.53	12.54	3.27	0.95	5.75	1.49	0.94	0.14	3.36	15.90
	T50IT001	1.90	0.65	4.03	1.05	0.37	0.06	1.80	9.86	2.34	0.66	5.24	1.36	0.47	0.07	2.39	12.53
	T50IT002	2.27	0.77	4.29	1.12	0.37	0.06	2.14	11.02	2.79	0.78	5.58	1.45	0.47	0.07	2.84	13.98
	T50IT003	2.68	0.91	4.68	1.22	0.51	0.08	2.53	12.61	3.30	0.93	6.08	1.58	0.65	0.10	3.36	16.00
	T50FO012	4.81	1.48	13.51	4.32	1.03	0.15	4.23	29.53	5.92	1.52	17.41	5.57	1.33	0.20	6.01	37.96
	T50FO013	6.33	1.95	8.74	2.45	1.26	0.19	5.57	26.49	7.80	2.00	11.23	3.14	1.63	0.24	7.91	33.95
	T50FO014	6.73	2.06	8.74	2.45	1.31	0.20	5.91	27.40	8.28	2.12	11.23	3.14	1.68	0.25	8.40	35.10
	T50FO015	6.23	1.92	8.74	2.45	1.31	0.20	5.48	26.33	7.66	1.97	11.23	3.14	1.68	0.25	7.78	33.71
	T50FO016	5.56	1.73	7.83	2.19	1.31	0.20	4.90	23.72	6.85	1.78	10.06	2.82	1.68	0.25	6.97	30.41
	T50FO017	8.71	2.68	10.92	3.06	1.77	0.27	7.66	35.07	10.72	2.75	14.04	3.93	2.29	0.34	10.88	44.95
	T50FO018	9.19	2.83	8.74	2.45	1.90	0.29	8.08	33.48	11.31	2.91	11.23	3.14	2.44	0.37	11.48	42.88
	T50FO019	8.52	2.64	12.74	3.57	1.90	0.29	7.50	37.16	10.49	2.71	16.38	4.59	2.44	0.37	10.66	47.64
	T50FO020	10.22	3.10	14.56	4.08	1.58	0.24	8.96	42.74	12.58	3.19	18.72	5.24	2.04	0.31	12.73	54.81
	T50GM015	3.67	1.18	12.69	4.06	1.29	0.19	3.26	26.34	4.52	1.21	16.35	5.23	1.67	0.25	4.63	33.86
	T50GM016	4.16	1.32	7.46	2.09	1.29	0.19	3.68	20.19	5.13	1.36	9.59	2.69	1.67	0.25	5.24	25.93
	T50IT004	4.97	1.55	7.83	2.19	1.29	0.19	4.38	22.40	6.11	1.59	10.06	2.82	1.67	0.25	6.23	28.73
	T50IT005	7.16	2.19	8.74	2.45	1.29	0.19	6.29	28.31	8.82	2.25	11.23	3.14	1.67	0.25	8.94	36.30
	T50IT006	7.87	2.40	8.74	2.45	1.29	0.19	6.90	29.84	9.69	2.46	11.23	3.14	1.67	0.25	9.81	38.25
	T50IT007	9.73	2.93	8.74	2.45	1.29	0.19	8.51	33.84	11.97	3.01	11.23	3.14	1.67	0.25	12.10	43.37
	T50KE001	8.40	2.46	9.83	2.75	0.23	0.03	7.31	31.01	10.34	2.53	12.64	3.54	0.29	0.04	10.38	39.76
	T50KE002	9.18	2.68	9.83	2.75	0.23	0.03	7.98	32.68	11.29	2.76	12.64	3.54	0.29	0.04	11.34	41.90
	T50KE003	9.15	2.69	9.83	2.75	0.39	0.06	7.97	32.84	11.27	2.77	12.64	3.54	0.51	0.08	11.32	42.13
	T50KE004	9.42	2.77	9.83	2.75	0.39	0.06	8.20	33.42	11.59	2.84	12.64	3.54	0.51	0.08	11.65	42.85
	T50KE005	9.63	2.83	9.83	2.75	0.39	0.06	8.38	33.87	11.85	2.91	12.64	3.54	0.51	0.08	11.91	43.44
	T50MT001	6.95	2.07	10.01	2.80	0.57	0.09	6.06	28.55	8.55	2.13	12.87	3.60	0.72	0.11	8.62	36.60
	T50MT002	7.64	2.27	10.92	3.06	0.57	0.09	6.67	31.22	9.41	2.34	14.04	3.93	0.72	0.11	9.48	40.03
	T50MT003	7.65	2.27	10.92	3.06	0.57	0.09	6.68	31.24	9.42	2.34	14.04	3.93	0.72	0.11	9.49	40.05
	T50MT004	8.53	2.56	10.92	3.06	0.90	0.14	7.45	33.56	10.50	2.63	14.04	3.93	1.15	0.17	10.59	43.01
	T50MT005	8.18	2.46	10.01	2.80	0.90	0.14	7.16	31.65	10.07	2.52	12.87	3.60	1.15	0.17	10.17	40.55
	T50MT006	8.64	2.59	10.92	3.06	0.90	0.14	7.55	33.80	10.64	2.66	14.04	3.93	1.15	0.17	10.74	43.33

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID.	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
		DEPR	CFC	FUEL	FOG	TIRE WEAR	RPR	RPR	TIRE WEAR	RPR	RPR	RPR	TIRE WEAR	RPR	RPR		
T50	T50MT007	9.12	2.73	10.01	2.80	0.90	0.14	7.97	33.67	11.23	2.80	12.87	3.60	1.15	0.17	11.32	43.14
	T50MT008	9.60	2.87	10.01	2.80	0.90	0.14	8.39	34.71	11.82	2.95	12.87	3.60	1.15	0.17	11.92	44.48
	T50MT009	12.12	3.60	14.56	4.08	1.04	0.16	10.58	46.14	14.92	3.70	18.72	5.24	1.37	0.21	15.03	59.19
	T50MT010	13.50	4.01	14.56	4.08	1.04	0.16	11.78	49.13	16.62	4.12	18.72	5.24	1.37	0.21	16.74	63.02
	T50PE001	6.39	1.95	9.10	2.55	1.06	0.16	5.61	26.82	7.86	2.00	11.70	3.28	1.36	0.20	7.97	34.37
	T50PE002	7.77	2.41	10.37	2.90	1.84	0.28	6.84	32.41	9.56	2.48	13.34	3.73	2.37	0.36	9.72	41.56
	T50PE003	9.37	2.88	10.92	3.06	1.84	0.28	8.23	36.58	11.53	2.96	14.04	3.93	2.37	0.36	11.70	46.89
	T50PE004	9.64	2.95	11.47	3.21	1.84	0.28	8.46	37.85	11.86	3.04	14.74	4.13	2.37	0.36	12.03	48.53
	T50PE005	9.02	2.78	10.37	2.90	1.84	0.28	7.93	35.12	11.11	2.85	13.34	3.73	2.37	0.36	11.27	45.03
T55	T55CA001	23.17	9.43	8.12	2.76	6.60	0.99	18.65	69.72	27.80	9.59	10.70	3.64	11.00	1.65	26.11	90.49
	T55CA002	32.19	13.27	11.73	3.99	11.35	1.70	25.96	100.19	38.62	13.49	15.46	5.26	18.93	2.84	36.36	130.96
	T55CA003	45.94	19.22	15.69	5.34	19.89	2.98	37.15	146.21	55.12	19.55	20.69	7.03	33.16	4.97	52.03	192.55
	T55CA004	20.15	8.34	8.12	2.76	5.42	0.81	16.27	61.87	24.18	8.49	10.70	3.64	9.03	1.35	22.78	80.17
	T55CA005	29.11	12.47	11.73	3.99	11.75	1.76	23.64	94.45	34.93	12.69	15.46	5.26	19.59	2.94	33.11	123.98
	T55CA006	38.43	16.73	15.69	5.34	17.94	2.69	31.30	128.12	46.11	17.01	20.69	7.03	29.91	4.49	43.84	169.08
	T55DJ001	16.23	6.70	4.69	1.59	5.45	0.82	13.10	48.58	19.48	6.82	6.18	2.10	8.93	1.34	18.34	63.19
	T55DJ002	15.15	6.12	3.93	1.34	3.80	0.57	12.18	43.09	18.18	6.23	5.18	1.76	6.33	0.95	17.05	55.68
	T55DJ003	17.73	7.64	4.64	1.58	10.61	1.59	14.41	58.20	21.27	7.77	6.11	2.08	17.68	2.65	20.18	77.74
	T55DJ004	17.82	7.52	4.69	1.59	8.59	1.29	14.44	55.94	21.39	7.65	6.18	2.10	14.32	2.15	20.22	74.01
	T55DJ005	20.27	8.47	4.69	1.59	8.59	1.29	16.39	61.29	24.32	8.61	6.18	2.10	14.32	2.15	22.95	80.63
	T55DJ006	20.62	8.59	4.69	1.59	7.97	1.20	16.67	61.33	24.75	8.74	6.18	2.10	13.13	1.97	23.34	80.21
	T55DJ007	24.07	9.98	6.95	2.36	9.25	1.39	19.44	73.44	28.88	10.15	9.16	3.11	15.42	2.31	27.22	96.25
	T55DJ008	28.15	11.55	8.30	2.82	8.54	1.28	22.69	83.33	33.77	11.75	10.94	3.72	13.99	2.10	31.77	108.04
	T55DJ009	33.60	14.00	8.30	2.82	13.84	2.08	27.16	101.80	40.32	14.24	10.94	3.72	23.08	3.46	38.03	133.79
	T55EU001	15.06	6.15	4.15	1.41	3.26	0.49	12.13	42.65	18.07	6.25	5.47	1.86	5.43	0.81	16.98	54.87
	T55EU002	24.69	10.01	8.12	2.76	6.60	0.99	19.86	73.03	29.63	10.19	10.70	3.64	11.00	1.65	27.81	94.62
	T55EU003	34.26	14.06	12.18	4.14	11.35	1.70	27.62	105.31	41.11	14.31	16.05	5.46	18.93	2.84	38.67	137.37
	T55EU004	41.86	17.88	16.69	5.67	16.34	2.45	33.98	134.87	50.23	18.18	22.00	7.48	27.24	4.09	47.58	176.80
	T55TE001	15.05	6.09	4.04	1.37	4.36	0.65	12.10	43.66	18.06	6.19	5.33	1.81	7.48	1.12	16.95	56.94
	T55TE002	15.93	6.62	4.28	1.45	5.18	0.78	12.87	47.11	19.11	6.73	5.64	1.92	8.88	1.33	18.02	61.63
	T55TE003	17.15	7.11	4.65	1.58	5.44	0.82	13.85	50.60	20.58	7.24	6.14	2.09	9.32	1.40	19.40	66.17
	T55TE004	18.44	7.56	5.84	1.99	5.97	0.90	14.86	55.56	22.13	7.69	7.70	2.62	9.96	1.49	20.81	72.40
	T55TE005	22.34	9.31	6.48	2.20	10.63	1.59	18.06	70.61	26.81	9.47	8.54	2.90	18.22	2.73	25.28	93.95
	T55TE006	22.05	9.36	8.62	2.93	11.35	1.70	17.88	73.89	26.46	9.52	11.37	3.86	18.93	2.84	25.04	98.02
	T55TE007	29.46	12.68	11.18	3.80	12.41	1.86	23.95	95.34	35.35	12.90	14.74	5.01	20.68	3.10	33.53	125.31
	T55TE008	40.55	17.50	15.53	5.28	17.59	2.64	32.98	132.07	48.65	17.81	20.47	6.96	29.32	4.40	46.18	173.79
	T55UN001	34.22	14.93	16.24	5.52	16.34	2.45	27.89	117.59	41.06	15.19	21.40	7.28	27.24	4.09	39.05	155.31
	T55UN002	43.40	18.64	21.65	7.36	17.94	2.69	35.27	146.95	52.08	18.96	28.54	9.70	29.91	4.49	49.39	193.07
	T55UN003	50.92	23.28	28.86	9.81	34.16	5.12	41.86	194.01	61.10	23.68	38.05	12.94	56.96	8.54	58.62	259.89
	T55VO001	10.28	4.30	3.36	1.14	4.24	0.64	8.31	32.27	12.33	4.37	4.42	1.50	7.00	1.05	11.64	42.31

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. 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		
T55	T55VO002	12.80	5.36	4.33	1.47	5.64	0.85	10.36	40.81	15.36	5.45	5.71	1.94	9.42	1.41	14.50	53.79
	T55VO003	13.86	5.75	4.33	1.47	5.43	0.81	11.19	42.84	16.63	5.85	5.71	1.94	9.05	1.36	15.67	56.21
	T55VO004	17.76	7.52	5.88	2.00	8.84	1.33	14.39	57.72	21.31	7.65	7.75	2.64	14.74	2.21	20.15	76.45
	T55WA001	25.13	10.18	8.75	2.97	6.60	0.99	20.21	74.83	30.15	10.36	11.53	3.92	11.00	1.65	28.30	96.91
	T55WA002	33.70	14.08	12.18	4.14	14.31	2.15	27.25	107.81	40.44	14.32	16.05	5.46	23.85	3.58	38.16	141.86
	T55WA003	41.90	18.66	16.78	5.70	24.32	3.65	34.28	145.29	50.28	18.98	22.12	7.52	40.87	6.13	48.00	193.90
	T55WA004	54.97	23.49	18.94	6.44	21.58	3.24	44.63	173.29	65.96	23.89	24.97	8.49	35.98	5.40	62.49	227.18
	T55WA005	79.52	33.94	24.35	8.28	30.90	4.64	64.55	246.18	95.42	34.53	32.10	10.92	51.51	7.73	90.39	322.60
T60	T60KI001	10.10	4.60	5.17	1.65	2.00	0.30	10.22	34.04	12.12	4.67	6.74	2.16	2.69	0.40	14.00	42.78
	T60KI002	17.25	8.08	9.74	3.12	5.12	0.77	17.56	61.64	20.70	8.20	12.72	4.07	6.90	1.04	24.06	77.69
	T60KI003	24.70	11.59	13.28	4.25	7.46	1.12	25.16	87.56	29.64	11.76	17.34	5.55	10.05	1.51	34.47	110.32
	T60KI004	25.10	11.76	13.28	4.25	7.46	1.12	25.56	88.53	30.12	11.94	17.34	5.55	10.05	1.51	35.02	111.53
	T60KI005	30.02	14.10	16.24	5.20	9.17	1.38	30.59	106.70	36.02	14.31	21.20	6.78	12.35	1.85	41.90	134.41
	T60KI006	30.35	14.24	16.24	5.20	9.17	1.38	30.91	107.49	36.41	14.45	21.20	6.78	12.35	1.85	42.35	135.39
	T60SO001	18.42	8.58	9.74	3.12	5.12	0.77	18.73	64.48	22.11	8.71	12.72	4.07	6.90	1.04	25.67	81.22
	T60SO002	25.73	12.03	13.28	4.25	7.50	1.13	26.19	90.11	30.87	12.22	17.34	5.55	10.11	1.52	35.88	113.49
	T60SO003	26.15	12.21	13.28	4.25	7.50	1.13	26.61	91.13	31.38	12.40	17.34	5.55	10.11	1.52	36.45	114.75
	T60SO004	32.28	15.20	16.24	5.20	10.12	1.52	32.91	113.47	38.74	15.42	21.20	6.78	13.64	2.05	45.09	142.92
	T60SO005	32.84	15.44	16.24	5.20	10.12	1.52	33.47	114.83	39.41	15.67	21.20	6.78	13.64	2.05	45.85	144.60
W10	W10CE001	18.85	8.04	9.74	3.12	8.64	1.30	16.57	66.26	22.62	8.18	12.72	4.07	14.48	2.17	22.95	87.19
	W10CE002	27.52	11.75	13.28	4.25	11.54	1.73	24.19	94.26	33.02	11.95	17.34	5.55	18.67	2.80	33.50	122.83
	W10CE003	41.48	17.93	19.19	6.14	18.54	2.78	36.54	142.60	49.77	18.24	25.05	8.02	30.67	4.60	50.61	186.96
W15	W15CE001	20.10	8.41	9.74	3.12	7.41	1.11	16.26	66.15	24.12	8.55	12.72	4.07	12.40	1.86	22.76	86.48
	W15CE002	27.99	12.19	13.28	4.25	11.17	1.68	22.81	93.37	33.59	12.40	17.34	5.55	18.71	2.81	31.93	122.33
W25	W25AC001	0.56	0.10	1.32	0.32	0.02	0.00	0.85	3.17								
	W25AC002	0.60	0.10	1.32	0.32	0.02	0.00	0.91	3.27								
	W25AC003	0.86	0.15	2.15	0.52	0.02	0.00	1.31	5.01								
	W25AC004	0.91	0.15	2.15	0.52	0.02	0.00	1.39	5.14								
	W25AN001	0.46	0.07	0.21	0.34	0.00	0.00	0.69	1.77								
	W25AN002	0.72	0.12	0.21	0.34	0.00	0.00	1.09	2.48								
	W25AN003	0.55	0.09	1.32	0.32	0.00	0.00	0.83	3.11								
	W25AN004	0.91	0.15	1.32	0.32	0.00	0.00	1.37	4.07								
	W25HO001	0.32	0.05	0.39	0.11	0.00	0.00	0.48	1.35								
	W25HO002	0.54	0.09	0.56	0.16	0.00	0.00	0.82	2.17								
	W25WE001	3.83	0.88	2.14	1.36	0.04	0.01	6.34	14.60								
	W25WE002	4.17	0.96	3.21	2.03	0.04	0.01	6.90	17.32								
	W25WE003	5.37	1.24	3.95	1.11	0.04	0.01	8.89	20.61								

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS						
		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RPR	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RPR
W25	W25WE004	6.36	1.46	6.41	4.07	0.04	0.01	10.52	28.87						
	W25WE005	7.76	1.78	6.95	1.95	0.04	0.01	12.83	31.32						
	W25WE006	8.70	2.01	10.43	2.92	0.10	0.02	14.41	38.59						
	W25WE007	9.99	2.31	10.00	2.80	0.16	0.02	16.55	41.83						
	W25AO001	0.39	0.06	0.04	0.52	0.00	0.00	0.59	1.60						
	W25AO002	0.44	0.07	0.04	0.77	0.00	0.00	0.66	1.98						
	W25AO003	0.64	0.10	0.04	0.77	0.00	0.00	0.96	2.51						
	W25AO004	0.64	0.10	0.09	1.03	0.00	0.00	0.97	2.83						
	W25AO005	1.35	0.22	0.17	1.57	0.00	0.00	2.04	5.35						
	W25AO006	0.89	0.15	0.04	0.77	0.00	0.00	1.35	3.20						
W30	W30SO001	2.11	0.94	0.65	0.17	0.22	0.03	1.82	5.94						
	W30SO002	2.54	1.13	0.65	0.17	0.22	0.03	2.19	6.93						
	W30SO003	2.77	1.23	0.65	0.17	0.22	0.03	2.39	7.46						
	W30SO004	1.42	0.61	0.00	0.01	0.00	0.00	1.01	3.05						
	W30SO005	1.59	0.68	0.00	0.01	0.00	0.00	1.13	3.41						
	W30SO006	1.83	0.79	0.00	0.01	0.00	0.00	1.31	3.94						
W35	W35HO001	0.10	0.04	0.71	0.17	0.00	0.00	0.12	1.14						
	W35HO002	0.14	0.05	1.11	0.27	0.00	0.00	0.17	1.74						
	W35XX001	0.62	0.23	1.00	0.24	0.03	0.00	0.75	2.87						
	W35XX002	0.45	0.17	3.95	0.95	0.03	0.00	0.54	6.09						
	W35XX003	0.66	0.25	1.40	0.34	0.03	0.00	0.80	3.48						
	W35XX004	0.48	0.18	3.95	0.95	0.03	0.00	0.58	6.17						
	W35XX005	0.73	0.28	1.40	0.34	0.06	0.01	0.89	3.71						
	W35XX006	0.52	0.19	6.58	1.58	0.03	0.00	0.63	9.53						
	W35XX007	0.80	0.30	2.36	0.57	0.06	0.01	0.97	5.07						
	W35XX008	0.66	0.25	6.99	1.68	0.03	0.00	0.80	10.41						
	W35XX009	0.34	0.09	0.54	0.22	0.00	0.00	0.25	1.44						
	W35XX010	0.40	0.10	0.68	0.27	0.00	0.00	0.30	1.75						
	W35XX011	0.34	0.09	0.27	0.11	0.00	0.00	0.25	1.06						
	W35XX012	0.35	0.09	0.54	0.22	0.00	0.00	0.26	1.46						
	W35XX013	0.16	0.04	0.51	0.21	0.00	0.00	0.12	1.04						
	W35XX014	0.20	0.05	0.65	0.26	0.00	0.00	0.15	1.31						
	W35XX015	0.54	0.14	0.81	0.32	0.00	0.00	0.40	2.21						
	W35XX016	0.95	0.24	1.13	0.45	0.00	0.00	0.70	3.47						
	W35XX017	0.07	0.02	0.51	0.21	0.00	0.00	0.05	0.86						
	W35XX018	0.24	0.06	0.65	0.26	0.00	0.00	0.18	1.39						

## APPENDIX A

### REFERENCES

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10. Euclid Hauler Handbook, 14th ed, Euclid, Inc., Cleveland, Ohio, 1981.
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12. Green Guide for Off-Highway Trucks and Trailers, Dataquest, Inc., Palo Alto, California, 1988, 1989, and 1990.
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15. Handbook of Heavy Construction, Haver, J. A., and F. W. Stubbs Jr., 2nd ed, McGraw-Hill Company, New York, 1971.
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20. Production and Cost Estimating of Material Movement with Earthmoving Equipment, General Motors Corporation, 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.

State Sales or Import Tax Rate:	4.50 %
Working Hours Per Year:	1,600 Hrs/Yr
Labor Adjustment Factor (LAF):	1.000
Electricity Cost Per Kilowatt-Hour:	\$ 0.045 /Kw-Hr
Gasoline Cost Per Gallon:	\$ 1.220 /Gal.
Diesel Cost Per Gallon (Off-Road Use):	\$ 0.820 /Gal.
Diesel Cost Per Gallon (On-Road Use):	\$ 1.300 /Gal.
Cost-of-Money Rate (Undiscounted):	8.375 %
Cost-of-Money Rate (Discounted):	6.700 %
Freight Rates:	
0	thru     24,000 lbs.     \$ 16.750 /Cwt.
over     24,000	thru     30,000 lbs.     \$ 14.750 /Cwt.
over     30,000	thru     44,000 lbs.     \$ 12.200 /Cwt.
over     44,000	thru     60,000 lbs.     \$ 9.750 /Cwt.
over     60,000	thru     70,000 lbs.     \$ 7.950 /Cwt.
over     70,000	thru     80,000 lbs.     \$ 7.500 /Cwt.
over     80,000	thru     9,999,900 lbs.     \$ 7.050 /Cwt.

APPENDIX C

GUIDE FOR SELECTING OPERATING CONDITIONS

<u>EQUIPMENT TYPE</u>	<u>AVERAGE</u>	<u>SEVERE</u>
Cranes, Crawler Mounted & Truck Mounted (Hydraulic or Mechanical)	Lift less than rated capacity, intermittent duty.	Continuous lift near rated capacity, excessive swing, abrasive materials, sloped surfaces.
Depreciation Period Hrs.	13,000 - 20,000 Hrs.	11,000 - 18,000
Shovels, Hydraulic Crawler Mounted (Non- electric)	Gravels, silts, well broken rock, lift less than rated capacity. Continuous loading in well-shot rock or fairly tight bank. Good underfoot condi- tions; dry floor, little impact or slid- ing on undercarriage.	Extremely abrasive tough materials, lifting near rated capacity, impact breakout. Contin- uous loading in in poorly-shot rock, lightly-blasted tight banks, e.g., shales, cemented gravels, ca- liches, etc. Adverse underfoot conditions: rough floors; high im- pact sliding on under- carriage.
Depreciation Period	14,000 - 16,000 Hrs.	12,000 - 14,000 Hrs.
Draglines & Clamshells, Crawler Mounted	Gravels, silts, pull and lift less than rated capacity.	Highly abrasive materials, impact breakout, continu- ous load near rated capacity.
Depreciation Period	12,000 - 18,000 Hrs.	10,000 - 16,000 Hrs.

GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

<u>EQUIPMENT TYPE</u>	<u>AVERAGE</u>	<u>SEVERE</u>
Backhoes & Hydraulic Excavators, Crawler Mounted	Clay, earth digging, no breakout impact, easy continuous or intermittent duty. Mass excavation or trenching where machine digs all the time in natural bed clay soils. Some traveling and steady, full throttle operation. Most log loading applications.	Rock work, pull near rated capacity, uneven surface, impact breakout, abrasive materials. Continuous trenching or truck loading in rock or shot rock soils. Large amount of travel over rough ground. Machine continuously working on rock floor with constant high load factor and high impact.
Depreciation Period	8,000 - 14,000 Hrs.	6,500 - 12,000 Hrs.
Tractors, Crawler Type	Production dozing in clays, sands, gravels and talus rock. Push-loading scrapers, borrow pit ripping, most landclearing and skidding applications. Medium impact conditions. Production landfill work.	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, boulder-strewn borrow pits. High impact conditions.
Depreciation Period	10,000 Hrs.	8,000 Hrs.

GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

<u>EQUIPMENT TYPE</u>	<u>AVERAGE</u>	<u>SEVERE</u>
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 load and haul road conditions. High rolling resistance and poor traction during part of the job. Some adverse grades. Some impact loads. Typical use in road building, dam construction, open-pit mining, etc.	Continuous use on very poorly maintained haul roads, high rolling resistance and poor traction. Frequent adverse grades and high impact loads. Poorly-matched loading equipment with continuous overloading.
Depreciation Period	12,000 Hrs.	10,000 Hrs.
Trucks, Highway	Varying loading and road conditions. Typical construction use on a variety of jobs.	Consistently poor road conditions. Oversized loading equipment.
Depreciation Period	7,000 - 8,000 Hrs.	5,500 - 6,500 Hrs.

GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

<u>EQUIPMENT TYPE</u>	<u>AVERAGE</u>	<u>SEVERE</u>
Loaders, Front End Wheel Type (Non Skid-Steer & Tool Carriers)	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. Load and carry on poor surfaces and slight adverse grades.	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. Load and carry in hard digging: travel longer distances on poor surfaces with adverse grades.
Depreciation Period	10,000 - 12,000 Hrs.	8,000 - 10,000 Hrs.
Loaders, Front End Crawler Type	Bank excavation, intermittent ripping, basement digging of natural bed clays, sands, silts, gravels. Some traveling. Steady full throttle operations.	Loading shot rock, cobbles. High density materials in standard bucket. Continuous work on rock surfaces. Large amount of ripping of tight, rocky materials. High impact conditions.
Depreciation Period	10,000 Hrs.	8,000 Hrs.

GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

<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 maintenance with medium to heavy winter snow removal. Elevating grader use.	Maintenance of hard packed roads with embedded rock. Heavy fill spreading. Ripping-scarifying of asphalt or concrete. Continuous high load factor. High impact.
Depreciation Period	12,000 Hrs.	10,000 Hrs.
Loader Backhoes, Crawler or Wheel Mounted	Utility applications in medium to heavy soil. Occasional use of constant flow implements. Dig depths to 3.05m (10 ft.)	Production applications or digging in rock. Regular use of constant flow implements. Dig depths over 3.05m (10 ft.)
Depreciation Period	10,000 Hrs.	8,000 Hrs.
Log Skidders	Continuous turning, steady skidding for medium distances with moderate decking. Good underfooting: dry floor with few stumps and gradual rolling terrain.	Continuous turning, steady skidding for long distances with frequent decking. Poor underfoot conditions: wet floor, steep slopes, and numerous stumps.
Depreciation Period	10,000 Hrs.	8,000 Hrs.
Pipelayers	Typical pipelayer use in operating conditions ranging from very good to severe.	Continuous use in deep mud or water or on rock surfaces.
Depreciation Period	12,000 Hrs.	10,000 Hrs.

## APPENDIX D

### EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS

#### **TABLE LEGEND**

EK - Reference To Economic Index Key (see Appendix E).

C - Operating Conditions (A = average, S = severe).

DC - Discount Code on Equipment Cost (B = basic, S = special).  
Current Discount Rates: basic = 7.5%, special = 15%

LIFE - Equipment Life (hrs).

SLV - Equipment Salvage Value Percent (decimal format).

HPF - Horsepower Factor (for reference only).

#### Fuel Factor - Equipment and Carrier

E - Electric Consumption (kW/hp/hr).

G - Gasoline Consumption (gal/hp/hr).

D - Diesel Consumption (gal/hp/hr).

#### FOG - Filters,Oil and Grease (decimal format)

E - FOG Percent For Electric Power.

G - FOG Percent For Gasoline Power.

D - FOG Percent For Diesel Power.

#### Tire Factors (decimal format)

FT - Front Tire Wear Factor Percent.

DT - Drive Tire Wear Factor Percent.

TT - Trailing Tire Wear Factor Percent.

#### RPR - Repair Cost Factor Percent (decimal format)

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

CATEGORY SUB	TYPE OF EQUIPMENT	EK	C	DC	LIFE	SLV	HPF	FUEL FACTOR EQUIPMENT			HPF	FUEL FACTOR CARRIER			FOG			TIRE WEAR FACTORS			RPR	
								E	G	D		E	G	D	E	G	D	FT	DT	TT		
A10 .00	AGGREGATE/CHIP SPREADERS																					
A10 .10	SELF PROPELLED	10	A	B	10,000	.20	50	.500	.052	.028		0	.000	.000	.000	.00	.24	.24	.97	.69	.99	.75
A10 .20	TOWED & TAILGATE	10	A	B	6,000	.20	0	.000	.000	.000		0	.000	.000	.000	.00	.00	.00	.00	.00	.79	.60
A15 .00	AIR COMPRESSORS, PORTABLE																					
A15 .10	ROTARY SCREW	5	A	B	10,000	.25	65	.650	.067	.036		0	.000	.000	.000	.45	.32	.28	.00	.00	.90	.75
A20 .00	AIR HOSE, TOOLS & EQUIPMENT																					
A20 .10	AIR HOSES	5	A	B	3,500	.10	0	.000	.000	.000		0	.000	.000	.000	.00	.00	.00	.00	.00	1.50	
A20 .20	BLAST HOSE	5	A	B	3,500	.10	0	.000	.000	.000		0	.000	.000	.000	.00	.00	.00	.00	.00	1.65	
A20 .30	SANDBLASTERS & BREAKERS	5	A	B	4,000	.20	65	.650	.067	.036		0	.000	.000	.000	.45	.32	.28	.81	.65	.90	1.50
A25 .00	ASPHALT DISTRIBUTORS	10	A	B	8,000	.20	65	.650	.067	.036		0	.000	.000	.000	.00	.32	.28	.71	.57	.79	.85
A30 .00	ASPHALT FINISHERS/PAVERS																					
A30 .10	SELF PROPELLED	10	A	B	10,000	.20	65	.650	.067	.036		0	.000	.000	.000	.00	.32	.28	.83	.66	.92	1.00
A30 .20	TOWED	10	A	B	10,000	.20	65	.650	.067	.036		0	.000	.000	.000	.00	.32	.28	.83	.66	.92	.80
A35 .00	ASPHALT KETTLES	10	A	B	6,000	.20	65	.650	.067	.036		0	.000	.000	.000	.00	.32	.28	.76	.60	.84	.80
A40 .00	ASPHALT & CONCR. MILLERS/PROFILERS	10	A	B	10,000	.20	65	.650	.067	.036		0	.000	.000	.000	.00	.32	.28	.83	.66	.92	1.00
A45 .00	ASPHALT RECYCLERS & SEALERS	10	A	B	8,000	.20	65	.650	.067	.036		0	.000	.000	.000	.00	.32	.28	.76	.60	.84	.90
B00 .00	BACKHOE (SEE HYD. EXCAV.)																					
B10 .00	BATCH PLANTS, ASPHALT & CONCRETE																					
B15 .00	BROOMS, STREET SWEEPERS & FLUSHERS	95	A	B	8,000	.20	65	.650	.067	.036		0	.000	.000	.000	.00	.24	.28	.81	.65	.90	.80
B20 .00	BRUSH CHIPPERS	95	A	B	8,000	.20	65	.650	.067	.036		0	.000	.000	.000	.00	.32	.28	.00	.00	.90	.90
B25 .00	BUCKETS, CLAMSHELL	15	A	B	10,000	.15	0	.000	.000	.000		0	.000	.000	.000	.00	.00	.00	.00	.00	.70	
B25 .00	BUCKETS, CONCRETE	15	S	B	8,000	.15	0	.000	.000	.000		0	.000	.000	.000	.00	.00	.00	.00	.00	.80	
B30 .00	BUCKETS, GENERAL PURPOSE, MANUAL	15	A	B	10,000	.20	0	.000	.000	.000		0	.000	.000	.000	.00	.00	.00	.00	.00	.70	
B30 .20	LAYDOWN	15	A	B	10,000	.20	0	.000	.000	.000		0	.000	.000	.000	.00	.00	.00	.00	.00	.75	
B30 .30	LOWBOY	15	A	B	10,000	.20	0	.000	.000	.000		0	.000	.000	.000	.00	.00	.00	.00	.00	.80	
B30 .40	LOW SLUMP	15	A	B	10,000	.20	0	.000	.000	.000		0	.000	.000	.000	.00	.00	.00	.00	.00	.80	
B35 .00	BUCKETS, DRAGLINE																					
B35 .10	LIGHT WEIGHT	15	A	B	8,000	.15	0	.000	.000	.000		0	.000	.000	.000	.00	.00	.00	.00	.00	.70	
B35 .10	MEDIUM WEIGHT	15	S	B	6,500	.15	0	.000	.000	.000		0	.000	.000	.000	.00	.00	.00	.00	.00	.80	
B35 .20	HEAVY WEIGHT	15	A	B	9,000	.15	0	.000	.000	.000		0	.000	.000	.000	.00	.00	.00	.00	.00	.70	
B35 .20	CONCRETE	15	S	B	7,000	.15	0	.000	.000	.000		0	.000	.000	.000	.00	.00	.00	.00	.00	.80	
B35 .30	HEAVY WEIGHT	15	A	B	10,000	.15	0	.000	.000	.000		0	.000	.000	.000	.00	.00	.00	.00	.00	.70	
B35 .30	CHAIN SAWS	15	S	B	8,000	.15	0	.000	.000	.000		0	.000	.000	.000	.00	.00	.00	.00	.00	.80	
C05 .00	COMPACTORS, MANUALLY OPERATED	95	A	B	4,000	.15	90	.900	.093	.050		0	.000	.000	.000	.45	.32	.38	.00	.00	.00	2.50
C10 .00	CONCRETE BLASTERS	95	A	B	5,000	.20	90	.900	.093	.050		0	.000	.000	.000	.45	.24	.24	.00	.00	.85	1.20
C15 .00	CONCRETE BUGGIES	95	A	B	6,000	.20	70	.700	.072	.039		0	.000	.000	.000	.50	.32	.28	.00	.00	.90	.90
C20 .00	CONCRETE FINISHERS	95	A	B	5,000	.20	70	.700	.072	.039		0	.000	.000	.000	.50	.32	.28	.00	.66	.90	.70
C25 .00	CONCRETE GRINDERS	95	A	B	5,000	.20	70	.700	.072	.039		0	.000	.000	.000	.50	.32	.28	.00	.00	.90	.80
C30 .00	CONCRETE GUNITERS/SHOTCRETERS	95	A	B	7,000	.15	75	.750	.078	.042		0	.000	.000	.000	.45	.32	.28	.81	.65	.90	.90

## EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

CATEGORY SUB	TYPE OF EQUIPMENT	EK	C	DC	LIFE	SLV	HPF	FUEL FACTOR EQUIPMENT			HPF	FUEL FACTOR CARRIER			FOG			TIRE WEAR FACTORS	RPR		
								E	G	D		E	G	D	E	G	D	FT	DT	TT	
C40 .00	CONCRETE MIXERS	95	A	B	5,000	.20	70	.700	.072	.039	0	.000	.000	.000	.50	.32	.28	.00	.00	.90	.80
C45 .00	CONCRETE PAVING MACHINES	10	A	B	10,000	.20	75	.750	.078	.042	0	.000	.000	.000	.00	.32	.28	.83	.66	.92	1.00
C55 .00	CONCRETE PUMPS	95	A	B	8,000	.15	95	.950	.098	.053	0	.000	.000	.000	.45	.32	.28	.81	.65	.90	1.00
C60 .00	CONCRETE SAWS	95	A	B	6,000	.20	90	.900	.093	.050	0	.000	.000	.000	.45	.32	.38	.00	.00	.90	1.00
C65 .00	CONCRETE VIBRATORS	5	A	B	4,000	.20	65	.650	.067	.036	0	.000	.000	.000	.45	.32	.38	.00	.00	.00	2.50
C70 .00	CRANES, GANTRY & STRADDLE																				
C75 .00	CRANES, HYDRAULIC, SELF-PROP.	20	A	B	14,000	.15	75	.750	.078	.042	0	.000	.000	.000	.00	.32	.30	.89	.71	.90	.80
C80 .00	CRANES, HYDRAULIC, TRUCK MTD																				
C80 .01	UNDER 26 TON	20	A	B	14,000	.15	65	.650	.067	.036	10	.100	.010	.006	.00	.38	.36	.97	.78	.00	.60
C80 .01		20	S	B	12,000	.15	85	.850	.088	.047	13	.130	.013	.007	.00	.38	.36	.86	.61	.00	.65
C80 .02	26 TON THRU 65 TON	20	A	B	16,000	.15	65	.650	.067	.036	10	.100	.010	.006	.00	.30	.26	.97	.78	.00	.70
C80 .02		20	S	B	14,000	.15	85	.850	.088	.047	13	.130	.013	.007	.00	.30	.26	.86	.61	.00	.75
C80 .03	66 TON THRU 125 TON	20	A	B	18,000	.15	65	.650	.067	.036	10	.100	.010	.006	.00	.30	.26	.97	.78	.00	.80
C80 .03		20	S	B	16,000	.15	85	.850	.088	.047	13	.130	.013	.007	.00	.30	.26	.86	.61	.00	.85
C80 .04	OVER 125 TON	20	A	B	20,000	.15	65	.650	.067	.036	10	.100	.010	.006	.00	.30	.26	.97	.78	.00	.90
C80 .04		20	S	B	18,000	.15	85	.850	.088	.047	13	.130	.013	.007	.00	.30	.26	.86	.61	.00	.95
C85 .00	CRANES, MECHANICAL, CRAWLER MTD																				
C85 .10	DRAGLINE, CLAMSHELL																				
C85 .11	0 THRU 1 CY	20	A	B	12,000	.15	50	.500	.052	.028	0	.000	.000	.000	.00	.32	.32	.00	.00	.00	.80
C85 .11		20	S	B	10,000	.15	65	.650	.067	.036	0	.000	.000	.000	.00	.32	.32	.00	.00	.00	.90
C85 .12	OVER 1 CY THRU 2-1/2 CY	20	A	B	14,000	.15	50	.500	.052	.028	0	.000	.000	.000	.00	.34	.34	.00	.00	.00	.85
C85 .12		20	S	B	12,000	.15	65	.650	.067	.036	0	.000	.000	.000	.00	.34	.34	.00	.00	.00	.95
C85 .13	OVER 2-1/2 CY THRU 5 CY	20	A	B	16,000	.15	50	.500	.052	.028	0	.000	.000	.000	.00	.22	.22	.00	.00	.00	.95
C85 .13		20	S	B	14,000	.15	65	.650	.067	.036	0	.000	.000	.000	.00	.22	.22	.00	.00	.00	1.05
C85 .14	OVER 5 CY	20	A	B	18,000	.15	50	.500	.052	.028	0	.000	.000	.000	.00	.24	.24	.00	.00	.00	1.05
C85 .14		20	S	B	16,000	.15	65	.650	.067	.036	0	.000	.000	.000	.00	.24	.24	.00	.00	.00	1.15
C85 .20	LIFTING																				
C85 .21	0 THRU 25 TON	20	A	B	13,000	.15	40	.400	.041	.022	0	.000	.000	.000	.00	.32	.32	.00	.00	.00	.65
C85 .21		20	S	B	11,000	.15	52	.520	.054	.029	0	.000	.000	.000	.00	.32	.32	.00	.00	.00	.70
C85 .22	26 TON THRU 50 TON	20	A	B	15,000	.15	40	.400	.041	.022	0	.000	.000	.000	.00	.20	.20	.00	.00	.00	.75
C85 .22		20	S	B	13,000	.15	52	.520	.054	.029	0	.000	.000	.000	.00	.20	.20	.00	.00	.00	.80
C85 .23	51 TON THRU 150 TON	20	A	B	18,000	.15	40	.400	.041	.022	0	.000	.000	.000	.00	.22	.22	.00	.00	.00	.85
C85 .23		20	S	B	16,000	.15	52	.520	.054	.029	0	.000	.000	.000	.00	.22	.22	.00	.00	.00	.90
C85 .24	OVER 150 TON	20	A	B	20,000	.15	40	.400	.041	.022	0	.000	.000	.000	.00	.24	.24	.00	.00	.00	.95
C85 .24		20	S	B	18,000	.15	52	.520	.054	.029	0	.000	.000	.000	.00	.24	.24	.00	.00	.00	1.00
C90 .00	CRANES, MECHANICAL, TRUCK MTD																				
C90 .01	UNDER 26 TON	20	A	B	14,000	.15	65	.650	.067	.036	10	.100	.010	.006	.00	.38	.36	.97	.78	.00	.60
C90 .01		20	S	B	12,000	.15	85	.850	.088	.047	13	.130	.013	.007	.00	.38	.36	.86	.61	.00	.65
C90 .02	26 TON THRU 65 TON	20	A	B	16,000	.15	65	.650	.067	.036	10	.100	.010	.006	.00	.30	.26	.97	.78	.00	.70
C90 .02		20	S	B	14,000	.15	85	.850	.088	.047	13	.130	.013	.007	.00	.30	.26	.86	.61	.00	.75
C90 .03	66 TON THRU 125 TON	20	A	B	18,000	.15	65	.650	.067	.036	10	.100	.010	.006	.00	.30	.26	.97	.78	.00	.80

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

CATEGORY SUB	TYPE OF EQUIPMENT	EK	C	DC	LIFE	SLV	HPF	FUEL FACTOR EQUIPMENT			HPF	FUEL FACTOR CARRIER			FOG			TIRE WEAR FACTORS	RPR		
								E	G	D		E	G	D	E	G	D	FT	DT	TT	
C90 .03		20	S	B	16,000	.15	85	.850	.088	.047	13	.130	.013	.007	.00	.30	.26	.86	.61	.00	.85
C90 .04	OVER 125 TON	20	A	B	20,000	.15	65	.650	.067	.036	10	.100	.010	.006	.00	.30	.26	.97	.78	.00	.90
C90 .04		20	S	B	18,000	.15	85	.850	.088	.047	13	.130	.013	.007	.00	.30	.26	.86	.61	.00	.95
C95 .00	CRANES, TOWER	20	A	B	18,000	.20	65	.650	.067	.036	10	.100	.010	.006	.50	.30	.26	.00	.00	.00	.85
D10 .00	DRILLS, AIR TRACK, CRAWLER MTD	25	A	B	10,000	.20	80	.800	.083	.045	0	.000	.000	.000	.45	.32	.28	.62	.44	.00	1.00
D15 .00	DRILLS, BORING MACHINES	25	A	B	10,000	.20	80	.800	.083	.045	0	.000	.000	.000	.45	.32	.28	.62	.44	.00	.90
D20 .00	DRILLS, CORE, COLUMN MOUNTED	25	A	B	8,000	.20	80	.800	.083	.045	0	.000	.000	.000	.45	.16	.24	.00	.00	.00	.85
D25 .00	DRILLS, CORE, SKID MOUNTED	25	A	B	10,000	.20	80	.800	.083	.045	0	.000	.000	.000	.45	.16	.24	.00	.00	.90	1.00
D30 .00	DRILLS, EARTH/AUGER	25	A	B	10,000	.20	80	.800	.083	.045	13	.130	.013	.007	.45	.32	.28	.67	.57	.80	1.00
D35 .00	DRILLS, ROTARY BLAST HOLE																				
D35 .10	DIESEL OR GASOLINE																				
D35 .11	0" THRU 11" DIA. HOLE	25	A	B	14,000	.20	80	.800	.083	.045	10	.100	.010	.006	.00	.38	.38	.62	.44	.00	1.00
D35 .12	OVER 11" DIAM.	25	A	B	18,000	.20	80	.800	.083	.045	10	.100	.010	.006	.00	.32	.32	.62	.44	.00	1.00
D35 .20	ELECTRIC																				
D35 .21	0" THRU 11" DIA. HOLE	25	A	B	14,000	.20	70	.700	.072	.039	10	.100	.010	.006	.50	.00	.00	.62	.44	.00	.55
D35 .22	OVER 11" DIAM.	25	A	B	18,000	.20	70	.700	.072	.039	10	.100	.010	.006	.50	.00	.00	.62	.44	.00	.55
F10 .00	FORK LIFTS	95	A	B	10,000	.20	65	.650	.067	.036	0	.000	.000	.000	.45	.24	.24	.87	.78	.90	.75
G10 .00	GENERATOR SETS																				
G10 .10	PORTABLE	30	A	B	8,000	.15	65	.650	.067	.036	0	.000	.000	.000	.00	.24	.24	.00	.00	.90	.60
G10 .10		30	S	B	7,000	.15	85	.850	.088	.047	0	.000	.000	.000	.00	.24	.24	.00	.00	.90	.70
G10 .20	SKID MOUNTED	30	A	B	10,000	.15	65	.650	.067	.036	0	.000	.000	.000	.00	.24	.24	.00	.00	.90	.70
G10 .20		30	S	B	8,000	.15	85	.850	.088	.047	0	.000	.000	.000	.00	.24	.24	.00	.00	.90	.80
G15 .00	GRADERS, MOTOR	35	A	B	12,000	.25	60	.600	.062	.033	0	.000	.000	.000	.00	.20	.34	.89	.71	.00	.70
G15 .00		35	S	B	10,000	.25	78	.780	.081	.043	0	.000	.000	.000	.00	.20	.34	.71	.51	.00	.75
H10 .00	HAMMERS, HYDRAULIC	95	A	B	6,000	.20	65	.650	.067	.036	0	.000	.000	.000	.00	.32	.32	.00	.00	.00	1.00
H15 .00	HEATERS, SPACE																				
H20 .00	HOIST	95	A	B	9,000	.20	65	.650	.067	.036	0	.000	.000	.000	.00	.24	.24	.00	.00	.00	.80
H25 .00	HYDRAULIC EXCAVATORS, CRAWLER MTD																				
H25 .10	DIESEL OR GASOLINE																				
H25 .11	0 THRU 1 CY	65	A	B	8,000	.25	60	.600	.062	.033	0	.000	.000	.000	.00	.38	.38	.00	.00	.00	.70
H25 .11		65	S	B	6,500	.25	78	.780	.081	.043	0	.000	.000	.000	.00	.38	.38	.00	.00	.00	.80
H25 .12	OVER 1 CY THRU 2-1/2 CY	65	A	B	10,000	.20	60	.600	.062	.033	0	.000	.000	.000	.00	.38	.38	.00	.00	.00	.80
H25 .12		65	S	B	8,000	.20	78	.780	.081	.043	0	.000	.000	.000	.00	.38	.38	.00	.00	.00	.90
H25 .13	OVER 2-1/2 CY THRU 5 CY	65	A	B	12,000	.15	60	.600	.062	.033	0	.000	.000	.000	.00	.22	.22	.00	.00	.00	1.10
H25 .13		65	S	B	10,000	.15	78	.780	.081	.043	0	.000	.000	.000	.00	.22	.22	.00	.00	.00	1.20
H25 .14	OVER 5 CY	65	A	B	14,000	.15	60	.600	.062	.033	0	.000	.000	.000	.00	.24	.24	.00	.00	.00	1.20
H25 .14		65	S	B	12,000	.15	78	.780	.081	.043	0	.000	.000	.000	.00	.24	.24	.00	.00	.00	1.30
H30 .00	HYDRAULIC EXCAVATORS, WHEEL MTD																				
H30 .01	0 THRU 1 CY	65	A	B	8,000	.20	65	.650	.067	.036	10	.100	.010	.006	.00	.38	.36	.97	.78	.80	.50
H30 .01		65	S	B	6,500	.20	85	.850	.088	.047	13	.130	.013	.007	.00	.38	.36	.86	.61	.65	.55
H30 .02	OVER 1 CY	65	A	B	10,000	.15	65	.650	.067	.036	10	.100	.010	.006	.00	.38	.36	.97	.78	.80	.60

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**EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)**

CATEGORY SUB	TYPE OF EQUIPMENT	EK	C	DC	LIFE	SLV	FUEL FACTOR EQUIPMENT			HPF	FUEL FACTOR CARRIER			FOG			TIRE WEAR FACTORS			RPR
							E	G	D		E	G	D	E	G	D	FT	DT	TT	
H30 .02		65	S	B	8,000	.15	85	.850	.088 .047	13	.130	.013 .007	.00	.38	.36	.86	.61	.65	.65	
H35 .00	HYDRAULIC SHOVELS, CRAWLER MOUNTED																			
H35 .10	DIESEL																			
H35 .11	0 CY THRU 5 CY	65	A	B	14,000	.15	60	.000	.062 .033	0	.000	.000 .000	.00	.22	.22	.00	.00	.00	1.00	
H35 .11		65	S	B	12,000	.15	78	.000	.081 .043	0	.000	.000 .000	.00	.22	.22	.00	.00	.00	1.10	
H35 .12	OVER 5 CY	65	A	B	16,000	.15	60	.000	.062 .033	0	.000	.000 .000	.00	.24	.24	.00	.00	.00	1.20	
H35 .12		65	S	B	14,000	.15	78	.000	.081 .043	0	.000	.000 .000	.00	.24	.24	.00	.00	.00	1.30	
H35 .20	ELECTRIC																			
H35 .21	OVER 2-1/2 CY	65	A	B	18,000	.20	50	.500	.000 .000	0	.000	.000 .000	.25	.00	.00	.00	.00	.00	.80	
H35 .21		65	S	B	16,000	.20	65	.650	.000 .000	0	.000	.000 .000	.25	.00	.00	.00	.00	.00	.90	
L10 .00	LAND CLEARING EQUIPMENT	70	A	B	8,000	.20	60	.600	.062 .033	10	.100	.010 .006	.00	.30	.26	.72	.50	.90	.90	
L10 .00		70	S	B	6,500	.20	78	.780	.081 .043	13	.130	.013 .007	.00	.30	.26	.57	.35	.71	1.00	
L15 .00	LAWN MOWERS	95	A	B	4,000	.15	80	.800	.083 .045	0	.000	.000 .000	.45	.24	.24	.81	.65	.90	.70	
L20 .00	LIGHTING SETS, TRAILER MOUNTED																			
L20 .10	METALLIC VAPOR	95	A	B	8,000	.25	85	.850	.088 .047	0	.000	.000 .000	.00	.24	.24	.00	.00	.90	1.50	
L25 .00	LINE STRIPING EQUIPMENT	95	A	B	8,000	.25	85	.850	.088 .047	13	.130	.013 .007	.00	.24	.24	.72	.50	.90	1.20	
L30 .00	LOADERS, BELT	95	A	B	10,000	.20	65	.650	.067 .036	0	.000	.000 .000	.45	.28	.28	.26	.00	.99	1.00	
L30 .00		95	S	B	8,000	.20	85	.850	.088 .047	0	.000	.000 .000	.45	.28	.28	.16	.00	.96	1.10	
L35 .00	LOADERS, FRONT END, CRAWLER TYPE	40	A	B	10,000	.20	70	.700	.072 .039	0	.000	.000 .000	.00	.32	.38	.00	.00	.00	1.35	
L35 .00		40	S	B	8,000	.20	91	.910	.094 .051	0	.000	.000 .000	.00	.32	.38	.00	.00	.00	1.40	
L40 .00	LOADERS, FRONT END, WHEEL TYPE																			
L40 .10	ARTICULATED																			
L40 .11	0 THRU 225 HP	45	A	B	10,000	.25	65	.650	.067 .036	0	.000	.000 .000	.00	.32	.42	.70	.42	.00	.70	
L40 .11		45	S	B	8,000	.25	85	.850	.088 .047	0	.000	.000 .000	.00	.32	.42	.41	.22	.00	.75	
L40 .12	OVER 225 HP	45	A	B	12,000	.15	65	.650	.067 .036	0	.000	.000 .000	.00	.32	.30	.70	.42	.00	.70	
L40 .12		45	S	B	10,000	.15	85	.850	.088 .047	0	.000	.000 .000	.00	.32	.30	.41	.22	.00	.75	
L40 .20	SKID STEER																			
L40 .30	TOOL CARRIER																			
L40 .31	0 THRU 225 HP	45	A	B	10,000	.25	65	.650	.067 .036	0	.000	.000 .000	.00	.32	.42	.70	.42	.00	.75	
L40 .31		45	S	B	8,000	.25	85	.850	.088 .047	0	.000	.000 .000	.00	.32	.42	.41	.22	.00	.80	
L40 .32	OVER 225 HP	45	A	B	12,000	.15	65	.650	.067 .036	0	.000	.000 .000	.00	.32	.30	.70	.42	.00	.75	
L40 .32		45	S	B	10,000	.15	85	.850	.088 .047	0	.000	.000 .000	.00	.32	.30	.41	.22	.00	.80	
L45 .00	LOADERS w/ BACKHOE, CRAWLER TYPE	40	A	B	10,000	.20	70	.700	.072 .039	0	.000	.000 .000	.00	.32	.38	.00	.00	.00	1.35	
L45 .00		40	S	B	8,000	.20	91	.910	.094 .051	0	.000	.000 .000	.00	.32	.38	.00	.00	.00	1.40	
L50 .00	LOADERS w/ BACKHOE, WHEEL TYPE	45	A	B	10,000	.25	65	.650	.067 .036	0	.000	.000 .000	.00	.32	.32	.72	.50	.00	.80	
L50 .00		45	S	B	8,000	.25	85	.850	.088 .047	0	.000	.000 .000	.00	.32	.32	.57	.35	.00	.85	
L55 .00	LOADER/BACKHOE, ATTACHMENTS	95	A	B	6,000	.20	65	.650	.067 .036	0	.000	.000 .000	.00	.32	.32	.00	.00	.00	1.00	
L60 .00	LOG SKIDDERS	75	A	B	10,000	.15	65	.650	.067 .036	0	.000	.000 .000	.00	.24	.28	.73	.44	.00	.80	
L60 .00		75	S	B	8,000	.15	85	.850	.088 .047	0	.000	.000 .000	.00	.24	.28	.38	.21	.00	.85	
P10 .00	PILE EXTRACTORS & LEADS	50	A	B	6,000	.35	65	.650	.067 .036	0	.000	.000 .000	.00	.32	.32	.00	.00	.00	.80	
P20 .00	PILE HAMMERS, DOUBLE ACTING	50	A	B	6,000	.35	65	.650	.067 .036	0	.000	.000 .000	.00	.32	.32	.00	.00	.00	1.10	

## EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

CATEGORY SUB	TYPE OF EQUIPMENT	EK	C	DC	LIFE	SLV	HPF	FUEL FACTOR EQUIPMENT				HPF	FUEL FACTOR CARRIER				FOG			TIRE WEAR FACTORS			
								E	G	D	E		G	D	E	G	D	FT	DT	TT			
P25 .00	PILE HAMMERS, SINGLE ACTING	50	A	B	6,000	.35	65	.650	.067	.036	0	.000	.000	.000	.00	.32	.32	.00	.00	.00	1.00		
P30 .00	PILE HAMMERS, VIBRATORY	50	A	B	6,000	.35	65	.650	.067	.036	0	.000	.000	.000	.00	.32	.32	.00	.00	.00	1.00		
P35 .00	PIPELAYERS	70	A	B	12,000	.25	35	.350	.036	.020	0	.000	.000	.000	.00	.00	.40	.00	.00	.00	1.05		
P35 .00		70	S	B	10,000	.25	45	.450	.047	.025	0	.000	.000	.000	.00	.00	.40	.00	.00	.00	1.15		
P40 .00	PLATFORMS, AERIAL WORK	20	A	B	8,000	.20	50	.500	.052	.028	0	.000	.000	.000	.45	.32	.28	.81	.65	.90	.80		
P45 .00	PUMPS, GROUT	95	A	B	8,000	.15	95	.950	.098	.053	0	.000	.000	.000	.45	.32	.28	.81	.65	.90	1.00		
P50 .00	PUMPS, WATER, CENTRIFUGAL, TRASH																						
P50 .10	SKID MOUNTED																						
P50 .11	ENGINE DRIVE	95	A	B	8,000	.25	90	.900	.093	.050	0	.000	.000	.000	.00	.32	.38	.00	.00	.00	.90		
P50 .12	ELECTRIC DRIVE	95	A	B	8,000	.25	90	.900	.093	.050	0	.000	.000	.000	.45	.00	.00	.00	.00	.00	.50		
P50 .20	WHEEL MOUNTED																						
P50 .21	ENGINE DRIVE	95	A	B	8,000	.25	90	.900	.093	.050	0	.000	.000	.000	.00	.32	.38	.00	.00	.90	.90		
P50 .22	ELECTRIC DRIVE	95	A	B	8,000	.25	90	.900	.093	.050	0	.000	.000	.000	.45	.00	.00	.00	.00	.90	.50		
P55 .00	PUMPS, WATER, SUBMERSIBLE																						
P55 .01	ENGINE DRIVE	95	A	B	10,000	.25	90	.900	.093	.050	0	.000	.000	.000	.00	.32	.38	.00	.00	.00	1.00		
P55 .02	ELECTRIC DRIVE	95	A	B	10,000	.25	90	.900	.093	.050	0	.000	.000	.000	.45	.00	.00	.00	.00	.00	.60		
P60 .00	PUMPS, WATER, CENTRIF, DEWATERING																						
P60 .10	SKID MOUNTED																						
P60 .11	ENGINE DRIVE	95	A	B	8,000	.25	90	.900	.093	.050	0	.000	.000	.000	.00	.32	.38	.00	.00	.00	.90		
P60 .12	ELECTRIC DRIVE	95	A	B	8,000	.25	90	.900	.093	.050	0	.000	.000	.000	.45	.00	.00	.00	.00	.00	.50		
P60 .20	WHEEL MOUNTED																						
P60 .21	ENGINE DRIVE	95	A	B	8,000	.25	90	.900	.093	.050	0	.000	.000	.000	.00	.32	.38	.00	.00	.90	.90		
P60 .22	ELECTRIC DRIVE	95	A	B	8,000	.25	90	.900	.093	.050	0	.000	.000	.000	.45	.00	.00	.00	.00	.90	.50		
P65 .00	PUMPS, WATER, DIAPHRAGM																						
P65 .10	SKID MOUNTED																						
P65 .11	ENGINE DRIVE	95	A	B	8,000	.25	90	.900	.093	.050	0	.000	.000	.000	.00	.32	.38	.00	.00	.00	.90		
P65 .12	ELECTRIC DRIVE	95	A	B	8,000	.25	90	.900	.093	.050	0	.000	.000	.000	.45	.00	.00	.00	.00	.00	.50		
P65 .20	WHEEL MOUNTED																						
P65 .21	ENGINE DRIVE	95	A	B	8,000	.25	90	.900	.093	.050	0	.000	.000	.000	.00	.32	.38	.00	.00	.90	.80		
P65 .22	ELECTRIC DRIVE	95	A	B	8,000	.25	90	.900	.093	.050	0	.000	.000	.000	.45	.00	.00	.00	.00	.90	.40		
P70 .00	PUMPS, WATER (FOR CORE DRILLS)																						
P70 .01	ENGINE DRIVE	95	A	B	8,000	.25	90	.900	.093	.050	0	.000	.000	.000	.00	.32	.38	.00	.00	.00	.80		
P70 .02	ELECTRIC DRIVE	95	A	B	8,000	.25	90	.900	.093	.050	0	.000	.000	.000	.45	.00	.00	.00	.00	.00	.40		
R10 .00	RIPPERS & HYDRAULIC BANK SLOPERS	70	A	B	8,000	.20	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.00	.90		
R10 .00		70	S	B	6,500	.20	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.00	1.00		
R15 .00	ROLLERS, TOWED - PNEUMATIC	55	A	B	10,000	.20	65	.650	.067	.036	65	.650	.067	.036	.00	.24	.24	.76	.60	.84	.70		
R20 .00	ROLLERS, TOWED - STEEL DRUM	55	A	B	10,000	.20	65	.650	.067	.036	65	.650	.067	.036	.00	.24	.24	.76	.60	.84	.80		
R30 .00	ROLLERS, STATIC, SELF-PROPELLED																						
R30 .01	PNEUMATIC	55	A	B	8,000	.20	65	.650	.067	.036	65	.650	.067	.036	.00	.24	.24	.76	.60	.84	.70		
R30 .02	SMOOTH DRUM	55	A	B	10,000	.20	65	.650	.067	.036	65	.650	.067	.036	.00	.24	.24	.76	.60	.84	.80		
R30 .03	TAMPING FOOT	55	A	B	10,000	.20	65	.650	.067	.036	65	.650	.067	.036	.00	.24	.24	.76	.60	.84	.80		

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**EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)**

CATEGORY SUB	TYPE OF EQUIPMENT	EK	C	DC	LIFE	SLV	HPF	FUEL FACTOR EQUIPMENT			HPF	FUEL FACTOR CARRIER			FOG			TIRE WEAR FACTORS	RPR	
								E	G	D		E	G	D	E	G	D	FT	DT	TT
R40 .00	ROLLERS, VIBRATORY, TOWED	55	A	B	8,000	.20	90 .900 .093 .050	90 .900 .093 .050	90 .900 .093 .050	90 .900 .093 .050	.00	.32	.32	.76	.60	.84	.80			
R45 .00	ROLLERS, VIBRATORY, DOUBLE DRUM,	55	A	B	8,000	.20	90 .900 .093 .050	90 .900 .093 .050	90 .900 .093 .050	90 .900 .093 .050	.00	.32	.32	.76	.60	.84	1.10			
R50 .00	ROLLERS, VIBRATORY, SINGLE DRUM	55	A	B	8,000	.20	90 .900 .093 .050	90 .900 .093 .050	90 .900 .093 .050	90 .900 .093 .050	.00	.32	.32	.76	.60	.84	1.00			
R55 .00	ROOFING EQUIPMENT	95	A	B	6,000	.15	60 .600 .062 .033	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	.45	.24	.24	.00	.00	.90	.80			
S10 .00	SCRAPERS, ELEVATING																			
S10 .01	0 THRU 200 HP	60	A	B	10,000	.20	66 .660 .068 .037	66 .660 .068 .037	66 .660 .068 .037	66 .660 .068 .037	.00	.00	.40	.59	.33	.65	.75			
S10 .01		60	S	B	8,000	.20	86 .860 .089 .048	86 .860 .089 .048	86 .860 .089 .048	86 .860 .089 .048	.00	.00	.40	.39	.19	.43	.80			
S10 .02	OVER 200 HP	60	A	B	10,000	.15	66 .660 .068 .037	66 .660 .068 .037	66 .660 .068 .037	66 .660 .068 .037	.00	.00	.32	.59	.33	.65	.65			
S10 .02		60	S	B	8,000	.15	86 .860 .089 .048	86 .860 .089 .048	86 .860 .089 .048	86 .860 .089 .048	.00	.00	.32	.39	.19	.43	.70			
S15 .00	SCRAPERS, CONVENTIONAL	60	A	B	10,000	.15	60 .600 .062 .033	60 .600 .062 .033	60 .600 .062 .033	60 .600 .062 .033	.00	.00	.32	.59	.33	.65	.65			
S15 .00		60	S	B	8,000	.15	78 .780 .081 .043	78 .780 .081 .043	78 .780 .081 .043	78 .780 .081 .043	.00	.00	.32	.39	.19	.43	.70			
S20 .00	SCRAPERS, TANDEM POWERED	60	A	B	10,000	.15	62 .620 .064 .035	62 .620 .064 .035	62 .620 .064 .035	62 .620 .064 .035	.00	.00	.26	.59	.33	.65	.65			
S20 .00		60	S	B	8,000	.15	81 .810 .084 .045	81 .810 .084 .045	81 .810 .084 .045	81 .810 .084 .045	.00	.00	.26	.39	.19	.43	.70			
S25 .00	SCRAPERS, TRACTOR DRAWN	60	A	B	12,000	.20	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	.00	.00	.00	.65	.00	.72	.70			
S25 .00		60	S	B	10,000	.20	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	.00	.00	.00	.50	.00	.55	.75			
S30 .00	SCREENING PLANTS																			
S35 .00	SNOW REMOVAL EQUIPMENT	95	A	B	8,000	.20	66 .660 .068 .037	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	.00	.00	.28	.59	.33	.65	.80			
S40 .00	SOIL STABILIZERS	60	A	B	10,000	.20	66 .660 .068 .037	66 .660 .068 .037	66 .660 .068 .037	66 .660 .068 .037	.00	.00	.28	.59	.33	.65	.85			
S40 .00		60	S	B	8,000	.20	86 .860 .089 .048	86 .860 .089 .048	86 .860 .089 .048	86 .860 .089 .048	.00	.00	.28	.39	.19	.43	.95			
S45 .00	SPLITTERS, ROCK & CONCRETE	95	A	B	6,000	.20	65 .650 .067 .036	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	.00	.32	.32	.00	.00	.00	1.00			
T10 .00	TRACTOR BLADES & ATTACHMENTS	70	A	B	10,000	.20	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	.00	.00	.00	.00	.00	.00	.80			
T10 .00		70	S	B	8,000	.20	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	.00	.00	.00	.00	.00	.00	.90			
T15 .00	TRACTORS, CRAWLER (DOZER)																			
T15 .00	(PER UNIT FOR TANDEM TRACTORS)																			
T15 .01	0 THRU 225 HP	70	A	B	10,000	.25	70 .700 .072 .039	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	.00	.00	.36	.00	.00	.00	1.20			
T15 .01		70	S	B	8,000	.25	91 .910 .094 .051	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	.00	.00	.36	.00	.00	.00	1.30			
T15 .02	226 HP THRU 425 HP	70	A	B	10,000	.20	70 .700 .072 .039	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	.00	.00	.28	.00	.00	.00	1.00			
T15 .02		70	S	B	8,000	.20	91 .910 .094 .051	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	.00	.00	.28	.00	.00	.00	1.10			
T15 .03	OVER 425 HP	70	A	B	12,000	.15	70 .700 .072 .039	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	.00	.00	.24	.00	.00	.00	1.10			
T15 .03		70	S	B	10,000	.15	91 .910 .094 .051	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	.00	.00	.24	.00	.00	.00	1.20			
T20 .00	TRACTORS, WHEEL TYPE (DOZER)	75	A	B	10,000	.15	65 .650 .067 .036	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	.00	.24	.28	.73	.44	.00	.60			
T20 .00		75	S	B	8,000	.15	85 .850 .088 .047	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	.00	.24	.28	.38	.21	.00	.65			
T25 .00	TRACTORS, WHEEL TYPE (FARM)	75	A	B	8,000	.15	65 .650 .067 .036	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	.00	.24	.28	.73	.44	.00	.70			
T30 .00	TRENCHERS, CHAIN	80	A	B	8,000	.20	65 .650 .067 .036	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	.00	.28	.28	.91	.68	.00	.90			
T30 .00		80	S	B	6,500	.20	85 .850 .088 .047	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	.00	.28	.28	.77	.48	.00	1.00			
T35 .00	TRENCHERS, WHEEL TYPE	80	A	B	10,000	.20	65 .650 .067 .036	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	.00	.28	.28	.91	.68	.00	.90			
T35 .00		80	S	B	8,000	.20	85 .850 .088 .047	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	.00	.28	.28	.77	.48	.00	1.00			
T40 .00	TRUCK OPTIONS, (ADD TRUCK)																			
T40 .10	CRANES, HYDRAULIC	95	A	B	8,000	.20	65 .650 .067 .036	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	.45	.32	.32	.00	.00	.00	.80			
T40 .20	DUMP BODY, REAR	95	A	B	8,000	.20	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	.00	.00	.00	.00	.00	.00	.70			
T40 .20		95	S	B	6,500	.20	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	0 .000 .000 .000	.00	.00	.00	.00	.00	.00	.80			

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## EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

CATEGORY SUB	TYPE OF EQUIPMENT	EK	C	DC	LIFE	SLV	HPF	FUEL FACTOR EQUIPMENT			HPF	FUEL FACTOR CARRIER			FOG			TIRE WEAR FACTORS			RPR
								E	G	D		E	G	D	E	G	D	FT	DT	TT	
T40 .30	FLATBEDS, W/ CONT. SIDES	95	A	B	8,000	.20	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.00	.60
T40 .40	HOIST	95	A	B	8,000	.20	65	.650	.067	.036	0	.000	.000	.000	.45	.32	.32	.00	.00	.00	.70
T40 .41	ELECTRIC DRIVE	95	A	B	8,000	.15	65	.650	.067	.036	0	.000	.000	.000	.45	.32	.32	.00	.00	.00	.70
T40 .50	TRANSIT MIXERS	95	A	B	8,000	.20	65	.650	.067	.036	0	.000	.000	.000	.45	.32	.32	.00	.00	.00	.60
T40 .60	WATER TANKS	95	A	B	8,000	.20	65	.650	.067	.036	0	.000	.000	.000	.45	.32	.32	.00	.00	.00	.60
T40 .70	ALL OTHER OPTIONS	95	A	B	8,000	.20	65	.650	.067	.036	0	.000	.000	.000	.45	.32	.32	.56	.40	.62	.70
T45 .00	TRUCK TRAILERS,																				
T45 .10	BOTTOM DUMP	95	A	B	10,000	.15	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.00	.70
T45 .10		95	S	B	8,000	.15	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.54	.80
T45 .20	END DUMP	95	A	B	10,000	.15	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.65	.65
T45 .20		95	S	B	8,000	.15	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.54	.75
T45 .30	PUP TRAILER	95	A	B	8,000	.15	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.65	.60
T45 .40	LOWBOY (EQUIPMENT HAULING)																				
T45 .41	RIGID NECK, DROP DECK	95	A	B	10,000	.30	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.65	.50
T45 .50	PLATFORM TRAILER	95	A	B	10,000	.30	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.65	.50
T45 .60	TIILT TRAILER	95	A	B	10,000	.30	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.65	.50
T45 .70	WATER TANKER TRAILER	95	A	B	10,000	.30	65	.650	.067	.036	0	.000	.000	.000	.00	.00	.00	.00	.00	.65	.60
T45 .80	DECONTAMINATION FACILITY	95	A	B	8,000	.30	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.65	.70
T50 .00	TRUCKS, HIGHWAY																				
T50 .01	0 THRU 10,000 GVW	85	A	S	7,000	.25	15	.150	.016	.008	0	.000	.000	.000	.00	.28	.24	.41	.29	.00	.70
T50 .01		85	S	S	5,500	.25	20	.200	.021	.011	0	.000	.000	.000	.00	.28	.24	.36	.22	.00	.75
T50 .02	OVER 10,000 THRU 30,000 GVW	85	A	S	8,000	.25	35	.350	.036	.020	0	.000	.000	.000	.00	.30	.26	.49	.39	.00	.65
T50 .02		85	S	S	6,500	.25	46	.460	.048	.026	0	.000	.000	.000	.00	.30	.26	.42	.30	.00	.70
T50 .03	OVER 30,000 GVW	85	A	S	8,000	.20	50	.500	.052	.028	0	.000	.000	.000	.00	.32	.28	.51	.38	.57	.65
T50 .03		85	S	S	6,500	.20	65	.650	.067	.036	0	.000	.000	.000	.00	.32	.28	.43	.29	.48	.75
T55 .00	TRUCKS, OFF-HIGHWAY	90	A	B	12,000	.15	40	.400	.041	.022	0	.000	.000	.000	.00	.00	.34	.59	.36	.65	.60
T55 .00		90	S	B	10,000	.15	52	.520	.054	.029	0	.000	.000	.000	.00	.00	.34	.39	.21	.43	.70
T60 .00	TRUCKS, WATER, OFF-HIGHWAY	90	A	B	12,000	.20	65	.650	.067	.036	0	.000	.000	.000	.00	.24	.32	.73	.55	.81	.70
T60 .00		90	S	B	10,000	.20	85	.850	.088	.047	0	.000	.000	.000	.00	.24	.32	.56	.40	.62	.80
T65 .00	TUNNEL MINING MACHINES																				
W10 .00	WAGONS, BOTTOM DUMP	90	A	B	12,000	.15	65	.650	.067	.036	0	.000	.000	.000	.00	.24	.32	.59	.39	.65	.65
W10 .00		90	S	B	10,000	.15	85	.850	.088	.047	0	.000	.000	.000	.00	.24	.32	.39	.22	.43	.75
W15 .00	WAGONS, REAR DUMP	90	A	B	12,000	.15	65	.650	.067	.036	0	.000	.000	.000	.00	.24	.32	.59	.39	.65	.60
W15 .00		90	S	B	10,000	.15	85	.850	.088	.047	0	.000	.000	.000	.00	.24	.32	.39	.22	.43	.70
W25 .00	WATER BLASTERS																				
W25 .10	LOW PRESSURE, (< 5,000 PSI)	95	A	B	4,000	.20	95	.950	.098	.053	0	.000	.000	.000	.40	.24	.28	.00	.00	.90	1.10
W25 .20	HIGH PRESSURE, (>= 5,000 PSI)	95	A	B	6,000	.20	95	.950	.098	.053	0	.000	.000	.000	.40	.24	.28	.00	.00	.90	1.20
W25 .30	STEAM CLEANERS	95	A	B	4,000	.20	95	.950	.098	.053	0	.000	.000	.000	.40	.24	.28	.00	.00	.90	1.10
W30 .00	WATER TANKS																				
W30 .10	PORTABLE W/ WHEELS	90	A	B	12,000	.20	65	.650	.067	.036	0	.000	.000	.000	.00	.24	.28	.77	.73	.90	.60
W30 .20	SKID MOUNTED	90	A	B	12,000	.20	65	.650	.067	.036	0	.000	.000	.000	.00	.24	.28	.00	.00	.90	.50

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EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

CATEGORY SUB	TYPE OF EQUIPMENT	EK	C	DC	LIFE	SLV	HPF	FUEL FACTOR EQUIPMENT			HPF	FUEL FACTOR CARRIER			FOG			TIRE WEAR FACTORS			RPR	
								E	G	D		E	G	D	E	G	D	FT	DT	TT		
W35 .00	WELDERS																					
W35 .10	GASOLINE or DIESEL DRIVE	95	A	B	8,000	.30	80	.800	.083	.045		0	.000	.000	.000	.00	.24	.24	.00	.00	.90	.75
W35 .20	ELECTRICAL																					
W35 .21	ELECTRIC DRIVE	95	A	B	6,000	.25	60	.600	.062	.033		0	.000	.000	.000	.40	.00	.00	.00	.00	.90	.50
W35 .22	MIG	95	A	B	6,000	.25	60	.600	.062	.033		0	.000	.000	.000	.40	.00	.00	.00	.00	.90	.50
W35 .23	RECTIFIER	95	A	B	6,000	.25	60	.600	.062	.033		0	.000	.000	.000	.40	.00	.00	.00	.00	.90	.50
W35 .24	TRANSFORMER	95	A	B	6,000	.25	60	.600	.062	.033		0	.000	.000	.000	.40	.00	.00	.00	.00	.90	.50

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APPENDIX E  
ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT

*1967 = 1000*

EK		EQUIPMENT DIVISIONS	YEAR PURCHASE NEW																		
			1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	
			AGE IN YEARS																		
N/A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17				
5	Air Equipment	2060	1956	1888	1801	1730	1720	1733	1683	1695	1668	1563	1630	1521	1354	1295	1186	1165	1028		
10	Asphalt & Concrete Paving Equipment	3032	2961	2867	2793	2730	2687	2687	2611	2583	2620	2461	2296	2111	1941	1815	1686	1610	1451		
15	Buckets	5864	5644	5314	4872	4767	4713	4640	4527	4471	4541	4313	3879	3280	2963	2738	2520	2175	1838		
20	Cranes, Draglines & Clamshells - Crawler & Truck Mounted	4415	4149	3967	3688	3595	3485	3395	3339	3282	3213	3009	2782	2512	2301	2138	2010	1843	1522		
25	Drills	3191	3071	2969	2807	2792	2786	2832	2803	2836	2810	2602	2265	1993	1858	1699	1638	1559	1373		
30	Generators	4273	4113	3998	3773	3575	3514	3510	3400	3314	3236	3160	2817	2390	2301	2128	2053	1839	1456		
35	Graders, Motor	4498	4359	4219	4010	3914	3759	3738	3645	3643	3561	3276	2992	2687	2492	2259	2109	1956	1604		
40	Loaders, Track	4674	4560	4404	4163	3918	3770	3767	3791	3792	3655	3349	3061	2750	2482	2247	2053	1916	1573		
45	Loaders, Wheel	4712	4535	4409	4235	4099	3991	3973	3944	3873	3788	3441	2938	2606	2375	2156	2002	1907	1584		
50	Pile Driving Equipment	4349	4186	4029	3845	3745	3668	3626	3570	3519	3439	3208	2894	2562	2329	2135	1989	1852	1523		
55	Rollers	4753	4633	4507	4412	4217	4151	4090	3926	3744	3431	3199	2913	2653	2396	2139	1983	1872	1556		
60	Scrapers and Soil Stabilizers	4498	4359	4219	4010	3914	3759	3738	3645	3643	3561	3276	2992	2687	2492	2259	2109	1956	1604		
65	Shovels, Backhoes & Hydraulic Excavators	4232	4149	3967	3688	3595	3485	3395	3339	3282	3213	3009	2782	2512	2301	2138	2010	1843	1522		
70	Tractors, Crawlers Attachments	4706	4560	4404	4163	3918	3770	3767	3791	3792	3655	3349	3061	2750	2482	2247	2053	1916	1573		
75	Tractor, Wheel	4232	4125	4018	3936	3862	3820	3818	3656	3557	3530	3256	2927	2578	2319	2125	1956	1843	1498		
80	Trenchers	5076	4900	4753	4679	4600	4586	4488	4431	4360	4097	3618	3153	2772	2580	2300	1894	1633	1527		
85	Trucks, Highway	3684	3546	3495	3363	3299	3282	3139	3055	2934	2824	2638	2324	2108	1934	1775	1646	1524	1369		
90	Trucks & Wagons Off-Highway	4880	4621	4405	4094	3915	3840	3822	3786	3744	3662	3363	2964	2588	2364	2196	2081	1965	1568		
95	All Other Equip.	4349	4186	4029	3845	3745	3668	3626	3570	3519	3439	3208	2894	2562	2329	2135	1989	1852	1523		
100	All Tires & Tubes	2566	2470	2480	2399	2322	2340	2374	2421	2453	2552	2506	2369	2055	1792	1699	1615	1485	1334		
105	Marine Equipment	4438	4271	4091	3920	3886	3863	3749	3633	3497	3391	3239	2922	2587	2352	2156	2008	1870	1538		

EK = ECONOMIC KEY

## **ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT (Continued)**

1967 = 1000

EQUIPMENT DIVISIONS		YEAR PURCHASE NEW																		
		1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960	1959	1958	1957		
		AGE IN YEARS																		
EK		18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
5	Air Equipment	935	920	929	936	918	970	1000	992	954	872	853	843	846	781	775	743	706		
10	Asphalt & Concrete Paving Equipment	1304	1263	1235	1163	1091	1044	1000	963	931	905	872	858	844	830	812	777	745		
15	Buckets	1430	1370	1316	1188	1062	1025	1000	1000	1003	978	971	953	950	950	960	1020	1014		
20	Cranes, Draglines & Clamshells - Crawler & Truck Mounted	1305	1260	1212	1147	1090	1049	1000	967	930	914	890	868	862	859	841	817	795		
25	Drills	1249	1184	1160	1115	1052	1037	1000	993	971	914	904	904	901	852	851	798	737		
30	Generators	1316	1293	1243	1188	1089	1029	1000	947	924	916	901	892	932	1007	1007	987	936		
35	Graders, Motor	1361	1244	1208	1152	1101	1053	1000	975	951	923	903	877	869	872	866	829	802		
40	Loaders, Track	1329	1219	1184	1135	1100	1079	1000	956	936	914	882	861	857	840	817	786	748		
45	Loaders, Wheel	1362	1317	1261	1197	1144	N/A	N/A												
50	Pile Driving Equipment	1307	1257	1218	1159	1104	N/A	N/A												
55	Rollers	1328	1279	1230	1178	1082	1049	1000	962	936	908	903	900	885	874	819	749	706		
60	Scrapers and Soil Stabilizers	1361	1244	1208	1152	1101	1053	1000	975	951	923	903	877	869	872	866	829	802		
65	Shovels, Backhoes & Hydraulic Excavators	1305	1260	1212	1147	1090	1049	1000	967	930	914	890	868	862	859	841	817	795		
70	Tractors, Crawlers Attachments	1329	1219	1184	1135	1100	1079	1000	956	936	914	882	861	857	840	817	786	748		
75	Tractor, Wheel	1288	1251	1211	1152	1109	1050	1000	962	927	902	875	858	858	852	842	825	792		
80	Trenchers	1384	1316	1284	1207	1113	1051	1000	990	961	950	919	915	902	888	859	833	825		
85	Trucks, Highway	1230	1211	1185	1114	1062	1033	1000	980	975	965	967	975	981	981	1006	986	945		
90	Trucks & Wagons Off-Highway	1315	1293	1245	1190	1135	N/A	N/A												
95	All Other Equip.	1307	1257	1218	1159	1104	1057	1000	965	936	912	890	875	873	859	841	812	782		
100	All Tires & Tubes	1114	N/A	N/A																
105	Marine Equipment	1320	1269	1230	1170	1115	1067	1000	974	945	921	899	883	881	867	849	820	790		

EK = ECONOMIC KEY

**APPENDIX F**  
**TIRE DESCRIPTION AND TIRE COST**

The current tire description and tire costs used to develop the rates in the TABLE 3-1 are tabulated on the following pages. These tire prices include allowances for contractor's discount, sales tax, excise tax, and tire tubes where applicable. This data is provided to give the user reasonable estimated values for the tires used in conjunction with rate development in this pamphlet. Belts for loaders are also included.

**TIRE DESCRIPTION AND TIRE COST (Continued)**

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE <sup>(1)</sup>	COST (\$) PER EACH
TIRE GROUP: LT TRUCK					
RIB HI-MILER					
	670-15	6.70 x 15.00	6	TT	59
	700-15	7.00 x 15.00	6	TL	69
	650-16	6.50 x 16.00	6	TT	64
TRACKER LT BLACK					
	700-14	7.00 x 14.00	6	TL	71
	700-14	7.00 x 14.00	8	TL	73
	700-15	7.00 x 15.00	6	TL	83
	H78-15	7.80 x 15.00	6	TL	90
	G78-15	7.80 x 15.00	6	TL	87
	L78-15	7.80 x 15.00	6	TL	93
	800-165	8.00 x 16.50	8	TL	99
	875-165	8.75 x 16.50	8	TL	107
	875-165	8.75 x 16.50	10	TL	118
	950-165	9.50 x 16.50	8	TL	116
	950-165	9.50 x 16.50	10	TL	126
SUPER HI-MILER					
	670-15	6.70 x 15.00	6	TL	94
	700-15	7.00 x 15.00	6	TL	101
	700-15	7.00 x 15.00	8	TL	107
	750-15	7.50 x 15.00	8	TT	92
	650-16	6.50 x 16.00	6	TL	101
	750-16	7.50 x 16.00	8	TL	114
	750-16	7.50 x 16.00	10	TL	129
	750-16	7.50 x 16.00	8	TT	123
	800-195	8.00 x 19.50	8	TL	168
	750-20	7.50 x 20.00	8	TT	155
	825-20	8.25 x 20.00	10	TT	215
	825-20	8.25 x 20.00	12	TT	280
	900-20	9.00 x 20.00	10	TT	247
	900-20	9.00 x 20.00	12	TT	302
	1000-20	10.00 x 20.00	12	TT	311
	1000-20	10.00 x 20.00	14	TT	380
	1100-20	11.00 x 20.00	12	TT	375
	1100-20	11.00 x 20.00	14	TT	423
	1000-22	10.00 x 22.00	12	TT	345
	1100-22	11.00 x 22.00	12	TT	396
	1100-22	11.00 x 22.00	14	TT	441
	750-20	7.50 x 20.00	10	TT	165
	825-20	8.25 x 20.00	10	TT	165
	825-20	8.25 x 20.00	12	TT	197
	900-20	9.00 x 20.00	10	TT	194
	900-20	9.00 x 20.00	12	TT	222
	1000-20	10.00 x 20.00	12	TT	257
	1000-20	10.00 x 20.00	14	TT	295
	1100-20	11.00 x 20.00	12	TT	309

<sup>(1)</sup> TT = Tube-Type Tires, TL = Tubeless Tires

## TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE <sup>(1)</sup>	COST (\$) PER EACH
<b>TIRE GROUP: LT TRUCK</b>					
<b>SUPER HI-MILER</b>					
	1100-20	11.00 x 20.00	14	TT	354
	1000-22	10.00 x 22.00	12	TT	301
	1100-22	11.00 x 22.00	14	TT	367
	1000-225	10.00 x 22.50	10	TT	195
	1100-225	11.00 x 22.50	12	TT	265
	1100-245	11.00 x 24.50	12	TT	319
<b>CUSTOM HI-MILER</b>					
	1200-165	12.00 x 16.50	10	TT	152
	1400-175	14.00 x 17.50	10	TT	403
	1100-20	11.00 x 20.00	14	TT	465
	1200-20	12.00 x 20.00	14	TT	549
	1200-20	12.00 x 20.00	16	TT	603
	1400-20	14.00 x 20.00	18	TT	795
	1200-20	12.00 x 20.00	16	TT	520
	1200-20	12.00 x 20.00	14	TT	457
	1400-20	14.00 x 20.00	18	TT	653
	1400-24	14.00 x 24.00	20	TT	795
<b>RIB HI-MILER LP TRAILER</b>					
	690-15	6.90 x 15.00	8	TT	136
	750-15	7.50 x 15.00	12	TT	212
	825-15	8.25 x 15.00	12	TT	222
	825-15	8.25 x 15.00	14	TT	260
	900-15	9.00 x 15.00	12	TT	239
	1000-15	10.00 x 15.00	12	TT	281
	1000-15	10.00 x 15.00	14	TT	316
<b>CUSTOM HI-MILER SUPER SINGLE</b>					
	12-165	12.00 x 16.50	10	TL	206
	12-165	12.00 x 16.50	12	TL	232
	14-175	14.00 x 17.50	10	TL	445
	15-225	15.00 x 22.50	16	TL	634
	165-225	16.50 x 22.50	16	TL	712
	18-225	18.00 x 22.50	16	TL	672
	18-225	18.00 x 22.50	18	TL	743
	18-195	18.00 x 19.50	18	TL	720
	15-225	15.00 x 22.50	14	TL	532
	15-225	15.00 x 22.50	16	TL	547
	165-225	16.50 x 22.50	16	TL	605
	18-225	18.00 x 22.50	16	TL	692
	18-225	18.00 x 22.50	18	TL	728
<b>TRACKER LT II</b>					
	7-15	7.00 x 15.00	6	TL	102
	7-15	7.00 x 15.00	8	TL	107

<sup>(1)</sup> TT = Tube-Type Tires, TL = Tubeless Tires

## TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE <sup>(1)</sup>	COST (\$) PER EACH
TIRE GROUP: COMMERCIAL - OVER THE ROAD					
SUPER HI-MILER					
	670-15	6.70 x 15.00	6	TL	94
	700-15	7.00 x 15.00	6	TL	101
	700-15	7.00 x 15.00	8	TL	107
	750-15	7.50 x 15.00	8	TT	92
	650-16	6.50 x 16.00	6	TL	101
	750-16	7.50 x 16.00	8	TL	114
	750-16	7.50 x 16.00	10	TL	129
	750-16	7.50 x 16.00	8	TT	123
	800-195	8.00 x 19.50	8	TL	168
	750-20	7.50 x 20.00	8	TT	155
	825-20	8.25 x 20.00	10	TT	215
	825-20	8.25 x 20.00	12	TT	280
	900-20	9.00 x 20.00	10	TT	247
	900-20	9.00 x 20.00	12	TT	302
	1000-20	10.00 x 20.00	12	TT	311
	1000-20	10.00 x 20.00	14	TT	380
	1100-20	11.00 x 20.00	12	TT	375
	1100-20	11.00 x 20.00	14	TT	423
	1000-22	10.00 x 22.00	12	TT	345
	1100-22	11.00 x 22.00	12	TT	396
	1100-22	11.00 x 22.00	14	TT	441
	750-20	7.50 x 20.00	10	TT	165
	825-20	8.25 x 20.00	10	TT	165
	825-20	8.25 x 20.00	12	TT	197
	900-20	9.00 x 20.00	10	TT	194
	900-20	9.00 x 20.00	12	TT	222
	1000-20	10.00 x 20.00	12	TT	257
	1000-20	10.00 x 20.00	14	TT	295
	1100-20	11.00 x 20.00	12	TT	309
	1100-20	11.00 x 20.00	14	TT	354
	1000-22	10.00 x 22.00	12	TT	301
	1100-22	11.00 x 22.00	14	TT	367
	1000-225	10.00 x 22.50	10	TT	195
	1100-225	11.00 x 22.50	12	TT	265
	1100-245	11.00 x 24.50	12	TT	319
CUSTOM HI-MILER					
	1200-165	12.00 x 16.50	10	TT	152
	1400-175	14.00 x 17.50	10	TT	403
	1100-20	11.00 x 20.00	14	TT	465
	1200-20	12.00 x 20.00	14	TT	549
	1200-20	12.00 x 20.00	16	TT	603
	1400-20	14.00 x 20.00	18	TT	795
	1200-20	12.00 x 20.00	16	TT	520
	1200-20	12.00 x 20.00	14	TT	457
	1400-20	14.00 x 20.00	18	TT	653

<sup>(1)</sup> TT = Tube-Type Tires, TL = Tubeless Tires

## TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE <sup>(1)</sup>	COST (\$) PER EACH
<b>TIRE GROUP: COMMERCIAL - OVER THE ROAD</b>					
CUSTOM HI-MILER					
SRL 1	1400-24	14.00 x 24.00	20	TT	795
	900-20	9.00 x 20.00	20	TT	309
	1000-20	10.00 x 20.00	12	TT	351
	1000-20	10.00 x 20.00	20	TT	404
	1100-20	11.00 x 20.00	14	TT	435
	1400-20	14.00 x 20.00	18	TT	826
	1100-22	11.00 x 22.00	22	TT	467
	1400-24	14.00 x 24.00	18	TT	901
	1400-24	14.00 x 24.00	20	TT	936
CUSTOM CROSS RIB HI-MILER					
	900-20	9.00 x 20.00	10	TT	233
	1000-20	10.00 x 20.00	12	TT	282
	1100-20	11.00 x 20.00	12	TT	396
	1100-20	11.00 x 20.00	14	TT	411
	1000-22	10.00 x 22.00	12	TT	355
	1100-22	11.00 x 22.00	12	TT	392
	11-225	11.00 x 22.50	12	TL	283
CUSTOM HI-MILER SUPER SINGLE					
	12-165	12.00 x 16.50	10	TL	206
	12-165	12.00 x 16.50	12	TL	232
	14-175	14.00 x 17.50	10	TL	445
	15-225	15.00 x 22.50	16	TL	634
	165-225	16.50 x 22.50	16	TL	712
	18-225	18.00 x 22.50	16	TL	672
	18-225	18.00 x 22.50	18	TL	743
	18-195	18.00 x 19.50	18	TL	720
	15-225	15.00 x 22.50	14	TL	532
	15-225	15.00 x 22.50	16	TL	547
	165-225	16.50 x 22.50	16	TL	605
	18-225	18.00 x 22.50	16	TL	692
	18-225	18.00 x 22.50	18	TL	728
CUSTOM XTRA GRIP HI-MILER					
	750-20	7.50 x 20.00	10	TT	176
	825-20	8.25 x 20.00	10	TT	193
	900-20	9.00 x 20.00	10	TT	223
	900-20	9.00 x 20.00	12	TT	261
	1000-20	10.00 x 20.00	12	TT	282
	1000-20	10.00 x 20.00	14	TT	325
	1100-20	11.00 x 20.00	12	TT	329
	1100-20	11.00 x 20.00	14	TT	377
HI-MILER LPT					
	750-15	7.50 x 15.00	12	TT	185
	825-15	8.25 x 15.00	12	TT	192
	825-15	8.25 x 15.00	14	TT	218

<sup>(1)</sup> TT = Tube-Type Tires, TL = Tubeless Tires

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TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE <sup>(1)</sup>	COST (\$) PER EACH
TIRE GROUP: COMMERCIAL - OVER THE ROAD					
HI-MILER LPT					
	900-15	9.00 x 15.00	12	TT	222
	1000-15	10.00 x 15.00	14	TT	277

<sup>(1)</sup> TT = Tube-Type Tires, TL = Tubeless Tires

## TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE <sup>(1)</sup>	COST (\$) PER EACH
<b>TIRE GROUP: FARM TIRES</b>					
<b>POWER TORQUE REAR TRACTOR R-1</b>					
950-16	9.50 x 16.00	6	TT	235	
184-161	18.40 x 16.10	6	TL	441	
136-26	13.60 x 26.00	6	TT	424	
149-26	14.90 x 26.00	6	TT	470	
136-28	13.60 x 28.00	6	TL	401	
184-28	18.40 x 28.00	6	TT	682	
<b>ALL WEATHER REAR TRACTOR R-3</b>					
95-16	9.50 x 16.00	4	TT	200	
124-16	12.40 x 16.00	8	TL	252	
124-16	12.40 x 16.00	12	TT	333	
136-161	13.60 x 16.10	8	TL	457	
165L-161	16.50 x 16.10	6	TL	436	
184-161	18.40 x 16.10	6	TT	565	
184-161	18.40 x 16.10	8	TL	610	
83-24	8.30 x 24.00	4	TT	201	
95-24	9.50 x 24.00	4	TT	235	
149-24	14.90 x 24.00	6	TT	457	
149-24	14.90 x 24.00	8	TT	524	
169-24	16.90 x 24.00	6	TT	552	
184-26	18.40 x 26.00	6	TL	637	
184-26	18.40 x 26.00	10	TL	833	
231-26	23.10 x 26.00	8	TT	1,090	
231-26	23.10 x 26.00	10	TT	1,251	
231-26	23.10 x 26.00	10	TL	1,259	
231-26	23.10 x 26.00	12	TL	1,449	
231-26	23.10 x 26.00	8	TL	1,096	
28L-26	28.00 x 26.00	10	TL	1,631	
28L-26	28.00 x 26.00	12	TL	1,782	
136-28	13.60 x 28.00	4	TT	379	
136-28	13.60 x 28.00	6	TT	437	
136-28	13.60 x 28.00	6	TL	451	
245-32	24.50 x 32.00	12	TL	2,082	
305L-32	30.50 x 32.00	12	TL	2,856	
305L-32	30.50 x 32.00	16	TT	3,562	
169-34	16.90 x 34.00	10	TL	1,083	
<b>INDUSTRIAL SURE GRIP R-4</b>					
149-24	14.90 x 24.00	6	TL	423	
149-24	14.90 x 24.00	8	TT	482	
149-24	14.90 x 24.00	8	TL	489	
149-24	14.90 x 24.00	6	TT	425	
169-24	16.90 x 24.00	6	TL	519	
169-24	16.90 x 24.00	10	TL	675	
169-24	16.90 x 24.00	8	TL	663	
169-24	16.90 x 24.00	8	TT	602	
184-24	18.40 x 24.00	8	TL	872	

<sup>(1)</sup> TT = Tube-Type Tires, TL = Tubeless Tires

**TIRE DESCRIPTION AND TIRE COST (Continued)**

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE <sup>(1)</sup>	COST (\$) PER EACH
<b>TIRE GROUP: FARM TIRES</b>					
<b>INDUSTRIAL SURE GRIP R-4</b>					
	184-24	18.40 x 24.00	10	TL	982
	184-24	18.40 x 24.00	12	TT	1,095
	149-28	14.90 x 28.00	8	TT	632
	149-28	14.90 x 28.00	14	TL	823
	169-28	16.90 x 28.00	10	TL	795
	169-28	16.90 x 28.00	8	TT	745
	184-28	18.40 x 28.00	8	TT	867
	184-28	18.40 x 28.00	12	TT	1,142
<b>LOGGER LUG STEELGARD LS-2</b>					
	184-26	18.40 x 26.00	10	TT	1,396
	231-26	23.10 x 26.00	10	TT	2,221
	28L-26	28.00 x 26.00	12	TT	2,574
	245-32	24.50 x 32.00	12	TT	3,090
	245-32	24.50 x 32.00	16	TT	3,970
	305L-32	30.50 x 32.00	12	TT	3,666
	305L-32	30.50 x 32.00	16	TT	5,240
	184-34	18.40 x 34.00	10	TT	1,802
<b>TRACTION TORQUE REAR TRACTOR R-1</b>					
	149-24	14.90 x 24.00	6	TT	319
	169-24	16.90 x 24.00	6	TT	412
	231-26	23.10 x 26.00	8	TT	998
	184-30	18.40 x 30.00	10	TT	900
	112-36	11.20 x 36.00	4	TT	300
	124-36	12.40 x 36.00	4	TT	333
	139-36	13.90 x 36.00	4	TT	376
	112-38	11.20 x 38.00	4	TT	317
	149-38	14.90 x 38.00	4	TT	468
<b>SINGLE RIB FRONT TRACTOR F-1</b>					
	600-16	6.00 x 16.00	4	TT	92
	750-16	7.50 x 16.00	6	TT	140
	1000-16	10.00 x 16.00	6	TT	192
<b>FARM SERVICE I-1</b>					
	750-14	7.50 x 14.00	4	TL	62
	85L-14	8.50 x 14.00	6	TT	91
	95L-14	9.50 x 14.00	4	TL	83
	95L-14	9.50 x 14.00	6	TL	92
	95L-14	9.50 x 14.00	6	TT	100
	11L-14	11.00 x 14.00	4	TL	107
	11L-14	11.00 x 14.00	6	TL	98
	11L-14	11.00 x 14.00	6	TT	108
	95L-15	9.50 x 15.00	6	TL	94
	95L-15	9.50 x 15.00	8	TT	112
	95L-15	9.50 x 15.00	6	TT	102
	1000-15	10.00 x 15.00	8	TL	118
	11L-15	11.00 x 15.00	6	TL	103

<sup>(1)</sup> TT = Tube-Type Tires, TL = Tubeless Tires

## TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE <sup>(1)</sup>	COST (\$) PER EACH
<b>TIRE GROUP: FARM TIRES</b>					
<b>FARM SERVICE I-1</b>					
11L-15	11.00 x 15.00	12	TL	154	
11L-15	11.00 x 15.00	12	TT	162	
11L-15	11.00 x 15.00	8	TT	115	
11L-15	11.00 x 15.00	10	TL	132	
11L-15	11.00 x 15.00	8	TL	107	
11L-15	11.00 x 15.00	6	TT	111	
125L-15	12.50 x 15.00	8	TT	138	
125L-15	12.50 x 15.00	12	TL	177	
125L-15	12.50 x 15.00	12	TL	177	
125L-15	12.50 x 15.00	10	TT	164	
125L-15	12.50 x 15.00	8	TL	132	
11L-16	11.00 x 16.00	8	TL	122	
11L-16	11.00 x 16.00	10	TL	142	
11L-16	11.00 x 16.00	10	TT	148	
11L-16	11.00 x 16.00	8	TT	130	
125L-16	12.50 x 16.00	8	TL	152	
125L-16	12.50 x 16.00	12	TL	177	
125L-16	12.50 x 16.00	8	TT	157	
14L-161	14.00 x 16.10	6	TL	236	
165L-161	16.50 x 16.10	8	TL	285	
165L-161	16.50 x 16.10	10	TL	315	
19L-161	19.00 x 16.10	8	TL	356	
19L-161	19.00 x 16.10	10	TL	418	
215L-161	21.50 x 16.10	10	TL	437	
215L-161	21.50 x 16.10	14	TL	512	
<b>IMPLEMENT RIB I-1</b>					
400-09	4.00 x 9.00	4	TT	42	
900-10	9.00 x 10.00	4	TT	97	
400-12	4.00 x 12.00	4	TT	42	
500-15	5.00 x 15.00	4	TT	59	
590-15	5.90 x 15.00	4	TL	60	
640-15	6.40 x 15.00	6	TL	66	
670-15	6.70 x 15.00	4	TL	66	
670-15	6.70 x 15.00	6	TT	76	
760-15	7.60 x 15.00	4	TL	86	
760-15	7.60 x 15.00	6	TT	93	
760-15	7.60 x 15.00	6	TL	91	
600-16	6.00 x 16.00	6	TT	79	
650-16	6.50 x 16.00	6	TT	78	
750-16	7.50 x 16.00	6	TT	104	
750-16	7.50 x 16.00	8	TT	105	
750-16	7.50 x 16.00	10	TT	133	
900-16	9.00 x 16.00	10	TT	160	
400-18	4.00 x 18.00	4	TT	66	
750-18	7.50 x 18.00	6	TT	121	

<sup>(1)</sup> TT = Tube-Type Tires, TL = Tubeless Tires

**TIRE DESCRIPTION AND TIRE COST (Continued)**

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE <sup>(1)</sup>	COST (\$) PER EACH
<b>TIRE GROUP: FARM TIRES</b>					
<b>IMPLEMENT RIB I-1</b>					
	750-20	7.50 x 20.00	4	TL	132
	750-20	7.50 x 20.00	6	TT	134
	900-24	9.00 x 24.00	6	TL	252
	900-24	9.00 x 24.00	8	TL	303
	900-24	9.00 x 24.00	8	TT	262
	1125-24	11.25 x 24.00	8	TT	342
	1125-24	11.25 x 24.00	8	TL	335
	1125-28	11.25 x 28.00	12	TT	453
<b>LABORER F-3</b>					
	11L-15	11.00 x 15.00	8	TL	138
	11-15	11.00 x 15.00	10	TL	156
	800-16	8.00 x 16.00	6	TL	108
	800-16	8.00 x 16.00	10	TL	128
	11L-16	11.00 x 16.00	8	TL	168
	11L-16	11.00 x 16.00	12	TL	207
	11L-16	11.00 x 16.00	10	TL	183
	145/75-161	14.50 x 16.10	10	TL	344
<b>SMOOTH</b>					
	169-30	16.90 x 30.00	6	TL	935
<b>ALL SERVICE SUPER SINGLE</b>					
	15-195	15.00 x 19.50	14	TL	480
	18-195	18.00 x 19.50	16	TL	769
<b>INDUSTRIAL TORQUE R-4</b>					
	175L-8	17.50 x 8.00	8	TL	619
	195L-8	19.50 x 8.00	8	TL	680
	175L-24	17.50 x 24.00	6	TL	484
	175L-24	17.50 x 24.00	10	TL	712
	195L-24	19.50 x 24.00	10	TL	794
	195L-24	19.50 x 24.00	12	TL	878
	21L-24	21.00 x 24.00	10	TL	920
	21L	21.00 x 24.00	16	TL	1,369
	21L	21.00 x 24.00	12	TL	1,035
	21L-28	21.00 x 28.00	10	TL	1,058
	21L-28	21.00 x 28.00	14	TL	1,147
<b>DYNA TORQUE II REAR TRACTOR R-1</b>					
	112-16	11.20 x 16.00	4	TL	161
	83-24	8.30 x 24.00	4	TT	177
	83-24	8.30 x 24.00	6	TT	202
	95-24	9.50 x 24.00	4	TT	205
	95-24	9.50 x 24.00	6	TT	232
	112-24	11.20 x 24.00	4	TT	221
	112-24	11.20 x 24.00	8	TT	285
	112-24	11.20 x 24.00	6	TT	261
	124-24	12.40 x 24.00	4	TT	265
	124-24	12.40 x 24.00	8	TT	336

<sup>(1)</sup> TT = Tube-Type Tires, TL = Tubeless Tires

## TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE <sup>(1)</sup>	COST (\$) PER EACH
<b>TIRE GROUP: FARM TIRES</b>					
<b>DYNA TORQUE II REAR TRACTOR R-1</b>					
124-24	12.40 x 24.00	8	TL	347	
124-24	12.40 x 24.00	6	TL	308	
136-24	13.60 x 24.00	4	TT	344	
136-24	13.60 x 24.00	8	TT	411	
149-24	14.90 x 24.00	4	TT	348	
149-24	14.90 x 24.00	6	TL	380	
149-24	14.90 x 24.00	8	TL	443	
149-24	14.90 x 24.00	6	TT	375	
169-24	16.90 x 24.00	6	TT	472	
184-26	18.40 x 26.00	6	TT	495	
184-26	18.40 x 26.00	6	TL	538	
184-26	18.40 x 26.00	10	TT	689	
231-26	23.10 x 26.00	8	TL	1,137	
231-26	23.10 x 26.00	12	TL	1,522	
231-26	23.10 x 26.00	10	TL	1,330	
28L-26	28.00 x 26.00	10	TL	1,503	
28L-26	28.00 x 26.00	12	TL	1,773	
112-28	11.20 x 28.00	4	TT	262	
124-28	12.40 x 28.00	4	TT	287	
124-28	12.40 x 28.00	6	TT	404	
136-28	13.60 x 28.00	4	TT	320	
136-28	13.60 x 28.00	10	TL	473	
136-28	13.60 x 28.00	6	TT	362	
149-28	14.90 x 28.00	4	TT	358	
149-28	14.90 x 28.00	6	TT	402	
169-28	16.90 x 28.00	6	TT	500	
169-30	16.90 x 30.00	6	TT	552	
169-30	16.90 x 30.00	10	TL	632	
184-30	18.40 x 30.00	6	TT	585	
184-30	18.40 x 30.00	12	TL	857	
231-30	23.10 x 30.00	8	TT	1,523	
231-30	23.10 x 30.00	10	TL	1,792	
245-32	24.50 x 32.00	10	TL	1,859	
245-32	24.50 x 32.00	12	TL	2,187	
305L-32	30.50 x 32.00	10	TL	2,842	
305L-32	30.50 x 32.00	16	TL	3,343	
305L-32	30.50 x 32.00	10	TL	2,418	
305L-32	30.50 x 32.00	14	TL	3,054	
169-34	16.90 x 34.00	6	TT	577	
169-34	16.90 x 34.00	8	TL	671	
169-34	16.90 x 34.00	10	TL	772	
184-34	18.40 x 34.00	6	TT	712	
184-34	18.40 x 34.00	8	TT	784	
208-34	20.80 x 34.00	8	TT	1,030	
231-34	23.10 x 34.00	8	TT	1,544	

<sup>(1)</sup> TT = Tube-Type Tires, TL = Tubeless Tires

## TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE <sup>(1)</sup>	COST (\$) PER EACH
<b>TIRE GROUP: FARM TIRES</b>					
<b>DYNA TORQUE II REAR TRACTOR R-1</b>					
	231-34	23.10 x 34.00	8	TL	1,571
	231-34	23.10 x 34.00	10	TL	1,850
	124-38	12.40 x 38.00	4	TT	368
	136-38	13.60 x 38.00	4	TT	387
	136-38	13.60 x 38.00	6	TT	433
	155-38	15.50 x 38.00	6	TT	487
	169-38	16.90 x 38.00	6	TT	649
	169-38	16.90 x 38.00	8	TT	693
	184-38	18.40 x 38.00	6	TT	742
	184-38	18.40 x 38.00	10	TT	1,074
	184-38	18.40 x 38.00	8	TT	825
	208-38	20.80 x 38.00	8	TT	1,137
	208-38	20.80 x 38.00	14	TL	1,518
	208-38	20.80 x 38.00	10	TT	1,294
	184-42	18.40 x 42.00	8	TT	1,143
	184-42	18.40 x 42.00	10	TT	1,326
	208-42	20.80 x 42.00	10	TT	1,366
<b>SUPER RIB FRONT TRACTOR</b>					
	400-12	4.00 x 12.00	4	TL	48
	600-14	6.00 x 14.00	6	TT	92
	95L-15	9.50 x 15.00	6	TL	143
	750-16	7.50 x 16.00	6	TT	115
	750-16	7.50 x 16.00	8	TT	117
	950-20	9.50 x 20.00	8	TT	197

<sup>(1)</sup> TT = Tube-Type Tires, TL = Tubeless Tires

## TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE <sup>(1)</sup>	COST (\$) PER EACH
<b>TIRE GROUP: SPECIALTY/INDUSTRIAL TIRES</b>					
<b>CAMPER-TRAILER TIRES</b>					
	500-12	5.00 x 12.00	4	TT	60
<b>XTRA TRACTION MINE &amp; INDUSTRIAL</b>					
	28-9-15	x	12	TT	260
	570-8	5.70 x 8.00	8	TT	82
	690-9	6.90 x 9.00	10	TT	112
	65-10	6.50 x 10.00	10	TT	123
	900-10	9.00 x 10.00	16	TT	405
	700-12	7.00 x 12.00	10	TT	204
	700-12	7.00 x 12.00	12	TT	209
	700-15	7.00 x 15.00	12	TT	265
	750-15	7.50 x 15.00	10	TT	260
	825-15	8.25 x 15.00	12	TT	289
<b>HARD ROCK LUG MINE &amp; INDUSTRIAL</b>					
	1100-15	11.00 x 15.00	16	TT	672
	900-20	9.00 x 20.00	12	TT	485
	1000-20	10.00 x 20.00	14	TT	573
<b>PRESSED ON INDUST. TIRES XTRA CUSHION SMOOTH</b>					
	21-8-15	x			189
	18-7-14	x			113
	21-6-15	x			144
	18-8-14	x			131
	13-312-8	x			63
	18-6-1218	x			121
	1614-7-1114	x			127
	1012-5-5	x			83
	21-5-15	x			110
	12-312-8	x			56
	13-45	x			72
	16-5-1012	x			116
	22-16-16	x			522
	1625-6	x			102
	18-8-1218	x			150
	22-6-1734	x			116
	22-9-16	x			221
	18-9-1218	x			180
	18-7-1218	x			128
	1625-5	x			104
	16-6-1012	x			116
	22-12-16	x			463
	22-12-16	x			404
	9-5-5	x			54
	18-5-1218	x			117
	18-9-14	x			145
	21-7-15	x			164
	16-5-1012	x			104

<sup>(1)</sup> TT = Tube-Type Tires, TL = Tubeless Tires

## TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE <sup>(1)</sup>	COST (\$) PER EACH
<b>TIRE GROUP: SPECIALTY/INDUSTRIAL TIRES</b>					
<b>PRESSED ON INDUST. TIRES XTRA CUSHION SMOOTH</b>					
	14-412-8	x			83
	22-8-16	x			208
	1512-6-10	x			93
	10-4-5	x			65
<b>INDUSTRIAL TERRA SOF-TRAC</b>					
	20-1000-8	x	2	TL	66
	16-650-8	x	2	TL	40
	13-500-6	x	2	TL	26
	20-1000-8	x	4	TL	72
	14-600-6	x	4	TL	41
	11-400-5	x	2	TL	22
	15-600-6	x	2	TL	34
	18-650-8	x	2	TL	43
	16-650-8	16.00 x 6.50	4	TL	47
	18-850-8	18.00 x 8.50	2	TL	45
	18-850-8	18.00 x 8.50	4	TL	50
<b>SURE GRIP-XTRA TRACTION TERRA</b>					
	23-850-12	23.00 x 8.50	4	TL	58
	26-1200-12	26.00 x 12.00	4	TL	83
	31-1550-15	31.00 x 15.50	8	TL	248
<b>COMPACTOR SMOOTH FLAT TREAD</b>					
	750-15	7.50 x 15.00	6	TL	143
	750-15	7.50 x 15.00	12	TT	240
	750-15	7.50 x 15.00	6	TT	154
	1400-24	14.00 x 24.00	20	TT	1,332
<b>E-3 HARD ROCK LUG</b>					
	1800-25	18.00 x 25.00	20	TL	2,089
	2100-35	21.00 x 35.00	28	TL	4,381
	375-51	37.50 x 51.00	44	TL	13,159
	1200-20	12.00 x 20.00	16	TT	644
	1200-20	12.00 x 20.00	20	TT	771
	1400-20	14.00 x 20.00	24	TT	1,046
	1600-21	16.00 x 21.00	20	TL	1,474
	1200-24	12.00 x 24.00	16	TT	740
	1400-24	14.00 x 24.00	20	TT	1,048
	1400-24	14.00 x 24.00	28	TT	1,348
	1400-24	14.00 x 24.00	24	TT	1,148
	1400-25	14.00 x 25.00	20	TL	1,033
	1600-25	16.00 x 25.00	20	TL	1,521
	1600-25	16.00 x 25.00	28	TL	1,679
	1600-25	16.00 x 25.00	24	TL	1,598
	1800-25	18.00 x 25.00	28	TL	2,354
	1800-25	18.00 x 25.00	32	TL	2,471
	2100-25	21.00 x 25.00	32	TL	3,691
	1800-33	18.00 x 33.00	28	TL	2,731

<sup>(1)</sup> TT = Tube-Type Tires, TL = Tubeless Tires

## TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE <sup>(1)</sup>	COST (\$) PER EACH
<b>TIRE GROUP: SPECIALTY/INDUSTRIAL TIRES</b>					
<b>E-3 HARD ROCK LUG</b>					
	1800-33	18.00 x 33.00	32	TL	2,866
	2100-35	21.00 x 35.00	32	TL	4,698
	2100-35	21.00 x 35.00	36	TL	4,933
	2400-35	24.00 x 35.00	30	TL	5,496
	2400-35	24.00 x 35.00	36	TL	5,920
<b>E-3 HARD ROCK LUG 8</b>					
	2400-49	24.00 x 49.00	36	TL	6,956
	2400-49	24.00 x 49.00	42	TL	7,641
	2400-49	24.00 x 49.00	48	TL	8,230
<b>E-3 SUPER HARD ROCK LUG</b>					
	235-25	23.50 x 25.00	24	TL	2,245
	265-25	26.50 x 25.00	24	TL	3,657
	295-29	29.50 x 29.00	22	TL	4,577
	3325-29	33.25 x 29.00	32	TL	6,321
	3350-33	33.50 x 33.00	38	TL	9,011
	3325-35	33.25 x 35.00	32	TL	7,332
	3325-35	33.25 x 35.00	38	TL	7,374
	375-39	37.50 x 39.00	36	TL	9,947
	375-39	37.50 x 39.00	44	TL	5,477
	205-25	20.50 x 25.00	12	TL	1,424
	205-25	20.50 x 25.00	20	TL	1,571
	205-25	20.50 x 25.00	16	TL	1,497
	235-25	23.50 x 25.00	16	TL	2,111
	235-25	23.50 x 25.00	20	TL	2,215
	265-25	26.50 x 25.00	20	TL	3,555
	265-25	26.50 x 25.00	26	TL	3,826
	295-25	29.50 x 25.00	22	TL	4,388
	295-25	29.50 x 25.00	28	TL	4,724
	295-29	29.50 x 29.00	28	TL	5,031
	295-29	29.50 x 29.00	34	TL	5,416
<b>E-3 SUPER HARD ROCK LUG 8</b>					
	295-29	29.50 x 29.00	26	TL	4,929
	3325-29	33.25 x 29.00	26	TL	5,727
	335-33	33.50 x 33.00	32	TL	6,753
	335-33	33.50 x 33.00	38	TL	7,270
	295-35	29.50 x 35.00	28	TL	5,533
	295-35	29.50 x 35.00	34	TL	5,957
	3325-35	33.25 x 35.00	32	TL	6,947
	3725-35	37.25 x 35.00	30	TL	8,240
	375-35	37.50 x 35.00	36	TL	8,877
	375-39	37.50 x 39.00	44	TL	10,148
	375-39	37.50 x 39.00	60	TL	12,362
	375-39	37.50 x 39.00	52	TL	11,199
	375-51	37.50 x 51.00	44	TL	11,530
<b>E-4 HARD ROCK LUG XTRA-TRED 8</b>					

<sup>(1)</sup> TT = Tube-Type Tires, TL = Tubeless Tires

**TIRE DESCRIPTION AND TIRE COST (Continued)**

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE <sup>(1)</sup>	COST (\$) PER EACH
<b>TIRE GROUP: SPECIALTY/INDUSTRIAL TIRES</b>					
<b>E-4 HARD ROCK LUG XTRA-TRED 8</b>					
	1600-25	16.00 x 25.00	28	TL	1,888
	2400-35	24.00 x 35.00	42	TL	7,186
	2400-43	24.00 x 43.00	42	TL	7,724
	1800-49	18.00 x 49.00	32	TL	3,827
	2400-49	24.00 x 49.00	42	TL	8,613
	2400-49	24.00 x 49.00	44	TL	8,613
	2700-49	27.00 x 49.00	42	TL	10,187
	3000-51	30.00 x 51.00	46	TL	12,503
<b>E-7 EARTHMOVER ALL WEATHER</b>					
	1800-25	18.00 x 25.00	40	TT	2,136
<b>G-3 ROCK GRADER</b>					
	1300-24	13.00 x 24.00	8	TL	391
	1300-24	13.00 x 24.00	12	TL	473
	1300-24	13.00 x 24.00	10	TL	430
	1400-24	14.00 x 24.00	10	TL	497
	1400-24	14.00 x 24.00	12	TL	544
	1600-24	16.00 x 24.00	12	TL	1,092
	1400-24	14.00 x 24.00	16	TL	718
	1600-24	16.00 x 24.00	16	TL	1,281
<b>L-4 SUPER HARD ROCK LUG D&amp;L XT / HRL DL 5A</b>					
	3325-35	33.25 x 35.00	26	TL	9,342
	235-25	23.50 x 25.00	16	TL	2,610
	235-25	23.50 x 25.00	20	TL	2,740
	265-25	26.50 x 25.00	20	TL	4,734
	295-25	29.50 x 25.00	22	TL	5,783
	295-25	29.50 x 25.00	34	TL	6,708
	295-25	29.50 x 25.00	28	TL	6,227
	295-29	29.50 x 29.00	22	TL	6,059
	295-29	29.50 x 29.00	28	TL	6,525
	3325-35	33.25 x 35.00	32	TL	9,530
<b>L-4 NYLOSTEEL XTRA TRED D&amp;L B/B</b>					
	35/65-33	35.65 x 33.00	30	TL	11,184
	40/65/39	40.65 x 39.00	30	TL	11,639
	45/65-45	45.65 x 45.00	38	TL	19,129
	50/65-51	50.65 x 51.00	54	TL	26,595
	3565-33	35.65 x 33.00	24	TL	7,826
	3565-33	35.65 x 33.00	30	TL	9,322
<b>L-4S,5S SMOOTH SUPER XT D&amp;L</b>					
	1800-25	18.00 x 25.00	24	TL	3,650
	1800-25	18.00 x 25.00	28	TL	3,833
	2100-25	21.00 x 25.00	24	TL	4,977
<b>SURE GRIPLOADER SUPER SINGLE</b>					
	1500-195	15.00 x 19.50	12	TL	723
<b>LOADER SERVICE</b>					
	57-12	5.70 x 12.00	4	TL	72

<sup>(1)</sup> TT = Tube-Type Tires, TL = Tubeless Tires

## TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE <sup>(1)</sup>	COST (\$) PER EACH
<b>TIRE GROUP: SPECIALTY/INDUSTRIAL TIRES</b>					
<b>MATERIAL HANDLING - XTRA TRACTION</b>					
	18-7-8	x	12	TT	109
	21-8-9	x	14	TT	150
	750-10	7.50 x 10.00	12	TT	223
	700L-15	7.00 x 15.00	12	TT	289
	750-15	7.50 x 15.00	10	TT	283
	750-15	7.50 x 15.00	12	TT	307
	825-15	8.25 x 15.00	12	TT	315
<b>SURE GRIP LUG SUPER SINGLE</b>					
	10-165	10.00 x 16.50	6	TL	146
	12-165	12.00 x 16.50	6	TL	181
	12-165	12.00 x 16.50	10	TL	216
	12-165	12.00 x 16.50	8	TL	197
	14-175	14.00 x 17.50	6	TL	383
	14-175	14.00 x 17.50	10	TL	481
	14-175	14.00 x 17.50	8	TL	434
	15-195	15.00 x 19.50	8	TL	505
	15-195	15.00 x 19.50	12	TL	556
	*15-195	15.00 x 19.50	12	TL	818
<b>SUPER TERRA GRIP</b>					
	26-1200-12	x	2	TL	74
	23-850-12	x	2	TL	51
	23-1050-15	x	4	TL	69
	31-1550-15	x	4	TL	184
	23-850-12	x	4	TL	63
	29-1250-15	x	4	TL	138
	38-2000-161	x	8	TL	769
	26-1200-12	x	8	TL	125
	31-1550-15	x	8	TL	268
	29-1250-15	x	6	TL	158
	26-1200-12	x	4	TL	90
	23-1050-12	x	4	TL	79
	16-650-8	x	4	TL	47
	27-850-15	x	2	TL	59
	23-1050-12	x	2	TL	69
<b>SURE GRIP LUG</b>					
	23-850-12	x	4	TL	85
	27-1050-15	x	6	TL	101
	25-1250-15	x	6	TL	132
	27-850-15	x	6	TL	88
	27-850-15	x	4	TL	80
<b>CUSHION-FLAT TREAD TYPE</b>					
	812-4-4	x		TL	52
	9-5-5	x		TL	53
	10-312-6	x		TL	55
	10-5-612	x		TL	55

<sup>(1)</sup> TT = Tube-Type Tires, TL = Tubeless Tires

## TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE <sup>(1)</sup>	COST (\$) PER EACH
<b>TIRE GROUP: SPECIALTY/INDUSTRIAL TIRES</b>					
<b>CUSHION-FLAT TREAD TYPE</b>					
	10-7-614	x		TL	79
	1012-6-612	x		TL	72
	12-312-8	x		TL	56
	12-412-8	x		TL	66
	15-3-1114	x		TL	57
	15-5-1114	x		TL	70
	15-7-1114	x		TL	97
	16-212-1334	x		TL	72
	16-4-1218	x		TL	69
	17-5-1218	x		TL	91
	17-7-1218	x		TL	121
	20-4-16	x		TL	80
	20-6-16	x		TL	102
	20-8-16	x		TL	144
	22-6-1734	x		TL	116
	22-8-1734	x		TL	156
	24-7-20	x		TL	155
	28-7-2312	x		TL	187
	28-7-22	x		TL	267
	24-5-20	x		TL	117
	22-7-1734	x		TL	129
	22-412-1734	x		TL	92
	20-7-16	x		TL	119
	20-5-16	x		TL	86
	18-5-14	x		TL	88
	17-6-1218	x		TL	105
	16-412-12	x		TL	76
	16-312-1218	x		TL	63
	15-8-1114	x		TL	130
	15-6-1114	x		TL	79
	15-312-1114	x		TL	61
	14-4-10	x		TL	68
	12-4-8	x		TL	59
	1012-7-612	x		TL	81
	1012-5-612	x		TL	64
	10-6-614	x		TL	67
	10-4-612	x		TL	52
	10-3-614	x		TL	52
	9-212-6	x		TL	43

<sup>(1)</sup> TT = Tube-Type Tires, TL = Tubeless Tires

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE <sup>(1)</sup>	COST (\$) PER EACH
TIRE GROUP: MED.HVY COMMERCIAL - OFF ROAD					
E-1 HARD ROCK RIB					
	1400-25	14.00 x 25.00	20	TL	913
	1600-25	16.00 x 25.00	24	TL	1,589
	*1600-25	16.00 x 25.00	32	TL	1,752
	1800-25	18.00 x 25.00	24	TL	2,147
E-2 EARTHMOVER SURE GRIP					
	1400-20	14.00 x 20.00	12	TT	587
	1800-25	18.00 x 25.00	12	TL	1,742
	1800-25	18.00 x 25.00	16	TL	1,829
E-2 SURE GRIP LUG					
	205-25	20.50 x 25.00	16	TL	1,302
	205-25	20.50 x 25.00	20	TL	1,366
	206-25	20.60 x 25.00	20	TL	3,092
	235-25	23.50 x 25.00	16	TL	1,796
	235-25	23.50 x 25.00	20	TL	1,930
	265-25	26.50 x 25.00	24	TL	3,247
	265-25	26.50 x 25.00	26	TL	3,328
	295-25	29.50 x 25.00	22	TL	3,818
	295-29	29.50 x 29.00	28	TL	4,376
	295-29	29.50 x 29.00	34	TL	4,711
	295-35	29.50 x 35.00	28	TL	4,812
E-3 HARD ROCK LUG					
	1800-25	18.00 x 25.00	20	TL	2,089
	2100-35	21.00 x 35.00	28	TL	4,381
	375-51	37.50 x 51.00	44	TL	13,159
	1200-20	12.00 x 20.00	16	TT	644
	1200-20	12.00 x 20.00	20	TT	771
	1400-20	14.00 x 20.00	24	TT	1,046
	1600-21	16.00 x 21.00	20	TL	1,474
	1200-24	12.00 x 24.00	16	TT	740
	1400-24	14.00 x 24.00	20	TT	1,048
	1400-24	14.00 x 24.00	28	TT	1,348
	1400-24	14.00 x 24.00	24	TT	1,148
	1400-25	14.00 x 25.00	20	TL	1,033
	1600-25	16.00 x 25.00	20	TL	1,521
	1600-25	16.00 x 25.00	28	TL	1,679
	1600-25	16.00 x 25.00	24	TL	1,598
	1800-25	18.00 x 25.00	28	TL	2,354
	1800-25	18.00 x 25.00	32	TL	2,471
	2100-25	21.00 x 25.00	32	TL	3,691
	1800-33	18.00 x 33.00	28	TL	2,731
	1800-33	18.00 x 33.00	32	TL	2,866
	2100-35	21.00 x 35.00	32	TL	4,698
	2100-35	21.00 x 35.00	36	TL	4,933
	2400-35	24.00 x 35.00	30	TL	5,496
	2400-35	24.00 x 35.00	36	TL	5,920

<sup>(1)</sup> TT = Tube-Type Tires, TL = Tubeless Tires

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE <sup>(1)</sup>	COST (\$) PER EACH
<b>TIRE GROUP: MED.HVY COMMERCIAL - OFF ROAD</b>					
<b>E-3 HARD ROCK LUG 3F</b>					
	2100-25	21.00 x 25.00	24	TL	2,250
	375-33	37.50 x 33.00	36	TL	8,836
	375-33	37.50 x 33.00	42	TL	9,517
	3325-35	33.25 x 35.00	32	TL	7,122
	3325-35	33.25 x 35.00	38	TL	7,670
	3725-35	37.25 x 35.00	30	TL	8,449
	3725-35	37.25 x 35.00	36	TL	9,099
	375-39	37.50 x 39.00	44	TL	10,400
<b>E-3 HARD ROCK LUG 8</b>					
	2400-49	24.00 x 49.00	36	TL	6,956
	2400-49	24.00 x 49.00	42	TL	7,641
	2400-49	24.00 x 49.00	48	TL	8,230
<b>E-3 SUPER HARD ROCK LUG</b>					
	235-25	23.50 x 25.00	24	TL	2,245
	265-25	26.50 x 25.00	24	TL	3,657
	295-29	29.50 x 29.00	22	TL	4,577
	3325-29	33.25 x 29.00	32	TL	6,321
	3350-33	33.50 x 33.00	38	TL	9,011
	3325-35	33.25 x 35.00	32	TL	7,332
	3325-35	33.25 x 35.00	38	TL	7,374
	375-39	37.50 x 39.00	36	TL	9,947
	375-39	37.50 x 39.00	44	TL	5,477
	205-25	20.50 x 25.00	12	TL	1,424
	205-25	20.50 x 25.00	20	TL	1,571
	205-25	20.50 x 25.00	16	TL	1,497
	235-25	23.50 x 25.00	16	TL	2,111
	235-25	23.50 x 25.00	20	TL	2,215
	265-25	26.50 x 25.00	20	TL	3,555
	265-25	26.50 x 25.00	26	TL	3,826
	295-25	29.50 x 25.00	22	TL	4,388
	295-25	29.50 x 25.00	28	TL	4,724
	295-29	29.50 x 29.00	28	TL	5,031
	295-29	29.50 x 29.00	34	TL	5,416
<b>E-3 SUPER HARD ROCK LUG 8</b>					
	295-29	29.50 x 29.00	26	TL	4,929
	3325-29	33.25 x 29.00	26	TL	5,727
	335-33	33.50 x 33.00	32	TL	6,753
	335-33	33.50 x 33.00	38	TL	7,270
	295-35	29.50 x 35.00	28	TL	5,533
	295-35	29.50 x 35.00	34	TL	5,957
	3325-35	33.25 x 35.00	32	TL	6,947
	3725-35	37.25 x 35.00	30	TL	8,240
	375-35	37.50 x 35.00	36	TL	8,877
	375-39	37.50 x 39.00	44	TL	10,148
	375-39	37.50 x 39.00	60	TL	12,362

<sup>(1)</sup> TT = Tube-Type Tires, TL = Tubeless Tires

## TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE <sup>(1)</sup>	COST (\$) PER EACH
<b>TIRE GROUP: MED.HVY COMMERCIAL - OFF ROAD</b>					
E-3 SUPER HARD ROCK LUG 8					
	375-39	37.50 x 39.00	52	TL	11,199
	375-51	37.50 x 51.00	44	TL	11,530
<b>E-7 SAND RIB</b>					
	1600-20	16.00 x 20.00	20	TT	1,038
	1800-25	18.00 x 25.00	16	TL	1,512
	1800-25	18.00 x 25.00	25	TL	1,442
	2100-25	21.00 x 25.00	16	TL	2,274
<b>G-1 GRADER RIB</b>					
	1300-24	13.00 x 24.00	12	TL	582
	1400-24	14.00 x 24.00	12	TL	670
	1600-24	16.00 x 24.00	12	TL	1,213
<b>G-3 ROCK GRADER</b>					
	1300-24	13.00 x 24.00	8	TL	391
	1300-24	13.00 x 24.00	12	TL	473
	1300-24	13.00 x 24.00	10	TL	430
	1400-24	14.00 x 24.00	10	TL	497
	1400-24	14.00 x 24.00	12	TL	544
	1600-24	16.00 x 24.00	12	TL	1,092
	1400-24	14.00 x 24.00	16	TL	718
	1600-24	16.00 x 24.00	16	TL	1,281
<b>L-2 SURE GRIP LUG XTRA TRED DOZER &amp; LOADER</b>					
	235-25	23.50 x 25.00	12	TL	1,882
	235-25	23.50 x 25.00	20	TL	2,073
	235-25	23.50 x 25.00	16	TL	1,976
	265-25	26.50 x 25.00	14	TL	3,324
	265-25	26.50 x 25.00	20	TL	3,579
<b>L-3 SUPER HARD ROCK LUG D&amp;L</b>					
	235-25	23.50 x 25.00	12	TL	2,165
	235-25	23.50 x 25.00	20	TL	2,383
	235-25	23.50 x 25.00	24	TL	2,502
	235-25	23.50 x 25.00	16	TL	2,268
	265-25	26.50 x 25.00	14	TL	3,823
	265-25	26.50 x 25.00	20	TL	4,118
	295-25	29.50 x 25.00	16	TL	4,672
	295-25	29.50 x 25.00	28	TL	5,415
	295-29	29.50 x 29.00	22	TL	5,029
<b>L-4 SUPER HARD ROCK LUG D&amp;L XT / HRL DL 5A</b>					
	3325-35	33.25 x 35.00	26	TL	9,342
	235-25	23.50 x 25.00	16	TL	2,610
	235-25	23.50 x 25.00	20	TL	2,740
	265-25	26.50 x 25.00	20	TL	4,734
	295-25	29.50 x 25.00	22	TL	5,783
	295-25	29.50 x 25.00	34	TL	6,708
	295-25	29.50 x 25.00	28	TL	6,227
	295-29	29.50 x 29.00	22	TL	6,059

<sup>(1)</sup> TT = Tube-Type Tires, TL = Tubeless Tires

**TIRE DESCRIPTION AND TIRE COST (Continued)**

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE <sup>(1)</sup>	COST (\$) PER EACH
<b>TIRE GROUP: MED.HVY COMMERCIAL - OFF ROAD</b>					
<b>L-4 SUPER HARD ROCK LUG D&amp;L XT / HRL DL 5A</b>					
	295-29	29.50 x 29.00	28	TL	6,525
	3325-35	33.25 x 35.00	32	TL	9,530
<b>L-4 NYLOSTEEL XTRA TRED D&amp;L B/B</b>					
	35/65-33	35.65 x 33.00	30	TL	11,184
	40/65/39	40.65 x 39.00	30	TL	11,639
	45/65-45	45.65 x 45.00	38	TL	19,129
	50/65-51	50.65 x 51.00	54	TL	26,595
	3565-33	35.65 x 33.00	24	TL	7,826
	3565-33	35.65 x 33.00	30	TL	9,322
<b>L-5 SUPER XTRA TRED D&amp;L</b>					
	265-25	26.50 x 25.00	20	TL	5,915
	295-25	29.50 x 25.00	22	TL	7,007
	295-29	29.50 x 29.00	22	TL	7,342
	295-29	29.50 x 29.00	28	TL	7,907
	3325-35	33.25 x 35.00	32	TL	11,437
	3725-35	37.25 x 35.00	42	TL	14,947
	375-39	37.50 x 39.00	36	TL	14,991
	375-39	37.50 x 39.00	44	TL	16,548
<b>L-5 NYLOSTEEL SUPER XTRA TRED D&amp;L B/B</b>					
	3565-33	35.65 x 33.00	30	TL	11,184
	40/65-39	40.65 x 39.00	30	TL	14,248
	4565-45	45.65 x 45.00	38	TL	19,129
	5065-51	50.65 x 51.00	54	TL	26,595
<b>HIGHLANDER</b>					
	570-8	5.70 x 8.00	6	TL	49
<b>HIGHLANDER CT</b>					
	570-8	5.70 x 8.00	4	TL	47
	570-8	5.70 x 8.00	8	TT	65
	570-8	5.70 x 8.00	6	TL	52
	690-9	6.90 x 9.00	6	TL	89
	690-9	6.90 x 9.00	10	TT	129
	480-12	4.80 x 12.00	4	TL	45
	480-12	4.80 x 12.00	6	TL	52
	530-12	5.30 x 12.00	4	TL	54
	530-12	5.30 x 12.00	6	TL	61
<b>E-4 HARD ROCK LUG 4B</b>					
	1600-25	16.00 x 25.00	24	TL	1,836
	1600-25	16.00 x 25.00	28	TL	1,930
	1800-25	18.00 x 25.00	28	TL	2,705
	1800-25	18.00 x 25.00	32	TL	2,840
	1800-33	18.00 x 33.00	28	TL	3,137
	1800-33	18.00 x 33.00	32	TL	3,296
	2100-35	21.00 x 35.00	36	TL	5,674
	2400-35	24.00 x 35.00	30	TL	6,321
	2400-35	24.00 x 35.00	36	TL	6,808

<sup>(1)</sup> TT = Tube-Type Tires, TL = Tubeless Tires

## TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE <sup>(1)</sup>	COST (\$) PER EACH
<b>TIRE GROUP: MED.HVY COMMERCIAL - OFF ROAD</b>					
<b>E-4 HARD ROCK LUG 4B</b>					
	2400-35	24.00 x 35.00	42	TL	7,332
	2400-43	24.00 x 43.00	48	TL	8,485
	1800-49	18.00 x 49.00	32	TL	3,905
	2100-49	21.00 x 49.00	36	TL	6,926
	2400-49	24.00 x 49.00	42	TL	8,788
	2400-49	24.00 x 49.00	48	TL	9,464
	2700-49	27.00 x 49.00	42	TL	10,392
	2700-49	27.00 x 49.00	48	TL	11,191
	3000-51	30.00 x 51.00	46	TL	12,755
	3300-51	33.00 x 51.00	58	TL	17,897
	3600-51	36.00 x 51.00	50	TL	19,790
	3600-51	36.00 x 51.00	58	TL	21,845
	4000-57	40.00 x 57.00	68	TL	19,188
<b>L-2 SURE GRIP LOADER</b>					
	155-25	15.50 x 25.00	8	TL	550
	155-25	15.50 x 25.00	12	TL	605
	175-25	17.50 x 25.00	12	TL	745
	175-25	17.50 x 25.00	20	TL	903
	175-25	17.50 x 25.00	16	TL	819
	205-25	20.50 x 25.00	12	TL	1,241
	205-25	20.50 x 25.00	16	TL	1,302
	22-25	22.00 x 25.00	12	TL	1,364
<b>L-3 SUPER HARD ROCK LOADER</b>					
	155-25	15.50 x 25.00	12	TL	626
	175-25	17.50 x 25.00	12	TL	786
	175-25	17.50 x 25.00	16	TL	864
	205-25	20.50 x 25.00	12	TL	1,424
	205-25	20.50 x 25.00	20	TL	1,571
	205-25	20.50 x 25.00	16	TL	1,497
<b>L-3 SUPER HARD ROCK LUG 8 DOZER &amp; LOADER</b>					
	335-33	33.50 x 33.00	44	TL	8,834
<b>L-3 HARD ROCK LUG 3F DOZER/LOADER</b>					
	3325-35	33.25 x 35.00	50	TL	8,863
<b>L-5S SUPER SMOOTH XTRA TRED DOZER &amp; LOADER</b>					
	2100-25	21.00 x 25.00	32	TL	5,570
	265-25	26.50 x 25.00	26	TL	6,753
	295-25	29.50 x 25.00	28	TL	8,250
<b>L-5 HARD ROCK LUG 5C</b>					
	295-29	29.50 x 29.00	22	TL	7,907
	295-29	29.50 x 29.00	22	TL	7,342
<b>G-2 GRADER SURE GRIP</b>					
	825-20	8.25 x 20.00	6	TT	229
	1300-20	13.00 x 20.00	10	TT	435
	1200-24	12.00 x 24.00	8	TL	272
	1300-24	13.00 x 24.00	8	TL	401

<sup>(1)</sup> TT = Tube-Type Tires, TL = Tubeless Tires

**TIRE DESCRIPTION AND TIRE COST (Continued)**

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE <sup>(1)</sup>	COST (\$) PER EACH
TIRE GROUP: MED.HVY COMMERCIAL - OFF ROAD					
G-2 GRADER SURE GRIP					
	1300-24	13.00 x 24.00	12	TL	486
	1300-24	13.00 x 24.00	12	TT	516
	1300-24	13.00 x 24.00	12	TL	535
	1300-24	13.00 x 24.00	10	TL	443
	1300-24	13.00 x 24.00	10	TT	471
	1300-24 SM	13.00 x 24.00	10	TL	424
	1400-24	14.00 x 24.00	10	TL	537
	1400-24	14.00 x 24.00	16	TL	676
	1400-24	14.00 x 24.00	12	TT	580
	1400-24	14.00 x 24.00	12	TL	559
	1400-24	14.00 x 24.00	10	TT	534
	1600-24	16.00 x 24.00	12	TL	1,118
	1600-24	16.00 x 24.00	16	TL	1,174
TIRE GROUP: BELTS					
BELTS FOR LOADERS					
	x				
	24.00 x 50.00		2		1,103
	30.00 x 50.00		2		1,313
	36.00 x 50.00		2		1,616
	42.00 x 50.00		2		1,842
	48.00 x 50.00		2		2,068
	48.00 x 50.00		3		9,873
	60.00 x 50.00		4		14,219
	48.00 x 60.00		3		10,085
	60.00 x 60.00		4		16,936
TIRE GROUP: PERMAFOAM					
TRUCK OFF HIGHWAY SERVICE					
	15-225	15.00 x 22.50		FOAM	1,164
	165-225	16.50 x 22.50		FOAM	1,301
	18-225	18.00 x 22.50		FOAM	1,556

<sup>(1)</sup> TT = Tube-Type Tires, TL = Tubeless Tires

## APPENDIX G

### TIRE LIFE AND TIRE WEAR FACTORS

G-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 G-1. A sample computation of the tire wear factors for off-highway haul units is given below.

<u>No.</u>	<u>Condition</u>	<u>Factor</u>	
		<u>Average</u>	<u>Severe</u>
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	<u>0.90</u>	<u>0.80</u>
		0.65	0.43
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/>			
<u>FINAL TIRE WEAR FACTORS</u>			
	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 G-1. Rear and Bottom Wagons (Off-Highway), Scrapers

## TIRE LIFE AND TIRE WEAR FACTORS (Continued)

TABLE G-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 H

### MARINE EQUIPMENT

1. 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 appendix, 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 ownership percentages and operating cost factors are shown in TABLE H-1 for various types of equipment. When a type of equipment is not listed, ownership expense may be determined by using the percentage listed for a similar type with the same expected life. Equipment permanently attached to floating plant shall be considered marine equipment. This pamphlet does not provide information required to calculate hopper dredge rates.

2. 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 acquisition price 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.

a. 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 dry-docking, which occur periodically, are considered part of the operating costs and will be allocated on an equal annual basis over the years between such occurrences, in accordance with FAR 31.205-24.

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

$$CFC = \frac{[(N-1)(1+S)+2]}{2N} (6.70\%)$$

where: N = Number of years in depreciation period

S = Salvage value factor

% = Discounted cost of money in effect at the time the work was performed or current rate (6.70%)

c. The salvage value factor is expressed as a decimal and is shown in TABLE H-1 for different items of equipment.

d. Taxes, storage (lay-up), and insurance are considered indirect (overhead) costs (see paragraph 2-2c(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.

e. The expected life shown in TABLE H-1 for shore pipeline and floating pipeline is based on average dredging conditions. When more severe conditions are encountered, such as 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 party of operating costs.

3. Annual Use. Marine equipment is normally operated on a multi-shift basis. This is the preferred practice. However, if an hourly or daily basis is used, monthly cost should be divided by the actual number of hours or days the contractor is working. If the actual time cannot be determined, the monthly cost should be divided by 500 hours (20 hours per day and 25 days per month). In determining ownership expense for mechanical dredges, pipeline dredges, booster pumps, and attendant dredge plant, the average use per year for Region VIII shall be 6 months. For all other marine equipment (except hopper dredges) use months shall be 9 months per year.

4. Operating Cost Factors. Marine equipment operating expense factors are shown in TABLE H-1. The use of these factors together with ownership expense allowances will provide the user with information to help generate a rate for a piece of marine equipment. The hourly operating expense factors provided herein are estimated; it is intended that these factors be used only if the estimator does not have factual data available.

a. Fuel consumption factors are prepared on the same basis as paragraph 2-2d(2). Prime power refers to the primary operating engine for the dredge, tug, or other piece of marine equipment. Secondary power refers to all other secondary engines or power plants. However, if more than one of these engines is present, the horsepower should be totaled. Fuel Factors are given for each piece of equipment; however, engines may not be present on many barges and scows.

b. Water, lube, and supplies (WLS) is similar to the FOG factor described in paragraph 2-2d(3). This item is computed as either a percentage of the hourly fuel costs or, if the marine equipment has no engine, a reasonable hourly cost should be included. This factor includes an allowance for the oiler normally assigned to the dredge or other piece of marine equipment.

c. Repairs (RPR) includes an allowance for all major and minor repairs and is similar to the maintenance and repair cost factor described in paragraph 2-2d(4). Also required to develop this cost are the economic adjustment factor (EAF) and the labor adjustment factor (LAF). It should also be noted that the repair allowance does not include the following items:

(1) Dredge wear for such items as cutter teeth and main suction pumps are not included due to the wide variety of materials being dredged.

(2) Dry-docking costs are not included because they vary greatly depending on the facilities available.

d. In addition to the dredge wear and dry-docking items which are not included in the operating factors, there is also no allowance for mobilization, demobilization, or yard costs. These items must all be considered separately by the estimator.

5. Standby. The standby rate is computed by allowing the full CFC monthly rate plus one-half of the monthly depreciation. In addition to the standby ownership rate, it may be necessary on dredges to include a small amount of 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.

6. Example. The following example shown in Figure H-1 will provide guidance to illustrate the use of TABLE H-1 and the regional data to generate a rate. Ownership is determined using the annual percentages to account for CFC and depreciation. Operating costs are determined by utilizing formulas from Chapter 2 for FUEL, FOG (WLS), and REPAIRS. Assume a 24" hydraulic dredge was purchased new in 1985 for \$3,700,000 including tax and delivery.

**TABLE H-1. ANNUAL EXPENSE FACTORS AND HOURLY OPERATING FACTORS FOR MARINE EQUIPMENT**

TYPE OF EQUIPMENT	LIFE (YRS)	SALVAGE VALUE FACTOR	PERCENT ANNUAL OWNERSHIP EXPENSE			HOURLY OPERATING EXPENSE FACTORS								
			DEPREC-IATION	CFC	ANNUAL EXPENSE	PRIME POWER HP	G	D	SECONDARY POWER HP	G	D	WLS G	D	RPR
Hydraulic Dredge, including hydraulic dredges used as														
Booster Pump (on land):														
10-inch thru 14-inch	20	0.05	4.75	3.68	8.43	80	0.000	0.044	70	0.000	0.039	0	33	80
16-inch thru 22-inch	25	0.10	3.60	3.81	7.41	80	0.000	0.044	70	0.000	0.039	0	33	90
24-inch and over	30	0.10	3.00	3.79	6.79	80	0.000	0.044	70	0.000	0.039	0	33	100
Dredge: Pipeline/Booster Pump (on water)														
10-inch thru 14-inch	20	0.05	4.75	3.68	8.43	80	0.000	0.044	70	0.000	0.039	0	33	90
16-inch thru 22-inch	25	0.10	3.60	3.81	7.41	80	0.000	0.044	70	0.000	0.039	0	33	110
24-inch and over	30	0.10	3.00	3.79	6.79	80	0.000	0.044	70	0.000	0.039	0	33	120
Dredge: Clamshell/ Dragline (Bucket)	20	0.05	4.75	3.68	8.43	65	0.000	0.036	65	0.000	0.036	0	33	120
Dredge, Dipper/Hyd Excav	25	0.05	3.80	3.64	7.44	75	0.000	0.042	75	0.000	0.042	0	33	130
Bucket Dredge	30	0.10	3.00	3.79	6.79	80	0.000	0.044	70	0.000	0.039	0	33	110
Dump Scow	20	0.05	4.75	3.68	8.43	80	0.000	0.044	70	0.000	0.039	0	33	80
Barges:														
Fuel	20	0.05	4.75	3.68	8.43	20	0.000	0.011	20	0.000	0.011	0	33	60
Water	20	0.05	4.75	3.68	8.43	20	0.000	0.011	20	0.000	0.011	0	33	60
Equipment Or Work	20	0.05	4.75	3.68	8.43	20	0.000	0.011	20	0.000	0.011	0	33	60
Derrick	20	0.10	4.50	3.84	8.34	20	0.000	0.011	20	0.000	0.011	0	33	70
Anchor	20	0.05	4.75	3.68	8.43	20	0.000	0.011	20	0.000	0.011	0	33	60
Drill Boat Or Barge	20	0.10	4.50	3.84	8.34	20	0.000	0.011	20	0.000	0.011	0	33	70
Mooring Barge	20	0.05	4.75	3.68	8.43	20	0.000	0.011	20	0.000	0.011	0	33	60
Tugs & Tenders	20	0.10	4.50	3.84	8.34	80	0.083	0.044	70	0.072	0.039	30	36	90
Launches & Skiffs	12	0.05	7.92	3.78	11.70	60	0.062	0.033	50	0.052	0.028	30	36	80
Crewboat & Workboat	10	0.05	9.50	3.84	13.34	60	0.062	0.033	50	0.052	0.028	30	36	80
Shore Pipeline (Average)	3	0.00	33.33	4.47	37.80	0	0.000	0.000	0	0.000	0.000	0	0	50
Floating Line:														
Pontoon	10	0.00	10.00	3.69	13.69	0	0.000	0.000	0	0.000	0.000	0	0	60
Pipeline/Joints (Avg)	5	0.00	20.00	4.02	24.02	0	0.000	0.000	0	0.000	0.000	0	0	60

## MARINE EQUIPMENT EXAMPLE

### 1. PERTINENT DATA

a. Equipment Description.....>	24" Hydraulic Cutter Suction Dredge
b. Model & Series.....>	Ellicott Series 4900 Super Dragon
c. Present Year.....>	1991
(1) Economic Index.(APP.E).....>	4438
d. Year Manufactured.....>	1985
(1) Economic Index.(APP.E).....>	3749
e. Equipment Cost	
(1) Acquisition Price.....>	\$3,700,000 -
(2) Capital Improvements.....>	
f. Prime Engine Horsepower.....>	3,730 h.p.
g. Secondary Engine(s) Horsepower.	
(1) Electrical Generators	- 200 h.p.
(2) Hydraulic System	- 1325 h.p.
(3) Cutter Head Drive	- 750 h.p.
(4) Hydraulic Water Jet	- 200 h.p.
	<hr/>
Total Secondary H.P.	2,475 h.p.
h. Fuel Type.....>	Diesel
(1) Cost/Gal.(APP.B).....>	\$0.82 /gal

### 2. TABLE H-1 DATA:

a. Life (yrs).....>	30 yrs
(1) Annual Use-Months..(para 3)...>	6 mos
(2) Monthly Usage (estimated hrs).>	500 hrs
b. Salvage Value Factor.....>	0.10
c. Prime Engine Fuel Factor.....>	0.044
d. Secondary Engine Fuel Factor.....>	0.039
e. WLS Factor.(Water,Lube & Supplies).>	0.33

2. TABLE H-1 DATA: (Cont'd)

f. LAF (Labor Adjustment Factor APP B)>	1.00
g. Repair Cost Factor.....>	1.20
h. Annual Ownership Expense Percent:	
(1) Depreciation Percent.....>	3.00%
(2) CFC Percent.....>	3.79%
Total Hourly Ownership Percent..(3.00% + 3.79%) =	6.79%

3. OWNERSHIP COSTS

a. Equipment Cost = (Acquisition Price + Capital Improvements)

$$(\$3700000 + \$0) = \$3,700,000$$

b. Annual Ownership Cost = (Equipment Cost x Annual Ownership Percent)

(1) Annual Ownership Expense: $(\$3700000 \times 6.79\%)$ =	\$251,230
(2) Monthly Ownership Expense: $(\$251230 / 6 \text{ mo.})$ =	\$41,872
(3) Hourly Ownership Expense: $(\$41872 / 500 \text{ hrs.})$ =	\$83.74

c. Standby Allowance:

$$= [(.50 \times \text{Depr. \%}) + \text{CFC}] \times \text{Equipment Cost} + \text{Generator Allowance}$$

\* NOTE: (If Applicable) -Generator Allowance (see Appendix H para 5)  
=  $(\text{Generator H.P.} / \text{Total Secondary H.P.}) \times \text{Secondary Fuel Cost}$

(1) Annual Standby Expense: $[(.50 \times 3.00\%) + 3.79\%] \times \$3700000$ =	\$195,730
(2) Monthly Standby Expense: $(\$195730/6\text{mo.})$ =	\$32,622
(3) Hourly Standby Expense: $(\$32622/500\text{hrs})$ =	\$65.24

\* (If Applicable) Generator Allowance:  
 $(200 \text{ h.p.} / 2475 \text{ h.p.}) \times \$79.15$  = + \$6.40

Total Hourly Standby Allowance = \$71.64

Figure H-1

4. ESTIMATED HOURLY OPERATING COST:

a. Fuel Cost = (Engine Fuel Factor x H.P. x Fuel Cost/Gal)

(1) Prime Engine Fuel: $(0.044 \times 3730 \text{ h.p.} \times \$0.82/\text{gal})$	=	<u>\$134.58 /hr</u>
(2) Secondary Engine Fuel: $(0.039 \times 2475 \text{ h.p.} \times \$0.82/\text{gal})$	=	<u>\$79.15 /hr</u>

b. WLS Cost = (WLS factor x Hourly Fuel Cost)

(1) Prime Engine WLS: $(0.33 \times \$134.58/\text{hr})$	=	<u>\$44.41 /hr</u>
(2) Second Engine WLS: $(0.33 \times \$79.15/\text{hr})$	=	<u>\$26.12 /hr</u>

c. Repair Cost = (Equip. Cost x Repair Cost Factor x EAF x LAF)/Life (hrs)

(1) EAF = (Econ Index Present Yr / Econ Index Yr of Mfg).		
$(4438 \text{ Pres. Yr} / 3749 \text{ Yr of Mfg})$	=	<u>1.184</u>
(2) Life (hrs) = $(30\text{yrs} \times 6\text{mo} \times 500\text{hrs})$	=	<u>90,000 hrs</u>
(3) Repair Cost: $(\$3700000 \times 1.20 \times 1.184 \times 1.00) / 90000 \text{ hrs}$	=	<u>\$58.41 /hr</u>

d. Subtotal Operating Cost = (Fuel + WLS + Repairs)  
 $(\$134.58 + \$79.15 + \$44.41 + \$26.12 + \$58.41) =$   $\$342.67 /hr$

5. Subtotal Hourly Ownership & Operating Cost.

$(\$83.74 /hr + \$342.67 /hr)$	=	<u><math>\\$426.41 /hr</math></u>
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6. Subtotal Monthly Rate = (Hourly Total x Use Hours/Month)

$(\$426.41 /hr \times 500 \text{ hrs})$	=	<u><math>\\$213,205 /mo</math></u>
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7. Additive Item(s) (monthly cost to be estimated)

(1) Dredge Wear (Mud, Sand or Gravel).....>	<u><math>\\$24,000 /mo</math></u>
{2} Dry Docking.....>	<u><math>\\$15,000 /mo</math></u>
{3} Yard cost.....>	<u><math>\\$12,000 /mo</math></u>
{4} .....>	<u>/mo</u>
{5} .....>	<u>/mo</u>

Subtotal Estimated Additive Items	<u><math>\\$51,000 /mo</math></u>
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8. Total Monthly Rate.....  $\$264,205 /mo$

Figure H-1

**APPENDIX I**  
**MANUFACTURER CODES**

CODE	MANUFACTURER	CODE	MANUFACTURER
AC	ACE ENTERPRISES	GO	GOMACO
AD	ACKER DRILL	GR	GORMAN-RUPP
AE	AEROIL PRODUCTS	GV	GROVE
AI	AMIDA	HA	HAZCO
AK	AKERMAN	HD	HYDRAULIC POWER SYSTEMS
AL	ALLENTOWN	HE	HENDRIX
AM	AMERICAN CRANE	HI	HITACHI
AN	ATLANTIC	HO	HOMELITE
AO	ALKOTA	HY	HYSTER
AP	AMERICAN PECCO	IC	INTERNATIONAL CONST. EQUIP. (I.C.E)
AR	AMERICAN ROAD MACHINERY	ID	INTERNATIONAL/DRESSER
BA	BADGER	IG	INGRAM
BD	BRODERSON	IN	INGERSOLL-RAND
BE	BEEBE	IS	INSLEY
BG	BARBER-GREENE	IT	INTERNATIONAL/NAVISTAR
BI	BOR-IT	JD	JOHN DEERE
BK	BLAW-KNOX	KA	KAWASAKI
BL	BLASTRAC	KE	KENWORTH
BO	BOMAG	KH	KOHLER
BS	BALDERSON	KI	KLEIN
BU	BUSH HOG	KL	KOLMAN
CA	CATERPILLAR	KM	KOMATSU
CE	CATERPILLAR-ATHY	KN	KENT
CG	CHEMGROUT	KO	KOEHRING
CH	CHAMPION	LA	LAYTON
CI	CHIPMORE	LB	LINK BELT
CM	CLEMCO	LI	LINK BELT (PMC)
CR	CAMLEVER	LO	LORAIN
CS	CASE	LY	LONGYEAR
CT	CLEVELAND TRENCHER	MA	MANITOWOC
DA	DARDA	MB	M-B
DJ	DJB/CATERPILLAR	MC	MICHIGAN / VME
DW	DITCH WITCH	MD	MDI/YUTANI
DY	DYNAPAC	ME	MELROE / BOBCAT
ES	ESCO	MF	MASSEY FERGUSON
ET	ETNYRE, E.D.	MI	MITSUBISHI
EU	EUCLID/VME	MK	MKT GEOTECHNICAL
EX	EXCEL	ML	MARLOW
FE	PELKER/DRESSER	MO	MORGEN
FI	FIATALLIS	MR	MOBILE DRILL
FN	FORD/NEW HOLLAND	MS	MASTER
FO	FORD	MT	MACK TRUCKS
FR	FERGUSON	MU	MULTIQUIP
FU	FURUKAWA	NO	NORTHWEST
GA	GRADALL	ON	ONAN
GB	GAR-BRO	PE	PETERBILT
GD	GARDNER DENVER	PH	P & H/HARNISCHFEGER
GI	GALION/DRESSER	RE	REACH ALL
GL	GARLOCK	RM	ROME
GM	GMC AND CHEVROLET	RN	RANGER / VME

## MANUFACTURER CODES (Continued)

CODE	MANUFACTURER	CODE	MANUFACTURER
RO	ROBBINS		
RS	ROSCO		
SA	SAUERMAN		
SC	SCHWING AMERICA		
SE	SEALMASTER		
SK	SKAGIT		
SO	SOUTHWEST		
SP	SPRAGUE AND HENWOOD		
ST	STOW		
SU	SULLIVAN		
TA	TAMPO		
TD	TADANO		
TE	TEREX		
TO	TORO		
TR	TROJAN/O & K		
UN	UNIT RIG		
VE	VERMEER		
VO	VOLVO/VME		
VU	VULCAN		
WA	WABCO/DRESSER		
WC	WACKER		
WE	WEATHERFORD/AMERICAN AERO		
XX	NO SPECIFIC MANUFACTURER		

## APPENDIX J

### EQUIPMENT ACCESSORIES

In addition to features required for safety, the following accessories 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:

(a) Crane, Crawler-Mounted

- (1) Power load lowering
- (2) Independent swing and travel
- (3) Third drum
- (4) Torque converter (machines 25 ton or larger)
- (5) One-half maximum boom length (machines 60 ton or smaller)
- (6) Maximum boom length (machines larger than 60 ton)
- (7) Counterweight

(b) Dragline and Clamshell, Crawler-Mounted

- (1) Power load lowering
- (2) Independent swing and travel
- (3) Third drum
- (4) Torque converter (machines 1-1/2 CY or larger)
- (5) Approximately one-half maximum boom length
- (6) Counterweight

(c) Backhoe and Shovel, Crawler-Mounted

- (1) Power load lowering
- (2) Torque converter (Machines 1-1/2 CY or larger)
- (3) Counterweight

(d) Truck Crane Less than 25 Ton

- (1) Power load lowering
- (2) Third drum
- (3) Mechanical outriggers with screw jacks
- (4) Power steering
- (5) Maximum boom length
- (6) Counterweight

## EQUIPMENT ACCESSORIES (Continued)

(e) Truck Crane 25 Ton and Larger

- (1) Power load lowering
- (2) Third drum
- (3) Hydraulic outriggers with screw jacks
- (4) Torque converter when available (upper only)
- (5) Power steering
- (6) Diesel engines
- (7) Maximum boom length
- (8) Counterweight

(f) Excavators, Hydraulic

- (1) Backhoe bucket (standard)
- (2) Backhoe stick (medium length)
- (3) Backhoe boom (one piece)
- (4) Backhoe bucket linkage (includes cylinder)
- (5) Guards
- (6) Counterweight
- (7) Alternator (heavy-duty) and lights
- (8) Tool kit

(g) Grader

- (1) Enclosed operator cab
- (2) Scarifier
- (3) Front wheel lean
- (4) Power circle
- (5) Hydraulic shift and tilt moldboard
- (6) End bits
- (7) Alternator (heavy-duty) and lights
- (8) Tool kit

(h) Belt Loader

- (1) Power unit
- (2) Head pulley clutch and backstop
- (3) Belt cleaner and belt installing equipment
- (4) King pin attachment

(i) Loader 1-1/2 CY and Larger

- (1) Reversible fan blade
- (2) Guard, power train
- (3) Automatic bucket positioner
- (4) Counterweight
- (5) Rock buckets (machines 4 CY or larger)
- (6) Alternator (heavy-duty) and lights
- (7) Tool kit

EQUIPMENT ACCESSORIES (Continued)

(j) Scraper

- (1) Control single lever
- (2) Reversible fan blade
- (3) Flood light
- (4) Alternator (heavy-duty) and lights
- (5) Guards, power train
- (6) Tool kit

(k) Tractor, Crawler

- (1) Hydraulic controls for ripper and blade
- (2) Guards
- (3) Reversible fan blade
- (4) Alternator (heavy-duty) and lights
- (5) Hook, front pull
- (6) Track Grousers (severe service for units over 200 hp)
- (7) Blades include counterweights where required
- (8) Tool kit

(l) Tractor, Wheel Dozer

- (1) Hydraulic controls for ripper and blade
- (2) Guards
- (3) Reversible fan blade
- (4) Alternator (heavy-duty) and lights
- (5) Blade
- (6) Counterweight
- (7) Tool kit

(m) Trucks, Off-Highway

- (1) No-spin differential
- (2) Tacograph
- (3) Engine and transmission guards
- (4) Body liners
- (5) Tool kit

**APPENDIX K****FEDERAL COST OF MONEY RATE****(Renegotiation or Prompt Payment Rate)**


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JULY - DECEMBER 1976.....	8 1/2 %	( 8.500)
JANUARY - JUNE 1977.....	7 3/4 %	( 7.750)
JULY - DECEMBER 1977.....	7 7/8 %	( 7.875)
JANUARY - JUNE 1978.....	8 1/4 %	( 8.250)
JULY - DECEMBER 1978.....	9 %	( 9.000)
JANUARY - JUNE 1979.....	9 7/8 %	( 9.875)
JULY - DECEMBER 1979.....	10 1/4 %	(10.250)
JANUARY - JUNE 1980.....	12 1/4 %	(12.250)
JULY - DECEMBER 1980.....	10 1/2 %	(10.500)
JANUARY - JUNE 1981.....	14 5/8 %	(14.675)
JULY - DECEMBER 1981.....	14 7/8 %	(14.875)
JANUARY - JUNE 1982.....	14 3/4 %	(14.750)
JULY - DECEMBER 1982.....	15 1/2 %	(15.500)
JANUARY - JUNE 1983.....	11 1/4 %	(11.250)
JULY - DECEMBER 1983.....	11 1/2 %	(11.500)
JANUARY - JUNE 1984.....	12 3/8 %	(12.375)
JULY - DECEMBER 1984.....	14 3/8 %	(14.375)
JANUARY - JUNE 1985.....	12 1/8 %	(12.125)
JULY - DECEMBER 1985.....	10 3/8 %	(10.375)
JANUARY - JUNE 1986.....	9 3/4 %	( 9.750)
JULY - DECEMBER 1986.....	8 1/2 %	( 8.500)
JANUARY - JUNE 1987.....	7 5/8 %	( 7.625)
JULY - DECEMBER 1987.....	8 7/8 %	( 8.875)
JANUARY - JUNE 1988.....	9 3/8 %	( 9.375)
JULY - DECEMBER 1988.....	9 1/4 %	( 9.250)
JANUARY - JUNE 1989.....	9 3/4 %	( 9.750)
JULY - DECEMBER 1989.....	9 1/8 %	( 9.125)
JANUARY - JUNE 1990.....	8 1/2 %	( 8.500)
JULY - DECEMBER 1990.....	9 %	( 9.000)
JANUARY - JUNE 1991.....	8 3/8 %	( 8.375)

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