

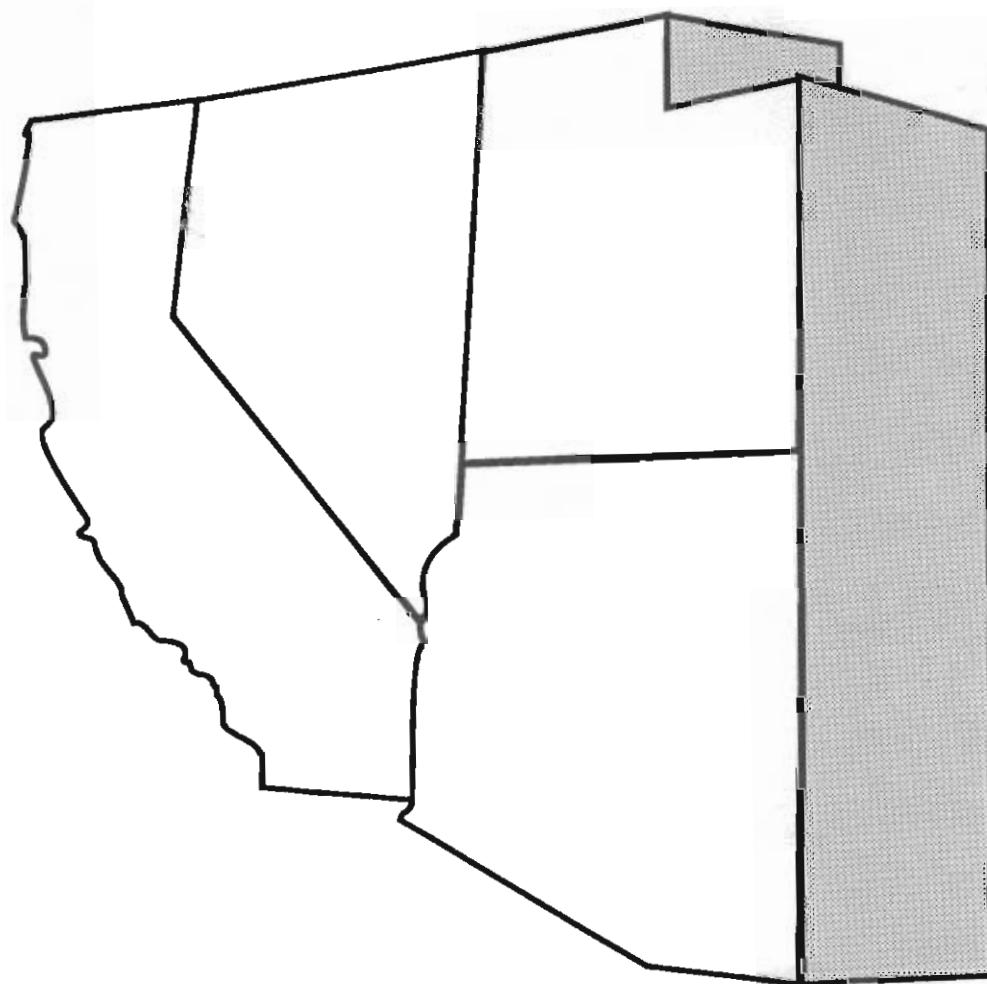


US Army Corps
of Engineers

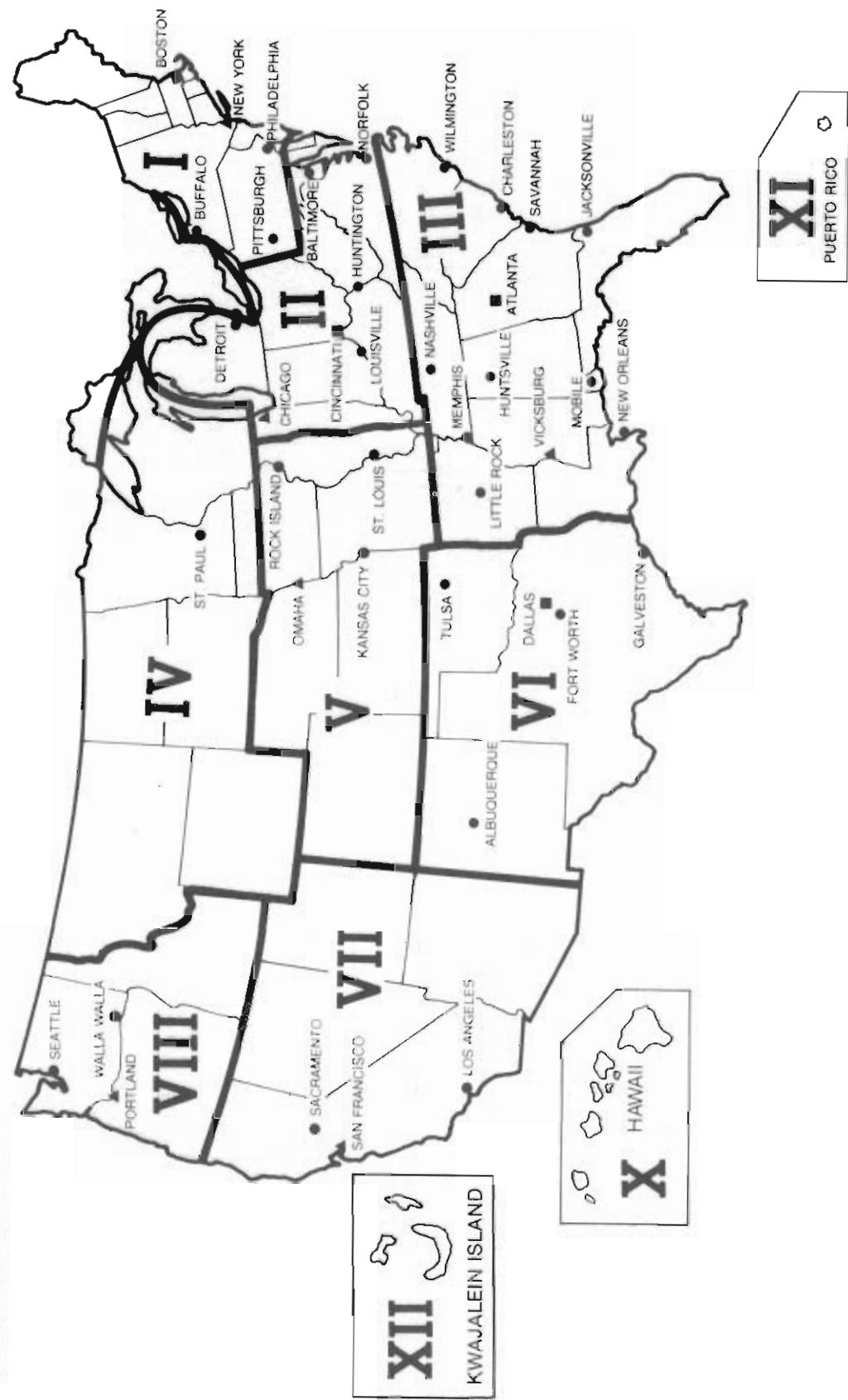
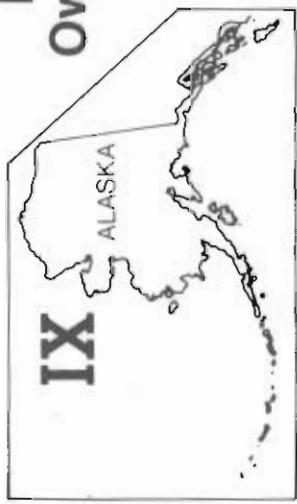
EP 1110-1-8
Volume 7
August 1991

Construction Equipment Ownership and Operating Expense Schedule

Region VII



Regions for the Construction Equipment Ownership and Operating Expense Schedule



CECW-LC

DEPARTMENT OF THE ARMY
U.S. Army Corps of Engineers
Washington, DC 20314-1000

EP 1110-1-8
(Vol. 7)

Engineer Pamphlet
No. 1110-1-8

30 August 1991

Engineering and Design
CONSTRUCTION EQUIPMENT OWNERSHIP
AND OPERATING EXPENSE SCHEDULE

Table of Contents

<u>Subject</u>	<u>Paragraph</u>	<u>Page</u>
CHAPTER 1. INTRODUCTION		
Purpose-----	1-1	1-1
Applicability-----	1-2	1-1
References-----	1-3	1-1
General-----	1-4	1-1
Use-----	1-5	1-1
How to Obtain This Publication--	1-6	1-2
CHAPTER 2. METHODOLOGY		
General-----	2-1	2-1
Construction Equipment-----	2-2	2-1
Sample Computation-----	2-3	2-7
Marine Equipment-----	2-4	2-7
CHAPTER 3. RATE SCHEDULE		
Introduction-----	3-1	3-1
Hourly Equipment Ownership and Operating Expense-----	3-2	3-1
Assistance-----	3-3	3-4
Table 3-1. Hourly Equipment Ownership and Operating Expense		3-5
Table 3-2. Equipment Age Adjustment Factors for Ownership Cost-----		3-115
Table 3-3. Equipment Age Adjustment Factors for Standby Costs-----		3-123
Table 3-4. Shift Adjustment Factors for Ownership Costs-----		3-131
Table 3-5. Hourly Rate Elements-----		3-133

This pamphlet supersedes EP 1110-1-8, Volume 7, 1 December 1988

EP 1110-1-8
(Vol. 7)
30 Aug 91

<u>Subject</u>	<u>Page</u>
APPENDIX A. REFERENCES-----	A-1
APPENDIX B. AREA FACTORS-----	B-1
APPENDIX C. GUIDE FOR SELECTING OPERATING CONDITIONS-----	C-1
APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS-----	D-1
APPENDIX E. ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT-----	E-1
APPENDIX F. TIRE DESCRIPTION AND TIRE COST-----	F-1
APPENDIX G. TIRE LIFE AND TIRE WEAR FACTORS-----	G-1
APPENDIX H. MARINE EQUIPMENT-----	H-1
APPENDIX I. MANUFACTURER CODES-----	I-1
APPENDIX J. EQUIPMENT ACCESSORIES-----	J-1
APPENDIX K. FEDERAL COST OF MONEY RATE-----	K-1

CHAPTER 1

INTRODUCTION

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

Arizona

California

Nevada

Utah

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.

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

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.

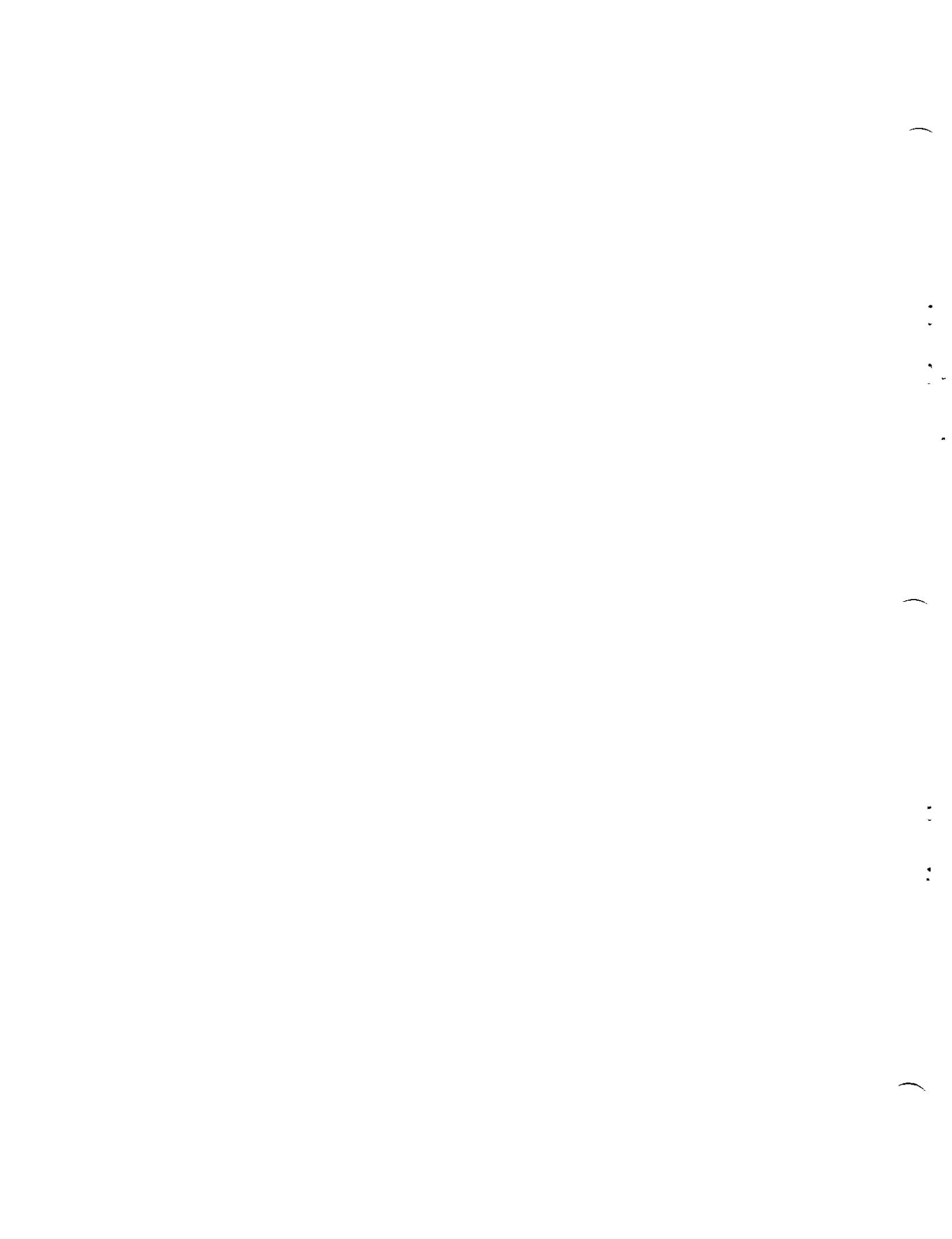
(6) Tire Repair Costs. Tire repairs are computed as 15 percent of the hourly tire wear cost.

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.: <u>4</u> | Size/Ply: <u>14x20 18PR</u> | Cost: \$ <u>3,304</u> |
| (b) Drive: No.: <u>8</u> | Size/Ply: <u>14x20 18PR</u> | Cost: \$ <u>6,608</u> |
| (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)]

$$(\underline{422,802}) \times (\underline{.075}) = -\$ \underline{31,710}$$

(2) Freight: (Shipping Weight) x (Freight Rate per CWT)
 [1.a.(8)] [APPENDIX B]

$$(\underline{1,197} \text{ CWT}) \times (\underline{7.10}) = \$ \underline{8,499}$$

(3) Subtotal: [2.a.(1)] + [2.a.(2)] S/T \$ 399,591

b. State Sales Tax: (Subtotal) x (Tax Rate)
 [2.a.(3)] [APPENDIX B]

$$(\underline{399,591}) \times (\underline{.065}) = \$ \underline{25,973}$$

c. TOTAL EQUIPMENT COST: [(2.a.(3)) + [(2.b)]] 2. TOTAL: \$ 425,564

(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]

$$(\underline{16,000} \text{ Hrs}) / (\underline{1,700} \text{ Hrs/Yr}) = \underline{9.41} \text{ Yrs}$$

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]

$$(\underline{4415}) / (\underline{3967}) = \underline{1.113} \text{ (EAF)}$$

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

5. SALVAGE VALUE FACTOR (S)

(Salvage Value) x (EAF)
 [1.c.(5)] [4.a.1]

$$(\underline{0.15}) \times (\underline{1.113}) = \underline{0.167} \text{ (S)}$$

Figure 2-1 Equipment Rate Computation Work Sheet

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

6. OWNERSHIP COSTS

a. Depreciation:

(1) (Tire Index) / (Tire Index) = Tire Cost Index (TCI)
 (Yr of Mfgr) (Present Year)

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

(2) [(Total Equip Cost) x [1.0 - (S)] - [(TCI) x (Tire Cost)]] / (LIFE)
 [2.c.] [S.a.] [6.a.(1)] [1.a.(9)(d)] [1.c.(4)]

$$[(\underline{425564}) x [1.0 - (.167)] - (.966 x \underline{9,912}]) / \underline{16,000}$$

$$= \$ \underline{21.56} /Hr$$

b. Cost of Facilities Capital (CFC):

(1) [(LIFE) - 1.0] x [(S) + 1.0] + 2.0] / [(LIFE) x 2.0] = Avg Value Factor (AVF)
 [3.a.] [S.a.] [3.a.]

$$[(\underline{9.41} \text{ Yrs}) - 1.0] x [(.167) + 1.0] + 2.0] / [(\underline{9.41} \text{ Yrs}) x 2.0]
 = \underline{0.6278} \text{ (AVF)}$$

(2) (Total Equip Cost) x (AVF) x (Cost of Money) / (Working Hrs per Yr)
 [2.c.] [6.c.(1)] [APPENDIX B] [APPENDIX B]

$$(\underline{425564} x \underline{.6278} x \underline{.067}) / \underline{1,700} \text{ Hrs/Yr}$$

$$= \$ \underline{10.53} /Hr$$

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

6. TOTAL: \$ 32.09 /Hr**7. OPERATING COSTS**

a. Fuel Costs (Hourly):

(1) Equipment:

(Fuel Factor) x (Horsepower) x (Fuel Cost Per Gallon)
 [1.c.(6)] [1.a.(5)] [APPENDIX B]

$$(\underline{.036}) x (\underline{110} \text{ HP}) x (\underline{.87} /Gal) = \$ \underline{3.45} /Hr$$

(2) Carrier:

(Fuel Factor) x (Horsepower) x (Fuel Cost Per Gallon)
 [1.c.(7)] [1.a.(6)] [APPENDIX B]

$$(\underline{.006}) x (\underline{318} \text{ HP}) x (\underline{1.32} /Gal) = \$ \underline{2.52} /Hr$$

(3) TOTAL HOURLY FUEL COSTS: [(7.a(1)) + (7.a(2))] Total 7.a. = \$ 5.97 /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)]

$$(.26) \times (.3.45) / \text{Hr} = \$.90 / \text{Hr}$$

(2) Carrier:

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

$$(.26) \times (.2.52) / \text{Hr} = \$.65 / \text{Hr}$$

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

$$\text{Total 7.b.} = \$ 1.55 / \text{Hr}$$

c. Repair Costs (Hourly):

(1) Repair Factor:

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

$$(.70) \times (.1.113) \times (.1.16) = .904 \text{ (RF)}$$

(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)]

$$[(425,564) - (.966 \times 9,912)] \times (.904) / 16,000$$

$$\text{Total 7.c.} = \$ 23.50 / \text{Hr}$$

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:

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

$$[(1.5 \times \underline{3,304}) / [1.8 \times (.97) \times (5,000 / \text{Hrs})]] \\ = \$ \underline{.57} / \text{Hr}$$

(2) Drive Tires:

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

$$[(1.5 \times \underline{6,608}) / [1.8 \times (.78) \times (5,000 / \text{Hrs})]] \\ = \$ \underline{1.41} / \text{Hr}$$

(3) Trailing Tires:

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

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

(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: = \$ 33.29 /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.]

$$(\underline{32.09} / \text{Hr}) + (\underline{33.29} / \text{Hr})$$

- \$ 65.38 / 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.]

$$(\underline{21.56} / \text{Hr}) + [(\underline{10.53} / \text{Hr} \times 40 \text{ Hrs/Wk}) / (\underline{60} \text{ Hrs/Wk})] + (\underline{33.29} / \text{Hr})$$

- \$ 61.87 / Hr

c. Standby - Hourly Rate:

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

$$[(\underline{21.56} / \text{Hr}) \times 0.50] + (\underline{10.53} / \text{Hr})$$

(See paragraph 2-2 for adjustments.)

- \$ 21.31 / Hr

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). 1986

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:



11 Appendices
APP A thru K (see Table
of Contents)

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

TABLE 3-1 HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CATEGORY INDEX

	<u>Page</u>
A10 AGGREGATE/CHIP SPREADERS.....	3 - 9
A15 AIR COMPRESSORS, PORTABLE.....	3 - 9
A20 AIR HOSE, TOOLS, AND EQUIPMENT.....	3 - 10
A25 ASPHALT DISTRIBUTORS.....	3 - 12
A30 ASPHALT FINISHERS/PAVERS.....	3 - 13
A35 ASPHALT KETTLES.....	3 - 14
A40 ASPHALT AND CONCRETE MILLERS/PROFILERS.....	3 - 14
A45 ASPHALT RECYCLERS AND SEALERS.....	3 - 15
B00 BACKHOE (SEE HYDRAULIC EXCAVATORS).....	
B15 BROOMS, STREET SWEEPERS AND FLUSHERS.....	3 - 15
B20 BRUSH CHIPPERS.....	3 - 16
B25 BUCKETS, CLAMSHELL.....	3 - 17
B30 BUCKETS, CONCRETE.....	3 - 19
B35 BUCKETS, DRAGLINE.....	3 - 20
C05 CHAIN SAWS.....	3 - 22
C10 COMPACTORS, MANUALLY OPERATED.....	3 - 22
C15 CONCRETE BLASTERS.....	3 - 24
C20 CONCRETE BUGGIES.....	3 - 24
C25 CONCRETE FINISHERS.....	3 - 24
C35 CONCRETE GUNITERS/SHOTCREETERS.....	3 - 25
C40 CONCRETE MIXERS.....	3 - 26
C45 CONCRETE PAVING MACHINES.....	3 - 26
C55 CONCRETE PUMPS.....	3 - 27
C60 CONCRETE SAWS.....	3 - 28
C65 CONCRETE VIBRATORS.....	3 - 29
C75 CRANES, HYDRAULIC, SELF-PROPELLED.....	3 - 29
C80 CRANES, HYDRAULIC, TRUCK MOUNTED.....	3 - 31
C85 CRANES, MECHANICAL, CRAWLER MOUNTED.....	3 - 33
C90 CRANES, MECHANICAL, TRUCK MOUNTED.....	3 - 39
C95 CRANES, TOWER.....	3 - 40
D10 DRILLS, AIR TRACK, CRAWLER MOUNTED.....	3 - 41
D15 DRILLS, BORING MACHINES.....	3 - 42

TABLE 3-1 HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CATEGORY INDEX (Continued)

	<u>Page</u>
D20 DRILLS, CORE, COLUMN MOUNTED.....	3 - 42
D25 DRILLS, CORE, SKID MOUNTED.....	3 - 43
D30 DRILLS, EARTH/AUGER.....	3 - 43
D35 DRILLS, ROTARY BLAST HOLE.....	3 - 44
F10 FORK LIFTS.....	3 - 46
G10 GENERATOR SETS.....	3 - 47
G15 GRADERS, MOTOR.....	3 - 48
H20 HOISTS.....	3 - 50
H25 HYDRAULIC EXCAVATORS, CRAWLER MOUNTED.....	3 - 51
H30 HYDRAULIC EXCAVATORS, WHEEL MOUNTED.....	3 - 56
H35 HYDRAULIC SHOVELS, CRAWLER MOUNTED.....	3 - 57
L10 LAND CLEARING EQUIPMENT.....	3 - 58
L15 LAWN MOWERS.....	3 - 59
L20 LIGHTING SETS, TRAILER MOUNTED.....	3 - 60
L25 LINE STRIPING EQUIPMENT.....	3 - 61
L30 LOADERS, BELT.....	3 - 61
L35 LOADERS, FRONT END, CRAWLER TYPE.....	3 - 63
L40 LOADERS, FRONT END, WHEEL TYPE.....	3 - 64
L45 LOADERS WITH BACKHOE, CRAWLER TYPE.....	3 - 69
L50 LOADERS WITH BACKHOE, WHEEL TYPE.....	3 - 69
L55 LOADER/BACKHOE, ATTACHMENTS.....	3 - 70
L60 LOG SKIDDER.....	3 - 71
P10 PILE EXTRACTORS AND LEADS.....	3 - 72
P20 PILE HAMMERS, DOUBLE ACTING.....	3 - 72
P25 PILE HAMMERS, SINGLE ACTING.....	3 - 73
P30 PILE HAMMERS, VIBRATORY.....	3 - 74
P35 PIPELAYERS.....	3 - 74
P40 PLATFORMS, AERIAL WORK.....	3 - 75
P45 PUMPS, GROUT.....	3 - 75
P50 PUMPS, WATER, CENTRIFUGAL, TRASH.....	3 - 76
P55 PUMPS, WATER, SUBMERSIBLE.....	3 - 77
P60 PUMPS, WATER, CENTRIFUGAL, DEWATERING.....	3 - 77

TABLE 3-1 HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CATEGORY INDEX (Continued)

	<u>Page</u>
P65 PUMPS, WATER, DIAPHRAGM.....	3 - 78
P70 PUMPS, WATER (FOR CORE DRILLS).....	3 - 79
R10 RIPPER AND HYDRAULIC BANK SLOPERS.....	3 - 79
R15 ROLLERS, TOWED (PNEUMATIC).....	3 - 80
R30 ROLLERS, STATIC, SELF-PROPELLED	3 - 81
R40 ROLLERS, VIBRATORY, TOWED.....	3 - 83
R45 ROLLERS, VIBRATORY, DOUBLE DRUM,.....	3 - 84
R50 ROLLERS, VIBRATORY, SINGLE DRUM.....	3 - 86
R55 ROOFING EQUIPMENT.....	3 - 88
S10 SCRAPERS, ELEVATING.....	3 - 88
S15 SCRAPERS, CONVENTIONAL.....	3 - 89
S20 SCRAPERS, TANDEM POWERED.....	3 - 90
S25 SCRAPERS, TRACTOR DRAWN.....	3 - 91
S35 SNOW REMOVAL EQUIPMENT.....	3 - 91
S40 SOIL STABILIZERS.....	3 - 91
S45 SPLITTERS, ROCK AND CONCRETE.....	3 - 91
T10 TRACTOR BLADES AND ATTACHMENTS.....	3 - 92
T15 TRACTORS, CRAWLER (DOZER).....	3 - 94
T20 TRACTORS, WHEEL TYPE (DOZER).....	3 - 97
T25 TRACTORS, WHEEL TYPE (FARM).....	3 - 97
T30 TRENCHERS, CHAIN.....	3 - 97
T35 TRENCHERS, WHEEL TYPE.....	3 - 98
T40 TRUCK OPTIONS (ADD TRUCK).....	3 - 99
T45 TRUCK TRAILERS,.....	3 - 101
T50 TRUCKS, HIGHWAY.....	3 - 103
T55 TRUCKS, OFF-HIGHWAY.....	3 - 106
T60 TRUCKS, WATER, OFF-HIGHWAY.....	3 - 108
W10 WAGONS, BOTTOM DUMP.....	3 - 108
W15 WAGONS, REAR DUMP.....	3 - 108
W25 WATER BLASTERS.....	3 - 109
W30 WATER TANKS.....	3 - 110
W35 WELDERS.....	3 - 111

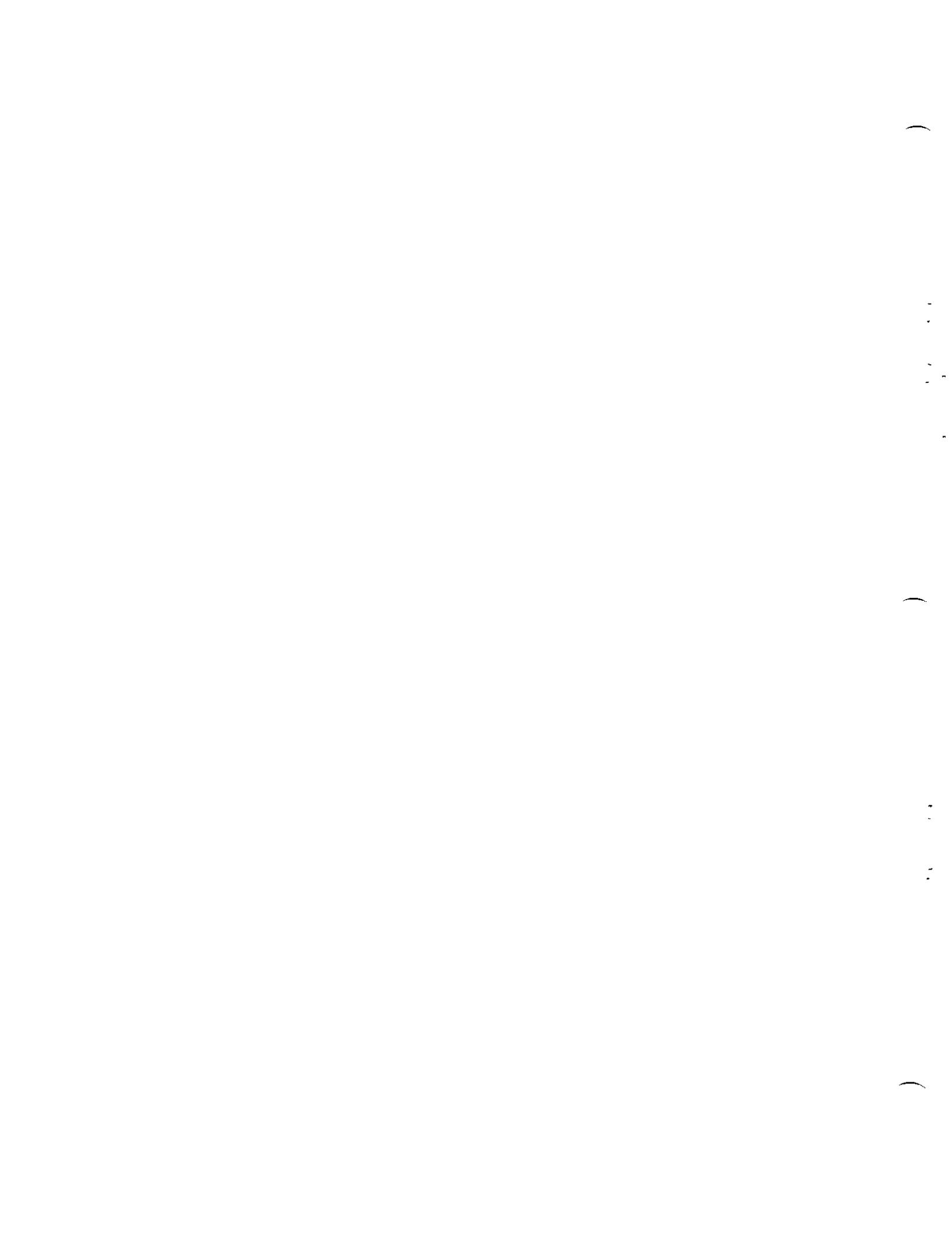


TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (AVERAGE CONDITIONS)

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT						
					AVERAGE	STANDBY	DEPR	CFC								
A10 AGGREGATE/CHIP SPREADERS																
.10 SELF PROPELLED																
ETNYRE, E.D.																
A10	A10ET001	C-201-89R2	10' HOPPER, 2WD, MECHANICAL	152 HP D	70,208	18.51	4.57	5.41	1.86	3.70	165					
	A10ET002	C-201-89R2	13' HOPPER, 2WD, MECHANICAL	190 HP D	73,161	20.24	4.76	5.64	1.94	4.63	170					
	A10ET003	C-202-89R	10' HOPPER, 2WD, HYDROSTATIC	152 HP D	79,497	20.34	5.18	6.14	2.11	3.70	165					
	A10ET004	C-202-89R	13' HOPPER, 2WD, HYDROSTATIC	190 HP D	82,645	22.11	5.39	6.39	2.19	4.63	170					
ROSCO																
A10	A10RS001	SPR-H	CHIP SPREADER, 10' HOPPER	152 HP D	64,635	17.41	4.20	4.97	1.71	3.70	152					
	A10RS002	SPR-H	CHIP SPREADER, 13.5' HOPPER	152 HP D	65,839	17.66	4.29	5.07	1.75	3.70	152					
.20 TOWED & TAILGATE																
AMERICAN ROAD MACHINERY																
A10	A10AR001	TG-505C	TAILGATE SPREADER, 8' WIDE (ADD DUMP TRUCK)		2,850	0.80	0.27	0.37	0.08	0.00	5					
	A10AR002	O'DELL	TOWED SPREADER, 8' WIDE ASPHALT & AGG. SPREADING TO 8" (ADD DUMP TRUCK)		5,592	1.58	0.53	0.73	0.16	0.00	22					
A15 AIR COMPRESSORS, PORTABLE																
.10 ROTARY SCREW																
NO SPECIFIC MANUFACTURER																
A15	A15XX001		100 CFM QUIET, 100 PSI (ADD HOSE)	50 HP G	12,833	7.63	0.81	0.92	0.35	3.89	20					
	A15XX002		100 CFM QUIET, 100 PSI (ADD HOSE)	35 HP D	15,414	4.41	0.97	1.10	0.42	1.10	26					
	A15XX003		125 CFM QUIET, 100 PSI (ADD HOSE)	65 HP G	15,701	9.72	0.99	1.12	0.43	5.05	24					
	A15XX004		125 CFM QUIET, 100 PSI (ADD HOSE)	51 HP D	16,705	5.31	1.06	1.20	0.46	1.60	26					
	A15XX005		175 CFM QUIET, 100 PSI (ADD HOSE)	70 HP G	17,134	10.52	1.09	1.23	0.47	5.44	26					
	A15XX006		175 CFM QUIET, 100 PSI (ADD HOSE)	65 HP D	19,428	6.40	1.23	1.40	0.53	2.04	28					
	A15XX007		185 CFM QUIET, 100 PSI (ADD HOSE)	70 HP G	17,692	10.63	1.13	1.27	0.49	5.44	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	20,845	7.07	1.32	1.50	0.57	2.35
	A15XX009		250 CFM QUIET, 100 PSI (ADD HOSE)	95 HP D	29,232	9.51	1.85	2.10	0.80	2.98
	A15XX010		375 CFM QUIET, 100 PSI (ADD HOSE)	112 HP D	38,571	12.03	2.42	2.72	1.06	3.51
	A15XX011		450 CFM QUIET, 100 PSI (ADD HOSE)	150 HP D	54,777	16.73	3.46	3.90	1.51	4.70
	A15XX012		600 CFM QUIET, 100 PSI (ADD HOSE)	200 HP D	61,126	19.96	3.85	4.34	1.68	6.26
	A15XX013		750 CFM QUIET, 100 PSI (ADD HOSE)	240 HP D	70,707	23.44	4.47	5.04	1.95	7.52
	A15XX014		900 CFM QUIET, 100 PSI (ADD HOSE)	260 HP D	79,406	25.93	5.02	5.67	2.18	8.14
	A15XX015		1200 CFM QUIET, 100 PSI (ADD HOSE)	325 HP D	111,982	34.90	7.10	8.04	3.08	10.18
	A15XX016		1400 CFM QUIET, 100 PSI (ADD HOSE)	395 HP D	125,428	40.33	7.95	9.00	3.45	12.37
	A15XX017		1600 CFM QUIET, 100 PSI (ADD HOSE)	456 HP D	131,663	43.99	8.35	9.45	3.62	14.28
A20			AIR HOSE, TOOLS & EQUIPMENT							
	.10		AIR HOSES							
			NO SPECIFIC MANUFACTURER							
	A20XX001	HARDROCK	AIR HOSE, 3/4" DIAM., 100' LONG		505	0.42	0.09	0.13	0.02	0.00
	A20XX002	HARDROCK	AIR HOSE, 1" DIAM., 100' LONG		553	0.46	0.09	0.14	0.02	0.00
	A20XX003	HARDROCK	AIR HOSE, 1-1/4" DIAM., 100' LONG		677	0.56	0.11	0.17	0.02	0.00
	A20XX004	HARDROCK	AIR HOSE, 1-1/2" DIAM., 100' LONG		796	0.65	0.12	0.20	0.02	0.00
	A20XX005	HARDROCK	AIR HOSE, 2" DIAM., 100' LONG		1,114	0.91	0.17	0.28	0.03	0.00
	A20XX006	HARDROCK	AIR HOSE, 2-1/2" DIAM., 100' LONG		1,331	1.10	0.21	0.34	0.04	0.00
	A20XX007	HARDROCK	AIR HOSE, 3" DIAM., 100' LONG		2,742	2.27	0.43	0.70	0.08	0.00
	A20XX008	HARDROCK	AIR HOSE, 4" DIAM., 100' LONG		4,123	3.42	0.66	1.05	0.13	0.00
	A20XX009	YELLOW-LINE	AIR HOSE, 3/4" DIAM., 100' LONG		164	0.13	0.02	0.04	0.00	0.00
	A20XX010	YELLOW-LINE	AIR HOSE, 1" DIAM., 100' LONG		183	0.16	0.04	0.05	0.01	0.00
	A20XX011	YELLOW-LINE	AIR HOSE, 1-1/4" DIAM., 100' LONG		438	0.36	0.07	0.11	0.01	0.00
	A20XX012	YELLOW-LINE	AIR HOSE, 1-1/2" DIAM., 100' LONG		553	0.46	0.09	0.14	0.02	0.00
	A20XX013	YELLOW-LINE	AIR HOSE, 2" DIAM., 100' LONG		650	0.54	0.11	0.17	0.02	0.00
	A20XX014	YELLOW-LINE	AIR HOSE, 2-1/2" DIAM., 100' LONG		968	0.80	0.16	0.25	0.03	0.00
	A20XX015	YELLOW-LINE	AIR HOSE, 3" DIAM., 100' LONG		1,259	1.04	0.20	0.32	0.04	0.00
	A20XX016	YELLOW-LINE	AIR HOSE, 4" DIAM., 100' LONG		1,819	1.51	0.29	0.46	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 HOURLY 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	411	0.36	0.06	0.10	0.01	0.00	1	
			A20XX018 BLAST HOSE, 3/4" ID, 1-1/2" OD, 100' L	559	0.49	0.09	0.14	0.02	0.00	1	
			A20XX019 BLAST HOSE, 1" ID, 1-7/8" OD, 100' L	704	0.62	0.11	0.18	0.02	0.00	1	
			A20XX020 BLAST HOSE, 1-1/2" ID, 2-3/8" OD, 100' L	860	0.76	0.14	0.22	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	1,667	1.23	0.22	0.33	0.05	0.00	3
	A20CM002	SCW-1440P	SANDBLASTER, 150 LB CAP. WITH HOSE (1" X 50') & ACC (ADD COMPRESSOR)	101 CFM A	2,969	2.14	0.38	0.58	0.09	0.00	5
	A20CM003	SCWB-1648P	SANDBLASTER, 300 LB CAP. WITH HOSE (1" X 50') & ACC (ADD COMPRESSOR)	101 CFM A	3,241	2.33	0.42	0.63	0.10	0.00	6
	A20CM004	SCWB-2452HP	SANDBLASTER, 600 LB CAP. WITH HOSE (1-1/4" X 50') & ACC (ADD COMPRESSOR)	216 CFM A	4,396	3.21	0.56	0.86	0.13	0.00	7
	A20CM005	SCH-3079R	SANDBLASTER W/HOPPER, 1400 LB CAP. W/1-1/4" PIPE, 50' RC HOSE (ADD COMP)	216 CFM A	11,562	8.23	1.48	2.26	0.35	0.00	9
	A20CM006	60-H	SANDBLASTER, 3 TON CAP, 1-1/4" PIPE W/50' HOSE W/2 NOZ, TRLR (ADD COMP)	450 CFM A	13,731	9.73	1.72	2.60	0.42	0.00	28
	A20CM007	120-H	SANDBLASTER, 6 TON CAP, 1-1/4" PIPE W/50' HOSE W/2 NOZ, TRLR (ADD COMP)	700 CFM A	17,208	12.18	2.14	3.22	0.53	0.00	45
	A20CM008	160-H	SANDBLASTER, 8 TON CAP, 1-1/4" PIPE W/50' HOSE W/2 NOZ, TRLR (ADD COMP)	900 CFM A	18,101	12.56	2.17	3.23	0.55	0.00	53
	A20CM009		STORAGE HOPPER, 640 CUBIC FT CAP 32-TON SAND BULK ABRASIVE STORAGE		9,895	7.22	1.27	1.93	0.30	0.00	55
			GARDNER DENVER								
	A20GD001	SP27E	SPADER, 35 LB, (ADD COMPRESSOR)	32 CFM A	777	0.60	0.10	0.15	0.02	0.00	1
	A20GD002	S58D	SINKER DRILL, DRY GLAND (ADD COMP)	98 CFM A	1,835	1.40	0.24	0.36	0.06	0.00	1
	A20GD003	S58W	SINKER DRILL, WET GLAND (ADD COMP)	98 CFM A	1,939	1.47	0.25	0.38	0.06	0.00	1
	A20GD004	B67C	PAVING BREAKER, 66 LB (ADD COMP)	46 CFM A	942	0.72	0.12	0.18	0.03	0.00	1

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			
A20			AIR HOSE, TOOLS & EQUIPMENT						
			.30 SANDBLASTERS & BREAKERS						
			GARDNER DENVER						
	A20GD005	B87C	PAVING BREAKER, 86 LB (ADD COMP)	50 CFM A	1,045	0.79	0.13	0.20	0.03
	A20GD006	S83PM	FEED LEG DRILL, 54" TRAVEL(ADD COMP) INCLUDES SWIVEL & POWER RETRACT LEG	103 CFM A	3,540	2.61	0.46	0.69	0.11
			WACKER						
	A20WC001	LHB 5	BREAKER/DRILL, 12 LB (ADD COMP)	20 CFM A	1,100	0.87	0.14	0.21	0.03
	A20WC002	EBB 10/110	BREAKER/DRILL, 40 LB (ADD GEN)	2 HP E	1,452	1.34	0.18	0.28	0.04
	A20WC003	BHB 25	ROCK DRILL/BREAKER, 88 LB	4 HP G	3,589	2.92	0.46	0.70	0.11
	A20WC004	BHF 30S	BREAKER/DRILL, 85 LB	4 HP G	3,658	2.98	0.47	0.72	0.11
A25			ASPHALT DISTRIBUTORS						
			ROSCO						
	A25RS001	RES	1,000 GALLON, FOR TRUCK MOUNTING (ADD 18,000 TO 24,000 GVW TRUCK)	50 HP G	31,204	13.12	2.39	3.07	0.85
	A25RS002	RRH	1,000 GAL, HYDROSTATIC, FOR TRUCK MTD (ADD 18,000 TO 24,000 GVW TRUCK)		33,074	9.97	2.53	3.26	0.90
	A25RS003	RES	1,500 GALLON, FOR TRUCK MOUNTING (ADD 24,000 TO 32,000 GVW TRUCK)	50 HP G	32,176	13.36	2.46	3.17	0.87
	A25RS004	RRH	1,500 GAL, HYDROSTATIC, FOR TRUCK MTD (ADD 24,000 TO 32,000 GVW TRUCK)		34,298	10.38	2.62	3.38	0.93
	A25RS005	RES	2,000 GALLON, FOR TRUCK MOUNTING (ADD 32,000 GVW TRUCK)	50 HP G	35,069	14.10	2.68	3.45	0.95
	A25RS006	RRH	2,000 GAL, HYDROSTATIC, FOR TRUCK MTD (ADD 32,000 GVW TRUCK)		37,035	11.19	2.84	3.65	1.01
	A25RS007	RES	3,000 GALLON, FOR TRUCK MOUNTING (ADD 42,000 GVW TRUCK)	50 HP G	38,102	14.89	2.92	3.75	1.04
	A25RS008	RRH	3,500 GAL, HYDROSTATIC, FOR TRUCK MTD (ADD 42,000 GVW TRUCK)		42,692	12.74	3.27	4.21	1.16
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									
A30	ASPHALT FINISHERS/PAVERS																
.10 SELF PROPELLED																	
BARBER-GREENE																	
3 - 13	A30BG001	BG220B	8' STD PAVING WIDTH (PNEUMATIC) WITH 15'-6" SCREED EXT.	78 HP D	142,532	35.72	9.30	11.04	3.78	2.44	230						
	A30BG002	BG240B	10' STD PAVING WIDTH (PNEUMATIC) WITH 19' SCREED EXT.	105 HP D	163,855	41.79	10.61	12.52	4.35	3.29	290						
	A30BG003	BG260B	10' STD PAVING WIDTH (PNEUMATIC) WITH 19' SCREED EXT.	142 HP D	185,892	48.38	11.93	14.00	4.93	4.45	320						
	A30BG004	BG225B	8' STD PAVING WIDTH (CRAWLER) WITH 15'-6" SCREED EXT.	105 HP D	166,054	42.07	10.95	13.09	4.40	3.29	238						
	A30BG005	BG245B	10' STD PAVING WIDTH (CRAWLER) WITH 19'6" SCREED EXT.	105 HP D	198,433	49.46	13.08	15.64	5.26	3.29	296						
	A30BG006	BG265B	10' STD PAVING WIDTH (CRAWLER) WITH 19'6" SCREED EXT.	142 HP D	226,175	57.27	14.91	17.82	6.00	4.45	346						
BLAW-KNOX																	
3 - 13	A30BK001	PF-22	5'-12' STD PAVING WIDTH (PNEUMATIC)	23 HP D	56,933	13.93	3.71	4.39	1.51	0.72	95						
	A30BK002	PF-35	6'-12' STD PAVING WIDTH (PNEUMATIC)	44 HP D	88,495	21.98	5.79	6.88	2.35	1.38	104						
	A30BK003	PF-115	8' STD PAVING WIDTH (PNEUMATIC)	72 HP D	137,722	34.47	8.90	10.49	3.65	2.26	201						
	A30BK004	PF-120H	10' STD PAVING WIDTH (PNEUMATIC)	87 HP D	148,856	37.61	9.64	11.37	3.95	2.72	253						
	A30BK005	PF-180H	10' STD PAVING WIDTH (PNEUMATIC)	107 HP D	184,129	46.53	11.90	14.04	4.88	3.35	290						
	A30BK006	PF-220	12' STD PAVING WIDTH (PNEUMATIC)	148 HP D	228,995	58.53	14.77	17.40	6.07	4.64	387						
	A30BK007	PF-400A	8' STD PAVING WIDTH (CRAWLER)	103 HP D	173,570	43.71	11.44	13.68	4.60	3.23	230						
	A30BK008	PF-500	10' STD PAVING WIDTH (CRAWLER)	120 HP D	205,547	51.68	13.55	16.20	5.45	3.76	291						
CATERPILLAR																	
3 - 13	A30CA001	AP-200	9' STD PAVING WIDTH (CRAWLER)	35 HP D	40,290	10.59	2.66	3.17	1.07	1.10	90						
	A30CA002	AP-800	10' STD PAVING WIDTH (PNEUMATIC)	102 HP D	156,356	39.92	10.13	11.95	4.15	3.19	290						
	A30CA003	AP-1200	10' STD PAVING WIDTH (PNEUMATIC)	145 HP D	191,515	49.78	12.37	14.58	5.08	4.54	365						
.20 TOWED																	
LAYTON																	

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		
A30			ASPHALT FINISHERS/PAVERS							
	.20	TOWED								
		LAYTON								
	A30LA001	F-525	STANDARD PAVING WIDTH 8 FEET	14 HP G	21,028	6.26	1.37	1.61	0.56	1.09 36
	A30LA002	D-550	STANDARD PAVING WIDTH 8 FEET	14 HP G	28,280	7.73	1.84	2.18	0.75	1.09 40
A35			ASPHALT KETTLES							
		AEROIL PRODUCTS								
	A35AE001	KE-B-80KE	80 GALLON, TRAILER MOUNTED		3,165	2.01	0.29	0.40	0.09	0.00 9
	A35AE002	KE-B-115KE	115 GALLON, TRAILER MOUNTED		3,477	2.36	0.32	0.44	0.10	0.00 11
	A35AE003	KE-B-165KE	165 GALLON, TRAILER MOUNTED		4,472	2.79	0.42	0.57	0.13	0.00 12
	A35AE004	KE-B-230KE	230 GALLON, TRAILER MOUNTED		5,644	3.36	0.52	0.72	0.16	0.00 16
	A35AE005	KE-B-330KE	330 GALLON, TRAILER MOUNTED		6,871	4.17	0.61	0.83	0.19	0.00 20
		ROSCO								
	A35RS001	KB	110 GALLON, TRAILER MOUNTED		4,449	2.63	0.42	0.57	0.13	0.00 13
	A35RS002	KD	225 GALLON, TRAILER MOUNTED		5,373	3.22	0.50	0.69	0.15	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	74,063	20.06	4.79	5.66	1.96	2.41 130
	A40CA002	PR-105	PROFILER, MAX CUT 14.5"W X 6.0"DEEP	90 HP D	124,778	32.14	8.14	9.65	3.31	2.82 170
	A40CA003	PR-275	PROFILER, MAX CUT 67.0"W X 4.0"DEEP	270 HP D	260,596	70.25	17.18	20.53	6.91	8.46 380
	A40CA004	PR-450	PROFILER, MAX CUT 75.0"W X 10" DEEP	450 HP D	330,853	93.49	21.82	26.07	8.78	14.09 520
	A40CA005	PR-750B	PROFILER, MAX CUT 120.0"W X 10"DEEP	750 HP D	458,345	134.59	30.22	36.12	12.16	23.49 650
	A40CA006	PR-1000	PROFILER, MAX CUT 150.0"W X 10"DEEP	750 HP D	582,829	162.97	38.43	45.93	15.46	23.49 1,031
		INGERSOLL-RAND								
	A40IN001	MW-175	MILLER, 20"W, MAX DEPTH 6.0"	122 HP D	101,273	28.02	6.64	7.89	2.69	3.82 213

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		
A40			ASPHALT & CONCR. MILLERS/PROFILERS							
			INGERSOLL-RAND							
	A40IN002	MW-250	MILLER, 30"W, MAX DEPTH 6.0"	122 HP D	106,146	29.14	6.96	8.28	2.82	3.82
	A40IN003	MW-250C	MILLER, 30"W, MAX DEPTH 6.0", W/CONVY	140 HP D	131,155	35.56	8.61	10.25	3.48	4.38
	A40IN004	MW-6520HC	MILLER, 78"W, MAX DEPTH 6.0", W/CONVY	400 HP D	257,080	74.70	16.91	20.17	6.82	12.53
	A40IN005	MT-6520	MILLER, 78"W, MAX 6"DEPTH, W/CONV, CWL	400 HP D	298,104	84.02	19.66	23.49	7.91	12.53
	A40IN006	MT-7000	MILLER, 78"W, MAX 10"DEPTH, W/CONV, CWL	525 HP D	380,090	107.71	25.06	29.95	10.08	16.44
A45			ASPHALT RECYCLERS & SEALERS							
			AEROIL PRODUCTS							
	A45AE001	HE-PR-52V	RESURFACER-PATCHER, 600,000 BTU INFRA-RED HEATER, TRAILER MOUNTED		7,847	3.56	0.59	0.76	0.21	0.00
	A45AE002	HE-PR-96V	RESURFACER-PATCHER, 1,200,000 BTU INFRA-RED HEATER, TRAILER MOUNTED		14,000	6.18	1.06	1.36	0.38	0.00
	A45AE003	HE-PR-120V	RESURFACER-PATCHER, 1,420,000 BTU INFRA-RED HEATER, TRAILER MOUNTED		16,500	7.34	1.26	1.61	0.45	0.00
			SEALMASTER							
	A45SE001	50	SEALCOATER, 50" WIDE, 238 GALLON STANDARD SPRAY	18 HP G	10,101	5.53	0.76	0.98	0.27	1.40
	A45SE002	12A	SEALCOATER, 50" WIDE, 200 GALLON DUAL SPRAY, SQUEEGEE	20 HP G	13,756	6.94	1.04	1.34	0.37	1.55
	A45SE003	72	SEALCOATER, 72" WIDE, 300 GALLON DUAL SPRAY, SQUEEGEE	30 HP G	19,835	10.34	1.48	1.88	0.54	2.33
	A45SE004	TR-1000	TANK TRAILER, 1000 GALLON CAPACITY		15,705	4.62	1.16	1.45	0.43	0.00
B15			BROOMS, STREET SWEEPERS & FLUSHERS							
			ALLMAND BROS.							
	B15AB001	MODEL 6600	MAXI-SWEEP, 7.5'MAX WIDTH, SELF-PROP	76 HP D	32,293	11.15	2.43	3.10	0.88	2.38
										65

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL RATES		HOURLY (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC				
B15			BROOMS, STREET SWEEPERS & FLUSHERS									
			INGRAM									
	B15IG001	POWERBROOM	POWER BROOM, 8', SELF-PROPELLED	76 HP D	25,050	9.34	1.85	2.34	0.68	2.38	40	
			M-B									
	B15MB001	MT	SWEeper, HYDR LIFT, 7 FT, ADD TRACTOR PTO DRIVE W/SPRINKLER		3,890	1.08	0.30	0.38	0.11	0.00	10	
	B15MB002	HT	SWEeper, HYDR LIFT, 7 FT, ADD TRACTOR HYDRAULIC DRIVE W/SPRINKLER		6,582	1.79	0.51	0.65	0.18	0.00	14	
	B15MB003	53T	SWEeper, HYDR LIFT, 7 FT, TOWED MECH DRIVE W/SPRINKLER		7,144	2.02	0.53	0.67	0.19	0.00	18	
	B15MB004	53MH	SWEeper, HYDR LIFT, 7 FT, TOWED MOTOR DRIVEN W/SPRINKLER	18 HP G	8,139	3.78	0.61	0.77	0.22	1.40	17	
			ROSCO									
	B15RS001	RB-38	STREET SWEeper, 8' BRUSH, SELF-PROP.	76 HP D	24,865	9.29	1.88	2.39	0.68	2.38	55	
	B15RS002	MTA-H	STREET FLUSHER, 1,600 GAL, TRK MTD (ADD 18,000 TO 24,000 GVW TRUCK)		22,224	6.07	1.70	2.18	0.61	0.00	46	
	B15RS003	MTA-H	STREET FLUSHER, 2,500 GAL, TRK MTD (ADD 24,000 TO 32,000 GVW TRUCK)		24,312	6.68	1.85	2.38	0.66	0.00	54	
	B15RS004	MTA-H	STREET FLUSHER, 3500 GAL, TRK MTD (ADD 42,000 GVW TRUCK)		25,759	7.14	1.96	2.52	0.70	0.00	60	
B20			BRUSH CHIPPERS									
			CHIPMORE									
	B20CI001	TM-30	SMALL CHIPPER, TRLR-MTD	18 HP G	4,933	3.15	0.37	0.47	0.13	1.40	9	
	B20CI002	TM-32	6" CAPACITY, TRAILER-MTD	30 HP G	9,627	5.63	0.73	0.93	0.26	2.33	21	
	B20CI003	TM-120-G-6	12" CAPACITY, TRAILER-MTD	60 HP G	12,037	9.34	0.91	1.16	0.33	4.66	36	
	B20CI004	TM-120-D2	12" CAPACITY, TRAILER-MTD	76 HP D	13,703	6.68	1.03	1.32	0.37	2.38	42	
	B20CI005	TM-80-GI	6" CAPACITY, TRAILER-MTD	37 HP G	9,232	6.25	0.70	0.89	0.25	2.88	37	
	B20CI006	TM-160-D4	16" CAPACITY, TRAILER-MTD	76 HP D	14,031	6.77	1.06	1.36	0.38	2.38	44	
	B20CI007	TM-400-D4	16" CAPACITY, TWIN-FEED, TRLR-MTD	76 HP D	14,543	6.92	1.10	1.40	0.40	2.38	44	

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		
B20			BRUSH CHIPPERS							
			VERMEER							
	B20VE001	1600A	6" DIAMETER LOG CAPACITY, TRLR MTD	99 HP G	14,360	13.96	1.09	1.39	0.39	7.69
	B20VE002	1250	12" DIAMETER LOG CAPACITY, TRLR MTD	96 HP G	19,707	15.09	1.49	1.90	0.54	7.46
B25			BUCKETS, CLAMSHELL							
			ESCO							
	B25ES001	GPS-5R26	.625 CY, GEN. PURPOSE/SQUARE NOSE		12,145	2.41	0.82	1.01	0.31	0.00
	B25ES002	GPS-6R32	.750 CY, GEN. PURPOSE/SQUARE NOSE		12,955	2.57	0.87	1.08	0.33	0.00
	B25ES003	GPS-7R34	.875 CY, GEN. PURPOSE/SQUARE NOSE		14,213	2.83	0.97	1.19	0.37	0.00
	B25ES004	GPS-9R38	1.125 CY, GEN. PURPOSE/SQUARE NOSE		15,262	3.03	1.03	1.27	0.39	0.00
	B25ES005	GPS-12R41	1.500 CY, GEN. PURPOSE/SQUARE NOSE		16,365	3.25	1.10	1.36	0.42	0.00
	B25ES006	GPS-14R43	1.750 CY, GEN. PURPOSE/SQUARE NOSE		21,900	4.35	1.48	1.83	0.56	0.00
	B25ES007	GPS-17R46	2.125 CY, GEN. PURPOSE/SQUARE NOSE		24,083	4.79	1.63	2.01	0.62	0.00
	B25ES008	GPS-19R48	2.375 CY, GEN. PURPOSE/SQUARE NOSE		25,409	5.05	1.71	2.12	0.65	0.00
	B25ES009	GPS-24R51	3.000 CY, GEN. PURPOSE/SQUARE NOSE		33,104	6.58	2.23	2.76	0.85	0.00
	B25ES010	GPS-28R56	3.500 CY, GEN. PURPOSE/SQUARE NOSE		35,061	6.96	2.36	2.92	0.90	0.00
	B25ES011	GPS-32R60	4.000 CY, GEN. PURPOSE/SQUARE NOSE		37,923	7.54	2.56	3.16	0.98	0.00
	B25ES012	GPS-38R60	4.750 CY, GEN. PURPOSE/SQUARE NOSE		41,750	8.30	2.82	3.48	1.08	0.00
	B25ES013	GPS-40R60	5.000 CY, GEN. PURPOSE/SQUARE NOSE		45,175	8.98	3.05	3.77	1.16	0.00
	B25ES014	GPS-50R67	6.250 CY, GEN. PURPOSE/SQUARE NOSE		48,030	9.55	3.25	4.01	1.24	0.00
	B25ES015	GPS-54R67	6.750 CY, GEN. PURPOSE/SQUARE NOSE		52,870	10.51	3.57	4.41	1.36	0.00
	B25ES016	GPS-58R67	7.250 CY, GEN. PURPOSE/SQUARE NOSE		54,937	10.92	3.71	4.58	1.42	0.00
	B25ES017	GPS-62R72	7.750 CY, GEN. PURPOSE/SQUARE NOSE		57,865	11.50	3.91	4.83	1.49	0.00
	B25ES018	GPS-64R72	8.000 CY, GEN. PURPOSE/SQUARE NOSE		60,693	12.06	4.09	5.06	1.56	0.00
	B25ES019	GPS-70R72	8.750 CY, GEN. PURPOSE/SQUARE NOSE		62,971	12.51	4.25	5.25	1.62	0.00
	B25ES020	HDS-5R26	.625 CY, HEAVY DUTY/SQUARE NOSE		12,535	2.49	0.85	1.05	0.32	0.00
	B25ES021	HDS-6R32	.750 CY, HEAVY DUTY/SQUARE NOSE		13,396	2.67	0.91	1.12	0.35	0.00
	B25ES022	HDS-7R34	.875 CY, HEAVY DUTY/SQUARE NOSE		18,380	3.65	1.24	1.53	0.47	0.00
	B25ES023	HDS-9R38	1.125 CY, HEAVY DUTY/SQUARE NOSE		18,595	3.70	1.26	1.55	0.48	0.00
	B25ES024	HDS-12R41	1.500 CY, HEAVY DUTY/SQUARE NOSE		19,706	3.92	1.33	1.64	0.51	0.00
	B25ES025	HDS-14R43	1.750 CY, HEAVY DUTY/SQUARE NOSE		26,918	5.34	1.81	2.24	0.69	0.00
	B25ES026	HDS-17R46	2.125 CY, HEAVY DUTY/SQUARE NOSE		28,060	5.57	1.89	2.34	0.72	0.00
	B25ES027	HDS-19R48	2.375 CY, HEAVY DUTY/SQUARE NOSE		29,054	5.77	1.96	2.42	0.75	0.00

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL	HOURLY	ADJUSTABLE ELEMENTS		FUEL	CWT
					AVERAGE	RATES (\$/HR)	OWNERSHIP	DEPR		
B25	BUCKETS, CLAMSHELL									
	*****	*****	*****							
	ESCO									
	B25ES028	HDS-24R51	3.000 CY, HEAVY DUTY/SQUARE NOSE	36,927	7.34	2.49	3.08	0.95	0.00	104
	B25ES029	HDS-28R56	3.500 CY, HEAVY DUTY/SQUARE NOSE	40,396	8.03	2.73	3.37	1.04	0.00	115
	B25ES030	HDS-32R60	4.000 CY, HEAVY DUTY/SQUARE NOSE	46,540	9.25	3.14	3.88	1.20	0.00	126
	B25ES031	HDS-38R60	4.750 CY, HEAVY DUTY/SQUARE NOSE	49,492	9.84	3.35	4.13	1.28	0.00	137
	B25ES032	HDS-40R60	5.000 CY, HEAVY DUTY/SQUARE NOSE	53,163	10.56	3.59	4.43	1.37	0.00	147
	B25ES033	HDS-50R67	6.250 CY, HEAVY DUTY/SQUARE NOSE	58,220	11.58	3.93	4.86	1.50	0.00	163
	B25ES034	HDS-54R67	6.750 CY, HEAVY DUTY/SQUARE NOSE	61,396	12.20	4.14	5.12	1.58	0.00	172
	B25ES035	HDS-58R67	7.250 CY, HEAVY DUTY/SQUARE NOSE	64,414	12.80	4.35	5.37	1.66	0.00	182
	B25ES036	HDS-62R72	7.750 CY, HEAVY DUTY/SQUARE NOSE	67,816	13.49	4.58	5.66	1.75	0.00	193
	B25ES037	HDS-64R72	8.000 CY, HEAVY DUTY/SQUARE NOSE	70,677	14.04	4.77	5.89	1.82	0.00	201
	B25ES038	HDS-70R72	8.750 CY, HEAVY DUTY/SQUARE NOSE	73,482	14.60	4.96	6.13	1.89	0.00	209
	B25ES039	XDS-5R30	.625 CY, XTRA-HVY DUTY/SQUARE NOSE	15,081	3.00	1.02	1.26	0.39	0.00	36
	B25ES040	XDS-7R34	.875 CY, XTRA-HVY DUTY/SQUARE NOSE	20,802	4.13	1.41	1.73	0.54	0.00	52
	B25ES041	XDS-10R38	1.250 CY, XTRA-HVY DUTY/SQUARE NOSE	21,624	4.30	1.46	1.80	0.56	0.00	58
	B25ES042	XDS-12R41	1.500 CY, XTRA-HVY DUTY/SQUARE NOSE	23,312	4.63	1.57	1.94	0.60	0.00	63
	B25ES043	XDS-14R43	1.750 CY, XTRA-HVY DUTY/SQUARE NOSE	30,612	6.08	2.07	2.55	0.79	0.00	85
	B25ES044	XDS-17R46	2.125 CY, XTRA-HVY DUTY/SQUARE NOSE	33,140	6.58	2.23	2.76	0.85	0.00	92
	B25ES045	XDS-19R48	2.375 CY, XTRA-HVY DUTY/SQUARE NOSE	37,295	7.41	2.52	3.11	0.96	0.00	103
	B25ES046	XDS-24R51	3.000 CY, XTRA-HVY DUTY/SQUARE NOSE	41,819	8.32	2.83	3.49	1.08	0.00	121
	B25ES047	XDS-30R56	3.750 CY, XTRA-HVY DUTY/SQUARE NOSE	46,602	9.27	3.15	3.89	1.20	0.00	135
	B25ES048	XDS-32R60	4.000 CY, XTRA-HVY DUTY/SQUARE NOSE	51,352	10.20	3.46	4.28	1.32	0.00	149
	B25ES049	XDS-38R60	4.750 CY, XTRA-HVY DUTY/SQUARE NOSE	54,412	10.82	3.67	4.54	1.40	0.00	158
	B25ES050	XDS-40R60	5.000 CY, XTRA-HVY DUTY/SQUARE NOSE	56,576	11.25	3.82	4.72	1.46	0.00	168
	B25ES051	XDS-50R67	6.250 CY, XTRA-HVY DUTY/SQUARE NOSE	61,143	12.16	4.13	5.10	1.58	0.00	181
	B25ES052	XDS-54R67	6.750 CY, XTRA-HVY DUTY/SQUARE NOSE	64,766	12.87	4.37	5.40	1.67	0.00	193
	B25ES053	XDS-58R67	7.250 CY, XTRA-HVY DUTY/SQUARE NOSE	68,090	13.54	4.60	5.68	1.76	0.00	203
	B25ES054	XDS-62R72	7.750 CY, XTRA-HVY DUTY/SQUARE NOSE	72,404	14.40	4.89	6.04	1.87	0.00	220
	B25ES055	XDS-64R72	8.000 CY, XTRA-HVY DUTY/SQUARE NOSE	74,987	14.90	5.06	6.25	1.93	0.00	223
	B25ES056	XDS-70R72	8.750 CY, XTRA-HVY DUTY/SQUARE NOSE	78,188	15.55	5.28	6.52	2.02	0.00	241
B30	BUCKETS, CONCRETE									
	*****	*****	*****							
	.10	GENERAL PURPOSE, MANUAL								
	-----	-----	-----							
	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		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
B30			BUCKETS, CONCRETE							
	.10		GENERAL PURPOSE, MANUAL							
			GAR-BRO							
	B30GB001	433-G	1.000 CY BUCKET	1,885	0.37	0.13	0.15	0.05	0.00	6
	B30GB002	442-G	1.500 CY BUCKET	2,532	0.50	0.17	0.20	0.07	0.00	8
	B30GB003	462-G	2.000 CY BUCKET	3,065	0.59	0.20	0.24	0.08	0.00	11
	B30GB004	493-G	3.000 CY BUCKET	4,341	0.85	0.29	0.34	0.12	0.00	19
	B30GB005	4123-G	4.000 CY BUCKET	5,413	1.05	0.35	0.42	0.14	0.00	23
	.20		LAYDOWN							
			GAR-BRO							
	B30GB006	425-A	1.000 CY BUCKET, HVY DUTY, AIR GATE	8,984	1.80	0.59	0.70	0.24	0.00	26
	B30GB007	465-A	2.000 CY BUCKET, HVY DUTY, AIR GATE	10,202	2.04	0.67	0.79	0.27	0.00	31
	B30GB008	495-A	3.000 CY BUCKET, HVY DUTY, AIR GATE	11,688	2.34	0.77	0.91	0.31	0.00	40
	B30GB009	4125-A	4.000 CY BUCKET, HVY DUTY, AIR GATE	13,075	2.63	0.86	1.02	0.35	0.00	51
	B30GB010	4155-A	5.000 CY BUCKET, HVY DUTY, AIR GATE	15,527	3.11	1.02	1.21	0.41	0.00	73
	.30		LOWBOY							
			CAMLEVER							
	B30CR001	LB-375	.375 CY BUCKET, AIR OPERATED GATE	2,981	0.62	0.20	0.23	0.08	0.00	2
	B30CR002	LB-050	.500 CY BUCKET, AIR OPERATED GATE	3,109	0.64	0.20	0.24	0.08	0.00	2
	B30CR003	LB-075	.750 CY BUCKET, AIR OPERATED GATE	3,468	0.72	0.23	0.27	0.09	0.00	3
	B30CR004	LB-100	1.000 CY BUCKET, AIR OPERATED GATE	3,603	0.75	0.24	0.28	0.10	0.00	5
	B30CR005	LB-150	1.500 CY BUCKET, AIR OPERATED GATE	4,260	0.88	0.28	0.33	0.11	0.00	6
	B30CR006	LB-200	2.000 CY BUCKET, AIR OPERATED GATE	5,027	1.04	0.33	0.39	0.13	0.00	8
	B30CR007	LB-300	3.000 CY BUCKET, AIR OPERATED GATE	6,321	1.31	0.42	0.49	0.17	0.00	12
	B30CR008	LB-400	4.000 CY BUCKET, AIR OPERATED GATE	7,349	1.52	0.49	0.57	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		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
B30			BUCKETS, CONCRETE							

	.40		LOW SLUMP							
			GAR-BRO							
	B30GB011	440-A	1.000 CY BUCKET, AIR OPERATED GATE	7,919	1.64	0.52	0.62	0.21	0.00	19
	B30GB012	450-A	1.500 CY BUCKET, AIR OPERATED GATE	8,217	1.70	0.54	0.64	0.22	0.00	21
	B30GB013	460-A	2.000 CY BUCKET, AIR OPERATED GATE	8,526	1.76	0.56	0.66	0.23	0.00	23
	B30GB014	493-A	3.000 CY BUCKET, AIR OPERATED GATE	11,408	2.36	0.75	0.89	0.30	0.00	49
	B30GB015	4139-A	4.000 CY BUCKET, AIR OPERATED GATE	11,804	2.44	0.77	0.92	0.31	0.00	52
	B30GB016	4200-A	6.000 CY BUCKET, AIR OPERATED GATE	17,126	3.55	1.13	1.33	0.46	0.00	78
	B30GB017	4250-A	8.000 CY BUCKET, AIR OPERATED GATE	20,490	4.25	1.35	1.60	0.55	0.00	90
B35			BUCKETS, DRAGLINE							

	.10		LIGHT WEIGHT							
			HENDRIX							
	B35HE001	LS	.75 CY BUCKET, LIGHT WT/PERFORATED	4,324	1.04	0.34	0.45	0.11	0.00	15
	B35HE002	LS	1.0 CY BUCKET, LIGHT WT/PERFORATED	5,135	1.26	0.41	0.54	0.14	0.00	18
	B35HE003	LS	1.5 CY BUCKET, LIGHT WT/PERFORATED	6,305	1.54	0.50	0.66	0.17	0.00	26
	B35HE004	LS	2.0 CY BUCKET, LIGHT WT/PERFORATED	7,455	1.81	0.59	0.78	0.20	0.00	32
	B35HE005	LS	2.5 CY BUCKET, LIGHT WT/PERFORATED	8,753	2.12	0.69	0.91	0.23	0.00	37
	B35HE006	LS	3.0 CY BUCKET, LIGHT WT/PERFORATED	10,794	2.63	0.86	1.13	0.29	0.00	46
	B35HE007	LS	3.5 CY BUCKET, LIGHT WT/PERFORATED	11,930	2.90	0.94	1.24	0.32	0.00	50
	B35HE008	LS	4.0 CY BUCKET, LIGHT WT/PERFORATED	14,573	3.54	1.15	1.52	0.39	0.00	65
	B35HE009	LS	4.5 CY BUCKET, LIGHT WT/PERFORATED	15,147	3.68	1.19	1.58	0.40	0.00	69
	B35HE010	LS	5.0 CY BUCKET, LIGHT WT/PERFORATED	18,692	4.54	1.48	1.95	0.50	0.00	85
	B35HE011	LS	6.0 CY BUCKET, LIGHT WT/PERFORATED	20,237	4.92	1.60	2.11	0.54	0.00	90
	B35HE012	LS	7.0 CY BUCKET, LIGHT WT/PERFORATED	21,567	5.24	1.70	2.25	0.57	0.00	101
	B35HE013	LS	8.0 CY BUCKET, LIGHT WT/PERFORATED	24,557	5.96	1.93	2.56	0.65	0.00	112
	B35HE014	LS	9.0 CY BUCKET, LIGHT WT/PERFORATED	28,347	6.88	2.23	2.96	0.75	0.00	128
	B35HE015	LS	10.0 CY BUCKET, LIGHT WT/PERFORATED	30,810	7.48	2.43	3.21	0.82	0.00	139
	B35HE016	LS	12.0 CY BUCKET, LIGHT WT/PERFORATED	37,832	9.18	2.97	3.94	1.00	0.00	166
	B35HE017	LS	14.0 CY BUCKET, LIGHT WT/PERFORATED	43,496	10.55	3.42	4.53	1.15	0.00	191
			SAUERMAN							
	B35SA001	SC-1050-K	1.0 CY BUCKET, L WT, CRECENT SCRAPER	10,762	2.62	0.85	1.12	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	12,920	3.14	1.02	1.35	0.34	0.00	20
	B35SA003	SC-1070-K	2.0 CY BUCKET, L WT, CRECENT SCRAPER	16,112	3.91	1.27	1.68	0.43	0.00	25
	B35SA004	SC-1090-K	3.0 CY BUCKET, L WT, CRECENT SCRAPER	23,892	5.80	1.88	2.49	0.63	0.00	36
	B35SA005	SC-1100-K	4.0 CY BUCKET, L WT, CRECENT SCRAPER	28,990	7.04	2.28	3.02	0.77	0.00	49
	B35SA006	SC-1110-K	5.0 CY BUCKET, L WT, CRECENT SCRAPER	34,698	8.43	2.73	3.62	0.92	0.00	58
	B35SA007	SC-1120-K	6.0 CY BUCKET, L WT, CRECENT SCRAPER	38,074	9.24	3.00	3.97	1.01	0.00	68
	B35SA008	SC-1130-K	8.0 CY BUCKET, L WT, CRECENT SCRAPER	46,048	11.18	3.62	4.80	1.22	0.00	88
	B35SA009	SC-1140-K	10.0 CY BUCKET, L WT, CRECENT SCRAPER	54,550	13.24	4.29	5.69	1.44	0.00	106
	B35SA010	SC-1150-K	12.0 CY BUCKET, L WT, CRECENT SCRAPER	67,238	16.32	5.29	7.01	1.78	0.00	132
	.20	MEDIUM WEIGHT								
			HENDRIX							
	B35HE018	TS	.75 CY BUCKET, MEDIUM WEIGHT	4,731	1.03	0.34	0.44	0.12	0.00	17
	B35HE019	TS	1.0 CY BUCKET, MEDIUM WEIGHT	5,799	1.27	0.42	0.54	0.15	0.00	19
	B35HE020	TS	1.5 CY BUCKET, MEDIUM WEIGHT	7,190	1.58	0.53	0.67	0.19	0.00	28
	B35HE021	TS	2.0 CY BUCKET, MEDIUM WEIGHT	8,595	1.88	0.62	0.80	0.22	0.00	36
	B35HE022	TS	2.5 CY BUCKET, MEDIUM WEIGHT	9,904	2.17	0.72	0.92	0.26	0.00	41
	B35HE023	TS	3.0 CY BUCKET, MEDIUM WEIGHT	11,836	2.59	0.86	1.10	0.31	0.00	49
	B35HE024	TS	3.5 CY BUCKET, MEDIUM WEIGHT	13,075	2.85	0.95	1.21	0.34	0.00	54
	B35HE025	TS	4.0 CY BUCKET, MEDIUM WEIGHT	15,742	3.44	1.14	1.46	0.41	0.00	70
	B35HE026	TS	4.5 CY BUCKET, MEDIUM WEIGHT	16,809	3.67	1.22	1.56	0.44	0.00	72
	B35HE027	TS	5.0 CY BUCKET, MEDIUM WEIGHT	21,553	4.71	1.56	2.00	0.56	0.00	93
	B35HE028	TS	6.0 CY BUCKET, MEDIUM WEIGHT	22,267	4.86	1.61	2.06	0.58	0.00	96
	B35HE029	TS	7.0 CY BUCKET, MEDIUM WEIGHT	25,432	5.55	1.84	2.36	0.66	0.00	111
	B35HE030	TS	8.0 CY BUCKET, MEDIUM WEIGHT	27,998	6.11	2.03	2.59	0.73	0.00	122
	B35HE031	TS	9.0 CY BUCKET, MEDIUM WEIGHT	33,542	7.33	2.44	3.11	0.88	0.00	149
	B35HE032	TS	10.0 CY BUCKET, MEDIUM WEIGHT	35,724	7.80	2.59	3.31	0.93	0.00	159
	B35HE033	TS	12.0 CY BUCKET, MEDIUM WEIGHT	45,525	9.94	3.30	4.22	1.19	0.00	202
	B35HE034	TS	14.0 CY BUCKET, MEDIUM WEIGHT	52,830	11.54	3.83	4.90	1.38	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	18,905	3.76	1.28	1.58	0.49	0.00	69
	B35HE036	MH-S	3.0 CY BUCKET, HEAVY WEIGHT	19,662	3.91	1.33	1.64	0.51	0.00	72
	B35HE037	MH-S	3.5 CY BUCKET, HEAVY WEIGHT	22,021	4.38	1.49	1.84	0.57	0.00	81
	B35HE038	MH-S	4.0 CY BUCKET, HEAVY WEIGHT	29,465	5.86	1.99	2.46	0.76	0.00	110
	B35HE039	MH-S	4.5 CY BUCKET, HEAVY WEIGHT	32,943	6.55	2.23	2.75	0.85	0.00	123
	B35HE040	MH-S	5.0 CY BUCKET, HEAVY WEIGHT	34,018	6.77	2.30	2.84	0.88	0.00	127
	B35HE041	MH-S	6.0 CY BUCKET, HEAVY WEIGHT	36,430	7.24	2.46	3.04	0.94	0.00	136
	B35HE042	MH-S	7.0 CY BUCKET, HEAVY WEIGHT	48,480	9.63	3.27	4.04	1.25	0.00	175
	B35HE043	MH-S	8.0 CY BUCKET, HEAVY WEIGHT	47,651	9.47	3.22	3.97	1.23	0.00	180
	B35HE044	MH-S	9.0 CY BUCKET, HEAVY WEIGHT	60,646	12.05	4.09	5.06	1.56	0.00	234
	B35HE045	MH-S	10.0 CY BUCKET, HEAVY WEIGHT	62,473	12.42	4.22	5.21	1.61	0.00	243
	B35HE046	MH-S	12.0 CY BUCKET, HEAVY WEIGHT	74,300	14.78	5.02	6.20	1.92	0.00	289
	B35HE047	MH-S	14.0 CY BUCKET, HEAVY WEIGHT	78,590	15.62	5.31	6.55	2.03	0.00	309
C05			CHAIN SAWS							
	C05BO001	XL925	CHAINSAW - 31" BAR	3 HP G	718	1.65	0.10	0.15	0.02	0.32
C10			COMPACTORS, MANUALLY OPERATED							
			BONAG							
	C10BO001	BT 58	VIBRATORY TAMPER, 9" RAMMER	3 HP G	2,460	1.60	0.27	0.39	0.07	0.32
	C10BO002	BT 68	VIBRATORY TAMPER, 11" RAMMER	3 HP G	2,942	1.83	0.32	0.46	0.09	0.32
	C10BO003	BP 10/36	VIBRATORY PLATE, WITH 14.2" PLATE	4 HP G	1,409	1.21	0.15	0.22	0.04	0.43
	C10BO004	BP 15/45	VIBRATORY PLATE, WITH 17.7" PLATE	4 HP G	1,779	1.39	0.19	0.28	0.05	0.43
	C10BO005	BP 20/48D	VIBRATORY PLATE, WITH 18.9" PLATE	4 HP D	3,938	2.13	0.43	0.62	0.12	0.17
	C10BO006	BPR 30/38	VIB REVERSIBLE PLATE, W/15" PLATE	5 HP G	5,600	3.39	0.60	0.88	0.16	0.54
	C10BO007	BPR 30/38D	VIB REVERSIBLE PLATE, W/15" PLATE	5 HP D	6,706	3.53	0.73	1.05	0.20	0.22
	C10BO008	BPR 50/55D	VIB REVERSIBLE PLATE, W/31.5" PLATE	7 HP D	10,102	5.28	1.09	1.58	0.30	9

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					
C10	COMPACTORS, MANUALLY OPERATED												

	BOMAG												
	C10BO009	BW 55E	SINGLE DRUM, 22.1" WIDE, WALK-BEHIND	5 HP D	9,299	4.79	1.00	1.46	0.27	0.22			
	C10BO010	BW 35	DOUBLE DRUM, 15.4" WIDE, WALK-BEHIND	4 HP D	11,973	6.04	1.29	1.88	0.35	0.17			
	C10BO011	BW 60S	DOUBLE DRUM, 23.6" WIDE	8 HP D	14,943	7.70	1.61	2.34	0.44	0.35			
	C10BO012	BW 90S	DOUBLE DRUM, 35.5" WIDE	13 HP D	18,836	9.87	2.03	2.95	0.55	0.57			
	HOMELITE												
	C10HO001	HR65	RAMMER, 11" X 13" PLATE	4 HP G	2,373	1.68	0.26	0.37	0.07	0.43			
	C10HO002	HR80	RAMMER, 12" X 13" PLATE	4 HP G	2,665	1.83	0.29	0.42	0.08	0.43			
	C10HO003	HCP120	VIBRO PLATE, 23" X 22" PLATE	5 HP G	2,390	1.83	0.26	0.37	0.07	0.54			
	WACKER												
	C10WC001	BS 45Y	RAMMER, VIBRATORY, 10" X 13" SHOE	4 HP G	2,127	1.56	0.23	0.33	0.06	0.43			
	C10WC002	GVR 151Y	RAMMER, VIBRATORY, 11" X 13" SHOE	4 HP G	2,771	1.87	0.30	0.43	0.08	0.43			
	C10WC003	BS 65Y	RAMMER, VIBRATORY, 13" X 11" SHOE	4 HP G	3,641	2.30	0.40	0.57	0.11	0.43			
	C10WC004	BS 105Y	RAMMER, VIBRATORY, 16" X 15" SHOE	4 HP G	4,319	2.64	0.47	0.68	0.13	0.43			
	C10WC005	VPG 160B	VIBRO PLATE, 21" X 24" BASE PLATE	4 HP G	1,592	1.31	0.18	0.25	0.05	0.43			
	C10WC006	BPS 2550 K	VIBRO PLATE, 19.5" X 25.5"BASE PLATE	7 HP G	2,789	2.30	0.30	0.44	0.08	0.76			
	C10WC007	BPU 3345R	VIBRO PLATE, 23.5" X 35.5"BASE PLATE	7 HP G	7,781	4.73	0.84	1.22	0.23	0.76			
	C10WC008	DPU 3345H	VIBRO PLATE, 23.5" X 35.5"BASE PLATE	6 HP D	12,062	6.18	1.30	1.89	0.35	0.26			
	C10WC009	DPU 6760	VIBRO PLATE, 31.5" X 42" BASE PLATE	14 HP D	22,973	11.93	2.47	3.60	0.67	0.61			
	C10WC010	RSS 800A	28.3" WIDE X 22" DIA. VIB ROLLER SINGLE DRUM, WALK-BEHIND	11 HP G	9,921	6.30	1.07	1.56	0.29	1.19			
	C10WC011	W 55 T	29.5" WIDE X 17.3 DIA. VIB ROLLER DOUBLE DRUM, WALK-BEHIND	8 HP D	14,270	7.38	1.54	2.24	0.42	0.35			
	C10WC012	W 74 T	29.5" WIDE X 17.3 DIA. VIB ROLLER DOUBLE DRUM, WALK-BEHIND	8 HP D	16,252	8.33	1.75	2.55	0.47	0.35			
	C10WC013	WDH 86-110(PAD)	34" WIDE X 20.5 DIA. VIB ROLLER HYDRAULIC, DOUBLE DRUM, WALK-BEHIND	12 HP D	32,677	16.54	3.51	5.12	0.95	0.52			
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 OWNERSHIP ELEMENTS		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
C15			CONCRETE BLASTERS							

			BLASTRAC							
	C15BL001	1-8D & SHOP VAC	8" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECTOR (ADD 4KVA GEN)	7,044	2.94	0.66	0.92	0.20	0.00	2
	C15BL002	1-8DP & 100-DC	8" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECTOR (ADD 5KVA GEN)	13,596	5.42	1.28	1.78	0.39	0.00	4
	C15BL003	1-10D & 654-DC	10" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECT (ADD 30 KVA GEN)	27,531	11.05	2.58	3.60	0.78	0.00	16
	C15BL004	1-15D & 654-DC	15" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECT (ADD 30 KVA GEN)	38,874	15.23	3.64	5.08	1.10	0.00	17
	C15BL005	1-20D & 854-DC	20" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECT (ADD 75 KVA GEN)	50,126	19.38	4.70	6.55	1.42	0.00	30
C20			CONCRETE BUGGIES							

			AEROIL PRODUCTS							
	C20AE001	BUFFALO 800	WALK-BEHIND W/DUMP HOPPER, 800# CAP	5 HP G	2,398	1.42	0.26	0.38	0.07	0.42
			MULTIQUIP							
	C20MU001	WBH-12	12 CY BUCKET, WALK & RIDE	8 HP G	6,087	3.03	0.62	0.88	0.18	0.67
	C20MU002	WBH-16E	16 CY BUCKET, WALK & RIDE	11 HP G	7,505	3.87	0.77	1.10	0.22	0.92
C25			CONCRETE FINISHERS							

			STOW							
	C25ST001	36-H-804	ROTO-TROWEL - 36", 4-BLADED	8 HP G	1,701	1.54	0.19	0.27	0.05	0.67
	C25ST002	46-H-804	ROTO-TROWEL - 46", 4-BLADED	8 HP G	1,839	1.59	0.20	0.29	0.05	0.67
			WACKER							
	C25WC001	CT36A	POWER TROWEL, 36" DIAMETER	5 HP G	1,597	1.17	0.18	0.25	0.05	0.42

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	CPC		
C25			CONCRETE FINISHERS							
			WACKER							
	C25WC002	CT48A	POWER TROWEL, 48" DIAMETER	8 HP G	2,132	1.70	0.23	0.33	0.06	0.67
C35			CONCRETE GUNTERS/SHOTCRETTERS							
			ALLENTOWN							
	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	16,659	6.52	1.42	1.93	0.45	1.09
	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	19,938	8.44	1.67	2.26	0.54	1.81
	C35AL003	GR-600	ROTARY GUN 1-6 CY/HR INCL. 1-1/2" HOSE, (ADD COMPRESSOR)	550 CFM A	10,192	3.28	0.85	1.16	0.27	0.00
	C35AL004	GR-1200	ROTARY GUN 4-12 CY/HR INCL. 1-1/2" HOSE, (ADD COMPRESSOR)	770 CFM A	20,967	6.74	1.80	2.48	0.56	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	22,573	7.77	1.95	2.67	0.61	0.66
	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	25,317	8.61	2.18	3.00	0.68	0.66
	C35AL007	N-1	PNEUMATIC GUN, 4 CY/HR (ADD 1-1/4" HOSE & COMPRESSOR)	450 CFM A	12,558	4.11	1.09	1.50	0.34	0.00
	C35AL008	N-2	PNEUMATIC GUN, 6-8 CY/HR (ADD 1-1/2" HOSE AND COMPRESSOR)	600 CFM A	13,590	4.49	1.19	1.63	0.37	0.00
	C35AL009	N-3	PNEUMATIC GUN, 8-10 CY/HR (ADD 2" HOSE AND COMPRESSOR)	900 CFM A	14,986	5.00	1.30	1.79	0.40	0.00
	C35AL010	MODEL 30H	SHOTCRETE & CONCRETE PUMP 30 CY/HR, 950 PSI	40 HP D	36,624	13.11	3.17	4.36	0.99	1.46
	C35AL011	MODEL 40	SHOTCRETE & CONCRETE PUMP 40 CY/HR, 950 PSI	67 HP D	41,462	15.87	3.59	4.94	1.12	2.45

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		
C40			CONCRETE MIXERS							
			STOW							
	C40ST001	CM4	4 C.F., PORTABLE	1 HP E	1,568	0.92	0.18	0.25	0.05	0.07
	C40ST002	CM4	4 C.F., PORTABLE	5 HP G	1,697	1.21	0.19	0.27	0.05	0.42
	C40ST003	CM6	6 C.F., PORTABLE	1 HP E	2,419	1.29	0.26	0.38	0.07	0.07
	C40ST004	CM6	6 C.F., PORTABLE	8 HP G	2,723	1.94	0.30	0.43	0.08	0.67
	C40ST005	CM9	9 C.F., PORTABLE	2 HP E	3,065	1.69	0.33	0.48	0.09	0.14
	C40ST006	CM9	9 C.F., PORTABLE	8 HP G	3,154	2.09	0.34	0.49	0.09	0.67
C45			CONCRETE PAVING MACHINES							
			CATERPILLAR							
	C45CA001	SF-175	SLIPFORM PAVER, 4 TRACK CRAWLER CURBS, MEDIANES, AND SIDEWALKS	142 HP D	163,401	43.90	10.77	12.88	4.33	5.19
	C45CA002	SF-250B	26' WIDE SLIPFORM PAVER 0-80 FT/MIN, CRAWLER MTD.	208 HP D	265,882	70.35	17.53	20.95	7.05	7.60
	C45CA003	SF-350 SER II	24' WIDE SLIPFORM PAVER 0-60 FT/MIN, CRAWLER MTD.	250 HP D	452,815	114.95	29.85	35.68	12.01	9.14
	C45CA004	SF - 550	24' WIDE SLIPFORM PAVER 0-60 FT/MIN, CRAWLER MTD.	400 HP D	536,151	140.97	35.35	42.25	14.22	14.62
			GOMACO							
	C45GO001	C-650-F	24' WIDE SLIPFORM PAVER, WITH 4' FINISHING CYLINDERS	45 HP G	35,305	13.42	2.32	2.76	0.94	4.07
	C45GO002	C-650-S	24' WIDE SLIPFORM PAVER, WITH 4' FINISHING CYLINDERS, CRAWLER MTD	45 HP G	61,284	19.35	4.05	4.83	1.63	4.07
	C45GO003	GP-1500	12' WIDE SLIPFORM PAVER 0-51 FT/MIN, CRAWLER MTD	107 HP D	127,326	34.03	8.40	10.03	3.38	3.91
	C45GO004	GP-2000	16' WIDE SLIPFORM PAVER 0-38 FT/MIN, CRAWLER MTD	185 HP D	172,815	48.05	11.39	13.62	4.58	6.76
	C45GO005	GP-2500	25' WIDE SLIPFORM PAVER 0-39 FT/MIN, CRAWLER MTD	265 HP D	232,977	65.52	15.36	18.36	6.18	9.68
	C45GO006	GP-3500	42' SLIPFORM PAVER, 2 TRACK CRAWLER	234 HP D	369,691	95.24	24.38	29.13	9.81	8.55
	C45GO007	GP-3500	42' SLIPFORM PAVER, 4 TRACK CRAWLER	234 HP D	432,063	109.46	28.49	34.05	11.46	8.55

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									
C45 CONCRETE PAVING MACHINES																	

GOMACO																	
C45G0008 GP-5000 50' SLIPFORM PAVER, 2 TRACK CRAWLER 454 HP D 542,214 144.87 35.75 42.73 14.38 16.59 1,320																	
C45G0009 GP-5000 50' SLIPFORM PAVER, 4 TRACK CRAWLER 454 HP D 616,151 161.72 40.62 48.55 16.34 16.59 1,500																	
C55 CONCRETE PUMPS																	

MORGEN																	
C55M0001 MUSTANG 25 25 CY/HOUR, TRAILER MOUNTED 30 HP G 19,881 10.21 1.56 2.07 0.52 3.41 29																	
C55M0002 MUSTANG 40 40 CY/HOUR, TRAILER MOUNTED 73 HP D 35,650 14.56 2.80 3.72 0.94 3.37 43																	
C55M0003 MUSTANG 50 50 CY/HOUR, TRAILER MOUNTED 110 HP D 42,141 18.60 3.31 4.40 1.11 5.07 48																	
C55M0004 MUSTANG 65 65 CY/HOUR, TRAILER MOUNTED 110 HP D 44,680 19.33 3.51 4.66 1.18 5.07 49																	
C55M0005 80N 80 CY/HOUR, TRAILER MOUNTED 160 HP D 100,711 38.35 7.87 10.42 2.66 7.38 120																	
C55M0006 100N 100 CY/HOUR, TRAILER MOUNTED 210 HP D 112,126 44.58 8.77 11.62 2.96 9.68 125																	
C55M0007 211-900/211-893 72' VERTICAL BOOM, 60 CY/HR WITH 23,100 GVW TRUCK (WITH CARRIER ENGINE) 210 HP D 168,375 60.83 13.18 17.46 4.45 9.68 300																	
C55M0008 211-900/208-850 72' VERTICAL BOOM, 90 CY/HR WITH 23,100 GVW TRUCK (WITH CARRIER ENGINE) 210 HP D 192,047 67.66 14.98 19.82 5.07 9.68 300																	
C55M0009 209-930/208-755 92' VERTICAL BOOM, 115 CY/HR WITH 41,300 GVW TRUCK (WITH CARRIER ENGINE) 270 HP D 244,604 86.33 19.12 25.32 6.46 12.45 350																	
C55M0010 209-930/205-494 92' VERTICAL BOOM, 140 CY/HR WITH 41,300 GVW TRUCK (WITH CARRIER ENGINE) 270 HP D 255,243 89.39 19.96 26.44 6.74 12.45 360																	
C55M0011 204-705/208-755 105' VERTICAL BOOM, 115 CY/HR WITH 41,300 GVW TRUCK (WITH CARRIER ENGINE) 270 HP D 269,091 93.38 21.06 27.89 7.11 12.45 350																	
C55M0012 204-705/205-494 105' VERTICAL BOOM, 140 CY/HR WITH 41,300 GVW TRUCK (WITH CARRIER ENGINE) 270 HP D 279,425 96.35 21.87 28.97 7.38 12.45 360																	
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	CONCRETE PUMPS																

SCHWING AMERICA																	

C55SC001 BPA 750 69 CY/HR, 859 PSI, TRAILER MTD 68 HP D 51,657 18.86 4.06 5.39 1.36 3.14 57																	
C55SC002 BPA 2000-20R 117 CY/HR, 1,565 PSI, TRAILER MTD 177 HP D 117,941 44.31 9.24 12.25 3.11 8.16 115																	
C55SC003 BP 3001-18R 103 CY/HR, 2,098 PSI, TRAILER MTD 213 HP D 167,078 60.56 13.11 17.39 4.41 9.82 140																	
C55SC004 BP 5000-18 137 CY/HR, 2,098 PSI, TRAILER MTD 354 HP D 212,589 82.01 16.72 22.22 5.61 16.32 180																	
C55SC005 BPL 900/KVM 23 75' BOOM, 117 CY/HR, TRUCK MTD 210 HP D 208,209 78.73 16.22 21.44 5.50 14.69 359																	
1,565 PSI, WITH TRUCK																	
C55SC006 BPL 900/KVM 28 92' BOOM, 117 CY/HR, TRUCK MTD 210 HP D 277,446 98.65 21.67 28.68 7.33 14.69 470																	
1,565 PSI, WITH TRUCK																	
C55SC007 BPL 1200/KVM 32 105' BOOM, 171 CY/HR, TRUCK MTD 230 HP D 332,568 116.31 25.94 34.32 8.78 16.09 480																	
1,285 PSI, WITH TRUCK																	
C55SC008 BPL 1200/KVM 36 118' BOOM, 171 CY/HR, TRUCK MTD 230 HP D 414,283 139.82 32.37 42.86 10.94 16.09 620																	
1,285 PSI, WITH TRUCK																	
C55SC009 BPL 1200/KVM 42 138' BOOM, 196 CY/HR, TRUCK MTD 350 HP D 531,649 184.34 41.62 55.16 14.04 24.49 730																	
1,184 PSI, WITH TRUCK																	
C60	CONCRETE SAWS (sawblade wear not included)																

PELKER/DRESSER																	

C60FE001 FC12 4" DEPTH OF CUT, 12" BLADE, HANDHELD 1 HP G 905 0.48 0.09 0.12 0.03 0.11 1																	
C60FE002 FC14 5" DEPTH OF CUT, 14" BLADE, HANDHELD 2 HP G 1,103 0.69 0.10 0.14 0.03 0.22 1																	
C60FE003 11HDCC 4-5/8" DEPTH/CUT, 14" BLADE, COMPACT 11 HP G 2,736 2.58 0.26 0.36 0.08 1.19 3																	
C60FE004 200KMR-A-14 4-5/8" DEPTH/CUT, 14" BLADE, MIDRANGE 20 HP G 5,672 4.93 0.53 0.74 0.16 2.16 6																	
C60FE005 200KMR-A-18 6-5/8" DEPTH/CUT, 18" BLADE, MIDRANGE 20 HP G 5,762 4.96 0.54 0.75 0.16 2.16 6																	
HOMELITE																	

C60HO001 HWS814 5" DEPTH OF CUT, WALK-BEHIND 8 HP G 1,593 1.73 0.16 0.21 0.05 0.86 2																	
C60HO002 HWS1414 5-3/4" DEPTH OF CUT, WALK-BEHIND 14 HP G 2,001 2.73 0.19 0.26 0.06 1.51 3																	
LONGYEAR																	

C60LY001 360-10HM WALL SAW, 1700 PSI 10 HP G 10,869 5.43 1.02 1.42 0.31 1.08 2																	
C60LY002 360-35HM WALL SAW, 2500 PSI 35 HP G 12,057 9.43 1.13 1.58 0.34 3.78 2																	

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	1,326	1.63	0.13	0.17	0.04	0.86	2			
	C60LY004	815WR	5" DEPTH OF CUT, WALK-BEHIND	11 HP G	1,667	2.19	0.16	0.22	0.05	1.19	2			
	C60LY005	815WR	7" DEPTH OF CUT, WALK-BEHIND	11 HP G	1,696	2.19	0.16	0.22	0.05	1.19	2			
	C60LY006	815EB	5" DEPTH OF CUT, WALK-BEHIND	5 HP E	1,838	1.32	0.17	0.24	0.05	0.45	2			
	C60LY007	1800W	5" DEPTH OF CUT, WALK-BEHIND	18 HP G	6,274	4.87	0.59	0.82	0.18	1.94	8			
	C60LY008	3535W	5" DEPTH OF CUT, WALK-BEHIND	35 HP G	7,713	7.83	0.73	1.01	0.22	3.78	9			
	C60LY009	6530-48	21" DEPTH OF CUT, WALK-BEHIND	65 HP G	14,543	14.59	1.36	1.90	0.41	7.01	13			
C65	CONCRETE VIBRATORS													

	MASTER													
	C65MS001	A-25010	2.5" DIA. HEAD (ADD COMPRESSOR)	40 CFM A	920	1.00	0.12	0.18	0.03	0.00	1			
	C65MS002	A-30010	3.0" DIA. HEAD (ADD COMPRESSOR)	64 CFM A	1,172	1.28	0.16	0.23	0.04	0.00	1			
	C65MS003	A-35010	3.5" DIA. HEAD (ADD COMPRESSOR)	82 CFM A	1,299	1.42	0.17	0.25	0.04	0.00	1			
	C65MS004	A-450SH	4.5" DIA. HEAD (ADD COMPRESSOR)	110 CFM A	1,445	1.59	0.18	0.28	0.04	0.00	1			
	C65MS005	A-600SH	6.0" DIA. HEAD (ADD COMPRESSOR)	125 CFM A	2,243	2.43	0.29	0.44	0.07	0.00	1			
	WACKER													
	C65WC001	IRE 57/240/180	HI-FREQ INTERNAL, 2-1/4"HD(ADD GEN)	1 HP E	1,340	1.59	0.17	0.26	0.04	0.07	1			
	C65WC002	IRE 65/240/180	HI-FREQ INTERNAL, 2-1/2"HD(ADD GEN)	2 HP E	1,413	1.77	0.18	0.28	0.04	0.13	1			
C75	CRANES, HYDRAULIC, SELF-PROP.													

	BADGER													
	C75BA001	4445	45 TON, ROUGH TERRAIN, 4WD	197 HP D	280,770	54.97	15.06	16.08	7.02	7.20	770			
	C75BA002	4455	55 TON ROUGH TERRAIN, 4WD	197 HP D	322,450	62.12	17.20	18.27	8.06	7.20	788			
	BRODERSON													

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									
C75	CRANES, HYDRAULIC, SELF-PROP.																

BRODERSON																	
	C75BD001	IC-80-1D	8.5 TON YARD CRANE	64 HP G	60,176	17.25	3.26	3.51	1.50	5.79	144						
	C75BD002	RTR-80-3C	9 TON ROUGH TERRAIN, 4WD	97 HP G	74,138	23.48	4.02	4.33	1.85	8.78	160						
	C75BD003	RTR-200-3A	13.6 TON ROUGH TERRAIN, 4WD	97 HP G	94,911	26.94	5.11	5.47	2.37	8.78	289						
GROVE																	
	C75GV001	RT418	18 TON, ROUGH TERRAIN, 4WD	105 HP D	163,606	31.55	8.78	9.38	4.09	3.84	383						
	C75GV002	RT420	20 TON, ROUGH TERRAIN, 4WD	105 HP D	163,606	31.55	8.78	9.38	4.09	3.84	383						
	C75GV003	RT422	22 TON, ROUGH TERRAIN, 4WD	105 HP D	163,606	31.55	8.78	9.38	4.09	3.84	383						
	C75GV004	RT58B	15 TON, ROUGH TERRAIN, 4WD	125 HP D	163,068	32.21	8.80	9.45	4.07	4.57	441						
	C75GV005	RT58C	18 TON, ROUGH TERRAIN, 4WD	125 HP D	163,068	32.21	8.80	9.45	4.07	4.57	441						
	C75GV006	RT58D	20 TON, ROUGH TERRAIN, 4WD	125 HP D	163,068	32.21	8.80	9.45	4.07	4.57	441						
	C75GV007	RT58E	22 TON, ROUGH TERRAIN, 4WD	125 HP D	172,159	33.66	9.30	9.99	4.30	4.57	441						
	C75GV008	RT522C	22 TON, ROUGH TERRAIN, 4WD	125 HP D	198,943	38.60	10.58	11.22	4.97	4.57	513						
	C75GV009	RT525C	25 TON, ROUGH TERRAIN, 4WD	125 HP D	198,943	38.60	10.58	11.22	4.97	4.57	513						
	C75GV010	RT528C	28 TON, ROUGH TERRAIN, 4WD	125 HP D	198,943	38.60	10.58	11.22	4.97	4.57	513						
	C75GV011	RT630B	30 TON, ROUGH TERRAIN, 4WD	125 HP D	234,272	44.18	12.51	13.32	5.85	4.57	537						
	C75GV012	RT740B	40 TON, ROUGH TERRAIN, 4WD	177 HP D	324,439	60.30	17.40	18.58	8.11	6.47	655						
	C75GV013	RT745	45 TON, ROUGH TERRAIN, 4WD	198 HP D	342,632	64.80	18.45	19.77	8.56	7.23	787						
	C75GV014	RT760	60 TON, ROUGH TERRAIN, 4WD	198 HP D	396,589	74.45	21.11	22.39	9.91	7.23	858						
	C75GV015	RT875	75 TON, ROUGH TERRAIN, 4WD	230 HP D	486,827	90.42	25.99	27.66	12.16	8.40	112						
	C75GV016	RT990	90 TON, ROUGH TERRAIN, 4WD	280 HP D	636,158	116.39	33.25	34.69	15.90	10.23	1,364						
	C75GV017	RT1650	165 TON, ROUGH TERRAIN, 8WD	512 HP D	1,241,392	227.35	66.21	70.37	31.02	18.71	2,344						
LORAIN																	
	C75LO001	LRT150D	15 TON, ROUGH TERRAIN, 4WD	125 HP D	143,013	29.41	7.61	8.07	3.57	4.57	438						
	C75LO002	LRT180D	18 TON, ROUGH TERRAIN, 4WD	125 HP D	161,475	32.33	8.62	9.17	4.03	4.57	450						
	C75LO003	LRT200D	20 TON, ROUGH TERRAIN, 4WD	125 HP D	168,910	33.51	9.03	9.61	4.22	4.57	470						
	C75LO004	LRT230D	23 TON, ROUGH TERRAIN, 4WD	125 HP D	176,159	34.65	9.42	10.04	4.40	4.57	490						
	C75LO005	LRT250D	25 TON, ROUGH TERRAIN, 4WD	125 HP D	187,804	36.49	10.06	10.73	4.69	4.57	510						
	C75LO006	LRT275D	27.5 TON, ROUGH TERRAIN, 4WD	125 HP D	193,597	37.42	10.38	11.08	4.84	4.57	520						
	C75LO007	LRT330	33 TON, ROUGH TERRAIN, 4WD	180 HP D	226,758	45.53	12.13	12.92	5.67	6.58	570						
P & H/HARNISCHFEGER																	

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	CPC									
C75	CRANES, HYDRAULIC, SELF-PROP.																

P & H/HARNISCHFEGER																	
	C75PH001	CN 115	15 TON, ROUGH TERRAIN, 4WD	130 HP D	179,216	35.21	9.64	10.31	4.48	4.75							
	C75PH002	CN 118	18 TON, ROUGH TERRAIN, 4WD	130 HP D	183,862	35.94	9.89	10.59	4.59	4.75							
	C75PH003	CN 120	20 TON, ROUGH TERRAIN, 4WD	130 HP D	194,493	37.63	10.47	11.22	4.86	4.75							
	C75PH004	CN 122	22 TON, ROUGH TERRAIN, 4WD	130 HP D	195,422	37.76	10.52	11.27	4.88	4.75							
	C75PH005	CN 125	25 TON, ROUGH TERRAIN, 4WD	130 HP D	203,038	39.01	10.92	11.70	5.07	4.75							
	C75PH006	CN 30	30 TON, ROUGH TERRAIN, 4WD	155 HP D	240,090	46.19	12.92	13.84	6.00	5.66							
	C75PH007	CN 35	35 TON, ROUGH TERRAIN, 4WD	155 HP D	248,096	47.46	13.36	14.32	6.20	5.66							
	C75PH008	OMEGA 40	40 TON, ROUGH TERRAIN, 4WD	202 HP D	333,801	63.59	17.96	19.24	8.34	7.38							
	C75PH009	OMEGA 45	45 TON, ROUGH TERRAIN, 4WD	202 HP D	345,389	66.14	18.40	19.54	8.63	7.38							
	C75PH010	OMEGA 50	50 TON, ROUGH TERRAIN, 4WD	202 HP D	357,962	68.13	19.09	20.29	8.94	7.38							
	C75PH011	OMEGA 65	65 TON, ROUGH TERRAIN, 4WD	235 HP D	458,288	86.16	24.43	25.96	11.45	8.59							

TADANO																	
	C75TD001	TR-200E	22 TON, ROUGH TERRAIN, 4WD	153 HP D	194,355	38.82	10.43	11.14	4.86	5.59							
	C75TD002	TR-250E	27.5TON, ROUGH TERRAIN, 4WD	153 HP D	215,905	42.23	11.61	12.43	5.39	5.59							
	C75TD003	TR-300E	33 TON, ROUGH TERRAIN, 4WD	190 HP D	255,771	50.34	13.78	14.78	6.39	6.94							
	C75TD004	TR-400E	45 TON, ROUGH TERRAIN, 4WD	190 HP D	395,266	72.75	21.33	22.90	9.88	6.94							
	C75TD005	TR-500E	55 TON, ROUGH TERRAIN, 4WD	190 HP D	440,270	80.97	23.49	24.98	11.00	6.94							

C80	CRANES, HYDRAULIC, TRUCK MTD																
.01	UNDER 26 TON																

GROVE																	
	C80GV001	TMS-522	22 TON, WITH 70' BOOM, 6X4WD	175 HP D	220,330	38.59	11.97	12.91	5.51	5.48							

LINK BELT (FMC)																	
	C80LI001	HTC-814	14 TON, WITH 80' BOOM	200 HP D	244,431	43.07	13.26	14.30	6.11	6.26							
	C80LI002	HTC-825S	25 TON, WITH 80' BOOM	205 HP D	234,863	41.93	12.74	13.74	5.87	6.42							

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	239,319	42.77	12.99	14.01	5.98	6.58
	.02		26 TON THRU 65 TON							
			GROVE							
	C80GV002	TMS-527.5	27.5 TON, WITH 70' BOOM, 6X4WD	175 HP D	226,850	37.49	11.43	11.63	5.61	5.48
	C80GV003	TMS-528B	28 TON, WITH 80' BOOM, 6X4WD	175 HP D	242,180	39.55	12.20	12.42	5.99	5.48
	C80GV004	TMS-250C	35 TON, WITH 80' BOOM, 6X4WD	163 HP D	264,337	42.05	13.32	13.56	6.54	5.11
	C80GV005	TMS-300B	40 TON, WITH 104' BOOM, 8X4WD	205 HP D	322,182	51.61	16.20	16.46	7.97	6.42
	C80GV006	TMS-475	50 TON, WITH 84' BOOM, 8X4WD	205 HP D	371,623	58.20	18.72	19.03	9.20	6.42
	C80GV007	TMS-760	60 TON, WITH 115' BOOM, 8X4WD	251 HP D	431,952	68.08	21.77	22.16	10.69	7.86
			LINK BELT (FMC)							
	C80LI003	HTC-830	30 TON WITH 80' BOOM	210 HP D	262,034	43.62	13.21	13.43	6.49	6.58
	C80LI004	HTC-835	35 TON WITH 101' BOOM	210 HP D	275,064	45.35	13.87	14.11	6.81	6.58
	C80LI005	HTC-840	40 TON WITH 110' BOOM	240 HP D	325,454	53.43	16.38	16.63	8.06	7.52
	C80LI006	HTC-850	50 TON WITH 110' BOOM	240 HP D	358,401	57.84	18.04	18.33	8.87	7.52
	C80LI007	HTC-860	60 TON WITH 110' BOOM	240 HP D	373,923	59.94	18.81	19.12	9.25	7.52
			P & H/HARNISCHFEGER							
	C80PH002	CN T-300	30 TON WITH 100' BOOM	210 HP D	255,038	42.52	12.88	13.14	6.31	6.58
	C80PH003	CN T-350	35 TON WITH 110' BOOM	210 HP D	262,126	43.47	13.25	13.51	6.49	6.58
	C80PH004	CN T-400	40 TON WITH 106' BOOM	225 HP D	339,558	54.71	17.08	17.36	8.40	7.05
	C80PH005	OMEGA T-450	45 TON WITH 140' BOOM	225 HP D	360,269	57.48	18.14	18.44	8.92	7.05
	C80PH006	OMEGA T-500	50 TON WITH 140' BOOM	225 HP D	372,995	59.17	18.78	19.10	9.23	7.05
	C80PH007	CN T-650	65 TON WITH 147' BOOM	335 HP D	429,688	71.08	21.67	22.06	10.64	10.49
	.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 RATES		ADJUSTABLE OWNERSHIP ELEMENTS		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	472,615	71.84	22.22	21.23	11.60	7.86 1,008
	C80GV009	TM-880	80 TON, WITH 114' BOOM, 8X4WD (WITH CARRIER ENGINE)	200 HP D 310 HP D	550,388	82.79	25.97	24.91	13.51	8.72 1,104
	C80GV010	TM-890	90 TON, WITH 114' BOOM, 8X4WD (WITH CARRIER ENGINE)	200 HP D 304 HP D	558,026	83.99	26.28	25.15	13.70	8.67 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	854,656	118.24	38.20	34.69	20.85	7.76 1,672
	C80GV012	TM-1500	150 TON, WITH 173' BOOM, 12X6WD (WITH CARRIER ENGINE)	163 HP D 391 HP D	1,035,539	141.24	46.37	42.22	25.26	8.20 1,921
C85 CRANES, MECHANICAL, CRAWLER MTD										
	.10	DRAGLINE, CLAMSHELL								
	.11	0 THRU 1 CY								
		NORTHWEST								
	C85N0001	50-D/5030	1.0 CY, DRAGLINE/CLAM (ADD BUCKET) 40' BOOM, 15'-4" CRAWLERS W/30" SHOES	190 HP D	308,858	61.97	18.55	21.44	7.83	4.63 930
		P & H/HARNISCHPEGER								
	C85PH001	320H	.75 CY, DRAGLINE/CLAM (ADD BUCKET) 50' BOOM, 13'-7" CRAWLERS W/30" SHOES	93 HP D	174,087	34.47	10.45	12.08	4.41	2.27 580
	.12	OVER 1 CY THRU 2-1/2 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		
C85			CRANES, MECHANICAL, CRAWLER MTD							
	.13		OVER 2-1/2 CY THRU 5 CY							
			NORTHWEST							
		C85NO005	70-D/7080 3.5 CY, DRAGLINE/CLAM (ADD BUCKET) 80' BOOM, 19'-0" CRAWLERS W/30" SHOES	238 HP D	610,717	100.83	31.02	31.80	15.12	5.80 1,497
		C85NO006	95-D/9570-WT 4.0 CY, DRAGLINE/CLAM (ADD BUCKET) 50' BOOM, 19'-0" CRAWLERS W/38" SHOES	304 HP D	578,729	97.87	29.39	30.13	14.32	7.41 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	623,960	101.36	31.68	32.48	15.44	4.58 1,485
		C85PH004	C-120 4.00 CY, DRAGLINE/CLAM (ADD BUCKET) 115' BOOM, 24'-0" CRAWLERS W/36" SHOES	260 HP D	627,874	104.10	31.89	32.69	15.54	6.33 2,203
		C85PH005	C-165 5.00 CY, DRAGLINE/CLAM (ADD BUCKET) 135' BOOM, 26'-3" CRAWLERS W/42" SHOES	260 HP D	831,467	135.35	42.23	43.29	20.58	6.33 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	2,041,630	325.59	97.37	94.48	50.13	21.92 6,670
		C85AM005	12220 23 TON DRAGLINE (ADD BUCKET) 140' BOOM, 32'-3" CRAWLERS W/60" SHOES	900 HP D	2,049,964	326.81	97.77	94.87	50.33	21.92 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	1,521,154	243.03	72.55	70.40	37.35	16.69 5,100
			NORTHWEST							
		C85NO007	190-D 6.5 CY, DRAGLINE (ADD BUCKET) 85' BOOM, 21'-1" CRAWLERS W/60" SHOES	456 HP D	775,415	127.11	36.98	35.88	19.04	11.11 2,740
	.20		LIFTING							

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								
			*****.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	176,035	29.42	10.07	11.28	4.43	1.78	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	241,859	37.19	12.73	13.43	6.01	1.78	850
	C85AM007	5220	50 TON LIFTCRANE WITH 65' BOOM 16'-0" CRAWLERS WITH 36" SHOES	125 HP D	333,879	51.26	17.57	18.54	8.30	2.39	980
			-----LINK BELT								
	C85LB001	LS-78C	27.5 TON LIFTING CRANE W/40' BOOM 13'-7" CRAWLERS W/24" SHOES	100 HP D	224,600	34.84	11.83	12.47	5.59	1.91	640
	C85LB002	LS-98C	40 TON LIFTING CRANE W/50' BOOM 16'-9" CRAWLERS W/30" SHOES	120 HP D	278,142	43.08	14.65	15.45	6.92	2.30	830
	C85LB003	LS-108C	45 TON LIFTING CRANE W/50' BOOM 16'-9" CRAWLERS W/30" SHOES	120 HP D	290,406	44.85	15.29	16.13	7.22	2.30	850
	C85LB004	LS-110C	50 TON LIFTING CRANE W/50' BOOM 18'-5" CRAWLERS W/30" SHOES	120 HP D	345,194	52.79	18.17	19.17	8.58	2.30	1,100
			-----NORTHWEST								
	C85NO008	50-D/5030	30 TON LIFTING CRANE W/40' BOOM 15'-4" CRAWLERS W/30" SHOES	190 HP D	282,808	45.36	14.89	15.71	7.03	3.64	869
	C85NO009	50-D/5035	35 TON LIFTING CRANE W/50' BOOM 15'-4" CRAWLERS W/30" SHOES	190 HP D	285,122	45.69	15.01	15.83	7.09	3.64	872
	C85NO010	50-D/5050	50 TON LIFTING CRANE W/60' BOOM 15'-4" CRAWLERS W/30" SHOES	238 HP D	366,733	58.63	19.31	20.37	9.12	4.56	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	385,393	53.71	18.38	17.84	9.46	2.39 1,160
	C85AM009	5300	70 TON LIFTCRANE WITH 160' BOOM 17'-6" CRAWLERS WITH 36" SHOES	125 HP D	439,020	60.78	20.94	20.32	10.78	2.39 1,290
	C85AM010	7225	85 TON LIFTCRANE WITH 160' BOOM 18'-7" CRAWLERS WITH 38" SHOES	213 HP D	567,717	79.79	27.08	26.27	13.94	4.08 1,480
	C85AM011	9225	150 TON LIFTCRANE WITH 190' BOOM 23'-9" CRAWLERS WITH 44" SHOES	279 HP D	803,602	112.41	38.33	37.19	19.73	5.34 2,750
			LINK BELT							
	C85LB005	LS-138H	75 TON LIFTING CRANE W/150' BOOM 19'-5" CRAWLERS W/36" SHOES	195 HP D	470,228	66.52	22.43	21.76	11.55	3.73 1,445
	C85LB006	LS-208H	75 TON LIFTING CRANE W/200' BOOM 19'-5" CRAWLERS W/36" SHOES	250 HP D	554,136	78.86	26.43	25.64	13.61	4.79 1,865
	C85LB007	LS-218H	100 TON LIFTING CRANE W/230' BOOM 21'-4" CRAWLERS W/36" SHOES	247 HP D	696,916	97.60	33.24	32.25	17.11	4.73 2,235
			MANITOWOC							
	C85MA004	3900 VICON	100 TON LIFTING CRANE W/210' BOOM 20'-4" CRAWLERS W/38" SHOES	287 HP D	633,068	90.12	30.19	29.30	15.54	5.49 2,354
	C85MA005	3900W VICON #2	140 TON LIFTING CRANE W/250' BOOM 24'-0" CRAWLERS W/48" SHOES	300 HP D	748,001	105.58	35.68	34.62	18.37	5.74 2,815
			NORTHWEST							
	C85NO011	70-D/7060	60 TON LIFTING CRANE W/50' BOOM 19'-0" CRAWLERS W/30" SHOES	238 HP D	510,124	72.79	24.34	23.61	12.53	4.56 1,403
	C85NO012	70-D/7080	80 TON LIFTING CRANE W/160' BOOM 19'-0" CRAWLERS W/30" SHOES	238 HP D	627,479	88.25	29.93	29.04	15.41	4.56 1,524
	C85NO013	95-D/9570-WT	60 TON LIFTING CRANE W/50' BOOM 19'-0" CRAWLERS W/38" SHOES	304 HP D	570,731	82.30	27.22	26.41	14.01	5.82 1,565
	C85NO014	190-D	100 TON LIFTING CRANE W/170' BOOM 21'-1" CRAWLERS W/60" SHOES	456 HP D	801,594	116.28	38.23	37.10	19.68	8.73 2,872

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		
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	413,933	57.59	19.74	19.16	10.16	2.49 1,352
	C85PH008	5100	100 TON LIFTING CRANE W/210' BOOM 21'-6" CRAWLERS WITH 36" SHOES	188 HP D	685,619	94.73	32.70	31.73	16.83	3.60 1,880
	C85PH009	C-120	120 TON LIFTING CRANE W/230' BOOM 24'-0" CRAWLERS WITH 36" SHOES	260 HP D	680,841	95.79	32.48	31.51	16.72	4.98 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	981,500	132.07	44.38	40.88	23.94	5.68 3,790
	C85AM013	9320	250 TON LIFTING CRANE W/280' BOOM 28'-2" CRAWLERS WITH 50" SHOES	297 HP D	1,131,573	151.20	51.18	47.13	27.61	5.68 4,050
	C85AM014	10320	350 TON LIFTING CRANE W/280' BOOM 31'-4" CRAWLERS WITH 50" SHOES	519 HP D	1,692,678	227.95	76.54	70.50	41.29	9.93 5,510
	C85AM015	11320	450 TON LIFTING CRANE W/280' BOOM 33'-0" CRAWLERS WITH 60" SHOES	519 HP D	2,298,879	305.18	103.96	95.75	56.08	9.93 6,860
			LINK BELT							
	C85LB008	LS-918	400 TON LIFTING CRANE W/340' BOOM 34'-10" CRAWLERS W/60" SHOES	600 HP D	2,585,262	343.60	116.91	107.68	63.07	11.48 6,783
	C85LB009	LS-1018	500 TON LIFTING CRANE W/340' BOOM 38'-6" CRAWLERS W/60" SHOES	600 HP D	3,090,555	407.97	139.76	128.72	75.40	11.48 8,021
			MANITOWOC							
	C85MA006	4100W VICON #1	200 TON LIFTING CRANE W/260' BOOM 26'-6" CRAWLERS W/48" SHOES	360 HP D	1,040,697	141.13	47.07	43.35	25.39	6.89 3,929
	C85MA007	4600 VICON #3	240 TON LIFTING CRANE W/260' BOOM 26'-1" CRAWLERS W/60" SHOES	685 HP D	1,537,154	212.08	69.51	64.02	37.50	13.11 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 919,655	123.33	41.59	38.30	22.44	4.98	3,333
		C85PH011	DELTA 5250 250 TON LIFTING CRANE W/290' BOOM 30'-5" CRAWLERS WITH 48" SHOES	328 HP D 1,205,301	161.34	54.50	50.20	29.40	6.28	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 371,180	55.48	18.69	18.99	9.19	4.25	773
		C90LI002	BC108C 50 TON WITH 150' BOOM (WITH CARRIER ENGINE)	205 HP D 425,564	65.38	21.31	21.56	10.53	5.96	1,197
	.03		66 TON THRU 125 TON							
			AMERICAN CRANE							
		C90AM001	5530 75 TON WITH 170' BOOM (WITH CARRIER ENGINE)	128 HP D 515,975	74.78	24.35	23.35	12.67	5.89	1,245
		C90AM002	7150 125 TON WITH 240' BOOM (WITH CARRIER ENGINE)	238 HP D 706,175	108.17	33.39	32.10	17.34	12.95	1,900
			LINK BELT (FMC)							
		C90LI003	HC218A 100 TON WITH 220' BOOM (WITH CARRIER ENGINE)	318 HP D 678,042	98.14	32.00	30.70	16.65	7.69	1,688

3 - 39

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		
C90			CRANES, MECHANICAL, TRUCK MTD							
	.04		OVER 125 TON							
			AMERICAN CRANE							
	C90AM003	8470	180 TON WITH 240' BOOM (WITH CARRIER ENGINE)	268 HP D	1,020,966	141.90	45.97	42.11	24.91	11.17 2,520
				350 HP D						
	C90AM004	9530	220 TON WITH 260' BOOM (WITH CARRIER ENGINE)	268 HP D	1,386,342	190.77	62.00	56.35	33.82	11.96 3,480
				450 HP D						
			LINK BELT (FMC)							
	C90LI004	HC238B	140 TON WITH 230' BOOM (WITH CARRIER ENGINE)	165 HP D	781,944	108.35	35.06	31.96	19.08	7.69 2,220
				318 HP D						
	C90LI005	HC268	250 TON WITH 310' BOOM (WITH CARRIER ENGINE)	314 HP D	1,201,806	168.35	53.89	49.14	29.32	13.32 2,852
				440 HP D						
			P & H/HARNISCHPEGER							
	C90PH001	9150	150 TON WITH 270' BOOM (WITH CARRIER ENGINE)	210 HP D	901,672	125.30	40.48	36.95	22.00	9.35 1,805
				350 HP D						
	C90PH002	6250TC	300 TON WITH 320' BOOM (WITH CARRIER ENGINE)	364 HP D	1,943,033	262.66	87.37	79.93	47.40	14.96 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	334,698	59.43	15.78	14.45	8.55	7.15 740
			OPT. 14' 9 1/4" TOWER SECT (ADD TO SK135-2 CRANE FOR EA SECT)		14,606	1.89	0.69	0.63	0.37	0.00 51
	C95AP003	S16	TOP CLIMBING OPT. (ADD TO SK135-2)		54,193	7.02	2.55	2.34	1.38	0.00 118
	C95AP004	SK200	FREE STANDING, 10600# @ 143' R. (L2) TOWER SECTS=103 FT HIGH	160 HP E	503,725	86.20	23.73	21.74	12.86	10.40 883
			OPT. 14' 9 1/4" TOWER SECT (ADD TO SK200 CRANE FOR EA SECT)		17,343	2.25	0.82	0.75	0.44	0.00 51
	C95AP006	S16	TOP CLIMBING OPT. (ADD TO SK200)		64,610	8.38	3.05	2.79	1.65	0.00 118

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					
C95	CRANES, TOWER *****												
	AMERICAN PECCO												
	C95AP007	SK400	FREE STANDING, 18500# @ 162' R. (L2) TOWER SECTS=116 FT HIGH	173 HP E	666,572	108.58	31.41	28.77	17.02	11.25			
	C95AP008	S35	OPT. 19' 4 1/4" TOWER SECT (ADD TO SK400 CRANE FOR EA SECT)		23,565	3.06	1.11	1.02	0.60	0.00			
	C95AP009		TOP CLIMBING OPT. (ADD TO SK400)		71,697	9.29	3.38	3.09	1.83	0.00			
	C95AP010	SK560	FREE STANDING, 24500# @ 170' R. (L2) TOWER SECTS=116 FT HIGH	253 HP E	888,275	145.14	41.86	38.34	22.69	16.45			
	C95AP011	S213	OPT. 19' 4 1/4" TOWER SECT (ADD TO SK560 CRANE FOR EA SECT)		25,069	3.25	1.18	1.08	0.64	0.00			
	C95AP012		TOP CLIMBING OPT. (ADD TO SK560)		137,272	17.81	6.48	5.93	3.51	0.00			
	C95AP013	SN355	FREE STANDING, 12300# @ 165' R. (L2) TOWER SECTS=116' HIGH, W/LUFFING BOOM	221 HP E	875,818	140.41	41.28	37.81	22.37	14.37			
	C95AP014	S35	OPT. 19' 4 1/4" TOWER SECT (ADD TO SN355 CRANE FOR EA SECT)		23,565	3.06	1.11	1.02	0.60	0.00			
	C95AP015		TOP CLIMBING OPT. (ADD TO SN355)		144,348	18.72	6.81	6.23	3.69	0.00			
D10	DRILLS, AIR TRACK, CRAWLER MTD *****												
	GARDNER DENVER												
	D10GD001	ATD3800S/PR55A	3.5" HOLE, 12' FEED (ADD COMPR)	600 CFM A	91,984	21.92	6.05	7.22	2.44	0.00			
	D10GD002	ATD3800SPR123JA	4.0" HOLE, 12' FEED (ADD COMPR)	750 CFM A	93,742	22.33	6.17	7.36	2.49	0.00			
	D10GD003	ATD3800S/PR66B	4.0" HOLE, 12' FEED (ADD COMPR)	900 CFM A	96,689	23.01	6.37	7.59	2.57	0.00			
	D10GD004	ATD3800T/PR55A	ANGLE DRILL, 3.5" HOLE, 20' FEED (ADD COMPRESSOR)	600 CFM A	100,087	23.84	6.59	7.86	2.66	0.00			
	D10GD005	ATD3800TPR123JA	ANGLE DRILL, 4.0" HOLE, 20' FEED (ADD COMPRESSOR)	750 CFM A	101,980	24.28	6.72	8.01	2.71	0.00			
	D10GD006	ATD3800T/PR66B	ANGLE DRILL, 4.0" HOLE, 20' FEED (ADD COMPRESSOR)	900 CFM A	104,840	24.92	6.90	8.23	2.78	0.00			
	D10GD007	SCH2500	HYDRAULIC DRILL, 12' CHAIN FEED	152 HP D	177,777	48.47	11.70	13.96	4.72	5.95			
	D10GD008	SCH3500BV1	HYDRAULIC DRILL, 12' CHAIN FEED	223 HP D	253,358	69.38	16.68	19.89	6.73	8.73			
	INGERSOLL-RAND												

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									
D10	DRILLS, AIR TRACK, CRAWLER MTD																

INGERSOLL-RAND																	
	D10IN001	ECM360/EVL130HR HYDRA DRILL 2.5-4.0" HOLE, 12' FEED	215 HP D	172,533	50.41	11.35	13.54	4.58	8.42	220							
	D10IN002	ECM350/VL671 3.0-4.0" HOLE 12' FEED (ADD COMPR)	900 CFM A	108,235	25.72	7.13	8.50	2.88	0.00	131							
	D10IN003	ECM350/VL140 2.5-4.0" HOLE 12' FEED (ADD COMPR)	750 CFM A	95,568	22.75	6.29	7.50	2.54	0.00	129							
SULLIVAN																	
	D10SU001	MAVRICK, VCR350 2.5" HOLE, 12' FEED (ADD COMPR)	450 CFM A	37,543	9.12	2.48	2.95	1.00	0.00	60							
	D10SU002	RAM STD, VCR360 2.5"-4.0" HOLE, 12' FEED (ADD COMPR)	600 CFM A	107,941	25.60	7.11	8.47	2.87	0.00	149							
	D10SU003	RAM EXT, VCR361 3.0"-4.0" HOLE, 12' FEED (ADD COMPR)	850 CFM A	113,594	26.91	7.48	8.92	3.02	0.00	205							
	D10SU004	MUSTANG, VCR280 4.0"-5.5" HOLE, 20' FEED (ADD COMPR)	1200 CFM A	152,693	35.99	10.06	11.99	4.06	0.00	255							
D15	DRILLS, BORING MACHINES																

BOR-IT																	
	D15BI001	16" DIA. AUGER, 40-FT LONG W/DIRTHD	10 HP G	8,424	3.10	0.55	0.66	0.22	0.96	18							
	D15BI002	20" DIA. AUGER, 40-FT LONG W/DIRTHD	16 HP G	13,047	4.86	0.86	1.02	0.35	1.54	21							
	D15BI003	24" DIA. AUGER, 40-FT LONG W/DIRTHD	31 HP D	15,574	4.93	1.02	1.22	0.41	1.21	49							
	D15BI004	30" DIA. AUGER, 40-FT LONG W/DIRTHD	45 HP D	31,534	9.11	2.08	2.48	0.84	1.76	70							
	D15BI005	36" DIA. AUGER, 40-FT LONG W/DIRTHD	65 HP D	41,876	12.35	2.76	3.29	1.11	2.54	90							
	D15BI006	48" DIA. AUGER, 40-FT LONG W/DIRTHD	90 HP D	65,987	18.84	4.34	5.18	1.75	3.52	170							
	D15BI007	60" DIA. AUGER, 40-FT LONG W/DIRTHD	110 HP D	86,677	24.35	5.70	6.80	2.30	4.31	250							
D20	DRILLS, CORE, COLUMN MOUNTED																

ACKER DRILL																	
	D20AD001	610-E 4" DIA. MAX CORE HOLE	1 HP E	2,360	0.92	0.18	0.23	0.06	0.08	1							
	D20AD002	930-E 9" DIA. MAX CORE HOLE	2 HP E	2,913	1.24	0.23	0.29	0.08	0.16	2							
	D20AD003	1050-E 10" DIA. MAX CORE HOLE	3 HP E	4,658	1.86	0.36	0.46	0.13	0.24	3							
	D20AD004	1080-E 10" DIA. MAX CORE HOLE	11 HP E	10,656	5.02	0.82	1.05	0.29	0.88	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			
D20			DRILLS, CORE, COLUMN MOUNTED								
			LONGYEAR								
	D20LY001	752/E4-230	DRILL, WITH E4-230 MOTOR (110V)	3 HP E	4,498	2.01	0.34	0.44	0.12	0.24	2
	D20LY002	42N/A4-350	DRILL, W/A4-350 MOTOR, (ADD COMPR)	185 CFM A	4,794	1.84	0.37	0.47	0.13	0.00	3
D25			DRILLS, CORE, SKID MOUNTED								
			ACKER DRILL								
	D25AD001	ACE, MODEL C	NX, 400' MAX DRILL DEPTH	20 HP D	28,737	7.57	1.89	2.26	0.76	0.78	35
	D25AD002	TEREDO MARK-II	NX, 1000' MAX DRILL DEPTH	48 HP D	38,971	11.29	2.57	3.06	1.04	1.88	45
	D25AD003	BUSH MASTER	NX, 900' MAX DRILL DEPTH	52 HP D	52,884	14.67	3.48	4.15	1.40	2.04	45
			SPRAGUE AND HENWOOD								
	D25SP001	37	NWG-NWM, 400' MAX	30 HP G	18,519	7.60	1.22	1.45	0.49	2.89	16
	D25SP002	37-H	NWG-NWM, 500' MAX	23 HP G	19,999	7.15	1.32	1.57	0.53	2.21	18
	D25SP003	40-CL	NWX, 1050' MAX, MECHANICAL	40 HP G	29,844	11.32	1.96	2.34	0.79	3.85	34
	D25SP004	40-CLH	NWX, 1050' MAX, HYDRAULIC	46 HP G	32,996	12.72	2.18	2.59	0.88	4.43	43
	D25SP005	142-HD	NWXL, 2500' MAX	91 HP G	42,827	20.00	2.82	3.36	1.14	8.76	42
	D25SP006	20 MF	AWG/AWM 180' MAX, WITH TRAILER	35 HP D	25,084	7.47	1.65	1.95	0.67	1.37	59
	D25SP007	20 MH	NWG/NWM 140' MAX, WITH TRAILER	47 HP D	30,989	9.40	2.03	2.41	0.82	1.84	98
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	68,918	28.35	4.54	5.41	1.83	8.22	137
	D30HD002	H-35VT	HYDRAULIC AUGER W/60'- 8"X26" LEADS 33,000 FT-LBS TORQUE, (ADD CRANE)	270 HP D	120,470	44.21	7.93	9.46	3.20	10.57	163
	D30HD003	H-50VT	HYDRAULIC AUGER W/60'-10"X37" LEADS 50,000 FT-LBS TORQUE, (ADD CRANE)	335 HP D	137,950	52.48	9.08	10.83	3.66	13.12	291

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													
D30	DRILLS, EARTH/AUGER																				

	MOBILE DRILL																				
	D30MR001	MINUTEMAN	DRILL W/AUGER KIT, 347 FT-LB TORQUE PORTABLE	7 HP G	5,610	2.18	0.37	0.44	0.15	0.67	4										
	D30MR002	B-24 SURVEYOR	DRILL W/AUGER KIT, 710 FT-LB TORQUE SKID-MOUNTED	24 HP G	15,413	6.59	1.02	1.21	0.41	2.31	20										
	D30MR003	B-31	HYDRAULIC AUGER, 3,275 FT-LB TORQUE TRAILER MOUNTED	95 HP G	26,776	18.24	1.74	2.06	0.71	9.15	42										
	D30MR004	B-34	HYDRAULIC AUGER, 3,275 FT-LB TORQUE TRAILER MOUNTED	105 HP D	32,593	12.76	2.13	2.52	0.87	4.11	55										
	D30MR005	B-53	MULTI-PURPOSE, 5,955 FT-LBS TORQUE WITH 21,000 GVW TRUCK W/PTO DRIVE	164 HP G	58,413	34.39	3.78	4.46	1.55	15.79	120										
	D30MR006	B-57	MULTI-PURPOSE, 7,000 FT-LBS TORQUE WITH 21,000 GVW TRUCK (WITH CARRIER ENGINE)	120 HP G	64,324	33.43	4.17	4.92	1.71	14.03	130										
	D30MR007	B-61HD	MULTI-PURPOSE, 8,900 FT-LBS TORQUE WITH 44,300 GVW TRUCK (WITH CARRIER ENGINE)	164 HP G 120 HP G 216 HP G	108,908	44.70	7.10	8.42	2.89	14.81	205										
D35	DRILLS, ROTARY BLAST HOLE																				

	.10	DIESEL or GASOLINE																			
	.11	0" THRU 11" DIA. HOLE																			

	GARDNER DENVER																				
	D35GD001	RDC-16B	3" TO 5-1/8" HOLES, CRAWLER MTD	131 HP D	210,620	43.09	11.35	11.81	5.44	5.13	310										
	D35GD002	GD-25C	5-1/8" TO 7-3/8" HOLES, CRWLR MTD	250 HP D	219,399	51.01	11.81	12.30	5.66	9.79	550										
	D35GD003	GD-35B	6" TO 8-3/4" HOLES, CRAWLER MOUNTED	250 HP D	280,038	61.38	15.08	15.70	7.23	9.79	550										
	D35GD004	GD-45C	6-3/4" TO 9" HOLES, CRAWLER MOUNTED	325 HP D	346,801	76.85	18.68	19.45	8.95	12.72	775										
	INGERSOLL-RAND																				
	D35IN001	DM-25	6 3/4" DRILLMASTER, CRAWLER MOUNTED	450 HP D	357,099	85.36	19.23	20.02	9.22	17.62	500										

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		
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	487,296	115.58	26.11	27.06	12.58	22.65
	D35IN003	TH-60	16" WATER WELL DRILL, TRUCK MOUNTED	475 HP D	375,220	90.62	20.10	20.82	9.69	18.60
			ROBBINS							
	D35RO001	RRT 35	6-1/4" TO 8-0" HOLE, TRUCK MOUNTED	400 HP D	330,326	78.95	17.67	18.27	8.53	15.66
	D35RO002	RRT 60	6-3/4" TO 9-7/8" HOLE, TRUCK MOUNTED (WITH CARRIER ENGINE)	350 HP D	493,896	107.37	26.37	27.24	12.75	15.48
	D35RO003	RR10S	6-3/4" TO 9" HOLE, MTD ON D9N CRWLR	370 HP D	402,471	88.80	21.68	22.57	10.39	14.49
	D35RO004	RR10HD	6-3/4" TO 10 5/8" HOLE, MTD ON D9N	370 HP D	450,150	96.95	24.24	25.24	11.62	14.49
	D35RO005	RRC 50	6-1/4" TO 9-7/8" HOLE, CRAWLER MTD	400 HP D	378,328	86.29	20.38	21.21	9.77	15.66
	.12		OVER 11" DIAM.							
			ROBBINS							
	D35RO006	RR10XHD	9-7/8" TO 12-1/4" HOLE, MTD ON FD50	525 HP D	662,283	118.73	31.28	28.88	16.84	20.55
	.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																

CATERPILLAR																	
3-46	F10CA001	M25D	2500# @ 24" LOAD CENTER	18 HP E	22,255	6.14	1.45	1.71	0.59	1.17	65						
	F10CA002	MC30D	3000# @ 24" LOAD CENTER	18 HP E	22,850	6.27	1.48	1.74	0.61	1.17	65						
	F10CA003	MC40D	4000# @ 24" LOAD CENTER	32 HP E	24,905	8.00	1.61	1.90	0.66	2.08	71						
	F10CA004	M50D	5000# @ 24" LOAD CENTER	32 HP E	27,973	8.61	1.81	2.14	0.74	2.08	95						
	F10CA005	MC60D-SA	6000# @ 24" LOAD CENTER	47 HP E	32,914	11.01	2.15	2.53	0.88	3.06	105						
	F10CA006	M70B	7000# @ 24" LOAD CENTER	53 HP E	40,092	13.01	2.61	3.07	1.07	3.45	134						
	F10CA007	M80B	8000# @ 24" LOAD CENTER	53 HP E	41,935	13.37	2.73	3.22	1.12	3.45	142						
	F10CA008	M100B	10000# @ 24" LOAD CENTER	53 HP E	43,761	13.72	2.85	3.38	1.16	3.45	160						
	F10CA009	V30D	3000# @ 24" LOAD CENTER	37 HP G	20,992	7.76	1.38	1.63	0.56	2.88	61						
	F10CA010	V40D	4000# @ 24" LOAD CENTER	48 HP G	23,991	9.43	1.55	1.82	0.64	3.73	88						
	F10CA011	V50D	5000# @ 24" LOAD CENTER	48 HP G	25,656	9.79	1.63	1.89	0.68	3.73	95						
	F10CA012	V60E	6000# @ 24" LOAD CENTER	63 HP G	37,217	13.53	2.41	2.84	0.99	4.90	117						
	F10CA013	V70E	7000# @ 24" LOAD CENTER	63 HP G	37,589	13.60	2.44	2.87	1.00	4.90	125						
	F10CA014	V80E	8000# @ 24" LOAD CENTER	63 HP G	39,106	13.91	2.54	2.99	1.04	4.90	131						
	F10CA015	V110	11000# @ 24" LOAD CENTER	66 HP D	55,709	13.71	3.60	4.24	1.48	2.07	180						
	F10CA016	V150	15000# @ 24" LOAD CENTER	70 HP D	60,000	14.72	3.89	4.58	1.60	2.19	201						
	F10CA017	V180B	18000# @ 24" LOAD CENTER	125 HP D	78,752	20.66	5.05	5.89	2.10	3.92	250						
	F10CA018	V200B	20000# @ 24" LOAD CENTER	125 HP D	85,971	22.10	5.52	6.46	2.29	3.92	273						
	F10CA019	V250B	25000# @ 24" LOAD CENTER	125 HP D	92,796	23.46	5.98	7.01	2.47	3.92	342						
	F10CA020	V300B	30000# @ 24" LOAD CENTER	125 HP D	96,469	24.22	6.18	7.21	2.57	3.92	372						
	F10CA021	R40	4000# @ 24" LOAD CNTR ROUGH TERRAIN	68 HP D	37,274	10.12	2.39	2.80	0.99	2.13	107						
	F10CA022	R50	5000# @ 24" LOAD CNTR ROUGH TERRAIN	68 HP D	38,045	10.27	2.44	2.86	1.01	2.13	112						
	F10CA023	R60	6000# @ 24" LOAD CNTR ROUGH TERRAIN	68 HP D	45,471	11.75	2.93	3.44	1.21	2.13	127						
	F10CA024	R80	8000# @ 24" LOAD CNTR ROUGH TERRAIN	68 HP D	47,138	12.12	2.99	3.47	1.25	2.13	138						
HYSTER																	
3-46	F10HY001	H30XL	3000# CAPACITY @ 24" LOAD CENTER	46 HP G	20,514	8.56	1.32	1.53	0.55	3.58	58						
	F10HY002	H60XL	6000# CAPACITY @ 24" LOAD CENTER	63 HP G	27,921	11.68	1.80	2.11	0.74	4.90	91						
	F10HY003	H110XL	11000# CAPACITY @ 24" LOAD CENTER	94 HP G	45,477	18.15	2.94	3.46	1.21	7.31	147						
	F10HY004	H155XL	15500# CAPACITY @ 24" LOAD CENTER	94 HP G	56,959	20.48	3.67	4.30	1.52	7.31	190						
	F10HY005	H210XL	21000# CAP @ 24" LOAD CENTER, PS	127 HP D	72,769	19.55	4.65	5.42	1.94	3.98	291						
	F10HY006	H250XL	25000# CAP @ 24" LOAD CENTER, PS	127 HP D	85,922	22.20	5.49	6.40	2.29	3.98	316						
	F10HY007	H300XL	30000# CAP @ 24" LOAD CENTER, PS	127 HP D	87,561	22.47	5.64	6.62	2.33	3.98	367						
	F10HY008	H470CS	47000# CAP @ 48" LOAD CENTER, PS	194 HP D	175,835	42.79	11.30	13.24	4.68	6.08	636						

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								
G10 GENERATOR SETS																

.10 PORTABLE																

HOMELITE																

G10H0001	HG2500A	2.3 KW		5 HP G	844	0.67	0.07	0.09	0.02	0.39	1					
	G10H0002	HG3500	3.0 KW	7 HP G	1,106	0.92	0.09	0.12	0.03	0.54	2					
	G10H0003	EH5500HD	5.0 KW	11 HP E	980	0.94	0.08	0.10	0.03	0.72	2					
	G10H0004	180R162	5.5 KW	11 HP G	2,156	1.55	0.18	0.23	0.06	0.85	2					
KOHLER																

G10KH001	2.25MBM25	2.25 KW		5 HP G	836	0.67	0.07	0.09	0.02	0.39	1					
	G10KH002	3.5MM65	3.50 KW	8 HP G	994	0.99	0.08	0.10	0.03	0.62	2					
	G10KH003	5MM65	5.00 KW	11 HP G	1,285	1.34	0.10	0.13	0.03	0.85	2					
ONAN																

G10ON001	2.5LK-3M	2.5 KW, 120/240V		5 HP G	2,812	1.11	0.22	0.30	0.07	0.39	2					
	G10ON002	4.0CCK-3CP	4.0 KW, 120/240V	10 HP G	3,607	1.79	0.29	0.38	0.10	0.78	4					
	G10ON003	5.0CCK-3CP	5.0 KW, 120/240V	10 HP G	4,127	1.89	0.33	0.43	0.11	0.78	4					
	G10ON004	10.0CCKB-3CP	10.0 KW, 120/240V	20 HP G	4,770	2.99	0.38	0.50	0.13	1.55	4					
.20 SKID MOUNTED																

CATERPILLAR																

G10CA001	3304B-T	100 KW, 240/480V		156 HP D	19,896	9.97	1.35	1.67	0.51	4.89	34					
	G10CA002	3306B-T	165 KW, 240/480V	241 HP D	24,867	14.25	1.69	2.09	0.64	7.55	49					
	G10CA003	3306B-TA	180 KW, 240/480V	269 HP D	25,300	15.43	1.72	2.13	0.65	8.43	52					
	G10CA004	3406B-T	225 KW, 240/480V	332 HP D	28,201	18.44	1.91	2.37	0.72	10.40	64					
	G10CA005	3406B-TA	250 KW, 240/480V	368 HP D	30,432	20.28	2.06	2.56	0.78	11.53	68					
	G10CA006	3408B-TA	365 KW, 240/480V	530 HP D	49,725	30.36	3.37	4.18	1.28	16.60	88					
	G10CA007	3412-T	425 KW, 240/480V	615 HP D	56,579	34.99	3.83	4.75	1.45	19.26	91					
	G10CA008	3412-TA	545 KW, 240/480V	784 HP D	75,412	45.25	5.10	6.33	1.93	24.55	102					
	G10CA009	3508	650 KW, 240/480V	932 HP D	99,733	55.80	6.75	8.38	2.56	29.19	170					
	G10CA010	3512	910 KW, 240/480V	1299 HP D	130,306	76.04	8.82	10.95	3.34	40.68	225					
	G10CA011	3516	1275 KW, 240/480V	1814 HP D	195,868	108.93	13.26	16.45	5.03	56.81	278					

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

CAT	ID. NO.	MODEL	EQUIPMENT	DESCRIPTION	VALUE (\$)	TOTAL RATES		ADJUSTABLE OWNERSHIP		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	8,199	2.96	0.56	0.69	0.21	1.09				
	G100N006	7.5JB-3CR	7.5 KW, 120/240V		15 HP G	8,748	3.16	0.59	0.73	0.22	1.17				
	G100N007	7.5DKD-3CE	7.5 KW, 120/240V		15 HP D	10,120	2.57	0.69	0.85	0.26	0.47				
	G100N008	3.0DJ-A-3CR	3.0 KW, 120/240V		6 HP D	8,508	1.91	0.58	0.71	0.22	0.19				
	G100N009	6.0DJE-18R	6.0 KW, RECONNECTIBLE		12 HP D	10,099	2.46	0.69	0.85	0.26	0.38				
	G100N010	12.0DJC-3CR	12.0 KW, 120/240V		22 HP D	13,536	3.52	0.92	1.14	0.35	0.69				
	G100N011	15RDJC	15.0 KW, DUAL PHASE		27 HP D	14,133	3.83	0.96	1.19	0.36	0.85				
	G100N012	20DL4-15R	20.0 KW, RECONNECTIBLE		33 HP D	15,326	4.29	1.04	1.29	0.39	1.03				
	G100N013	30DDL6-15R	30.0 KW, RECONNECTIBLE		50 HP D	16,486	5.18	1.11	1.38	0.42	1.57				
	G100N014	40DL6T-15R	40.0 KW, RECONNECTIBLE		65 HP D	17,464	5.97	1.19	1.47	0.45	2.04				
	G100N015	50DL6B-15R	50.0 KW, RECONNECTIBLE		87 HP D	19,543	7.21	1.32	1.64	0.50	2.72				
	G100N016	60DVB-15R	60.0 KW, RECONNECTIBLE		118 HP D	20,377	8.59	1.38	1.71	0.52	3.70				
	G100N017	75DVB-15R	75.0 KW, RECONNECTIBLE		118 HP D	22,876	9.09	1.55	1.92	0.59	3.70				
	G100N018	100DVC-15R	100.0 KW, RECONNECTIBLE		155 HP D	25,265	10.98	1.71	2.12	0.65	4.85				
	G100N019	125DVD-15R	125.0 KW, RECONNECTIBLE		191 HP D	28,219	12.96	1.91	2.37	0.72	5.98				
	G100N020	150DVE-15R	150.0 KW, RECONNECTIBLE		227 HP D	31,616	15.03	2.14	2.66	0.81	7.11				
G15	GRADERS, MOTOR														

	CATERPILLAR														
	G15CA001	120-G	ARTICULATED FRAME, POWERSHIFT		125 HP D	122,476	24.71	6.95	7.27	3.31	3.59				
	G15CA002	130-G	ARTICULATED FRAME, POWERSHIFT		135 HP D	139,345	27.78	7.92	8.32	3.76	3.88				
	G15CA003	12-G	ARTICULATED FRAME, POWERSHIFT		135 HP D	151,817	29.80	8.63	9.06	4.10	3.88				
	G15CA004	140-G	ARTICULATED FRAME, POWERSHIFT		150 HP D	152,837	30.61	8.67	9.08	4.13	4.31				
G15CH	G15CA005	14-G	ARTICULATED FRAME, POWERSHIFT		200 HP D	229,644	45.18	12.95	13.49	6.20	5.74				
	G15CA006	16-G	ARTICULATED FRAME, POWERSHIFT		275 HP D	333,703	65.11	18.78	19.54	9.01	7.90				
	CHAMPION														
	G15CH001	710A	ARTICULATED FRAME		135 HP D	120,258	24.79	6.80	7.10	3.25	3.88				
G15CH	G15CH002	720A	ARTICULATED FRAME		153 HP D	132,503	27.42	7.51	7.86	3.58	4.39				
	G15CH003	730A	ARTICULATED FRAME		187 HP D	143,321	30.50	8.11	8.48	3.87	5.37				
	G15CH004	740A	ARTICULATED FRAME		210 HP D	154,831	33.23	8.78	9.19	4.18	6.03				

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																	
G15	GRADERS, MOTOR																								

CHAMPION																									
W 15 6	G15CH005	750A	ARTICULATED FRAME	200 HP D	170,513	35.70	9.54	9.88	4.60	5.74	388														
	G15CH006	780A	ARTICULATED FRAME	200 HP D	190,114	38.83	10.67	11.07	5.13	5.74	421														
	G15CH007	710	RIGID FRAME	135 HP D	113,564	23.70	6.42	6.70	3.07	3.88	283														
	G15CH008	720	RIGID FRAME	153 HP D	121,666	25.68	6.88	7.20	3.28	4.39	318														
	G15CH009	730	RIGID FRAME	187 HP D	131,314	28.58	7.43	7.75	3.55	5.37	338														
	G15CH010	740	RIGID FRAME	210 HP D	146,044	31.82	8.27	8.65	3.94	6.03	361														
	G15CH011	750	RIGID FRAME	200 HP D	161,724	34.29	9.04	9.34	4.37	5.74	388														
	G15CH012	780	RIGID FRAME	200 HP D	181,325	37.44	10.17	10.54	4.90	5.74	421														
	FIATALLIS																								
	G15FI001	FG75A	ARTICULATED FRAME, POWERSHIFT	135 HP D	118,557	24.47	6.72	7.03	3.20	3.88	317														
	G15FI002	FG85A	ARTICULATED FRAME, POWERSHIFT	155 HP D	125,607	26.42	7.10	7.41	3.39	4.45	320														
	G15FI003	PG95A	ARTICULATED FRAME, POWERSHIFT	165 HP D	133,019	28.13	7.48	7.77	3.59	4.74	332														
	G15FI004	65B	RIGID FRAME, POWERSHIFT	68 HP D	73,858	14.71	4.14	4.30	1.99	1.95	137														
	G15FI005	FG75	RIGID FRAME, POWERSHIFT /TC	135 HP D	110,539	23.18	6.25	6.54	2.98	3.88	309														
	G15FI006	PG85	RIGID FRAME, POWERSHIFT /TC	155 HP D	116,602	24.97	6.58	6.86	3.15	4.45	313														
	G15FI007	PG95	RIGID FRAME, POWERSHIFT/TC	165 HP D	125,051	26.85	7.02	7.28	3.38	4.74	325														
GALION/DRESSER																									
G15GI001	450E	ARTICULATED FRAME, POWERSHIFT	144 HP D	128,986	26.47	7.31	7.66	3.48	4.13	278															
	830	ARTICULATED FRAME, POWERSHIFT	144 HP D	132,868	27.10	7.54	7.90	3.59	4.13	278															
	A500E	ARTICULATED FRAME, POWERSHIFT	166 HP D	134,941	28.33	7.63	7.98	3.64	4.77	297															
	850	ARTICULATED FRAME, POWERSHIFT	166 HP D	142,705	29.59	8.08	8.46	3.85	4.77	301															
	A550	ARTICULATED FRAME, POWERSHIFT	166 HP D	151,339	30.98	8.59	8.99	4.09	4.77	324															
	870	ARTICULATED FRAME, POWERSHIFT	204 HP D	154,651	32.97	8.78	9.19	4.18	5.86	324															
	A566E	ARTICULATED FRAME, POWERSHIFT	177 HP D	162,333	33.15	9.21	9.66	4.38	5.08	327															
	A600	ARTICULATED FRAME, POWERSHIFT	204 HP D	159,961	33.82	9.07	9.50	4.32	5.86	335															
	A606	ARTICULATED FRAME, POWERSHIFT	204 HP D	178,514	36.79	10.14	10.63	4.82	5.86	341															
INTERNATIONAL/DRESSER																									
G15ID001	A450E	ARTICULATED FRAME, ALL WHEEL DRIVE	144 HP D	122,672	25.47	6.95	7.28	3.31	4.13	281															
	830	ARTICULATED FRAME, ALL WHEEL DRIVE	144 HP D	133,117	27.19	7.53	7.87	3.59	4.13	287															
	850	ARTICULATED FRAME, ALL WHEEL DRIVE	166 HP D	142,918	29.62	8.10	8.47	3.86	4.77	310															

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	DEPR	CFC		
G15				GRADERS, MOTOR							
				INTERNATIONAL/DRESSER							
	G15ID004	870		ARTICULATED FRAME, ALL WHEEL DRIVE	204 HP D	154,852	32.99	8.78	9.20	4.18	5.86
				JOHN DEERE							
	G15JD001	570B		ARTICULATED FRAME, POWER SHIFT	90 HP D	92,122	18.47	5.21	5.43	2.49	2.58
	G15JD002	670B		ARTICULATED FRAME, POWER SHIFT	135 HP D	115,877	24.01	6.57	6.88	3.13	3.88
	G15JD003	672B		ARTICULATED FRAME, POWER SHIFT	135 HP D	137,724	27.52	7.83	8.22	3.72	3.88
	G15JD004	770B		ARTICULATED FRAME, POWER SHIFT	155 HP D	132,043	27.42	7.48	7.83	3.56	4.45
	G15JD005	772B		ARTICULATED FRAME, POWER SHIFT	155 HP D	151,867	30.60	8.62	9.04	4.10	4.45
				KOMATSU							
	G15KM001	GD 515A-1		ARTICULATED FRAME	125 HP D	147,401	28.68	8.39	8.81	3.98	3.59
	G15KM002	GD 615A-1		ARTICULATED FRAME	140 HP D	163,796	31.98	9.29	9.74	4.42	4.02
	G15KM003	GD 625A-1C		ARTICULATED FRAME	155 HP D	176,656	34.60	10.03	10.52	4.77	4.45
	G15KM004	GD 725A-1		ARTICULATED FRAME	200 HP D	237,620	46.45	13.41	13.97	6.42	5.74
	G15KM005	GD 825A-1		ARTICULATED FRAME	280 HP D	332,588	65.12	18.72	19.47	8.98	8.04
				MITSUBISHI							
	G15MI001	MG100		ARTICULATED FRAME, POWERSHIFT	76 HP D	92,462	17.91	5.26	5.51	2.50	2.18
	G15MI002	MG150		ARTICULATED FRAME, POWERSHIFT	91 HP D	100,328	19.75	5.71	5.99	2.71	2.61
	G15MI003	MG400		ARTICULATED FRAME, POWERSHIFT	150 HP D	135,122	27.61	7.70	8.10	3.65	4.31
	G15MI004	MG500		ARTICULATED FRAME, POWERSHIFT	174 HP D	148,889	30.76	8.48	8.91	4.02	5.00
H20				HOIST							
				BEEBE							
	H20BE001	FA1		AIR TUGGER, 1 TON (ADD COMPRESSOR)	390 CFM A	12,050	2.81	0.85	1.05	0.32	0.00
	H20BE002	FA2.5		AIR TUGGER, 2.5 TON (ADD COMPRESSOR)	700 CFM A	15,919	3.79	1.13	1.39	0.43	0.00
	H20BE003	FA5		AIR TUGGER, 5 TON (ADD COMPRESSOR)	700 CFM A	20,360	4.88	1.44	1.77	0.55	0.00
	H20BE004	FA10		AIR TUGGER, 10 TON (ADD COMPRESSOR)	800 CFM A	36,300	8.58	2.56	3.16	0.98	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		
H20	HOIST									
	SKAGIT									
	H20SK001	BU-18	DOUBLE DRUM WITH 5/8" CABLE	100 HP D	89,155	23.97	6.29	7.77	2.40	3.13
	H20SK002	G-70	DOUBLE DRUM WITH 7/8" CABLE	100 HP D	120,582	31.03	8.49	10.50	3.24	3.13
	H20SK003	RB-80	DOUBLE DRUM WITH 1-1/8" CABLE	130 HP D	185,915	46.93	13.10	16.20	5.00	4.07
	H20SK004	RB-90W	DOUBLE DRUM WITH 1-3/8" CABLE	150 HP D	206,869	52.42	14.57	18.02	5.56	4.70
H25	HYDRAULIC EXCAVATORS, CRAWLER MTD									
	.10	DIESEL OR GASOLINE								
	.11	O THRU 1 CY								
	AKERMAN									
	H25AK001	H3B	.50 CY BUCKET	67 HP D	122,737	30.63	9.07	11.25	3.44	1.92
	H25AK002	H7C	.90 CY BUCKET	145 HP D	173,918	45.38	12.84	15.94	4.87	4.16
	BADGER									
	H25BA001	300	.50 CY BUCKET, HYDRO-SCOPIC	85 HP D	145,124	36.45	10.72	13.30	4.07	2.44
	H25BA002	888	1.00 CY BUCKET, HYDRO-SCOPIC	160 HP D	231,191	59.03	17.07	21.18	6.48	4.59
	CATERPILLAR									
	H25CA001	205LC	.50 CY BUCKET, LONG CARRIAGE	71 HP D	93,519	24.12	6.91	8.57	2.62	2.04
	H25CA002	211LC	.68 CY BUCKET, LONG CARRIAGE	94 HP D	120,607	31.22	8.91	11.05	3.38	2.70
	H25CA003	213BLC	.91 CY BUCKET, LONG CARRIAGE	110 HP D	141,255	36.55	10.43	12.94	3.96	3.16
	H25CA004	215CIC	1.00 CY BUCKET, LONG CARRIAGE	115 HP D	152,871	39.39	11.29	14.01	4.28	3.30
	CASE									
	H25CS001	880D	.48 CY BUCKET	114 HP D	94,436	26.03	6.98	8.65	2.65	3.27
	H25CS002	888	.75 CY BUCKET	128 HP D	104,749	28.95	7.74	9.60	2.94	3.67
	H25CS003	1080B	1.00 CY BUCKET	153 HP D	117,874	32.92	8.70	10.80	3.30	4.39

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		
H25			HYDRAULIC EXCAVATORS, CRAWLER MTD								
	.11	0 THRU 1 CY									
			FIATALLIS								
	H25FI001	FE20LC	.88 CY BUCKET	105 HP D	159,061	40.41	11.75	14.57	4.46	3.01	440
			GRADALL								
	H25GA001	G-660E	.62 CY BUCKET	162 HP D	185,880	48.78	13.73	17.03	5.21	4.65	409
	H25GA002	G-880C	1.00 CY BUCKET	145 HP D	226,428	57.34	16.72	20.75	6.34	4.16	494
			HITACHI								
	H25HI001	EX100	.28 CY BUCKET	72 HP D	103,064	26.35	7.61	9.44	2.89	2.07	240
	H25HI002	EX100WD	.40 CY BUCKET	108 HP D	142,355	36.72	10.51	13.04	3.99	3.10	240
	H25HI003	EX150	.68 CY BUCKET	91 HP D	124,382	31.95	9.19	11.40	3.49	2.61	320
	H25HI004	EX200	.67 CY BUCKET	119 HP D	155,157	40.09	11.46	14.22	4.35	3.42	408
	H25HI005	EX200LC	.74 CY BUCKET	119 HP D	168,636	43.15	12.46	15.45	4.73	3.42	434
			INSLEY								
	H25IS001	H-600C	.88 CY BUCKET	135 HP D	122,824	33.34	9.07	11.25	3.44	3.88	385
	H25IS002	H-800C	.88 CY BUCKET	160 HP D	148,317	40.15	10.96	13.59	4.16	4.59	440
			JOHN DEERE								
	H25JD001	15	.05 CY BUCKET	15 HP D	23,202	5.88	1.72	2.13	0.65	0.43	29
	H25JD002	25	.10 CY BUCKET	23 HP D	34,052	8.67	2.51	3.12	0.95	0.66	64
	H25JD003	50	.16 CY BUCKET	39 HP D	49,066	12.73	3.62	4.50	1.37	1.12	93
	H25JD004	70D	.31 CY BUCKET	55 HP D	63,433	16.64	4.69	5.81	1.78	1.58	140
	H25JD005	490D	.50 CY BUCKET	75 HP D	93,625	24.30	6.91	8.58	2.62	2.15	265
	H25JD006	590D	.625 CY BUCKET	95 HP D	116,389	30.29	8.59	10.66	3.26	2.73	332
	H25JD007	690D	.880 CY BUCKET	125 HP D	123,891	33.18	9.15	11.35	3.47	3.59	397
	H25JD008	790D	1.00 CY BUCKET	155 HP D	163,859	43.48	12.10	15.01	4.59	4.45	501
			KOMATSU								
	H25KM001	PC 120-3	.65 CY BUCKET	82 HP D	111,747	28.71	8.25	10.24	3.13	2.35	256
	H25KM002	PC 150-3	.90 CY BUCKET	99 HP D	121,735	31.66	8.99	11.15	3.41	2.84	322

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		
H25			HYDRAULIC EXCAVATORS, CRAWLER MTD							

	.11	O THRU 1 CY								
			KOEHRING							
	H25KO001	6608	.340 CY BUCKET	51 HP D	73,504	18.77	5.43	6.73	2.06	1.46
	H25KO002	6612	.660 CY BUCKET	87 HP D	94,133	24.90	6.95	8.62	2.64	2.50
			MDI/YUTANI							
	H25MD001	MD140BLC	.50 CY BUCKET	84 HP D	107,104	27.73	7.91	9.81	3.00	2.41
	H25MD002	MD200BLC	1.00 CY BUCKET	123 HP D	162,498	41.90	12.00	14.89	4.55	3.53
	.12	OVER 1 CY THRU 2-1/2 CY								
			AKERMAN							
	H25AK003	H10BLC	1.40 CY BUCKET	166 HP D	193,304	46.06	12.74	15.21	5.13	4.77
	H25AK004	H14B	1.60 CY BUCKET	209 HP D	220,763	53.37	14.55	17.37	5.86	6.00
	H25AK005	H16D	2.35 CY BUCKET	262 HP D	362,487	84.41	23.88	28.53	9.61	7.52
			BADGER							
	H25BA003	311 HOPTO	1.88 CY BUCKET	235 HP D	270,625	64.58	17.83	21.30	7.18	6.75
	H25BA004	900B	2.50 CY BUCKET	308 HP D	325,332	78.64	21.43	25.60	8.63	8.84
			CATERPILLAR							
	H25CA005	219LC	1.13 CY BUCKET, LONG CARRIAGE	130 HP D	173,325	40.55	11.42	13.64	4.60	3.73
	H25CA006	225B	1.25 CY BUCKET	145 HP D	200,187	46.62	13.19	15.75	5.31	4.16
	H25CA007	235C	2.00 CY BUCKET	250 HP D	374,734	86.44	24.69	29.49	9.94	7.18
			FIATALLIS							
	H25FI002	FE28LC	1.50 CY BUCKET	152 HP D	212,304	49.38	13.99	16.71	5.63	4.36
	H25FI003	FE40L	2.00 CY BUCKET	243 HP D	335,830	78.22	22.13	26.43	8.91	6.98
			HITACHI							
	H25HI006	UH083	1.13 CY BUCKET	115 HP D	137,070	32.55	9.04	10.79	3.64	3.30

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		
H25			HYDRAULIC EXCAVATORS, CRAWLER MTD							
	.12		OVER 1 CY THRU 2-1/2 CY							
			HITACHI							
	H25HI007	UH123	1.50 CY BUCKET	157 HP D	205,127	48.11	13.51	16.14	5.44	4.51
	H25HI008	UH181	1.75 CY BUCKET	269 HP D	321,424	76.30	21.18	25.30	8.53	7.72
	H25HI009	EX270	1.34 CY BUCKET	161 HP D	232,381	53.84	15.31	18.29	6.16	4.62
	H25HI010	EX270LC	1.34 CY BUCKET, LONG CARRIAGE	161 HP D	239,545	55.29	15.78	18.85	6.35	4.62
	H25HI011	EX400	2.40 CY BUCKET	275 HP D	353,996	83.20	23.32	27.86	9.39	7.90
	H25HI012	EX400LC	2.40 CY BUCKET, LONG CARRIAGE	275 HP D	351,170	82.62	23.13	27.64	9.31	7.90
			INSLEY							
	H25IS003	H-1000C	1.25 CY BUCKET	175 HP D	174,280	42.52	11.48	13.72	4.62	5.02
	H25IS004	H-1500C	1.75 CY BUCKET	255 HP D	269,451	65.14	17.76	21.21	7.15	7.32
	H25IS005	H-2500C	2.25 CY BUCKET	300 HP D	323,717	78.00	21.33	25.48	8.59	8.61
			JOHN DEERE							
	H25JD009	792	1.50 CY BUCKET	180 HP D	185,849	45.09	12.25	14.63	4.93	5.17
	H25JD010	892D-LC	1.75 CY BUCKET, LONG CARRIAGE	195 HP D	199,463	48.47	13.14	15.70	5.29	5.60
	H25JD011	990	2.13 CY BUCKET	260 HP D	282,212	67.94	18.60	22.21	7.49	7.46
			KOMATSU							
	H25KM003	PC 200 LC-3	1.05 CY BUCKET, LONG CARRIAGE	118 HP D	154,386	36.20	10.17	12.15	4.09	3.39
	H25KM004	PC 220-3	1.31 CY BUCKET	148 HP D	180,880	42.81	11.92	14.24	4.80	4.25
	H25KM005	PC 300 LC-3	1.73 CY BUCKET, LONG CARRIAGE	197 HP D	246,438	58.14	16.24	19.39	6.54	5.66
			KOERRING							
	H25KO003	6620	1.05 CY BUCKET	126 HP D	149,125	35.45	9.83	11.74	3.96	3.62
	H25KO004	6625 LC	1.20 CY BUCKET, LONG CARRIAGE	160 HP D	183,815	43.89	12.12	14.47	4.88	4.59
	H25KO005	6633	1.57 CY BUCKET	212 HP D	219,463	53.22	14.46	17.27	5.82	6.09
	H25KO006	6644	2.00 CY BUCKET	253 HP D	346,212	80.73	22.81	27.25	9.18	7.26
			MDI/YUTANI							
	H25MD003	MD240BLC	1.750 CY BUCKET, LONG CARRIAGE	153 HP D	198,814	46.66	13.10	15.65	5.27	4.39
	H25MD004	MD300LC	1.875 CY BUCKET, LONG CARRIAGE	184 HP D	238,198	55.94	15.70	18.75	6.32	5.28

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	245,332	59.11	16.17	19.31	6.51	6.52
	H25MD006	MD400LC	2.375 CY BUCKET, LONG CARRIAGE	247 HP D	344,688	80.17	22.71	27.13	9.14	7.09
	H25MD007	MD450BLC	2.370 CY BUCKET, LONG CARRIAGE	286 HP D	351,211	83.06	23.14	27.64	9.32	8.21
	.13		OVER 2-1/2 CY THRU 5 CY							
			AKERMAN							
	H25AK006	H25C	3.40 CY BUCKET	386 HP D	530,555	124.19	31.93	37.14	13.36	11.08
			BADGER							
	H25BA005	1900	4.50 CY BUCKET	616 HP D	679,800	163.39	40.92	47.59	17.12	17.69
			CATERPILLAR							
	H25CA008	245B	3.125 CY BUCKET	360 HP D	562,382	129.92	33.85	39.37	14.16	10.34
			HITACHI							
	H25HI013	UH261	3.38 CY BUCKET	476 HP D	554,027	132.25	33.34	38.78	13.95	13.67
			INSLEY							
	H25IS006	H-3500C	3.50 CY BUCKET	400 HP D	453,198	108.54	27.27	31.72	11.41	11.48
			KOMATSU							
	H25KM006	PC 650-3	3.70 CY BUCKET	404 HP D	640,916	147.84	38.57	44.86	16.14	11.60
			KOEHRING							
	H25KO007	1066	3.00 CY BUCKET	420 HP D	618,701	143.77	37.24	43.31	15.58	12.06
	.14		OVER 5 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		
B25			HYDRAULIC EXCAVATORS, CRAWLER MTD							
	.14		OVER 5 CY							
			HITACHI							
	H25HI014	UH501	5.25 CY BUCKET	538 HP D	669,995	147.09	36.76	40.20	16.66	15.45
	H25HI015	EX1000	5.4 CY BUCKET	512 HP D	737,161	158.98	40.45	44.23	18.33	14.70
B30			HYDRAULIC EXCAVATORS, WHEEL MTD							
	.01		0 THRU 1 CY							
			AKERMAN							
	H30AK001	H7MC	.95 CY BUCKET, 4X4	145 HP D	181,607	43.09	13.80	17.71	4.94	4.54
			BADGER							
	H30BA001	300	.5 CY BUCKET, HYDRO-SCOPIC, 6X4 (WITH CARRIER ENGINE)	85 HP D 200 HP D	155,041	37.42	11.55	14.66	4.22	4.25
	H30BA002	888	1.0 CY BUCKET, HYDRO-SCOPIC, 6X4 (WITH CARRIER ENGINE)	160 HP D 230 HP D	255,665	61.27	19.37	24.84	6.95	6.83
			CATERPILLAR							
	H30CA001	206	.59 CY BUCKET	71 HP D	107,359	24.87	8.05	10.26	2.92	2.22
	H30CA002	212	.77 CY BUCKET	94 HP D	131,453	30.75	9.84	12.54	3.57	2.94
	H30CA003	214	.95 CY BUCKET	102 HP D	145,500	33.95	10.92	13.92	3.96	3.19
			GRADALL							
	H30GA001	G3W	.50 CY BUCKET (WITH CARRIER ENGINE)	125 HP D 205 HP D	153,309	38.76	11.52	14.69	4.17	5.54
	H30GA002	G660E	.50 CY BUCKET, TELESCOPIC BOOM (WITH CARRIER ENGINE)	177 HP D 210 HP D	205,001	51.54	15.46	19.77	5.57	7.21
	H30GA003	G3WD	.625 CY BUCKET, 4X2, TELESCOPIC BOOM	143 HP D	124,120	31.35	9.36	11.95	3.38	4.48
	H30GA004	G3WD	.625 CY BUCKET, 4X4, TELESCOPIC BOOM	143 HP D	137,595	34.08	10.36	13.23	3.74	4.48
	.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	CPC			
H30			HYDRAULIC EXCAVATORS, WHEEL MTD								
	.02		OVER 1 CY								
			AKERMAN								
	H30AK002	H10MB	1.40 CY BUCKET, 4X4	166 HP D	197,780	43.58	13.30	16.46	5.07	5.20	414
			CATERPILLAR								
	H30CA004	224	1.18 CY BUCKET	124 HP D	184,202	39.33	12.31	15.16	4.73	3.88	443
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	766,487	148.49	39.00	40.24	18.88	14.70	2,060
	H35HI002	EX1800	13.5 CY BUCKET, SHOVEL	920 HP D	1,240,530	243.58	63.13	65.13	30.56	26.41	3,860
	H35HI003	EX3500	23.5 CY BUCKET, SHOVEL	1660 HP D	2,878,116	548.22	146.44	151.10	70.89	47.66	7,230
	.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		ADJUSTABLE OWNERSHIP ELEMENTS		FUEL	CWT																	
						AVERAGE	STANDBY	DEPR	CFC																			
L10	LAND CLEARING EQUIPMENT																											

BALDERSON																												
L10BS001	BHTS 30	HYDR. TREE SHEAR FOR 953 LOADER			21,241	6.03	1.63	2.09	0.58	0.00	41																	
L10BS002	BMA8	MULTIAPPLICATION RAKE FOR D8L TRCTR			19,293	5.42	1.48	1.90	0.53	0.00	70																	
L10BS003	BTXC973	CLAMP RAKE FOR 973 LOADER			25,953	7.18	1.99	2.55	0.71	0.00	59																	
L10BS004	BBL7	BLADE RAKE FOR D7H TRACTOR			8,518	2.51	0.65	0.84	0.23	0.00	24																	
L10BS005	BRK8	ROCK & ROOT RAKE FOR D8L TRACTOR			19,174	5.37	1.46	1.88	0.52	0.00	72																	
L10BS006	VT8	V-TREE CUTTER FOR D8L TRACTOR			29,185	8.13	2.23	2.87	0.79	0.00	127																	
L10BS007		LOGGING FORK FOR 988 LOADER			35,407	9.88	2.70	3.48	0.96	0.00	90																	
BUSH HOG																												
L10BU001	268RP	ROTARY CUTTER, 8' WIDTH, 2.5"-12" HT CENTER MOUNT (ADD 40HP TRACTOR)			4,300	1.94	0.33	0.42	0.12	0.00	13																	
L10BU002	1310SW	ROTARY CUTTER, 10.5' WIDTH, 2"-12"HT STRAIGHT BLADE (ADD 50HP TRACTOR)			8,335	3.71	0.64	0.82	0.23	0.00	30																	
L10BU003	1315SW	ROTARY CUTTER, 15' WIDTH, 2"-12"HT STRAIGHT BLADE (ADD 60HP TRACTOR)			11,313	5.00	0.87	1.11	0.31	0.00	32																	
L10BU004	1220SW	ROTARY CUTTER, 20' WIDTH, 2"-12"HT STRAIGHT BLADE (ADD 70HP TRACTOR)			14,099	6.24	1.08	1.39	0.38	0.00	48																	
L10BU005	SM-60	ROTARY CUTTER, SIDE MOUNT, 5' WIDTH MIN TRACTOR LIFT CAP - 3200# @ 24"			5,865	2.66	0.45	0.58	0.16	0.00	16																	
L10BU006	FM60-01	FLAIL MOWER, 57" WIDE, 4" HT, 1"CAP (ADD 15-40 HP TRACTOR)			1,980	1.22	0.15	0.19	0.05	0.00	7																	
L10BU007	FM72-01	FLAIL MOWER, 68" WIDE, 4" HT, 1"CAP (ADD 15-40 HP TRACTOR)			2,102	1.36	0.17	0.21	0.06	0.00	7																	
L10BU008	FH60-01	FLAIL MOWER, 57" WIDE, 0-3"HT, 2"CAP (ADD 30-60 HP TRACTOR)			2,273	1.40	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)			2,385	1.52	0.18	0.23	0.06	0.00	7																	
CHIPMORE																												
L10CI001	B18SP-R	STUMP CUTTER, 15" REAR WHEEL CUTTER	18 HP G		4,937	2.99	0.38	0.49	0.13	1.29	4																	
VERMEER																												
L10VE001	206	STUMPER, 16" DIA WHEEL, TRAILER MTD	19 HP G		6,300	3.43	0.47	0.60	0.17	1.37	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			LAND CLEARING EQUIPMENT								
			VERMEER								
	L10VE002	630B	STUMPER, 18" DIA WHEEL, TRAILER MTD	34 HP G	6,742	4.96	0.51	0.65	0.18	2.45	16
	L10VE003	665A	STUMPER, 28" DIA WHEEL, TRAILER MTD	62 HP G	18,186	10.62	1.39	1.77	0.50	4.46	34
	L10VE004	2465	STUMPER, 36" DIA WHEEL, TRAILER MTD	62 HP G	28,684	13.39	2.18	2.80	0.78	4.46	49
	L10VE005	TS-30	TREE SPADE, 30" DIAMETER, 24" DEPTH	13 HP G	12,931	4.63	0.98	1.25	0.35	0.93	38
			TRAILER MOUNTED								
	L10VE006	TS-44A	TREE SPADE, 44" DIAMETER, 40" DEPTH	13 HP G	17,170	5.76	1.31	1.67	0.47	0.93	66
			TRAILER MOUNTED								
	L10VE007	TS-50M	TREE SPADE, 50" DIAMETER, 48" DEPTH (ADD 13,800 GVW TRUCK)		17,077	6.03	1.31	1.68	0.47	0.00	81
	L10VE008	TS-84-T	TREE SPADE, 84" DIAMETER, 54" DEPTH (ADD 34,000 GVW TRUCK)		57,715	18.29	4.41	5.67	1.57	0.00	271
L15			LAWN MOWERS								
			EXCEL								
	L15EX001	HUSTLER 275	60" 3-WAY DECK	23 HP G	12,445	8.41	1.65	2.56	0.37	2.21	21
	L15EX002	HUSTLER 320	72" STANDARD ROTARY MOWER DECK	22 HP D	13,953	7.43	1.86	2.87	0.42	0.86	24
	L15EX003	HUSTLER-320WING	72" STD DK W/RIGHT WING - 47" CUT	23 HP D	16,446	8.62	2.19	3.39	0.49	0.90	25
	L15EX004	HUSTLER 340	72" STANDARD ROTARY MOWER DECK	28 HP D	15,511	8.43	2.06	3.20	0.46	1.10	24
	L15EX005	HUSTLER 400	72" STANDARD ROTARY MOWER DECK	34 HP G	14,319	10.59	1.91	2.95	0.43	3.27	24
	L15EX006	HUSTLER 440	72" STANDARD ROTARY MOWER DECK	43 HP G	15,095	12.01	2.01	3.11	0.45	4.14	24
	L15EX007	HUSTLER 440WING	72" STD DECK W/L&R WINGS - 12'2" CUT	43 HP G	17,735	13.22	2.36	3.66	0.53	4.14	25
	L15EX008	HUSTLER 640	72" HEAVY DUTY DUAL-TRIM DECK	29 HP D	26,970	13.70	3.58	5.54	0.81	1.14	37
	L15EX009	HI-LIFT BAC-VAC	72" LAWN VACUUM, STD DECK, 15 BU CAP. (ADD MOWER MODEL 400)	43 HP G	17,403	13.08	2.32	3.60	0.52	4.14	25
			TORO								
	L15TO001	22525	21" REAR BAGGER - PUSH MOWER	5 HP G	709	0.93	0.10	0.15	0.02	0.48	1
	L15TO002	56150	32" RIDING MOWER	8 HP G	1,737	1.71	0.21	0.32	0.05	0.77	4
	L15TO003	30754	44" DECK GROUNMASTER-117 TRACTOR	17 HP G	6,138	4.80	0.80	1.24	0.18	1.64	9
	L15TO004	30754	52" DECK W/GROUNMASTER-117 TRACTOR	17 HP G	6,438	4.94	0.84	1.30	0.19	1.64	9
	L15TO005	30794	62" DECK W/GROUNMASTER-220D TRACTR	21 HP D	13,393	7.13	1.78	2.76	0.40	0.82	13

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		
L15			LAWN MOWERS							
			TORO							
	L15TO006	30790	62" DECK W/GROUNDMASTER-220 TRACTOR	20 HP G	11,026	7.41	1.46	2.26	0.33	1.93
	L15TO007	30790	72" DECK W/GROUNDMASTER-220 TRACTOR	20 HP G	11,652	7.70	1.55	2.39	0.35	1.93
	L15TO008	30794	72" DECK W/GROUNDMASTER-220D TRACTR	21 HP D	14,037	7.42	1.87	2.89	0.42	0.82
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	16,378	6.50	1.18	1.44	0.46	0.61
	L20AB002	MAXI-LITE IIICE	6.0KW 4/1000W, W/GEN SET CABLE ELECTRIC MAST, TRLR MTD	15 HP D	15,118	6.05	1.09	1.33	0.42	0.61
	L20AB003	SUNDOWNER 1800	2.5 KW 2/1000W, W/GEN SET, TRLR MTD	5 HP D	9,719	3.63	0.69	0.84	0.27	0.20
	L20AB004	NITE-LITE 2	2.5 KW 2/1000W, W/GEN SET, TRLR MTD	5 HP D	7,345	2.80	0.52	0.62	0.21	0.20
	L20AB005	NITE-LITE 4	5.0 KW 2/1000W, W/GEN SET, TRLR MTD	10 HP D	10,594	4.21	0.76	0.92	0.30	0.41
	L20AB006	1800 SERIES	FLASHING ARROW, TRLR MTD, 25 LIGHT	5 HP G	4,564	2.19	0.32	0.37	0.13	0.51
	L20AB007	1800 SERIES	FLASHING ARROW, TRLR MTD, 25 LIGHT	5 HP D	5,550	2.17	0.39	0.46	0.16	0.20
	L20AB008	2000 SERIES	FLASHING ARROW, TRLR MTD, 25 LIGHT	5 HP G	4,083	2.01	0.27	0.32	0.11	0.51
	L20AB009	2000 SERIES	FLASHING ARROW, TRLR MTD, 25 LIGHT	5 HP D	5,092	1.99	0.35	0.41	0.14	0.20
	L20AB010	2200 SERIES	FLASHING ARROW, TRLR MTD, 25 LIGHT SOLAR ASSIST	5 HP E	6,272	2.80	0.44	0.52	0.18	0.43
	L20AB011	2200 SERIES	FLASHING ARROW, TRLR MTD, 25 LIGHT RECHARGEABLE	5 HP E	4,366	2.12	0.30	0.35	0.12	0.43
			AMIDA							
	L20AI001	MITI-LITE 500-4	4.0KW, 4/500W, W/GEN TRAILER MTD	4 HP G	4,767	2.17	0.34	0.42	0.13	0.41
	L20AI002	SL4060D-4	6.0KW, 4/1000W, W/GEN TRAILER MTD	11 HP D	13,371	5.28	0.98	1.20	0.38	0.45
	L20AI003	LT5080D-4	6.0KW, 4/1000W, W/GEN TRAILER MTD MANUAL-CABLE WINCH RAISED MAST	16 HP D	15,375	6.24	1.13	1.39	0.43	0.65
	L20AI004	LT7080D-6	8.0KW, 6/1000W, W/GEN TRAILER MTD HYDRAULIC RAISED MAST	16 HP G	20,060	9.10	1.47	1.81	0.56	1.63

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								
L25 LINE STRIPING EQUIPMENT																

M-B																

	L25MB001	3-10	WALK BEHIND STRIPER	4 HP G	2,944	2.16	0.22	0.27	0.08	0.41						
	L25MB002	5-10	WALK BEHIND STRIPER	6 HP G	3,736	2.90	0.27	0.34	0.10	0.61						
	L25MB003	6-28	INTERMEDIATE LINE STRIPER	10 HP G	10,457	5.71	0.77	0.95	0.29	1.02						
	L25MB004	VANMARK 360	PAVING STRIPER WITH 11,000# GVW TRK	190 HP G	75,573	48.78	5.53	6.81	2.12	19.40						
L30 LOADERS, BELT																

KOLMAN																

	L30KL001	101-XHD	24" X 50' - 355 TON/HR	10 HP D	25,904	6.51	1.62	1.86	0.69	0.31						
	L30KL002	MODEL 45	PLATE FEEDER DOZER TRAP	5 HP D	7,649	1.96	0.50	0.60	0.20	0.16						
	L30KL003		BELT FEEDER DOZER TRAP	3 HP D	9,845	2.38	0.65	0.77	0.26	0.09						
	L30KL004		WING WALLS STATIONARY		1,515	0.35	0.10	0.12	0.04	0.00						
	L30KL005		TUNNEL EXTENSION WITH BACKBOARDS		7,662	1.76	0.50	0.60	0.20	0.00						
	L30KL006	SB-70	SINGLE DECK SCREEN, 7' X 42"	3 HP D	5,950	1.49	0.40	0.47	0.16	0.09						
	L30KL007	DC-70-42	DOUBLE DECK SCREEN, 7' X 42"	5 HP D	8,076	2.05	0.53	0.63	0.21	0.16						
	L30KL008	TC-70-42	TRIPLE DECK SCREEN, 7' X 42"	5 HP D	11,396	2.82	0.75	0.89	0.30	0.16						
	L30KL009	XHD	CONVEYOR JACKLEG		1,166	0.27	0.08	0.09	0.03	0.00						
	L30KL010	101-XHD	30" X 50' - 615 TON/HR	20 HP D	27,320	7.25	1.72	1.97	0.73	0.63						
	L30KL011	MODEL 45	PLATE FEEDER DOZER TRAP	8 HP D	8,975	2.38	0.59	0.70	0.24	0.25						
	L30KL012		BELT FEEDER DOZER TRAP	5 HP D	10,889	2.70	0.72	0.85	0.29	0.16						
	L30KL013		WING WALLS STATIONARY		1,515	0.35	0.10	0.12	0.04	0.00						
	L30KL014		TUNNEL EXTENSION WITH BACKBOARDS		7,662	1.76	0.50	0.60	0.20	0.00						
	L30KL015	SB-80	SINGLE DECK SCREEN, 8' X 48"	3 HP D	7,223	1.78	0.48	0.57	0.19	0.09						
	L30KL016	DC-80-48	DOUBLE DECK SCREEN, 8' X 48"	5 HP D	9,894	2.48	0.65	0.78	0.26	0.16						
	L30KL017	TC-80-48	TRIPLE DECK SCREEN, 8' X 48"	8 HP D	13,371	3.40	0.89	1.05	0.36	0.25						
	L30KL018	XHD	CONVEYOR JACKLEG		1,166	0.27	0.08	0.09	0.03	0.00						
	L30KL019	101-XHD	36" X 50' - 910 TON/HR	30 HP D	32,946	8.93	2.09	2.41	0.88	0.94						
	L30KL020	MODEL 45	PLATE FEEDER DOZER TRAP	9 HP D	9,495	2.54	0.62	0.74	0.25	0.28						
	L30KL021		BELT FEEDER DOZER TRAP	7 HP D	11,782	2.99	0.77	0.92	0.31	0.22						
	L30KL022		WING WALLS STATIONARY		1,515	0.35	0.10	0.12	0.04	0.00						
	L30KL023		TUNNEL EXTENSION WITH BACKBOARDS		7,662	1.76	0.50	0.60	0.20	0.00						
	L30KL024	SB-90	SINGLE DECK SCREEN, 9' X 54"	5 HP D	8,171	2.08	0.54	0.64	0.22	0.16						
	L30KL025	DC-90-54	DOUBLE DECK SCREEN, 9' X 54"	8 HP D	11,276	2.91	0.74	0.88	0.30	0.25						

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 HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT															
					AVERAGE	STANDBY	DEPR	CFC																	
L35	LOADERS, FRONT END, CRAWLER TYPE																								

CATERPILLAR																									

L35CA001 931C 1.0 CY																									
L35CA002 931C LGP 1.0 CY																									
L35CA003 935C 1.3 CY																									
L35CA004 943 1.5 CY																									
L35CA005 953 2.0 CY																									
L35CA006 963 2.5 CY																									
L35CA007 973 3.75 CY																									
L35CS001 455C 1.00 CY, POWERSHIFT																									
L35CS002 855D 1.50 CY, POWERSHIFT/TC																									
L35CS003 1155E 2.00 CY, POWERSHIFT/TC																									
L35CS004 1455B 2.25 CY, POWERSHIFT																									
FIATALLIS																									

L35FI001 FL5B 1.00 CY, POWERSHIFT																									
L35FI002 FL7B 1.50 CY, POWERSHIFT/TC																									
L35FI003 FL10E 2.20 CY, POWERSHIFT/TC																									
L35FI004 FL14E 2.75 CY, POWERSHIFT																									
L35FI005 FL20 3.50 CY, POWERSHIFT																									
INTERNATIONAL/DRESSER																									

L35ID001 100G 1.13 CY, POWERSHIFT																									
L35ID002 125G 1.38 CY, POWERSHIFT																									
L35ID003 175C 2.00 CY, POWERSHIFT																									
L35ID004 200 2.60 CY, POWERSHIFT																									
L35ID005 250E 3.25 CY, POWERSHIFT																									
JOHN DEERE																									

L35JD001 350D .75 CY																									
L35JD002 455G 1.25 CY																									
L35JD003 555G 1.50 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		
L35	LOADERS, FRONT END, CRAWLER TYPE									
	JOHN DEERE									
	L35JD004	655B	2.00 CY	120 HP D	101,533	33.18	6.69	8.00	2.69	4.07
	L35JD005	755B	2.25 CY	140 HP D	115,002	37.78	7.58	9.06	3.05	4.75
	KOMATSU									
	L35KM001	D31S-18	1.30 CY, HYDROSHIFT	70 HP D	75,194	23.70	4.96	5.93	1.99	2.38
	L35KM002	D41S-3	1.60 CY, HYDROSHIFT	90 HP D	107,636	33.43	7.09	8.48	2.85	3.05
	L35KM003	D53S-17	2.00 CY, POWERSHIFT	110 HP D	146,750	44.99	9.67	11.56	3.89	3.73
	L35KM004	D57S-1	2.10 CY, POWERSHIFT	135 HP D	173,284	53.37	11.43	13.65	4.60	4.58
	L35KM005	D66S-1	2.80 CY, HYDROSTATIC	160 HP D	197,649	61.15	13.03	15.57	5.24	5.43
	L35KM006	D75S-5	3.30 CY, POWERSHIFT	200 HP D	252,269	77.87	16.63	19.88	6.69	6.79
L40	LOADERS, FRONT END, WHEEL TYPE									
	.10 ARTICULATED									
	.11 0 THRU 225 HP									
	CATERPILLAR									
	L40CA001	910	1-1/4 CY, ARTICULATED	65 HP D	59,814	14.72	3.73	4.17	1.64	2.04
	L40CA002	916	1-1/2 CY, ARTICULATED	85 HP D	79,702	19.33	5.01	5.63	2.19	2.66
	L40CA003	926E	2 CY, ARTICULATED	110 HP D	93,084	23.02	5.85	6.59	2.55	3.45
	L40CA004	936E	2-1/2 CY, ARTICULATED	135 HP D	119,311	29.96	7.37	8.20	3.27	4.23
	L40CA005	950-E	3 CY, ARTICULATED	160 HP D	150,547	37.43	9.29	10.31	4.13	5.01
	L40CA006	966-E	4 CY, ARTICULATED	216 HP D	208,431	52.37	12.72	13.99	5.72	6.77
	CASE									
	L40CS001	W-11B	1.00 CY, 4WD, ARTICULATED	69 HP D	49,154	12.89	3.05	3.39	1.35	2.16
	L40CS002	W-14B	1.50 CY, 4WD, ARTICULATED	90 HP D	64,977	16.85	4.05	4.53	1.78	2.82
	L40CS003	W-20C	2.00 CY, 4WD, ARTICULATED	110 HP D	95,438	24.18	5.88	6.52	2.62	3.45
	L40CS004	W-30	3.00 CY, 4WD, ARTICULATED	153 HP D	113,974	29.55	7.07	7.87	3.13	4.79

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				
L40			LOADERS, FRONT END, WHEEL TYPE									
	.11		0 THRU 225 HP									
			CASE									
	L40CS005	W-36	4.00 CY, 4WD, ARTICULATED	205 HP D	147,119	38.70	9.09	10.09	4.04	6.42	391	
			FIATALLIS									
	L40FI001	FR7B	1.38 CY, 4WD, PWRSHIFT/TC	71 HP D	62,464	15.47	3.90	4.37	1.71	2.22	153	
	L40FI002	FR9B	1.75 CY, 4WD, PWRSHIFT/TC	90 HP D	73,932	18.53	4.63	5.19	2.03	2.82	172	
	L40FI003	FR10B	2.00 CY, 4WD, PWRSHIFT/TC	110 HP D	82,878	21.26	5.17	5.79	2.27	3.45	206	
	L40FI004	FR11	2.25 CY, 4WD, PWRSHIFT/TC	125 HP D	96,380	24.46	6.03	6.78	2.64	3.92	246	
	L40FI005	FR12B	2.62 CY, 4WD, PWRSHIFT/TC	140 HP D	105,892	27.51	6.53	7.26	2.90	4.38	270	
	L40FI006	FR15B	3.25 CY, 4WD, PWRSHIFT/TC	185 HP D	144,001	37.41	8.85	9.79	3.95	5.79	328	
			FORD/NEW HOLLAND									
	L40FN001	340B	16 CF		48 HP D	25,948	7.22	1.62	1.81	0.71	1.50	66
	L40FN002	445A	3/4 CY		48 HP D	29,606	7.95	1.84	2.06	0.81	1.50	73
	L40FN003	545A	3/4 CY		60 HP D	33,353	9.24	2.07	2.32	0.91	1.88	75
	L40FN004	555B	1 CY		63 HP D	36,063	10.04	2.22	2.45	0.99	1.97	80
			FURUKAWA									
	L40FU001	FL120-1	1.75 CY, 4WD		80 HP D	80,907	19.55	5.04	5.64	2.22	2.51	179
	L40FU002	FL150-1	2.00 CY, 4WD		102 HP D	94,528	23.08	5.91	6.64	2.59	3.19	213
	L40FU003	FL200-1	2.60 CY, 4WD		140 HP D	119,477	30.00	7.42	8.28	3.28	4.38	299
	L40FU004	FL230-1	3.10 CY, 4WD		160 HP D	142,078	35.13	8.87	9.93	3.90	5.01	311
	L40FU005	FL330-1	4.30 CY, 4WD		217 HP D	195,911	48.88	12.11	13.48	5.37	6.80	435
			INTERNATIONAL/DRESSER									
	L40ID001	510B	1.37 CY, ARTICULATED FRAME		80 HP D	63,579	16.08	3.97	4.45	1.74	2.51	157
	L40ID002	515B	1.63 CY, ARTICULATED FRAME		105 HP D	78,882	20.28	4.91	5.49	2.16	3.29	187
	L40ID003	520B	2.25 CY, ARTICULATED FRAME		120 HP D	93,527	23.71	5.86	6.57	2.57	3.76	232
	L40ID004	530	2.75 CY, ARTICULATED FRAME		165 HP D	138,451	34.68	8.64	9.67	3.80	5.17	291
	L40ID005	540	3.75 CY, ARTICULATED FRAME		205 HP D	194,336	47.96	12.04	13.41	5.33	6.42	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	O THRU 225 HP								
			JOHN DEERE							
	L40JD001	344E	1.63 CY, 4WD, ARTICULATED	75 HP D	59,562	15.11	3.71	4.15	1.63	2.35
	L40JD002	444E	1.75 CY, 4WD, ARTICULATED	95 HP D	67,250	17.50	4.19	4.70	1.84	2.98
	L40JD003	544E	2.25 CY, 4WD, ARTICULATED	115 HP D	78,986	20.59	4.95	5.56	2.17	3.60
	L40JD004	644E	3.25 CY, 4WD, ARTICULATED	160 HP D	115,209	29.95	7.17	8.01	3.16	5.01
			KAWASAKI							
	L40KA001	KSS65ZII	2.30 CY, 4WD, ARTICULATED	108 HP D	88,216	22.17	5.51	6.18	2.42	3.38
	L40KA002	KSS70ZII	3.25 CY, 4WD, ARTICULATED	158 HP D	123,976	31.65	7.71	8.61	3.40	4.95
	L40KA003	KSS80ZII	3.75 CY, 4WD, ARTICULATED	165 HP D	133,205	33.76	8.28	9.26	3.65	5.17
			MICHIGAN / VME							
	L40MC001	L30	1.0 CY BUCKET	74 HP D	62,244	15.42	3.88	4.33	1.71	2.32
	L40MC002	L50	1.5 CY BUCKET	82 HP D	90,527	21.07	5.68	6.40	2.48	2.57
	L40MC003	L70	2.0 CY BUCKET	110 HP D	107,528	25.61	6.75	7.59	2.95	3.45
	L40MC004	L90	2.5 CY BUCKET	145 HP D	139,123	33.47	8.68	9.72	3.82	4.54
	L40MC005	L120	3.1 CY BUCKET	190 HP D	174,872	42.71	10.83	12.05	4.80	5.95
	L40MC006	L140	4.0 CY BUCKET	203 HP D	211,549	50.16	13.17	14.74	5.80	6.36
			MASSEY FERGUSON							
	L40MF001	MF30E	.75 CY	45 HP D	35,548	8.93	2.23	2.50	0.98	1.41
	L40MF002	MF50E	1.05 CY	65 HP D	40,018	10.72	2.50	2.80	1.10	2.04
	L40MF003	MF50HX/SERIES S	1.05 CY	74 HP D	42,590	11.67	2.65	2.95	1.17	2.32
			MITSUBISHI							
	L40MI001	WS200A	.50 CY, 4WD, ARTICULATED	26 HP D	33,578	7.81	2.09	2.33	0.92	0.81
	L40MI002	WS400	1.00 CY, 4WD, ARTICULATED	50 HP D	49,824	12.18	3.09	3.44	1.37	1.57
	L40MI003	WS500	1.00 CY, 4WD, ARTICULATED	55 HP D	53,853	13.14	3.35	3.73	1.48	1.72
			TEREX							
	L40TE001	60C	3.25 CY, 4WD ARTICULATED-POWERSHIFT	160 HP D	135,476	34.60	8.32	9.20	3.72	5.01

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		
L40 LOADERS, FRONT END, WHEEL TYPE										
	.11	O THRU 225 HP								
		TROJAN/O & K								
	L40TR001	1500Z	1.75 CY, 4WD, ARTICULATED, PWRSHIFT	93 HP D	75,232	19.06	4.68	5.23	2.06	2.91
	L40TR002	1700Z	2.25 CY, 4WD, ARTICULATED, PWRSHIFT	110 HP D	76,875	20.14	4.79	5.35	2.11	3.45
	L40TR003	1900Z	2.50 CY, 4WD, ARTICULATED, PWRSHIFT	119 HP D	90,505	23.10	5.66	6.35	2.48	3.73
	L40TR004	2000Z	3.00 CY, 4WD, ARTICULATED, PWRSHIFT	171 HP D	116,077	30.75	7.20	8.03	3.18	5.36
	L40TR005	3500Z	3.75 CY, 4WD, ARTICULATED, PWRSHIFT	185 HP D	141,849	37.00	8.71	9.63	3.89	5.79
	.12	OVER 225 HP								
		CATERPILLAR								
3-67	L40CA007	980-C	5-1/4 CY, ARTICULATED	270 HP D	273,630	61.88	15.81	17.83	6.89	8.46
	L40CA008	988-B	7 CY, ARTICULATED	375 HP D	411,055	89.62	23.48	26.25	10.35	11.75
	L40CA009	992-C	13-1/2 CY, ARTICULATED	690 HP D	833,233	181.10	47.07	52.17	20.98	21.61
		FIATALLIS								
	L40FI007	FR20B	4.00 CY, 4WD, PWRSHIFT/TC	230 HP D	208,251	49.28	11.87	13.25	5.24	7.20
	L40FI008	FR35	7.00 CY, 4WD, PWRSHIFT/TC	350 HP D	318,720	73.80	18.38	20.69	8.03	10.96
		INTERNATIONAL/DRESSER								
	L40ID006	550	5.50 CY, ARTICULATED	315 HP D	288,534	66.21	16.71	18.87	7.27	9.87
	L40ID007	560B	7.50 CY, ARTICULATED	415 HP D	412,160	92.10	24.00	27.23	10.38	13.00
	L40ID008	570	12.0 CY, ARTICULATED	590 HP D	747,950	157.50	43.15	48.61	18.84	18.48
	L40ID009	580	22.0 CY, ARTICULATED	1100 HP D	1,670,964	343.37	96.28	108.40	42.08	34.45
		JOHN DEERE								
	L40JD005	844	5.00 CY, 4WD, ARTICULATED	260 HP D	204,036	49.81	11.62	12.96	5.14	8.14
		KAWASAKI								
	L40KA004	KSS85ZII	4.25 CY, 4WD, ARTICULATED	226 HP D	183,247	42.67	10.66	12.10	4.61	7.08
	L40KA005	KSS95ZII	6.00 CY, 4WD, ARTICULATED	310 HP D	249,256	59.42	14.34	16.12	6.28	9.71
	L40KA006	KSS110ZII	7.50 CY, 4WD, ARTICULATED	383 HP D	386,090	84.86	22.19	24.93	9.72	12.00

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	CPC																	
L40	LOADERS, FRONT END, WHEEL TYPE																								
.12 OVER 225 HP																									
MICHIGAN / VME																									
3-68	L40MC007	L160	5.00 CY, 4WD, ARTICULATED	252 HP D	239,903	53.98	13.78	15.47	6.04	7.89	448														
	L40MC008	L190	5.25 CY, 4WD, ARTICULATED, PS/TC	290 HP D	279,129	61.12	15.87	17.68	7.03	9.08	549														
	L40MC009	L270	7.00 CY, 4WD, ARTICULATED, PS/TC	360 HP D	408,246	85.80	23.57	26.57	10.28	11.28	826														
	L40MC010	L320	8.00 CY, 4WD, ARTICULATED, PS/TC	417 HP D	444,982	94.99	25.53	28.63	11.21	13.06	873														
	L40MC011	L480	12.5 CY, 4WD, ARTICULATED, PS/TC	650 HP D	778,567	165.34	43.78	48.34	19.61	20.36	1,634														
	L40MC012	L480T	12.5 CY BUCKET, TURBO TRANSMISSION	679 HP D	846,935	177.98	47.90	53.13	21.33	21.27	1,634														
	TEREX																								
	L40TE002	70C	4.50 CY, 4WD ARTICULATED, POWERSHIFT	247 HP D	195,906	45.30	11.47	13.08	4.93	7.74	425														
	L40TE003	80C	6.00 CY, 4WD ARTICULATED, POWERSHIFT	315 HP D	276,104	64.12	15.95	18.00	6.95	9.87	579														
	L40TE004	85B	8.00 CY, 4WD ARTICULATED, POWERSHIFT	388 HP D	364,509	81.44	20.89	23.41	9.18	12.15	956														
	L40TE005	90C	8.50 CY, 4WD ARTICULATED, POWERSHIFT	460 HP D	427,266	95.80	24.46	27.39	10.76	14.41	978														
	TROJAN/O & K																								
.20	L40TR006	4500Z	4.50 CY, 4WD ARTICULATED, POWERSHIFT	231 HP D	179,963	42.32	10.47	11.87	4.53	7.23	434														
	L40TR007	5500Z	5.50 CY, 4WD ARTICULATED, POWERSHIFT	294 HP D	250,159	58.92	14.40	16.19	6.30	9.21	602														
	L40TR008	7500	7.00 CY, 4WD ARTICULATED, POWERSHIFT	400 HP D	331,335	76.04	18.96	21.24	8.34	12.53	850														
	SKID STEER																								
	MELROE / BOBCAT																								
	L40ME001	440B	6 CWT, 36" BUCKET	16 HP G	7,353	3.71	0.56	0.74	0.19	1.34	21														
	L40ME002	443	6 CWT, 44" BUCKET	15 HP D	11,226	3.65	0.87	1.14	0.30	0.51	24														
	L40ME003	543	8 CWT, 48" BUCKET	22 HP D	14,358	4.77	1.12	1.48	0.38	0.75	33														
	L40ME004	642B	10 CWT, 54" BUCKET	32 HP G	13,819	7.12	1.07	1.42	0.36	2.67	38														
	L40ME005	643	10 CWT, 54" BUCKET	28 HP D	16,653	5.67	1.30	1.72	0.44	0.95	39														
	L40ME006	742	13 CWT, 60" BUCKET	34 HP G	17,998	8.41	1.40	1.86	0.47	2.84	45														
	L40ME007	743	13 CWT, 60" BUCKET	36 HP D	19,272	6.72	1.51	1.99	0.51	1.22	46														
	L40ME008	843	17 CWT, 60" BUCKET	54 HP D	24,812	9.12	1.90	2.50	0.65	1.83	63														
	L40ME009	943	24 CWT, 66" BUCKET	74 HP D	31,082	11.71	2.39	3.14	0.82	2.51	98														
	L40ME010	974	37 CWT, 84" BUCKET	78 HP D	45,642	16.03	3.42	4.44	1.20	2.65	121														
	L40ME011	975	37 CWT, 84" BUCKET	82 HP D	46,476	16.45	3.50	4.53	1.23	2.78	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	68,317	16.73	4.27	4.80	1.87	2.04
	L40CA011	IT18B	INTEGRATED TOOL CARRIER	95 HP D	86,747	21.68	5.44	6.12	2.38	2.98
	L40CA012	IT28B	INTEGRATED TOOL CARRIER	110 HP D	97,832	24.50	6.15	6.94	2.68	3.45
	.32		OVER 225 HP							
			MICHIGAN / VME							
	L40MC013	L160 HIGH-LIFT	2.8 SQ METER GRAPPLE ARMS	252 HP D	316,337	68.34	18.38	20.82	7.97	7.89
L45			LOADERS w/ BACKHOE, CRAWLER TYPE							
			CATERPILLAR							
	L45CA001	931C	1.00 CY FE BUCKET W/30" B/H DIPPER	67 HP D	74,209	23.28	4.90	5.85	1.97	2.27
L50			LOADERS w/ BACKHOE, WHEEL TYPE							
			CATERPILLAR							
	L50CA001	416	1.00 CY FE BUCKET W/24" B/H DIPPER	62 HP D	53,969	13.63	3.38	3.79	1.48	1.94
	L50CA002	426	1.25 CY FE BUCKET W/30" B/H DIPPER	70 HP D	60,241	15.21	3.78	4.25	1.65	2.19
	L50CA003	436	1.38 CY FE BUCKET W/30" B/H DIPPER	77 HP D	63,540	16.21	3.97	4.46	1.74	2.41
			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										
L50	LOADERS w/ BACKHOE, WHEEL TYPE																	

CASE																		
L50	L50CS001	480E	0.88 CY FE BUCKET W/24" B/H DIPPER	63 HP D	37,159	10.24	2.32	2.60	1.02	1.97	97							
	L50CS002	580K	1.00 CY FE BUCKET W/24" B/H DIPPER	63 HP D	49,852	12.85	3.12	3.49	1.37	1.97	130							
	L50CS003	680K	1.50 CY FE BUCKET W/30" B/H DIPPER	90 HP D	80,184	20.12	5.04	5.67	2.20	2.82	165							
	L50CS004	780D	1.75 CY FE BUCKET W/30" B/H DIPPER	112 HP D	90,483	23.17	5.67	6.37	2.48	3.51	198							
FORD/NEW HOLLAND																		
L50	L50FN001	340B	16 CF FE BUCKET W/24" B/H DIPPER	48 HP D	38,294	9.88	2.39	2.67	1.05	1.50	103							
	L50FN002	445A	0.75 CY FE BUCKET W/24" B/H DIPPER	48 HP D	42,513	10.66	2.68	3.01	1.17	1.50	114							
	L50FN003	545A	0.75 CY FE BUCKET W/24" B/H DIPPER	60 HP D	45,239	11.79	2.83	3.17	1.24	1.88	119							
	L50FN004	555B	1.00 CY FE BUCKET W/24" B/H DIPPER	63 HP D	50,664	12.99	3.17	3.56	1.39	1.97	135							
	L50FN005	655A	1.00 CY FE BUCKET W/24" B/H DIPPER	72 HP D	56,467	14.59	3.53	3.95	1.55	2.26	149							
	L50FN006	755A	1.50 CY FE BUCKET W/24" B/H DIPPER	100 HP D	80,909	20.64	5.09	5.74	2.22	3.13	167							
JOHN DEERE																		
L50	L50JD001	310C	1.00 CY FE BUCKET W/18" B/H DIPPER	65 HP D	43,016	11.54	2.69	3.01	1.18	2.04	125							
	L50JD002	410C	1.00 CY FE BUCKET W/18" B/H DIPPER	75 HP D	51,450	13.68	3.21	3.60	1.41	2.35	144							
	L50JD003	510C	1.25 CY FE BUCKET W/18" B/H DIPPER	85 HP D	61,664	16.18	3.86	4.33	1.69	2.66	154							
	L50JD004	610C	1.25 CY FE BUCKET W/24" B/H DIPPER	95 HP D	69,363	18.15	4.34	4.87	1.90	2.98	163							
	L50JD005	710C	1.50 CY FE BUCKET W/24" B/H DIPPER	100 HP D	87,715	22.24	5.46	6.10	2.41	3.13	225							
MASSEY FERGUSON																		
L50	L50MF001	MF50E	1.00 CY FE BUCKET W/24" B/H DIPPER	65 HP D	53,046	13.52	3.34	3.76	1.46	2.04	120							
	L50MF002	MF50EX	1.00 CY FE BUCKET W/24" B/H DIPPER	74 HP D	54,048	14.08	3.40	3.83	1.48	2.32	129							
	L50MF003	MF60H/SERIES S	1.05 CY FE BUCKET W/24" B/H DIPPER	74 HP D	60,245	15.43	3.76	4.22	1.65	2.32	137							
L55 LOADER/BACKHOE, ATTACHMENTS																		

KENT																		
L55	L55KN001	KB-555	AIR RAM W/NARROW CHISEL (ADD COMPR)	175 CFM A	5,872	2.69	0.56	0.77	0.17	0.00	6							
	L55KN002	KB-999	AIR RAM W/NARROW CHISEL (ADD COMPR)	250 CFM A	12,040	5.48	1.13	1.57	0.34	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 ELEMENTS 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	24,725	11.10	2.32	3.23	0.70	0.00
	L55KN004	KHP-12	HYDRA-PAK TAMPER, HYD, 21"W, 30"L, 27"H		5,010	2.09	0.47	0.65	0.14	0.00
	L55KN005	KHP225	HYDRA-PAK TAMPER, HYD, 27"W, 36"L, 31"H (ADD MIN .75 CY BACKHOE)		9,904	4.01	0.93	1.29	0.28	0.00
L60			LOG SKIDDER							
			CATERPILLAR							
	L60CA001	508	SKIDDER, CABLE, WITH 27,255# PULL	95 HP D	79,169	21.47	5.12	6.18	2.03	2.98
	L60CA002	508	SKIDDER, GRAPPLE WITH 27,225# PULL	95 HP D	94,564	24.68	6.17	7.48	2.43	2.98
	L60CA003	518	SKIDDER, CABLE WITH 32,000# PULL	120 HP D	90,340	24.79	5.88	7.12	2.32	3.76
	L60CA004	518	SKIDDER, GRAPPLE WITH 32,000# PULL	130 HP D	112,464	29.80	7.39	8.99	2.89	4.07
	L60CA005	528	SKIDDER, CABLE WITH 40,000# PULL	175 HP D	129,023	35.98	8.32	10.01	3.31	5.48
	L60CA006	FB-518	FELLER-BUNCHER, WHEEL MOUNTED	130 HP D	126,486	33.23	8.23	9.96	3.25	4.07
	L60CA007	FB-227	FELLER-BUNCHER, CRAWLER MOUNTED	135 HP D	278,901	63.30	18.90	23.48	7.16	4.23
			JOHN DEERE							
	L60JD001	540D	CABLE LOG SKIDDER, 26,700# LINE PULL	100 HP D	79,070	21.30	5.19	6.31	2.03	3.13
	L60JD002	640D	CABLE LOG SKIDDER, 32,100# LINE PULL	120 HP D	88,442	25.35	5.57	6.59	2.27	3.76
	L60JD003	548D	GRAPPLE LOG SKIDDR, 26,600# LINE PULL	100 HP D	87,659	23.07	5.77	7.03	2.25	3.13
	L60JD004	648D	GRAPPLE LOG SKIDDR, 26,700# LINE PULL	120 HP D	100,416	27.84	6.38	7.60	2.58	3.76
	L60JD005	740A	GRAPPLE LOG SKIDDR, 51,880# LINE PULL	158 HP D	145,258	41.07	8.95	10.43	3.73	4.95
	L60JD006	643	FELLER BUNCHER, WHEEL MOUNTED	145 HP D	115,238	31.91	7.38	8.84	2.96	4.54
			RANGER / VME							
	L60RN001	F665	CABLE SKIDDER, LINE PULL 22,400#	104 HP D	80,417	21.42	5.27	6.42	2.06	3.26
	L60RN002	F666	CABLE SKIDDER, LINE PULL 29,200#	132 HP D	92,892	25.98	5.86	6.96	2.38	4.13
	L60RN003	F667	CABLE SKIDDER, LINE PULL 33,400#	159 HP D	107,017	30.00	6.83	8.15	2.75	4.98
	L60RN004	F668	CABLE SKIDDER, LINE PULL 34,600#	217 HP D	143,402	42.45	8.50	9.63	3.68	6.80

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									
P10	PILE EXTRACTORS & LEADS																

INTERNATIONAL CONST. EQUIP. (I.C.E)																	
	P10IC001	216	EXTRACTOR, LINE PULL 30 TON	155 HP D	78,798	30.13	6.50	8.17	2.41	4.85							
	P10IC002	416L	EXTRACTOR, LINE PULL 40 TON	250 HP D	127,777	48.82	10.54	13.25	3.91	7.83							
	P10IC003	612	EXTRACTOR, LINE PULL 40 TON	250 HP D	144,746	53.93	11.94	15.01	4.43	7.83							
	P10IC004	812	EXTRACTOR, LINE PULL 50 TON	503 HP D	204,207	82.28	16.84	21.17	6.25	15.75							
	P10IC005	1412	EXTRACTOR, LINE PULL 100 TON	650 HP D	330,763	126.47	27.28	34.29	10.13	20.36							
NO SPECIFIC MANUFACTURER																	
	P10XX001		LEADS, 8" X 21", LENGTH 60'		12,705	4.83	1.05	1.32	0.39	0.00							
	P10XX002		LEADS, 8" X 26", LENGTH 60'		15,502	6.67	1.28	1.61	0.47	0.00							
	P10XX003		LEADS, 10" X 37", LENGTH 60'		25,787	10.76	2.13	2.67	0.79	0.00							
P20	PILE HAMMERS, DOUBLE ACTING																

INTERNATIONAL CONST. EQUIP. (I.C.E)																	
	P20IC001	180	8,100 FT-LBS, MAXIMUM STROKE 4'9"	23 HP D	42,844	16.53	3.53	4.44	1.31	0.72							
	P20IC002	440	18,100 FT-LBS, MAXIMUM STROKE 4'8"	50 HP D	68,094	26.85	5.62	7.06	2.09	1.57							
	P20IC003	520	30,000 FT-LBS, MAXIMUM STROKE 5'11"	76 HP D	74,259	30.15	6.12	7.70	2.27	2.38							
	P20IC004	640	40,000 FT-LBS, MAXIMUM STROKE 6'8"	90 HP D	78,513	32.28	6.47	8.14	2.40	2.82							
	P20IC005	660	50,000 FT-LBS, MAXIMUM STROKE N/A	133 HP D	109,010	45.16	8.99	11.30	3.34	4.17							
	P20IC006	1070	70,000 FT-LBS, MAXIMUM STROKE 7'0"	136 HP D	122,174	50.07	10.08	12.67	3.74	4.26							
MKT GEOTECHNICAL																	
	P20MK001	DA-15C	9,350 FT-LBS, MAXIMUM STROKE 10'-6" DIESEL, (FUEL NOT INCLUDED)		49,267	18.25	4.07	5.11	1.51	0.00							
	P20MK002	5	1,000 FT-LBS, MAXIMUM STROKE 7" (ADD COMPRESSOR)	250 CFM A	15,169	5.76	1.25	1.57	0.46	0.00							
	P20MK003	6	2,500 FT-LBS, MAXIMUM STROKE 8-3/4" (ADD COMPRESSOR)	400 CFM A	19,259	7.35	1.59	2.00	0.59	0.00							
	P20MK004	7	4,150 FT-LBS, MAXIMUM STROKE 9-1/2" (ADD COMPRESSOR)	450 CFM A	23,978	9.17	1.98	2.49	0.73	0.00							
	P20MK005	9B3	8,750 FT-LBS, MAXIMUM STROKE 17"	600 CFM A	42,563	15.99	3.51	4.41	1.30	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					
P20	PILE HAMMERS, DOUBLE ACTING *****												
MKT GEOTECHNICAL													
W -73	P20MK005	9B3	8,750 FT-LBS, MAXIMUM STROKE 17" (ADD COMPRESSOR)	600 CFM A	42,563	15.99	3.51	4.41	1.30	0.00	74		
	P20MK006	10B3	13,100 FT-LBS, MAXIMUM STROKE 19" (ADD COMPRESSOR)	750 CFM A	44,363	16.80	3.66	4.60	1.36	0.00	114		
	P20MK007	11B3	19,150 FT-LBS, MAXIMUM STROKE 19" (ADD COMPRESSOR)	900 CFM A	51,039	19.22	4.21	5.29	1.56	0.00	141		
	VULCAN												
	P20VU001	50C	15,100 FT-LBS, MAXIMUM STROKE 15'-6" (ADD COMPRESSOR)	1250 CFM A	55,142	20.75	4.55	5.72	1.69	0.00	153		
	P20VU002	65CA	19,200 FT-LBS, MAXIMUM STROKE 15'-6" (ADD COMPRESSOR)	1450 CFM A	62,982	23.71	5.20	6.53	1.93	0.00	153		
	P20VU003	80C	24,450 FT-LBS, MAXIMUM STROKE 16'-6" (ADD COMPRESSOR)	1750 CFM A	67,771	25.61	5.60	7.03	2.08	0.00	184		
	P20VU004	100C	32,900 FT-LBS, MAXIMUM STROKE N/A'' (ADD COMPRESSOR)	2050 CFM A	83,083	31.34	6.85	8.61	2.54	0.00	232		
	P20VU005	140C	36,000 FT-LBS, MAXIMUM STROKE 15'-6" (ADD COMPRESSOR)	2150 CFM A	102,273	38.37	8.43	10.60	3.13	0.00	287		
	P20VU006	200C	50,200 FT-LBS, MAXIMUM STROKE 15'-6" (ADD COMPRESSOR)	2550 CFM A	147,267	54.97	12.15	15.27	4.51	0.00	398		
P25	PILE HAMMERS, SINGLE ACTING *****												
MKT GEOTECHNICAL													
SL	P25MK001	DE-33/30/20B	28,050 FT-LBS, MAXIMUM STROKE 10'-6" DIESEL, (FUEL NOT INCLUDED)		54,352	18.95	4.48	5.63	1.66	0.00	78		
	P25MK002	DA-35C	21,050 FT-LBS, MAXIMUM STROKE 10'-6" DIESEL, (FUEL NOT INCLUDED)		62,421	21.92	5.15	6.47	1.91	0.00	113		
	P25MK003	DE-70B/50B	42,000 FT-LBS, MAXIMUM STROKE 10'-9" DIESEL, (FUEL NOT INCLUDED)		85,867	30.06	7.08	8.90	2.63	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 OWNERSHIP ELEMENTS		FUEL	CWT					
					AVERAGE	STANDBY	DEPR	CFC							
P25	PILE HAMMERS, SINGLE ACTING														

	VULCAN														
	P25VU001	1	15,000 FT-LBS (ADD COMPRESSOR)	750 CFM A	40,665	14.41	3.36	4.22	1.25	0.00					
	P25VU002	06	19,500 FT-LBS (ADD COMPRESSOR)	900 CFM A	48,138	17.01	3.97	4.99	1.47	0.00					
	P25VU003	08	26,000 FT-LBS (ADD COMPRESSOR)	1100 CFM A	58,404	20.64	4.82	6.05	1.79	0.00					
	P25VU004	010	32,900 FT-LBS (ADD COMPRESSOR)	1350 CFM A	61,822	21.95	5.10	6.41	1.89	0.00					
	P25VU005	012	39,000 FT-LBS (ADD COMPRESSOR)	1500 CFM A	69,704	24.55	5.75	7.23	2.13	0.00					
	P25VU006	014	42,000 FT-LBS (ADD COMPRESSOR)	1750 CFM A	84,382	29.89	6.96	8.75	2.58	0.00					
	P25VU007	016	48,750 FT-LBS (ADD COMPRESSOR)	1750 CFM A	95,028	33.54	7.84	9.85	2.91	0.00					
	P25VU008	020	60,000 FT-LBS (ADD COMPRESSOR)	2150 CFM A	124,858	43.98	10.29	12.94	3.82	0.00					
	P25VU009	030	90,000 FT-LBS (ADD COMPRESSOR)	2350 CFM A	141,580	49.84	11.68	14.68	4.34	0.00					
P30	PILE HAMMERS, VIBRATORY														

	MRT GEOTECHNICAL														
	P30MK001	V-5B	MAXIMUM DRIVING FORCE 40 TON	113 HP D	80,142	32.15	6.61	8.31	2.45	3.54					
	P30MK002	V-17	MAXIMUM DRIVING FORCE 80 TON	280 HP D	154,477	64.55	12.74	16.01	4.73	8.77					
	P30MK003	V-20	MAXIMUM DRIVING FORCE 116 TON	350 HP D	186,316	78.37	15.37	19.31	5.71	10.96					
	P30MK004	V-30	MAXIMUM DRIVING FORCE 160 TON	550 HP D	242,738	105.98	20.01	25.16	7.43	17.23					
	P30MK005	V-36	MAXIMUM DRIVING FORCE 182 TON	650 HP D	272,065	120.17	22.43	28.20	8.33	20.36					
P35	PIPELAYERS														

	CATERPILLAR														
	P35CA001	561D	15 FT BOOM, 40,000 LB CAP	105 HP D	151,160	32.27	8.70	9.23	4.08	1.83					
	P35CA002	571G	18 FT BOOM, 60,000 LB CAP	200 HP D	242,367	52.51	13.94	14.80	6.54	3.48					
	P35CA003	572G	18 FT BOOM, 90,000 LB CAP	200 HP D	262,926	56.56	15.13	16.06	7.10	3.48					
	P35CA004	583K	20 FT BOOM, 140,000 LB CAP	300 HP D	347,759	75.67	20.01	21.24	9.39	5.22					
P40	PLATFORMS, AERIAL WORK														

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						
P40 PLATFORMS, AERIAL WORK															

GROVE															

	P40GV001	SM32700	SCISSOR,M-LIFT, 26'HIGH, 1500# CAP.	23 HP G	30,183	9.51	2.23	2.80	0.83	1.39	65				
	P40GV002	SM31RT	SCISSOR,M-LIFT, 25'HIGH, 2000# CAP.	30 HP G	33,318	10.86	2.46	3.10	0.91	1.81	57				
	P40GV003	SM42RT	SCISSOR,M-LIFT, 36'HIGH, 1500# CAP.	30 HP G	42,251	13.14	3.15	3.97	1.16	1.81	75				
	P40GV004	MZ48B	BOOM,M-LIFT, 42'HIGH, 600# CAP.	30 HP G	68,220	20.31	5.14	6.53	1.87	1.81	115				
	P40GV005	MZ66A	BOOM,M-LIFT, 60'HIGH, 750# CAP.	62 HP G	102,590	31.84	7.42	9.21	2.81	3.74	297				
	P40GV006	MZ76	BOOM,M-LIFT, 70'HIGH, 600# CAP.	62 HP G	124,435	37.20	9.13	11.46	3.40	3.74	360				
	P40GV007	MZ90	BOOM,M-LIFT, 84'HIGH, 600# CAP.	62 HP G	150,329	43.76	11.13	14.04	4.11	3.74	417				
	P40GV008	MZ116B	BOOM,M-LIFT, 110'HIGH, 700# CAP.	62 HP G	211,347	59.33	15.76	19.96	5.78	3.74	430				
	P40GV009	AMZ40XT	ART BOOM,M-LIFT, 34.5'H, 600# CAP, 4WD	20 HP G	47,717	14.33	3.59	4.56	1.31	1.21	109				
	P40GV010	AMZ50XT	ART BOOM,M-LIFT, 43.5'H, 600# CAP, 4WD	33 HP G	59,174	18.27	4.46	5.68	1.62	1.99	157				
	P40GV011	AMZ66XT	ART BOOM,M-LIFT, 60'H, 600# CAP, 4WD	53 HP G	107,433	32.17	8.04	10.19	2.94	3.20	233				
REACH ALL															

	P40RE001	AP41MH	LINE TRUCK WITH AERIAL PLATFORM	165 HP G	68,723	31.09	5.18	6.59	1.88	9.95	160				
P45 PUMPS, GROUT															

CHEMGROUT															

	P45CG001	CG-050	GROUT PUMP,PORTABLE, 5 GPM, 100 PSI (ADD AIR COMPRESSOR)	15 CFM A	2,861	0.88	0.23	0.30	0.08	0.00	1				
	P45CG002	CG-550	GROUT PLANT/MIXER, 5 GPM, 100 PSI (ADD AIR COMPRESSOR)	85 CFM A	5,039	1.55	0.40	0.53	0.13	0.00	3				
	P45CG003	CG-500	GROUT PLANT, 1-20 GPM, 100 PSI (ADD AIR COMPRESSOR)	230 CFM A	13,391	4.00	1.05	1.40	0.35	0.00	11				
	P45CG004	CG-600	COLLOIDAL PUMP/MIXER,20 GPM,100 PSI (ADD AIR COMPRESSOR)	450 CFM A	24,131	7.26	1.91	2.53	0.64	0.00	18				
	P45CG005	CG-625	COLLOIDAL GROUT PUMP, 1.5 - 16 GPM (TRAILER MOUNTED)	22 HP D	26,027	8.76	2.04	2.70	0.69	1.01	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 HOURLY 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	1,138	1.00	0.08	0.10	0.03	0.54
	P50H0002	RDTP2	2" - 10,400 GPH AT 25' HEAD, TRASH	6 HP D	1,868	0.84	0.14	0.17	0.05	0.26
	P50H0003	120TP3	3" - 19,680 GPH AT 25' HEAD, TRASH	8 HP G	1,375	1.50	0.11	0.13	0.04	0.86
	P50H0004	RDTP3	3" - 19,680 GPH AT 25' HEAD, TRASH	8 HP D	2,913	1.24	0.22	0.27	0.08	0.35
	P50H0005	160TP4	4" - 39,720 GPH AT 25' HEAD, TRASH	16 HP G	2,992	3.05	0.22	0.27	0.08	1.73
			WACKER							

	P50WC001	PT 2R	2" DIA TRASH PUMP, 235GPM AT 100' HD	5 HP G	1,082	0.99	0.08	0.10	0.03	0.54
	P50WC002	PT 3R	3" DIA TRASH PUMP, 440GPM AT 95' HD	8 HP G	1,329	1.49	0.10	0.12	0.04	0.86
	P50WC003	PT 4H	4" DIA TRASH PUMP, 625GPM AT 87' HD	12 HP D	5,424	2.12	0.40	0.49	0.15	0.52
	P50WC004	PT 6DT	6" DIA TRASH PUMP, 1300GPM AT 100' HD	35 HP D	12,580	5.37	0.93	1.15	0.35	1.52
	.12		ELECTRIC DRIVE							

	.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	1,899	0.59	0.12	0.14	0.05	0.18
	P55GR002	S3A1	3" - 278 GPM AT 20' HEAD	5 HP E	2,587	1.10	0.17	0.19	0.07	0.45
	P55GR003	S4A1	4" - 860 GPM AT 40' HEAD	25 HP E	10,393	5.09	0.67	0.76	0.29	2.25
	P55GR004	S6A1	6" - 1,950 GPM AT 40' HEAD	60 HP E	13,203	10.14	0.84	0.96	0.36	5.40
			MARLOW							
	P55ML001	2S11	2" - 84 GPM AT 20' HEAD	1 HP E	1,401	0.38	0.09	0.10	0.04	0.09
	P55ML002	3S22	3" - 190 GPM AT 20' HEAD	2 HP E	1,989	0.61	0.13	0.15	0.05	0.18
	P55ML003	4S83	4" - 550 GPM AT 25' HEAD	8 HP E	2,714	1.51	0.17	0.20	0.07	0.72
			WACKER							
	P55WC001	STP 2500	3" - 485 GPM AT 55' HEAD	3 HP E	2,943	1.19	0.19	0.21	0.08	0.27
	P55WC002	STP 4500	4" - 350 GPM AT 85' HEAD	6 HP E	3,505	1.75	0.23	0.26	0.10	0.54
	P55WC003	STP 8000	4" - 975 GPM AT 110' HEAD	11 HP E	3,721	2.46	0.24	0.27	0.10	0.99
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	518	0.55	0.04	0.05	0.01	0.32
	P60HO002	111S2	2" - 9,000 GPH AT 22' HEAD	3 HP G	709	0.60	0.05	0.06	0.02	0.32
	P60HO003	120S3	3" - 17,600 GPH AT 20' HEAD	8 HP G	1,217	1.45	0.09	0.11	0.03	0.86

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	10,558	8.16	0.78	0.96	0.30	4.10
	P60ML002	4C7	500 GPM AT 100' HEAD	30 HP D	11,230	4.73	0.83	1.02	0.32	1.31
	P60ML003	6E4P	1100 GPM AT 40' HEAD	79 HP G	15,900	15.39	1.18	1.45	0.45	8.52
	P60ML004	6E4P	1100 GPM AT 40' HEAD	60 HP D	20,515	8.94	1.52	1.87	0.58	2.61
	P60ML005	8FB3-1	2320 GPM AT 20' HEAD	70 HP D	26,447	11.08	1.95	2.41	0.74	3.05
	P60ML006	10FA61-1	2320 GPM AT 20' HEAD	68 HP D	27,460	11.22	2.03	2.51	0.77	2.96
	.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	1,099	0.70	0.08	0.10	0.03	0.32
	P65HO002	111DP3	3" - 4,800 GPH AT 25' HEAD	3 HP G	1,326	0.77	0.10	0.12	0.04	0.32

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	1,018	0.54	0.08	0.09	0.03	0.22	2
	.02		ELECTRIC DRIVE									
R10			RIPPERS & HYDRAULIC BANK SLOPERS (does not include cost of point wear)									
			CATERPILLAR									
	R10CA001	D-3	RIPPER, THREE- SHANK;W/HYD-CONTROL			3,335	0.97	0.26	0.33	0.09	0.00	7
	R10CA002	D-3	RIPPER,SHANKS, EACH			185	0.06	0.02	0.02	0.01	0.00	1
	R10CA003	D-4	RIPPER,SINGLE-SHANK;W/HYD-CONTROL			6,176	1.72	0.48	0.61	0.17	0.00	12
	R10CA004	D-4	RIPPER,SHANKS, EACH			368	0.10	0.03	0.04	0.01	0.00	1
	R10CA005	D-5	RIPPER,SINGLE-SHANK;W/HYD-CONTROL			10,111	2.76	0.78	0.99	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	728	0.19	0.06	0.07	0.02	0.00	2
	R10CA007	D-6	RIPPER, MULTI-SHANK; W/HYD-CONTROL	13,893	3.76	1.06	1.36	0.38	0.00	35
	R10CA008	D-6	RIPPER, SHANKS, EACH	728	0.19	0.06	0.07	0.02	0.00	2
	R10CA009	D-7	RIPPER, MULTI-SHANK; W/HYD-CONTROL	22,778	6.12	1.74	2.24	0.62	0.00	65
	R10CA010	D-7	RIPPER, SHANKS, EACH	1,242	0.32	0.09	0.12	0.03	0.00	3
	R10CA011	D-8	RIPPER, SINGLE-SHANK; W/HYD-CNTL&SHNK	37,688	10.09	2.88	3.70	1.03	0.00	101
	R10CA012	D-8	RIPPER, MULTI-SHANK; W/HYD-CONTROL	37,300	9.98	2.85	3.66	1.02	0.00	104
	R10CA013	D-8	RIPPER, SHANKS, EACH	2,413	0.65	0.19	0.24	0.07	0.00	7
	R10CA014	D-9	RIPPER, SINGLE-SHANK; W/HYD-CNTL&SHNK	42,453	11.41	3.25	4.17	1.16	0.00	100
	R10CA015	D-9	RIPPER, MULTI-SHANK; W/HYD-CONTROL	40,315	10.84	3.08	3.96	1.10	0.00	108
	R10CA016	D-9	RIPPER, SHANKS, EACH	2,592	0.68	0.20	0.25	0.07	0.00	8
	R10CA017	D-10	RIPPER, SINGLE-SHANK	59,646	16.01	4.55	5.86	1.62	0.00	147
	R10CA018	D-10	RIPPER, MULTI-SHANK	60,701	16.30	4.63	5.96	1.65	0.00	150
	R10CA019	D-10	RIPPER, SHANKS, EACH	4,246	1.13	0.33	0.42	0.12	0.00	11
	R10CA020	D-11N	RIPPER, SINGLE-SHANK	79,812	21.37	6.09	7.84	2.17	0.00	191
	R10CA021	D-11N	RIPPER, MULTI-SHANK	75,177	20.18	5.75	7.39	2.05	0.00	206
	R10CA022	D-11N	RIPPER, SHANKS, EACH	4,786	1.27	0.37	0.47	0.13	0.00	15
			FIATALLIS							
	R10FI001	FD20	RIPPER, MULTI-SHANK (3), REAR	22,434	6.03	1.71	2.20	0.61	0.00	88
	R10FI002	FD30	RIPPER, MULTI-SHANK (3), REAR	37,074	9.92	2.83	3.64	1.01	0.00	108
	R10FI003	FD30B	RIPPER, MULTI-SHANK (3), HYD PITCH	46,224	12.35	3.53	4.54	1.26	0.00	108
	R10FI004	FD40	RIPPER, MULTI-SHANK, HYD PITCH	47,109	12.68	3.60	4.63	1.28	0.00	200
	R10FI005	FD40B	RIPPER, MULTI-SHANK, HYD PITCH	59,557	15.98	4.55	5.85	1.62	0.00	200
	R10FI006	FD50	RIPPER, MULTI-SHANK, HYD PITCH	57,927	15.63	4.43	5.69	1.58	0.00	280
R15			ROLLERS, TOWED - PNEUMATIC							

			SOUTHWEST							
	R15SO001	C-50	60 TON CAPACITY, STATIC	92,388	17.81	5.36	5.81	2.45	0.00	309
	R15SO002	C-75	75 TON CAPACITY, STATIC	101,911	19.60	5.76	6.12	2.70	0.00	347
	R15SO003	C-100XL	100 TON CAPACITY, STATIC	143,346	27.70	8.38	9.16	3.80	0.00	551

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								
	.01		PNEUMATIC								
			BOMAG								
	R30BO001	BW12R	68.3" WIDE, 9 TIRES, HYDROSTATIC	73 HP D	41,184	12.58	3.01	3.77	1.12	2.29	90
	R30BO002	BW16R	78.2" WIDE, 8 TIRES, HYDROSTATIC	103 HP D	84,501	23.96	6.18	7.78	2.29	3.23	165
	R30BO003	BW20R	78.2" WIDE, 8 TIRES, HYDROSTATIC	103 HP D	89,763	25.19	6.59	8.30	2.44	3.23	254
			CATERPILLAR								
	R30CA001	PS-110	84" WIDE, 11 TIRES	77 HP D	56,648	16.45	4.16	5.24	1.54	2.41	69
	R30CA002	PS-180	68" WIDE, 9 TIRES	77 HP D	57,921	16.70	4.29	5.43	1.57	2.41	95
			FERGUSON								
	R30FR001	SP-912	12 TON, 9 TIRES	85 HP D	45,332	13.99	3.33	4.19	1.23	2.66	88
	R30FR002	SP-915	15 TON, 9 TIRES	85 HP D	50,429	15.18	3.72	4.69	1.37	2.66	121
	R30FR003	SP-1118	18 TON, 11 TIRES, HYDROSTATIC	85 HP D	59,268	17.29	4.36	5.50	1.61	2.66	110
	R30FR004	SP-1130	30 TON, 11 TIRES, HYDROSTATIC	121 HP D	96,902	27.61	7.09	8.91	2.63	3.79	228
			HYSTER								
	R30HY001	C530A	10-12.5 TON, 9 TIRES, POWERSHIFT	81 HP D	49,953	14.92	3.68	4.64	1.36	2.54	80
			INGRAM								
	R30IG001	9-2800-PB	12 TON, 9 TIRES, HYDROSTATIC	76 HP D	38,086	11.95	2.77	3.47	1.03	2.38	91
	R30IG002	9-3400-PB	15 TON, 9 TIRES, HYDROSTATIC	76 HP D	44,846	13.53	3.29	4.14	1.22	2.38	110
	R30IG003	11-2700-R	15 TON, 11 TIRES, HYDROSTATIC	80 HP D	48,000	14.48	3.50	4.39	1.30	2.51	82
	R30IG004	13-2300-R	15 TON, 13 TIRES, HYDROSTATIC	80 HP D	50,048	14.96	3.63	4.53	1.36	2.51	86
	R30IG005	9-5500-SB	25 TON, 9 TIRES, HYDROSTATIC	115 HP D	91,975	26.23	6.67	8.34	2.50	3.60	204
	R30IG006	9-6600-SB	30 TON, 9 TIRES, HYDROSTATIC	157 HP D	96,485	28.92	7.02	8.79	2.62	4.92	266
			INGERSOLL-RAND								
	R30IN001	PT-120R	13.5 TON, 9 TIRES, HYDROSTATIC	76 HP D	45,854	13.79	3.37	4.23	1.25	2.38	97
	R30IN002	PT-140A	14.0 TON, 9 TIRES, HYDROSTATIC	87 HP D	58,329	17.10	4.31	5.46	1.58	2.72	145
	.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 OWNERSHIP ELEMENTS		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	33,802	8.83	2.24	2.67	0.90	1.57	83
	R30FR006	46A	4-6 TON, TANDEM, HYDROSTATIC	50 HP D	40,130	10.11	2.65	3.17	1.06	1.57	95
	R30FR007	5-8B	5-8 TON, TANDEM, HYDROSTATIC	85 HP D	59,592	15.41	3.93	4.70	1.58	2.66	131
	R30FR008	8-10.5B	8-10 TON, TANDEM, HYDROSTATIC	85 HP D	62,313	15.97	4.11	4.92	1.65	2.66	162
	R30FR009	8-12B	8-12 TON, TANDEM, HYDROSTATIC	85 HP D	65,311	16.57	4.31	5.15	1.73	2.66	171
	R30FR010	10-14B	10-14 TON, TANDEM, HYDROSTATIC	85 HP D	68,154	17.16	4.50	5.38	1.81	2.66	203
			HYSSTER								
	R30HY002	C330B	3-5 TON, TANDEM	48 HP D	38,172	9.62	2.52	3.01	1.01	1.50	86
	R30HY003	C330B	4-6 TON, TANDEM	48 HP D	45,169	11.04	2.98	3.56	1.20	1.50	96
	R30HY004	C340C	5-8 TON, TANDEM	80 HP D	55,505	14.39	3.66	4.38	1.47	2.51	140
	R30HY005	C340C	8-10 TON, TANDEM	80 HP D	59,257	15.16	3.91	4.68	1.57	2.51	162
	R30HY006	C350D	8-12 TON, TANDEM	80 HP D	66,091	16.54	4.36	5.21	1.75	2.51	173
	R30HY007	C350D	10-14 TON, TANDEM	80 HP D	69,979	17.34	4.62	5.52	1.86	2.51	215
			INTERNATIONAL/DRESSER								
	R30ID001	S3-5B	3-5 TON, TANDEM	44 HP D	37,365	9.31	2.47	2.95	0.99	1.38	78
	R30ID002	S4-6B	4-6 TON, TANDEM	44 HP D	45,142	10.89	2.98	3.56	1.20	1.38	90
	R30ID003	708	5-8 TON, TANDEM	87 HP D	60,058	15.58	3.96	4.74	1.59	2.72	133
	R30ID004	710	8-10 TON, TANDEM	87 HP D	64,076	16.40	4.23	5.06	1.70	2.72	170
	R30ID005	712	8-12 TON, TANDEM	87 HP D	68,066	17.21	4.50	5.37	1.81	2.72	176
	R30ID006	714	10-14 TON, TANDEM	87 HP D	72,426	18.09	4.78	5.71	1.92	2.72	222
			INGRAM								
	R30IG007	10-15T AE	10-15 TON, 3 WHEEL, ARTICULATED	76 HP D	58,285	14.81	3.85	4.60	1.55	2.38	197
	R30IG008	12T EB	12 TON, 3 WHEEL, 3" OVERLAP	76 HP D	60,906	15.34	4.03	4.81	1.62	2.38	195
	R30IG009	14T EB	14 TON, 3 WHEEL, 3" OVERLAP	76 HP D	65,216	16.21	4.31	5.15	1.73	2.38	215
	R30IG010	4-6T FB	4-6 TON, TANDEM	54 HP G	30,105	11.34	1.99	2.38	0.80	4.20	82
	R30IG011	5-6.5T FB	5-6.5 TON, TANDEM, PORTABLE	54 HP G	37,487	12.83	2.47	2.96	0.99	4.20	97
	R30IG012	6-9T GB	6-9 TON, TANDEM	80 HP D	47,918	12.85	3.16	3.78	1.27	2.51	133
	R30IG013	8-10T GB	8-10 TON, TANDEM	85 HP D	50,807	13.63	3.36	4.01	1.35	2.66	173
	R30IG014	8-12T HB	8-12 TON, TANDEM	80 HP D	55,828	14.46	3.68	4.40	1.48	2.51	172

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		
R30			ROLLERS, STATIC, SELF-PROPELLED							
	.02		SMOOTH DRUM							
			INGRAM							
	R30IG015	10-14T HB	10-14 TON, TANDEM	80 HP D	59,068	15.12	3.90	4.66	1.57	2.51
			ROSCO							
	R30RS001	DIX ROLLPAC III	1 TON, TANDEM, 34" WIDE	14 HP G	7,022	2.78	0.47	0.55	0.19	1.09
	R30RS002	STAPAC III	2 TON, TANDEM, 40" WIDE	18 HP G	9,846	3.74	0.65	0.78	0.26	1.40
	.03		TAMPING FOOT							
			CATERPILLAR							
	R30CA003	815B	LANDFILL COMPACTOR, 56"DIA X 38.5"L TAMPING FOOT, WITHOUT BLADE	210 HP D	194,746	47.77	12.86	15.37	5.17	6.58
R40	R30CA004	816B	LANDFILL COMPACTOR, 63"D X 40)L CHOPPER WHEELS, WITH STRAIGHT BLADE	210 HP D	194,140	47.64	12.81	15.32	5.15	6.58
	R30CA005	825C	LANDFILL COMPACTOR, 51" DIA X 44" L TAMPING FOOT, WITHOUT BLADE	310 HP D	288,971	70.79	19.06	22.80	7.66	9.71
	R30CA006	825C	LANDFILL COMPACTOR, 51" DIA X 44" L TAMPING FOOT, WITH STRAIGHT BLADE	310 HP D	302,385	73.52	19.95	23.86	8.02	9.71
	R30CA007	826C	LANDFILL COMPACTOR, 60"D X 48" L CHOPPER WHEELS, WITH STRAIGHT BLADE	310 HP D	305,627	74.18	20.17	24.11	8.11	9.71
			ROLLERS, VIBRATORY, TOWED							
			CATERPILLAR							
	R40CA001	TSF-54 (PADS)	54"W X 30"D, PADFOOT, 5 TON	35 HP D	22,736	7.65	1.74	2.24	0.62	1.52
	R40CA002	TSM	54"W X 30"D, 5 TON	35 HP D	20,664	7.14	1.58	2.04	0.56	1.52
			HYSER							
	R40HY001	C200B	48" DIAMETER X 60" WIDE	36 HP G	26,678	11.73	2.04	2.63	0.72	3.88
	R40HY002	C210A (PADS)	58" DIAMETER X 60" WIDE	36 HP G	32,822	13.27	2.51	3.24	0.89	3.88
										92

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	32,706	10.19	2.51	3.23	0.89	1.57	72
	R40HY004	C210A (PADS)	58" DIAMETER X 60" WIDE	36 HP D	38,850	11.70	2.97	3.83	1.05	1.57	92
SOUTHWEST											
	R40SO001	566 SHEEPSFOOT	72" WIDE X 56" DIA., 25.5 TON	50 HP D	115,201	31.47	8.81	11.36	3.13	2.18	165
	R40SO002	756 SHEEPSFOOT	78" WIDE X 66" DIA., 23.5 TON	75 HP D	121,129	34.36	9.27	11.95	3.29	3.26	169
R45 ROLLERS, VIBRATORY, DOUBLE DRUM,											
			BOMAG								
	R45BO001	BW120AD	47.2" WIDE X 26.6" DIA., HYDROSTATIC	35 HP D	34,217	12.07	2.62	3.37	0.93	1.52	51
	R45BO002	BW141AD	55.9" WIDE X 41.3" DIA., HYDROSTATIC	74 HP D	73,360	25.82	5.61	7.24	1.99	3.22	136
	R45BO003	BW151AD	66.1" WIDE X 41.4" DIA., HYDROSTATIC	74 HP D	86,888	29.80	6.65	8.57	2.36	3.22	146
	R45BO004	BW161AD	66.0" WIDE X 47" DIA., HYDROSTATIC	102 HP D	95,230	33.86	7.29	9.39	2.59	4.44	188
	R45BO005	BW202AD	80.0" WIDE X 48" DIA., HYDROSTATIC	102 HP D	100,551	35.43	7.69	9.92	2.73	4.44	209
			CATERPILLAR								
	R45CA001	CB-214B	39.4" WIDE X 27.5" DIAMETER	33 HP D	28,184	10.19	2.16	2.78	0.77	1.44	51
	R45CA002	CB-244B	47.2" WIDE X 27.5" DIAMETER	33 HP D	33,269	11.68	2.54	3.28	0.90	1.44	54
	R45CA003	CB-314	44" WIDE X 30" DIAMETER	55 HP D	38,196	14.40	2.93	3.77	1.04	2.39	74
	R45CA004	CB-414	55" WIDE X 42" DIAMETER	70 HP D	79,205	27.31	6.06	7.81	2.15	3.05	128
	R45CA005	CB-434	56" WIDE X 43.5" DIAMETER	80 HP D	78,053	27.54	5.97	7.70	2.12	3.48	134
	R45CA006	CB-514	66" WIDE X 48" DIAMETER	91 HP D	99,533	34.50	7.61	9.82	2.70	3.96	200
	R45CA007	CB-534	67" WIDE X 51" DIAMETER	125 HP D	98,842	36.24	7.56	9.75	2.68	5.44	201
	R45CA008	CB-614	78" WIDE X 54" DIAMETER	155 HP D	120,225	44.25	9.19	11.86	3.26	6.74	226
			DYNAPAC								
	R45DY001	CC101	42" WIDE X 26" DIA., TANDEM, 2 TON	31 HP D	37,754	12.88	2.89	3.72	1.03	1.35	53
	R45DY002	CC211	57" WIDE X 41" DIA., TANDEM, 4 TON	72 HP D	92,156	31.23	7.05	9.09	2.50	3.13	157
	R45DY003	CC421	68" WIDE X 48" DIA., TANDEM, 12 TON	123 HP D	114,282	40.66	8.74	11.27	3.10	5.35	224

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		
R45			ROLLERS, VIBRATORY, DOUBLE DRUM, *****							
			DYNAPAC							
	R45DY004	CC501	84" WIDE X 60" DIA., TANDEM, 18 TON	210 HP D	167,727	61.37	12.82	16.54	4.55	9.14
	R45DY005	CC511PD (PADS)	84" WIDE X 61" DIA., TANDEM, TF 22T	154 HP D	154,416	54.24	11.81	15.23	4.19	6.70
			HYSSTER							
	R45HY001	C727A	72" WIDE X 48" DIAMETER, TANDEM	130 HP D	97,502	36.14	7.46	9.62	2.65	5.66
	R45HY002	C766A	66" WIDE X 48" DIAMETER, TANDEM	102 HP D	97,907	34.65	7.49	9.66	2.66	4.44
			INTERNATIONAL/DRESSER							
	R45ID001	VOS2-42A	42" WIDE X 30" DIAMETER, HYDROSTATIC	41 HP D	41,618	14.58	3.18	4.10	1.13	1.78
	R45ID002	VOST2-42A	42" WIDE X 30" DIAMETER, HYDROSTATIC	41 HP D	48,162	16.51	3.69	4.75	1.31	1.78
	R45ID003	VOS2-66B	66" WIDE X 48" DIAMETER, HYDROSTATIC	120 HP D	108,685	38.85	8.31	10.72	2.95	5.22
			INGERSOLL-RAND							
	R45IN001	DD-23	39" WIDE X 28" DIAM., HYDROSTATIC	31 HP D	30,929	10.87	2.37	3.05	0.84	1.35
	R45IN002	DD-25	47" WIDE X 28" DIAM., HYDROSTATIC	31 HP D	34,843	12.03	2.67	3.44	0.95	1.35
	R45IN003	DD-35	40" WIDE X 30" DIAM., HYDROSTATIC	32 HP D	38,190	13.08	2.93	3.77	1.04	1.39
	R45IN004	DD-65	55" WIDE X 41" DIAM., HYDROSTATIC	70 HP D	84,600	28.89	6.47	8.34	2.30	3.05
	R45IN005	DD-90	66" WIDE X 48" DIAM., HYDROSTATIC	112 HP D	104,168	37.06	7.97	10.27	2.83	4.87
	R45IN006	DA-D50	75" WIDE X 50" DIAM., HYDROSTATIC	115 HP D	106,045	37.78	8.11	10.46	2.88	5.00
	R45IN007	DD-145	84" WIDE X 60" DIAM., HYDROSTATIC	156 HP D	145,038	51.60	11.09	14.30	3.94	6.79
			ROSCO							
	R45RS001	VIBRASTATT III	36" WIDE, 2 TON, TANDEM	18 HP G	11,134	5.83	0.85	1.10	0.30	1.94
	R45RS002	HYDRAPAC	46" WIDE, 2 TON, TANDEM, ARTICULATED	30 HP D	25,695	9.28	1.97	2.53	0.70	1.31
			TAMPO							
	R45TA001	RS-156A	56" WIDE X 42" DIA, HYDROSTATIC	78 HP D	75,624	26.71	5.78	7.46	2.05	3.39
	R45TA002	RS-166A	66" WIDE X 48" DIA, HYDROSTATIC	102 HP D	93,932	33.47	7.18	9.26	2.55	4.44
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		FUEL	CWT															
					AVERAGE	STANDBY	DEPR	CFC																	
R50	ROLLERS, VIBRATORY, SINGLE DRUM																								

BOMAG																									
98	R50BO001	BW142D	56" WIDE X 42" DIA., HYDROSTATIC	51 HP D	70,707	22.68	5.36	6.87	1.92	2.22	98														
	R50BO002	BW172D	66" WIDE X 48" DIA., HYDROSTATIC	71 HP D	69,604	23.52	5.27	6.75	1.89	3.09	122														
	R50BO003	BW213D	83" WIDE X 59" DIA., HYDROSTATIC	119 HP D	99,775	34.75	7.51	9.60	2.71	5.18	231														
	R50BO004	BW217D	84" WIDE X 63" DIA., HYDROSTATIC	186 HP D	144,428	51.03	10.92	14.00	3.92	8.09	389														
CATERPILLAR																									
3	R50CA001	CS-323	48" WIDE X 38" DIAMETER	77 HP D	60,124	21.20	4.57	5.87	1.63	3.35	92														
	R50CA002	CP-323 (PADS)	48" WIDE X 38" DIAMETER, PADFOOT	77 HP D	67,266	23.20	5.12	6.58	1.83	3.35	93														
	R50CA003	CS-413B	66" WIDE X 48" DIAMETER	102 HP D	67,540	24.73	5.11	6.55	1.83	4.44	139														
	R50CA004	CP-433B (PADS)	66" WIDE X 48" DIAMETER, PADFOOT	102 HP D	85,412	29.71	6.48	8.31	2.32	4.44	148														
	R50CA005	CS-433B	66" WIDE X 48" DIAMETER	102 HP D	78,294	27.73	5.94	7.61	2.13	4.44	142														
	R50CA006	CS-551	84" WIDE X 60" DIAMETER	155 HP D	92,487	34.80	6.94	8.86	2.51	6.74	230														
	R50CA007	CP-553 (PADS)	84" WIDE X 61" DIAMETER, PADFOOT	155 HP D	112,125	40.27	8.44	10.80	3.04	6.74	270														
	R50CA008	CS-553	84" WIDE X 51" DIAMETER	155 HP D	98,897	36.59	7.44	9.49	2.69	6.74	238														
	R50CA009	CS-563	84" WIDE X 60" DIAMETER	145 HP D	100,984	36.60	7.59	9.70	2.74	6.31	245														
	R50CA010	CP-563 (PADS)	84" WIDE X 51" DIAMETER, PADFOOT	145 HP D	112,289	39.75	8.46	10.81	3.05	6.31	255														
DYNAPAC																									
3	R50DY001	CA-151D	66" WIDE X 48" DIA., 11 TON	98 HP D	84,191	29.14	6.39	8.20	2.29	4.26	142														
	R50DY002	CA-151PD (PADS)	66" WIDE X 48" DIA., 13 TON, TAMP FT	98 HP D	96,058	32.44	7.30	9.38	2.61	4.26	153														
	R50DY003	CA-251	66" WIDE X 48" DIA., 18 TON	151 HP D	102,188	37.30	7.66	9.78	2.77	6.57	212														
	R50DY004	CA-251PD (PADS)	84" WIDE X 60" DIA., 22 TON, TAMP FT	151 HP D	121,811	42.74	9.19	11.75	3.31	6.57	247														
	R50DY005	CA-301D	84" WIDE X 61" DIA., 22 TON	151 HP D	122,717	42.99	9.25	11.84	3.33	6.57	266														
HYSTER																									
3	R50HY001	C610B	72" WIDE X 48" DIAMETER, DRUM DRIVE	80 HP D	70,857	24.24	5.05	6.25	1.92	3.48	149														
	R50HY002	C615B	72" WIDE X 48" DIAMETER, DRUM DRIVE	80 HP D	75,682	25.60	5.43	6.73	2.06	3.48	151														
	R50HY003	C620B	84" WIDE X 48" DIAMETER, DRUM DRIVE	80 HP D	77,996	26.23	5.60	6.95	2.12	3.48	163														
	R50HY004	C625B	84" WIDE X 48" DIAMETER, DRUM DRIVE	80 HP D	81,536	27.21	5.86	7.30	2.21	3.48	165														
	R50HY005	C830B	66.5" WIDE X 48" DIAMETER	107 HP D	66,891	25.11	4.75	5.86	1.82	4.65	133														
	R50HY006	C612B (PAD)	72" WIDE X 51" DIAMETER	82 HP D	76,751	26.42	5.50	6.83	2.08	3.57	167														
	R50HY007	C830B	66.5" WIDE X 48" DIAMETER, DRUM DRIVE	107 HP D	74,332	26.85	5.63	7.22	2.02	4.65	130														
	R50HY008	C832B (PAD)	66.5" WIDE X 67" DIAMETER, DRUM DRIVE	107 HP D	79,995	28.41	6.05	7.76	2.17	4.65	146														

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									
R50	ROLLERS, VIBRATORY, SINGLE DRUM																

HYSTER																	

R50HY009 C850B 84" WIDE X 59" DIAMETER 145 HP D 95,723 35.11 7.20 9.20 2.60 6.31 208																	
R50HY010 C850B 84" WIDE X 59" DIAMETER, DRUM DRIVE 145 HP D 104,720 37.50 7.89 10.09 2.84 6.31 208																	
R50HY011 C860B 84" WIDE X 60" DIAMETER 145 HP D 109,240 38.88 8.24 10.53 2.97 6.31 243																	
R50HY012 C852B (PAD) 84" WIDE X 67" DIAMETER 145 HP D 113,687 40.16 8.54 10.89 3.09 6.31 235																	
R50HY013 C860B 84" WIDE X 60" DIAMETER, DRUM DRIVE 145 HP D 118,206 41.26 8.92 11.42 3.21 6.31 243																	

INTERNATIONAL/DRESSER																	

R50ID001 VOS66A 66" WIDE X 48" DIA., GEN'L PURPOSE 80 HP D 77,898 26.35 5.91 7.57 2.12 3.48 129																	
R50ID002 VOSD66A 66" WIDE X 48" DIA., DRUM DRIVE 80 HP D 84,974 28.27 6.45 8.27 2.31 3.48 131																	
R50ID003 VOSA66A 66" WIDE X 48" DIA., ASPHALT 80 HP D 85,483 28.47 6.49 8.33 2.32 3.48 133																	
R50ID004 VOSPD66A (PAD) 66" WIDE X 48" DIA., DRUM DRIVE 80 HP D 93,874 30.75 7.13 9.15 2.55 3.48 139																	
R50ID005 VOS84A 84" WIDE X 60" DIA., GEN'L PURPOSE 120 HP D 93,485 33.01 7.09 9.10 2.54 5.22 209																	
R50ID006 VOSA84A 84" WIDE X 60" DIA., ASPHALT 120 HP D 102,453 35.55 7.72 9.88 2.78 5.22 215																	
R50ID007 VOSD84A 84" WIDE X 60" DIA., DRUM DRIVE 120 HP D 103,445 35.71 7.95 10.08 2.81 5.22 215																	
R50ID008 VOSPD84A (PAD) 84" WIDE X 60" DIA., DRUM DRIVE 120 HP D 109,843 37.49 8.34 10.71 2.98 5.22 209																	

INGERSOLL-RAND																	

R50IN001 SD-40D 54" WIDE X 38" DIAM., HYDROSTATIC 54 HP D 58,525 19.46 4.43 5.68 1.59 2.35 96																	
R50IN002 SP-40P (PADS) 54" WIDE X 44" DIAM., HYDROSTATIC 54 HP D 62,501 20.56 4.74 6.07 1.70 2.35 100																	

TAMPO																	

R50TA001 RS-16-HD 60" WIDE X 48" DIA, HYDROSTATIC 78 HP D 67,810 23.42 5.14 6.59 1.84 3.39 124																	
R50TA002 RS-16A-HD 60" WIDE X 48" DIA, HYDROSTATIC 78 HP D 71,403 24.44 5.41 6.94 1.94 3.39 133																	
R50TA003 RP-16D-HD (PADS) 60" WIDE X 48" DIA, HYDROSTATIC 78 HP D 75,639 25.60 5.73 7.36 2.05 3.39 136																	
R50TA004 RS-58 84" WIDE X 60" DIA, HYDROSTATIC 132 HP D 92,266 33.40 6.94 8.86 2.51 5.74 208																	
R50TA005 RS-58A 84" WIDE X 60" DIA, HYDROSTATIC 132 HP D 100,632 35.73 7.58 9.70 2.73 5.74 208																	
R50TA006 RS-58D 84" WIDE X 60" DIA, HYDROSTATIC 132 HP D 97,396 34.82 7.32 9.36 2.64 5.74 222																	
R50TA007 RP-58D (PADS) 84" WIDE X 60" DIA, HYDROSTATIC 132 HP D 104,583 36.83 7.88 10.07 2.84 5.74 234																	

R55	ROOFING EQUIPMENT																

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		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
S10			SCRAPERS, ELEVATING							
	.01	0 THRU 200 HP								
			INTERNATIONAL/DRESSER							
	S10ID001	412B	11 CY, POWERSHIFT	165 HP D	160,591	41.32	10.20	11.87	4.26	5.31
			JOHN DEERE							
	S10JD001	762B	11 CY, 13.7 TON, POWERSHIFT	180 HP D	149,476	39.50	9.50	11.07	3.96	5.79
	.02	OVER 200 HP								
			CATERPILLAR							
	S10CA002	615-C	16 CY, 19 TON, POWERSHIFT	265 HP D	256,061	63.43	16.68	20.22	6.57	8.53
	S10CA003	623-E	22 CY, 25 TON, POWERSHIFT	365 HP D	361,430	89.92	23.41	28.27	9.27	11.75
			FIATALLIS							
	S10FI001	161	15 CY, 18.7 TON, POWERSHIFT	229 HP D	211,307	53.31	13.67	16.50	5.42	7.37
	S10FI002	261B	23 CY, 26.5 TON, POWERSHIFT	325 HP D	316,909	78.65	20.60	24.93	8.13	10.46
			JOHN DEERE							
	S10JD002	862B	16 CY, 20.0 TON, POWERSHIFT	265 HP D	211,974	54.96	13.72	16.55	5.44	8.53
S15			SCRAPERS, CONVENTIONAL							
			CATERPILLAR		Jul 1989					
	S15CA001	621-E	14-20 CY, 24 TON, POWERSHIFT	330 HP D	325,256	80.04	20.97	25.23	8.35	9.47
	S15CA002	631-E	21-31 CY, 37.5 TON, POWERSHIFT	450 HP D	514,953	123.60	33.25	40.07	13.21	12.92
	S15CA003	651-E	32-44 CY, 52 TON, POWERSHIFT	550 HP D	674,502	159.74	43.68	52.74	17.31	15.79
			FIATALLIS							
	S15FI001	260B	15-21 CY, 25 TON, POWERSHIFT	330 HP D	279,350	70.43	18.02	21.70	7.17	9.47

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			
S15 SCRAPERS, CONVENTIONAL											
			KOMATSU								
	S15KM001	WS23S-2	21-31 CY, PUSH PULL	450 HP D	527,073	124.96	34.24	41.44	13.52	12.92	805
S20 SCRAPERS, TANDEM POWERED											
			CATERPILLAR								
3 - 90	S20CA001	627-E	14-20 CY, 24 TON, POWERSHIFT (WITH CARRIER ENGINE)	225 HP D 225 HP D	375,126	97.87	24.27	29.30	9.62	13.70	758
	S20CA002	627-E PP	14-20 CY, 24 TON, PUSH-PULL, PS (WITH CARRIER ENGINE)	225 HP D 225 HP D	398,265	102.27	25.84	31.24	10.22	13.70	790
	S20CA003	637-E	21-31 CY, 37.5 TON, POWERSHIFT (WITH CARRIER ENGINE)	450 HP D 250 HP D	651,366	164.06	42.48	51.53	16.71	21.32	1,100
	S20CA004	637-E PP	21-31 CY, 37.5 TON, PUSH-PULL,PS (WITH CARRIER ENGINE)	450 HP D 250 HP D	678,172	169.16	44.29	53.78	17.40	21.32	1,136
	S20CA005	657-E	32-44 CY, 52 TON, POWER SHIFT (WITH CARRIER ENGINE)	550 HP D 400 HP D	814,441	207.75	53.15	64.49	20.90	28.93	1,522
	S20CA006	657-E PP	32-44 CY, 52 TON, PUSH-PULL, PS (WITH CARRIER ENGINE)	550 HP D 400 HP D	863,908	217.16	56.50	68.65	22.17	28.93	1,597
			KOMATSU								
	S20KM001	WS23-2	21-31 CY (WITH CARRIER ENGINE)	399 HP D 399 HP D	587,830	155.74	38.18	46.19	15.08	24.30	1,032
			TEREX								
	S20TE001	TS-14B	14-20 CY, 23.5 TON (WITH CARRIER ENGINE)	144 HP D 144 HP D	316,478	78.88	20.50	24.76	8.12	8.77	576
	S20TE002	TS-24C	24-34 CY, 40.8 TON (WITH CARRIER ENGINE)	480 HP D 260 HP D	631,997	162.94	41.05	49.66	16.22	22.53	1,128

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)	92,821	17.64	5.17	5.50	2.42	0.00	235
	S25RM002	R69H	18-26 CY, 27 TON, WITH HYDRAULICS (ADD TRACTOR)	103,706	20.17	5.58	5.74	2.71	0.00	373
S35			SNOW REMOVAL EQUIPMENT							
			AMERICAN ROAD MACHINERY							
6-91	S35AR001	112	REVERSIBLE SNOW PLOW (ADD DUMP TRK)	2,426	0.61	0.19	0.24	0.07	0.00	15
	S35AR002	713	1-WAY TRIP SNOW PLOW (ADD DUMP TRK)	3,951	0.99	0.31	0.39	0.11	0.00	20
S40			SOIL STABILIZERS							
			BOMAG							
	S40BO001	MPH-100R	14.5" DEEP X 79" WIDE, HYDROSTATIC	345 HP D	217,966	61.10	14.21	16.85	5.78	11.11
			CATERPILLAR							
	S40CA001	RR250	12" DEEP X 96" WIDE, HYDROSTATIC	335 HP D	200,305	56.51	12.98	15.34	5.31	10.78
	S40CA002	SS250	18" DEEP X 96" WIDE, HYDROSTATIC	335 HP D	180,100	52.35	11.69	13.81	4.78	10.78
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	10,084	4.81	0.95	1.32	0.29	0.00
	S45DA002	02-7	220 TON, S FORCE, SIZE 7,(ADD COMP)	80 CFM A	11,850	5.56	1.12	1.55	0.34	0.00
										2
										2

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		
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	11,850	5.56	1.12	1.55	0.34	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	12,187	5.78	1.15	1.59	0.35	0.00
T10			TRACTOR BLADES & ATTACHMENTS							
			CATERPILLAR							
	T10CA001	3P	BLADE, POWER ANGLE TILT, FOR D3	9,757	2.08	0.65	0.77	0.26	0.00	24
	T10CA002	53	WINCH, (ADD CABLE),FOR D3 TRACTOR	7,060	1.52	0.47	0.55	0.19	0.00	9
	T10CA003	4S	BLADE, STRAIGHT, HYDRAULIC, FOR D4	11,884	2.51	0.79	0.93	0.32	0.00	34
	T10CA004	4A	BLADE, ANGLE, HYDRAULIC, FOR D4	12,124	2.55	0.80	0.95	0.32	0.00	34
	T10CA005	54	WINCH, (ADD CABLE),FOR D4 TRACTOR	20,653	4.30	1.36	1.62	0.55	0.00	20
	T10CA006	5S	BLADE, STRAIGHT, HYDRAULIC, FOR D5	14,198	2.99	0.94	1.12	0.38	0.00	41
	T10CA007	5A	BLADE, ANGLE, HYDRAULIC, FOR D5	14,446	3.03	0.95	1.14	0.38	0.00	42
	T10CA008	55	WINCH, (ADD CABLE),FOR D5 TRACTOR	17,671	3.69	1.17	1.39	0.47	0.00	22
	T10CA009	6S	BLADE, STRAIGHT, HYDRAULIC, FOR D6	19,011	3.96	1.25	1.49	0.50	0.00	52
	T10CA010	6A	BLADE, ANGLE, HYDRAULIC, FOR D6	21,053	4.38	1.39	1.65	0.56	0.00	63
	T10CA011	56	WINCH, (ADD CABLE),FOR D6 TRACTOR	23,808	4.94	1.57	1.87	0.63	0.00	32
	T10CA012	78	BLADE, STRAIGHT, HYDRAULIC, FOR D7	27,174	5.64	1.79	2.14	0.72	0.00	76
	T10CA013	7U	BLADE, UNIVERSAL, HYDRAULIC, FOR D7	29,904	6.19	1.97	2.35	0.79	0.00	87
	T10CA014	7A	BLADE, ANGLE, HYDRAULIC, FOR D7	28,283	5.86	1.86	2.22	0.75	0.00	80
	T10CA015	57	WINCH, (ADD CABLE),FOR D7 TRACTOR	29,539	6.13	1.94	2.32	0.78	0.00	41
	T10CA016	8S	BLADE, STRAIGHT, HYDRAULIC, FOR D8	36,182	7.51	2.38	2.84	0.96	0.00	126
	T10CA017	8U	BLADE, UNIVERSAL, HYDRAULIC, FOR D8	38,487	8.00	2.54	3.03	1.02	0.00	136
	T10CA018	8A	BLADE, ANGLE, HYDRAULIC, FOR D8	35,547	7.39	2.34	2.79	0.94	0.00	136
	T10CA019		BLADE, PUSH PLATE FOR D8	1,196	0.29	0.08	0.09	0.03	0.00	6
	T10CA020	58	WINCH, (ADD CABLE),FOR D8 TRACTOR	28,640	6.00	1.89	2.25	0.76	0.00	47
	T10CA021	9SU	BLADE, SEMI-U, HYDRAULIC, FOR D9	47,310	9.86	3.12	3.72	1.26	0.00	155
	T10CA022	9U	BLADE, UNIVERSAL, HYDRAULIC, FOR D9	49,097	10.22	3.23	3.86	1.30	0.00	153
	T10CA023	59	WINCH, (ADD CABLE),FOR D9 TRACTOR	32,372	6.81	2.13	2.54	0.86	0.00	45
	T10CA024	10SU	BLADE, SEMI-U, HYDRAULIC, FOR D10	64,979	13.57	4.29	5.11	1.73	0.00	231
	T10CA025	10U	BLADE, UNIVERSAL, HYDRAULIC, FOR D10	69,896	14.57	4.61	5.49	1.86	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					
T10	TRACTOR BLADES & ATTACHMENTS *****												
CATERPILLAR													
	T10CA026	11S	BLADE, STRAIGHT, HYDRAULIC, FOR D11	93,225	19.46	6.15	7.33	2.48	0.00	351			
	T10CA027	11U	BLADE, UNIVERSAL, HYDRAULIC, FOR D11	101,513	21.17	6.69	7.98	2.70	0.00	400			
INTERNATIONAL/DRESSER													
	T10ID001	15D-2	BLADE, SEMI-U, HYDRAULIC, FOR 15D-2	15,885	3.30	1.05	1.25	0.42	0.00	45			
	T10ID002	15G-2	BLADE, ANGLE, HYDRAULIC, FOR 15G-2	18,004	3.74	1.19	1.42	0.48	0.00	48			
	T10ID003	20D-2	BLADE, SEMI-U, HYDRAULIC, FOR 20D-2	26,470	5.46	1.74	2.08	0.70	0.00	61			
	T10ID004	20G-2	BLADE, ANGLE, HYDRAULIC, FOR 20G-2	28,814	5.94	1.90	2.26	0.77	0.00	71			
	T10ID005	25D-2	BLADE, SEMI-U, HYDRAULIC, FOR 25D-2	36,560	7.57	2.41	2.87	0.97	0.00	114			
	T10ID006	25G-2	BLADE, ANGLE, HYDRAULIC, FOR 25G-2	39,180	8.13	2.58	3.08	1.04	0.00	115			
	T10ID007	40	BLADE, SEMI-U, HYDRAULIC, FOR 40	38,537	7.95	2.54	3.03	1.02	0.00	192			
	T10ID008	40	BLADE, ANGLE, HYDRAULIC, FOR 40	43,243	8.97	2.85	3.40	1.15	0.00	210			
KOMATSU													
	T10KM001	D31E-18	BLADE, ANGLE TILT, FOR D31E-18	11,356	2.47	0.75	0.89	0.30	0.00	20			
	T10KM002	D37E-2	BLADE, ANGLE TILT, FOR D37E-2	11,638	2.52	0.77	0.91	0.31	0.00	24			
	T10KM003	D58E-1	BLADE, ANGLE TILT, FOR D58E-1	12,149	2.63	0.80	0.95	0.32	0.00	42			
	T10KM004	D63E-1	BLADE, ANGLE TILT, FOR D63E-1	13,687	2.95	0.90	1.08	0.36	0.00	61			
	T10KM005	D68E-1	BLADE, ANGLE TILT, FOR D68E-1	16,723	3.59	1.10	1.31	0.44	0.00	99			
	T10KM006	D83E-1	BLADE, ANGLE TILT, FOR D83E-1	23,879	5.06	1.57	1.88	0.63	0.00	99			
	T10KM007	D83E-1	BLADE, U-DOZER, FOR D83E-1	29,382	6.20	1.94	2.31	0.78	0.00	104			
	T10KM008	D85E-21	BLADE, ANGLE TILT, FOR D85E-21	28,780	6.12	1.89	2.26	0.76	0.00	85			
	T10KM009	D85E-21	BLADE, U-DOZER, FOR D85E-21	34,386	7.37	2.26	2.70	0.91	0.00	77			
	T10KM010	D155A-2	BLADE, ANGLE TILT, FOR D155A-2	30,481	6.57	2.01	2.40	0.81	0.00	140			
	T10KM011	D155A-2	BLADE, U-DOZER, FOR D155A-2	44,514	9.50	2.93	3.50	1.18	0.00	142			
	T10KM012	D355A-5	BLADE, U-DOZER, FOR D355A-5	50,291	10.73	3.32	3.95	1.34	0.00	196			
	T10KM013	D355A-5	BLADE, STRAIGHT, FOR D355A-5	45,371	9.68	3.00	3.57	1.21	0.00	184			
	T10KM014	D375A-1	BLADE, U-DOZER, FOR D375A-1	59,463	12.79	3.92	4.67	1.58	0.00	229			
	T10KM015	D375A-1	BLADE, ANGLE TILT, FOR D375A-1	44,984	9.59	2.96	3.54	1.19	0.00	195			
	T10KM016	D475A-1	BLADE, STRAIGHT, FOR D475A-1	74,628	15.95	4.92	5.87	1.98	0.00	240			
T15	TRACTORS, CRAWLER (DOZER) (add attachments as required) *****												
	.01 0 THRU 225 HP												

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								
			CATERPILLAR								
	T15CA001	D-3B	POWERSHIFT, (ADD BLADE)	65 HP D	45,242	14.29	2.90	3.32	1.24	2.21	132
	T15CA002	D-3B LGP	LOW GROUND PRESSURE, (ADD BLADE)	65 HP D	51,634	15.88	3.31	3.78	1.42	2.21	145
	T15CA003	D-3C	POWERSHIFT, (ADD BLADE)	67 HP D	48,780	15.27	3.13	3.58	1.34	2.27	146
	T15CA004	D-4H	POWERSHIFT, (ADD BLADE)	95 HP D	64,037	20.36	4.11	4.69	1.76	3.22	187
	T15CA005	D-4H LGP	LOW GROUND PRESSURE, (ADD BLADE)	95 HP D	72,063	22.36	4.62	5.28	1.98	3.22	213
	T15CA006	D-5H	POWERSHIFT, (ADD BLADE)	120 HP D	105,398	31.84	6.76	7.73	2.89	4.07	235
	T15CA007	D-5H LGP	LOW GROUND PRESSURE, (ADD BLADE)	120 HP D	119,551	35.37	7.66	8.76	3.28	4.07	283
	T15CA008	D-6D	POWERSHIFT, (ADD BLADE)	140 HP D	119,300	36.22	7.64	8.74	3.27	4.75	288
	T15CA009	D-6D SA	SPECIAL APPLICATION, (ADD BLADE)	165 HP D	139,231	42.37	8.93	10.21	3.82	5.60	302
	T15CA010	D-6H	POWERSHIFT, (ADD BLADE)	165 HP D	143,771	43.49	9.21	10.54	3.94	5.60	324
	T15CA011	D-6H LGP	LOW GROUND PRESSURE, (ADD BLADE)	165 HP D	166,387	49.14	10.66	12.20	4.56	5.60	372
	T15CA012	D-7G	POWERSHIFT, (ADD BLADE)	200 HP D	186,650	55.80	11.96	13.68	5.12	6.79	384
	T15CA013	D-7H	POWERSHIFT, (ADD BLADE)	215 HP D	212,230	62.88	13.60	15.56	5.82	7.29	415
	T15CA014	D-7H LGP	LOW GROUND PRESSURE, (ADD BLADE)	215 HP D	243,903	70.78	15.63	17.88	6.69	7.29	470
			CASE								
	T15CS001	450C	WITH POWER ANGLE TILT BLADE, PS	63 HP D	50,497	15.51	3.24	3.70	1.39	2.14	114
	T15CS002	850D	WITH HYDR ANGLE TILT BLADE, PS/TC	82 HP D	74,018	22.25	4.75	5.43	2.03	2.78	192
	T15CS003	850D LGP	WITH HYDR ANGLE TILT BLADE, PS/TC	82 HP D	78,777	23.43	5.05	5.77	2.16	2.78	192
	T15CS004	1150E	WITH HYDR ANGLE TILT BLADE, PS/TC	113 HP D	103,996	31.15	6.66	7.62	2.85	3.83	247
	T15CS005	1150E LGP	WITH HYDR ANGLE TILT BLADE, PS/TC	113 HP D	115,096	33.94	7.38	8.44	3.16	3.83	247
	T15CS006	1450B	WITH HYDR ANGLE TILT BLADE, PS	140 HP D	143,190	42.20	9.18	10.50	3.93	4.75	345
			PIATALLIS								
	T15FI001	FD5	WITH POWER ANGLE TILT BLADE, PS	70 HP D	58,599	17.87	3.76	4.30	1.61	2.38	140
	T15FI002	FD7	WITH POWER ANGLE TILT BLADE, PS	84 HP D	68,804	21.05	4.41	5.04	1.89	2.85	171
	T15FI003	FD9	WITH SEMI-U TILT BLADE, PS	107 HP D	103,214	30.70	6.62	7.57	2.83	3.63	237
	T15FI004	10C	WITH HYDRAULIC SEMI-U TILT BLADE, PS	122 HP D	118,232	35.13	7.58	8.67	3.24	4.14	279
	T15FI005	10C LGP	WITH STRAIGHT HYDR TILT BLADE, PS	122 HP D	130,919	38.30	8.39	9.60	3.59	4.14	327
	T15FI006	14C	WITH HYDRAULIC SEMI-U TILT BLADE, PS	150 HP D	155,184	45.64	9.95	11.37	4.26	5.09	332
	T15FI007	14C LGP	WITH STRAIGHT HYDR TILT BLADE, PS	150 HP D	179,399	51.68	11.50	13.15	4.92	5.09	412
	T15FI008	FD20	WITH HYDRAULIC SEMI-U TILT BLADE, PS	223 HP D	228,869	67.41	14.67	16.78	6.28	7.57	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	60,975	18.45	3.91	4.47	1.67	2.38	140
	T15ID002	TD-8-G	WITH HYDRAULIC BLADE, POWERSHIFT	80 HP D	78,761	23.34	5.05	5.77	2.16	2.71	180
	T15ID003	TD-12	WITH HYDRAULIC BLADE, POWERSHIFT	110 HP D	118,846	34.72	7.62	8.71	3.26	3.73	281
	T15ID004	TD-15-C	POWERSHIFT, (ADD BLADE)	140 HP D	131,591	39.30	8.44	9.65	3.61	4.75	280
	T15ID005	TD-20-G	POWERSHIFT, (ADD BLADE)	225 HP D	210,931	63.02	13.52	15.46	5.79	7.63	438
			JOHN DEERE								
	T15JD001	400G	WITH POWER ANGLE TILT BLADE	60 HP D	45,378	14.09	2.91	3.33	1.24	2.04	114
	T15JD002	450G	WITH 6405 HYDRAULIC BLADE, PS	70 HP D	52,691	16.39	3.38	3.86	1.45	2.38	153
	T15JD003	550G	WITH 6405 HYDRAULIC BLADE, PS	80 HP D	58,309	18.24	3.74	4.27	1.60	2.71	167
	T15JD004	650G	WITH 6405 HYDRAULIC BLADE, PS	90 HP D	65,394	20.46	4.19	4.79	1.79	3.05	188
	T15JD005	750B	WITH 6525 STRAIGHT W/TILT BLADE	120 HP D	98,719	30.18	6.33	7.24	2.71	4.07	291
	T15JD006	750B LGP	WITH 6525 HYDRAULIC TILT BLADE	120 HP D	102,942	31.23	6.60	7.55	2.82	4.07	313
	T15JD007	850B	WITH 6545 HYDRAULIC TILT BLADE	165 HP D	129,480	39.93	9.30	9.49	3.55	5.60	367
	T15JD008	850B LGP	WITH HYDRAULIC TILT BLADE	165 HP D	144,752	43.74	9.28	10.61	3.97	5.60	435
			KOMATSU								
	T15KM001	D31E-18	HYDROSHIFT, (ADD BLADE)	70 HP D	59,010	17.97	3.79	4.33	1.62	2.38	123
	T15KM002	D37E-2	HYDROSHIFT, (ADD BLADE)	75 HP D	65,825	19.88	4.22	4.82	1.81	2.54	127
	T15KM003	D58E-1	HYDROSHIFT, (ADD BLADE)	130 HP D	133,702	39.36	8.57	9.80	3.67	4.41	298
	T15KM004	D63E-1	POWERSHIFT, (ADD BLADE)	140 HP D	152,882	44.61	9.80	11.21	4.19	4.75	316
	T15KM005	D68E-1	POWERSHIFT, (ADD BLADE)	180 HP D	199,004	57.97	12.76	14.59	5.46	6.11	412
	T15KM006	D83E-1	POWERSHIFT, (ADD BLADE)	205 HP D	230,460	66.96	14.77	16.89	6.32	6.96	360
	T15KM007	D85E-21	POWERSHIFT, (ADD BLADE)	225 HP D	247,976	72.26	15.89	18.18	6.80	7.63	445
	.02		226 HP THRU 425 HP								
			CATERPILLAR								
	T15CA015	D-8L	POWERSHIFT, (ADD BLADE)	335 HP D	291,152	81.26	19.17	22.88	7.73	11.37	735
	T15CA016	D-8N	POWERSHIFT, (ADD BLADE)	285 HP D	268,486	73.90	17.68	21.10	7.13	9.67	597
	T15CA017	D-9N	POWERSHIFT, (ADD BLADE)	370 HP D	347,386	95.68	22.88	27.30	9.23	12.55	817

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 298,860	81.52	19.69	23.49	7.94	10.18	737	
		T15FI010	FD30B WITH SEMI-U BLADE, POWERSHIFT	340 HP D 310,329	85.88	20.44	24.39	8.24	11.54	698	
			INTERNATIONAL/DRESSER								
		T15ID006	TD-25-G POWERSHIFT, (ADD BLADE)	320 HP D 287,456	79.77	18.94	22.59	7.64	10.86	618	
			KOMATSU								
		T15KM008	D155A-2 POWERSHIFT, (ADD BLADE)	320 HP D 316,848	86.51	20.87	24.90	8.42	10.86	658	
		T15KM009	D355A-5 POWERSHIFT, (ADD BLADE)	404 HP D 459,731	122.90	30.28	36.13	12.21	13.71	1,059	
	.03		OVER 425 HP								
			CATERPILLAR								
		T15CA018	D-10N POWERSHIFT, (ADD BLADE)	520 HP D 454,666	116.83	27.37	31.83	11.45	17.64	1,038	
		T15CA019	D-11N POWERSHIFT, (ADD BLADE)	770 HP D 785,814	196.52	47.30	55.01	19.79	26.13	1,622	
			FIATALLIS								
		T15FI011	FD40 WITH SEMI-U BLADE, POWERSHIFT	455 HP D 485,632	120.57	29.23	33.99	12.23	15.44	1,101	
		T15FI012	FD40B WITH HYDR SEMI-U BLADE, POWERSHIFT	475 HP D 508,640	126.22	30.61	35.60	12.81	16.12	1,153	
		T15FI013	FD50 WITH HYDR SEMI-U BLADE, POWERSHIFT	525 HP D 604,582	148.36	36.39	42.32	15.23	17.81	1,291	
			INTERNATIONAL/DRESSER								
		T15ID007	TD-40 POWERSHIFT, (ADD BLADE)	460 HP D 394,735	101.80	23.76	27.63	9.94	15.61	940	
			KOMATSU								
		T15KM010	D375A-1 POWERSHIFT, (ADD BLADE)	508 HP D 542,456	134.67	32.65	37.97	13.66	17.24	1,234	
		T15KM011	D475A-1 POWERSHIFT, (ADD BLADE)	740 HP D 1,014,721	243.06	61.07	71.03	25.55	25.11	1,636	

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									
T20	TRACTORS, WHEEL TYPE (DOZER)																

CATERPILLAR																	
	T20CA001	814-B	WITH STRAIGHT BLADE, ARTICULATED, PS	210 HP D	201,364	47.33	13.29	16.23	5.17	6.58							
	T20CA002	824-C	WITH STRAIGHT BLADE, ARTICULATED, PS	310 HP D	287,100	70.03	18.56	22.37	7.37	9.71							
	T20CA003	834-B	WITH STRAIGHT BLADE, ARTICULATED, PS	450 HP D	432,234	101.71	27.78	33.37	11.09	14.09							
MICHIGAN / VME																	
	T20MC001	280C	WITH STRAIGHT BLADE, ARTICULATED, PS	302 HP D	324,707	75.25	21.03	25.40	8.33	9.46							
	T20MC002	W380	WITH STRAIGHT BLADE, ARTICULATED, PS	572 HP D	616,618	142.15	38.09	44.53	15.82	17.92							
T25	TRACTORS, WHEEL TYPE (FARM)																

JOHN DEERE																	
	T25JD001	2155	INDUSTRIAL 2WD	53 HP D	17,154	6.43	1.27	1.64	0.45	1.66							
	T25JD002	2355	INDUSTRIAL 2WD	64 HP D	18,599	7.19	1.40	1.81	0.49	2.00							
	T25JD003	2555	INDUSTRIAL 2WD	72 HP D	20,973	8.09	1.58	2.06	0.55	2.26							
	T25JD004	2755	INDUSTRIAL 2WD	87 HP D	23,361	9.25	1.79	2.33	0.62	2.72							
T30	TRENCHERS, CHAIN																

DITCH WITCH																	
	T30DW001	C99	24" DEEP X 6" WIDE, WALK-BEHIND	9 HP G	3,377	1.79	0.25	0.31	0.09	0.70							
	T30DW002	2200	36" DEEP X 6" WIDE, 4WD, W/BLADE	18 HP G	14,310	5.59	1.08	1.38	0.39	1.40							
	T30DW003	3210	40" DEEP X 6" WIDE, 4WD,W/DBL PIVOT	28 HP G	28,857	10.45	2.19	2.80	0.79	2.18							
	T30DW004	2310	36" DEEP X 6" WIDE, 4WD, W/BLADE	28 HP G	22,862	8.85	1.73	2.21	0.62	2.18							
	T30DW005	3500	42" DEEP X 6" WIDE, 4WD,W/DBL PIVOT	35 HP D	27,317	8.64	2.06	2.64	0.74	1.10							
	T30DW006	5010	47" DEEP X 6" WIDE, 4WD,W/DBL PIVOT	53 HP D	40,446	12.83	3.07	3.93	1.10	1.66							
	T30DW007	6510	47" DEEP X 6" WIDE, 4WD,W/DBL PIVOT	64 HP D	41,990	13.71	3.15	4.01	1.14	2.00							
	T30DW008	6510	60" DEEP X 6" WIDE, 4WD, W/BLADE	64 HP D	41,273	13.52	3.09	3.94	1.12	2.00							
	T30DW009	7510	54" DEEP X 6-8" WIDE,4WD,W/DBL PIVOT	74 HP D	54,259	17.37	4.09	5.21	1.48	2.32							
	T30DW010	R100	69" DEEP X 8" WIDE, 4WD, W/BLADE	101 HP D	95,569	29.49	7.00	8.79	2.60	3.16							

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 TRENCHERS, CHAIN																

DITCH WITCH																

	T30DW011	HT100	69" DEEP X 8" WIDE, 4WD, W/BLADE, CWLR	118 HP D	103,458	32.13	7.90	10.16	2.82	3.70						
			VERMEER													
	T30VE001	V-1550	48" DEEP X 4-10" WIDE, WALK-BEHIND	18 HP G	7,514	3.78	0.57	0.74	0.20	1.40						
	T30VE002	LM-35	42" DEEP X 3.5-5" WIDE, PLOW TRENCHR	35 HP D	25,059	8.04	1.86	2.35	0.68	1.10						
	T30VE003	V-450	60" DEEP X 6-18" WIDE, BACKHOE/BLADE	54 HP D	42,801	13.49	3.22	4.09	1.17	1.69						
	T30VE004	M-455A	60" DEEP X 8-18" WIDE, BACKHOE/BLADE	53 HP D	48,800	15.03	3.67	4.67	1.33	1.66						
	T30VE005	T-600D	72" DEEP X 10-24" WIDE, CRAWLER	113 HP D	94,274	29.50	7.20	9.26	2.57	3.54						
	T30VE006	T-800C	96" DEEP X 12-36" WIDE, CRAWLER	175 HP D	169,737	51.97	12.96	16.68	4.62	5.48						
T35 TRENCHERS, WHEEL TYPE																

BARBER-GREENE																

	T35BG001	TA 56	70" DEEP X 16-30" WIDE, CRAWLER	100 HP D	156,106	37.84	10.29	12.27	4.15	3.13						
	T35BG002	TA 65	90" DEEP X 22-44" WIDE, CRAWLER	160 HP D	226,306	55.44	14.91	17.79	6.01	5.01						
	T35BG003	TA 77	102" DEEP X 26-66" WIDE, CRAWLER	160 HP D	298,329	71.04	19.65	23.45	7.92	5.01						
CLEVELAND TRENCHER																

	T35CT001	9624-5	72" DP X 21.5" W, 16"ROUND BKT, CRWLR	140 HP D	155,873	39.38	10.27	12.25	4.14	4.38						
	T35CT002	9600-S-4	72" DP X 19.5" W, 14"ROUND BKT, CRWLR	140 HP D	189,906	46.75	12.51	14.93	5.04	4.38						
	T35CT003	246-FD4	84" DP X 21" W, 16"ROUND BKT, CRAWLER	185 HP D	213,909	53.75	14.09	16.81	5.68	5.79						
	T35CT004	7036-1	84" DP X 21.5" W, 16"ROUND BKT, CRWLR	102 HP D	188,111	44.84	12.40	14.79	5.00	3.19						
	T35CT005	7036-HD-2	84" DP X 27.5" W, 22"ROUND BKT, CRWLR	102 HP D	200,572	47.53	13.21	15.76	5.33	3.19						
	T35CT006	7036-3	84" DP X 33.5" W, 28"ROUND BKT, CRWLR	102 HP D	190,867	45.43	12.57	15.00	5.07	3.19						
	T35CT007	7036-SD-3	84" DP X 33.5" W, 28"ROUND BKT, CRWLR	102 HP D	211,005	49.80	13.90	16.58	5.61	3.19						
	T35CT008	8700-2	84" DP X 31.5" W, 22" BKT, ROTO TEETH	150 HP D	268,889	64.27	17.71	21.13	7.14	4.70						
	T35CT009	7648-2	90" DP X 30" W, 22"ROUND BKT, CRAWLER	150 HP D	300,236	71.08	19.78	23.60	7.98	4.70						
	T35CT010	7648-SD-4	90" DP X 42" W, 34"ROUND BKT, CRWLR	150 HP D	312,353	73.70	20.58	24.55	8.30	4.70						
	T35CT011	400W-HD3	108" DP X 48" W, 40"ROUND BKT, CRWLR	175 HP D	361,011	85.23	23.78	28.38	9.59	5.48						

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'	31,403	8.07	2.40	3.08	0.86	0.00	39
	T40XX002		MAX CAP. 7.3 TON, MAX. BOOM 63'	49,512	12.65	3.78	4.85	1.35	0.00	94
	T40XX003		MAX CAP. 8.0 TON, MAX. BOOM 85'	51,829	13.23	3.95	5.08	1.41	0.00	109
	T40XX004		MAX CAP. 14.0 TON, MAX. BOOM 118'	58,331	14.91	4.45	5.72	1.59	0.00	143
	T40XX005		MAX CAP. 16.5 TON, MAX. BOOM 118'	70,079	17.90	5.35	6.87	1.91	0.00	143
	T40XX006		MAX CAP. 17.5 TON, MAX. BOOM 140'	82,623	21.09	6.30	8.10	2.25	0.00	193
	.20		DUMP BODY, REAR							
			NO SPECIFIC MANUFACTURER							
	T40XX007		5 CY, 24000 TO 26000 GVW	7,376	1.82	0.56	0.72	0.20	0.00	26
	T40XX008		9 CY, 27000 TO 30000 GVW, AIR GATE	11,682	2.83	0.89	1.14	0.32	0.00	44
	T40XX009		10 CY, 36000 AND UP GVW, AIR GATE	11,818	2.86	0.90	1.16	0.32	0.00	45
	T40XX010		12 CY, 36000 AND UP GVW, AIR GATE	11,989	2.90	0.92	1.17	0.33	0.00	46
	.30		FLATBEDS, W/ CONT. SIDES							
			NO SPECIFIC MANUFACTURER							
	T40XX011		8' x 8.0'	2,396	0.52	0.19	0.23	0.07	0.00	11
	T40XX012		8' x 9.0'	2,479	0.54	0.19	0.24	0.07	0.00	12
	T40XX013		8' x 10.0'	2,594	0.56	0.20	0.25	0.07	0.00	14
	T40XX014		8' x 12.0'	2,796	0.61	0.22	0.27	0.08	0.00	16
	T40XX015		8' x 14.0'	3,023	0.66	0.23	0.30	0.08	0.00	16
	T40XX016		8' x 16.0'	3,329	0.73	0.26	0.33	0.09	0.00	16
	T40XX017		8' x 18.0'	3,601	0.79	0.28	0.35	0.10	0.00	17
	T40XX018		8' x 20.0'	3,832	0.84	0.29	0.38	0.10	0.00	18
	T40XX019		8' x 22.0'	4,095	0.89	0.31	0.40	0.11	0.00	18
	T40XX020		8' x 24.0'	4,364	0.96	0.34	0.43	0.12	0.00	20
	T40XX021		2 TON, FLATBED HOIST	3,852	0.84	0.29	0.38	0.10	0.00	15
	T40XX022		4 TON, FLATBED HOIST	4,509	0.98	0.34	0.44	0.12	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 OWNERSHIP ELEMENTS		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
T40			TRUCK OPTIONS, (ADD TRUCK)							
	.40		HOIST							
	.41		ELECTRIC DRIVE							
			NO SPECIFIC MANUFACTURER							
	T40XX023		1500 LB AT 1.75'	2,774	0.74	0.22	0.27	0.08	0.00	4
	T40XX024		2400 LB AT 3'	3,234	0.85	0.25	0.32	0.09	0.00	6
	T40XX025		5000 LB AT 4'	8,924	2.18	0.68	0.87	0.24	0.00	15
	T40XX026		6000 LB AT 6'	10,044	2.44	0.76	0.98	0.27	0.00	14
	.50		TRANSIT MIXERS							
			NO SPECIFIC MANUFACTURER							
	T40XX027		7 CY (ADD 40000-50000 GVW TRUCK)	31,544	7.71	2.48	3.30	0.83	0.00	63
	T40XX028		8 CY (ADD 50000-70000 GVW TRUCK)	32,048	7.85	2.53	3.36	0.85	0.00	66
	T40XX029		8.5 CY (ADD 55000-75000 GVW TRUCK)	32,389	7.93	2.56	3.39	0.86	0.00	68
	T40XX030		9 CY (ADD 61000-80000 GVW TRUCK)	32,887	8.04	2.59	3.44	0.87	0.00	73
	.60		WATER TANKS							
			NO SPECIFIC MANUFACTURER							
	T40XX031		2000 GAL (ADD 23500-28000 GVW TRK)	14,108	3.08	1.07	1.38	0.38	0.00	35
	T40XX032		2500 GAL (ADD 25000-34950 GVW TRK)	14,879	3.27	1.14	1.46	0.41	0.00	39
	T40XX033		3000 GAL (ADD 29000-40000 GVW TRK)	15,835	3.47	1.21	1.55	0.43	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 RATES (\$/HR)		ADJUSTABLE ELEMENTS OWNERSHIP		FUEL	CWT
					AVERAGE	STANDBY	DEPR	CFC		
T45		TRUCK TRAILERS,								
	.10	BOTTOM DUMP								
			NO SPECIFIC MANUFACTURER							
		T45XX001	18 CY, 27 TON	31,326	6.54	1.99	2.38	0.80	0.00	122
		T45XX002	20 CY, 30 TON	37,123	7.69	2.39	2.87	0.95	0.00	140
		T45XX003	30 CY, 30 TON	37,625	7.80	2.43	2.91	0.97	0.00	160
		T45XX004	28 CY, 42 TON	44,756	9.31	2.86	3.41	1.15	0.00	180
		T45XX005	20 CY, 35 TON OFF-HIGHWAY	52,541	10.77	3.42	4.13	1.35	0.00	175
		T45XX006	32 CY, 55 TON OFF-HIGHWAY	109,886	23.19	6.81	7.98	2.82	0.00	365
		T45XX007	43 CY, 70 TON OFF-HIGHWAY	121,744	25.53	7.62	8.97	3.13	0.00	445
	.20	END DUMP								
			NO SPECIFIC MANUFACTURER							
		T45XX008	20 CY, 24 TON	41,441	8.30	2.68	3.23	1.06	0.00	146
	.30	PUP TRAILER								
			NO SPECIFIC MANUFACTURER							
		T45XX009	8 CY, LONG TONGUE	24,604	5.86	1.79	2.28	0.65	0.00	86
		T45XX010	10 CY, LONG TONGUE	24,789	5.90	1.80	2.30	0.65	0.00	86
	.40	LOWBOY (EQUIPMENT HAULING)								
	.41	RIGID NECK, DROP DECK								
			NO SPECIFIC MANUFACTURER							
		T45XX011	25 TON, 2 AXLE	24,376	4.26	1.41	1.43	0.69	0.00	89
		T45XX012	30 TON, 2 AXLE	27,221	4.74	1.58	1.61	0.77	0.00	94
		T45XX013	35 TON, 2 AXLE	29,746	5.15	1.73	1.77	0.84	0.00	109

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,								
	.41	RIGID NECK, DROP DECK								
		NO SPECIFIC MANUFACTURER								
	T45XX014	35 TON, 3 AXLE		34,309	6.02	1.97	1.99	0.97	0.00	134
	T45XX015	40 TON, 3 AXLE		35,839	6.31	2.06	2.07	1.02	0.00	144
	T45XX016	50 TON, 3 AXLE		41,218	7.18	2.39	2.43	1.17	0.00	161
	T45XX017	60 TON, 3 AXLE		44,633	7.91	2.53	2.53	1.26	0.00	188
	T45XX018	70 TON, 3 AXLE		54,100	9.41	3.12	3.17	1.53	0.00	213
	T45XX019	75 TON, 3 AXLE		55,836	9.68	3.22	3.28	1.58	0.00	228
	T45XX020	80 TON, 4 AXLE		63,518	10.93	3.71	3.81	1.80	0.00	266
	T45XX021	90 TON, 4 AXLE		68,517	11.86	3.96	4.04	1.94	0.00	297
	T45XX022	100 TON, 4 AXLE		75,909	13.14	4.39	4.48	2.15	0.00	313
	T45XX023	120 TON, 4 AXLE		88,133	15.47	5.02	5.03	2.50	0.00	351
	T45XX024	HELPER DOLLY (60 TON TRAILER MAX)		21,004	3.77	1.19	1.18	0.60	0.00	62
	.50	PLATFORM TRAILER								
		NO SPECIFIC MANUFACTURER								
	T45XX025	25 TON, 2 AXLE		20,217	3.65	1.14	1.13	0.57	0.00	110
	.60	TIILT TRAILER								
		NO SPECIFIC MANUFACTURER								
	T45XX026	12 TON, 2 AXLE		13,211	2.41	0.74	0.73	0.37	0.00	62
	T45XX027	16 TON, 2 AXLE		15,094	2.78	0.84	0.82	0.43	0.00	65
	T45XX028	20 TON, 2 AXLE		16,392	3.01	0.91	0.89	0.46	0.00	67
	.70	WATER TANKER TRAILER								
		NO SPECIFIC MANUFACTURER								
	T45XX029	4000 GAL	63 HP D	37,412	8.53	2.27	2.41	1.06	1.97	120
	T45XX030	5000 GAL	63 HP D	39,682	9.07	2.34	2.44	1.12	1.97	150
	T45XX031	6000 GAL	63 HP D	41,470	9.38	2.46	2.56	1.18	1.97	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	24,874	6.09	1.74	2.04	0.72	0.00	35
		T45HA002	30 FOOT, 4 SHOWER UNIT	30,019	7.33	2.11	2.47	0.87	0.00	45
		T45HA003	40 FOOT, 6 SHOWER UNIT	40,026	9.68	2.80	3.28	1.16	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	11,983	6.42	0.95	1.21	0.34	2.54
		T50FO002	F150 4X4 1/2-TON PICK-UP, 6250 GVW	137 HP G	14,000	6.97	1.11	1.42	0.40	2.54
		T50FO003	F250 4X2 3/4-TON PICK-UP, 8600 GVW	137 HP G	13,091	6.74	1.03	1.31	0.37	2.54
		T50FO004	F250 4X4 3/4-TON PICK-UP, 8800 GVW	137 HP G	15,975	7.52	1.26	1.61	0.45	2.54
		T50FO005	F350 4X2 1-TON PICK-UP, 10000 GVW	137 HP G	15,324	7.42	1.20	1.51	0.44	2.54
			GMC AND CHEVROLET							
		T50GM001	S10 4X2 COMPACT PICKUP, 3500 GVW	92 HP G	9,844	4.82	0.77	0.98	0.28	1.71
		T50GM002	S10 4X4 COMPACT PICKUP, 3800 GVW	92 HP G	11,739	5.30	0.92	1.18	0.33	1.71
		T50GM003	C14 4X2 1500 PICKUP, 5200 GVW	150 HP G	11,539	6.63	0.91	1.16	0.33	2.78
		T50GM004	C10906 4X2 SUBURBAN, 8600 GVW	165 HP G	16,218	8.18	1.29	1.65	0.46	3.06
		T50GM005	K10906 4X4 SUBURBAN, 8600 GVW	165 HP G	17,910	8.65	1.43	1.83	0.51	3.06
		T50GM006	C24 4X2 2500 PICKUP, 7200 GVW	245 HP G	12,853	9.24	1.02	1.29	0.37	4.55
		T50GM007	K24 4X4 2500 PICKUP, 7200 GVW	245 HP G	14,896	9.81	1.18	1.51	0.42	4.55
		T50GM008	C34 4X2 3500 PICKUP, 8600 GVW	245 HP G	13,489	9.40	1.06	1.36	0.38	4.55
		T50GM009	K34 4X4 3500 PICKUP, 8600 GVW	245 HP G	15,588	9.99	1.23	1.58	0.44	4.55
	.02		OVER 10,000 THRU 30,000 GVW							
			FORD							
		T50FO006	F600 21,000 GVW, 2 AXLE	164 HP G	27,394	15.22	1.95	2.36	0.77	6.85
3 - 103										

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	29,569	13.87	2.11	2.56	0.83	5.62
	T50FO008	F700	22,200 GVW, 2 AXLE	164 HP G	29,501	15.69	2.11	2.56	0.83	6.85
	T50FO009	F700	22,200 GVW, 2 AXLE	213 HP D	34,193	14.89	2.46	2.99	0.96	5.62
	T50FO010	F800	24,700 GVW, 2 AXLE	213 HP G	31,891	18.92	2.27	2.76	0.89	8.89
	T50FO011	F800	24,500 GVW, 2 AXLE	210 HP D	38,312	16.01	2.69	3.23	1.07	5.54
		GMC AND CHEVROLET								
	T50GM010	C5D042	4X2, 2 AXLE, 15000 GVW	163 HP G	23,620	14.34	1.67	2.02	0.66	6.81
	T50GM011	C6D042	4X2, 2 AXLE, 24000 GVW	163 HP G	27,758	15.25	1.98	2.40	0.78	6.81
	T50GM012	C6D042	4X2, 2 AXLE, 24000 GVW	170 HP D	30,732	12.71	2.20	2.67	0.86	4.49
	T50GM013	C7D042	4X2, 2 AXLE, 24000 GVW	200 HP G	27,812	17.32	1.97	2.38	0.78	8.35
	T50GM014	C7D042	4X2, 2 AXLE, 24000 GVW	170 HP D	31,958	13.11	2.25	2.71	0.89	4.49
		INTERNATIONAL/NAVISTAR								
	T50IT001	1654	16,000 GVW, 4X2, S SERIES, 2 AXLE	155 HP D	22,344	10.28	1.60	1.94	0.63	4.09
	T50IT002	1754	16,000 GVW, 4X2, S SERIES, 2 AXLE	165 HP D	26,403	11.51	1.90	2.32	0.74	4.36
	T50IT003	1954	21,700 GVW, 4X2, S SERIES, 2 AXLE	180 HP D	31,396	13.19	2.25	2.73	0.88	4.75
	.03	OVER 30,000 GVW								
		FORD								
	T50FO012	FT800	44,300 GVW, 3 AXLE	213 HP G	52,773	29.49	3.89	4.91	1.43	12.85
	T50FO013	LT8000	52,400 GVW, 3 AXLE	240 HP D	69,253	27.73	5.11	6.46	1.88	8.87
	T50FO014	LTS8000	54,000 GVW, 3 AXLE	240 HP D	73,468	28.72	5.43	6.86	2.00	8.87
	T50FO015	LNT8000	54,000 GVW, 3 AXLE	240 HP D	68,320	27.55	5.04	6.35	1.86	8.87
	T50FO016	CT8000	45,000 GVW, 3 AXLE	215 HP D	61,474	24.83	4.51	5.68	1.67	7.95
	T50FO017	LT9000	64,000 GVW, 3 AXLE	300 HP D	95,353	36.78	7.04	8.89	2.59	11.09
	T50FO018	LTS9000	66,000 GVW, 3 AXLE	240 HP D	100,730	35.21	7.43	9.37	2.74	8.87
	T50FO019	LNT9000	64,000 GVW, 3 AXLE	350 HP D	93,888	38.88	6.90	8.70	2.55	12.94
	T50FO020	CLT9000	64,000 GVW, 3 AXLE	400 HP D	110,398	44.78	8.22	10.43	3.00	14.78
		GMC AND CHEVROLET								

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

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (\$)	TOTAL	HOURLY	ADJUSTABLE ELEMENTS		FUEL	CWT
					AVERAGE	(\$/HR)	OWNERSHIP	DEPR		
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	41,818	26.15	3.02	3.75	1.14	12.06
	T50GM016	C7D064	6X4, 3 AXLE, 41000 GVW	205 HP D	46,920	21.06	3.40	4.25	1.27	7.58
			INTERNATIONAL/NAVISTAR							
	T50IT004	F2554	43,000 GVW, 6X4, S SERIES, 3 AXLE	215 HP D	55,221	23.41	4.04	5.07	1.50	7.95
	T50IT005	P2574	50,000 GVW, 6X4, S SERIES, 3 AXLE	240 HP D	77,927	29.71	5.78	7.31	2.12	8.87
	T50IT006	P5070	54,000 GVW, 6X4, PAYSTAR SERIES, 3AX	240 HP D	85,245	31.34	6.33	8.03	2.31	8.87
	T50IT007	P5070	53,200 GVW, 6X6, PAYSTAR SERIES, 3AX	240 HP D	104,386	35.65	7.79	9.92	2.83	8.87
			KENWORTH							
	T50KE001	T800	33,000 GVW, 76,800 GCW, 2 AXLE	270 HP D	87,510	32.61	6.66	8.56	2.38	9.98
	T50KE002	T600A	33,000 GVW, 76,800 GCW, 2 AXLE	270 HP D	95,523	34.41	7.27	9.35	2.59	9.98
	T50KE003	C500B	46,000 GVW, 3 AXLE	270 HP D	95,773	34.58	7.27	9.33	2.60	9.98
	T50KE004	K100E	50,000 GVW, 85,000 GCW, 3 AXLE	270 HP D	98,474	35.19	7.47	9.60	2.67	9.98
	T50KE005	W900B	50,000 GVW, 85,000 GCW, 3 AXLE	270 HP D	100,678	35.68	7.64	9.82	2.73	9.98
			MACK TRUCKS							
	T50MT001	R690T	HAULING, 33,500 GVW, 4X2	275 HP D	73,656	29.93	5.54	7.08	2.00	10.16
	T50MT002	MH-612	35,000 GVW, 4X2	300 HP D	80,874	32.74	6.10	7.80	2.20	11.09
	T50MT003	RW732	HAULING, 35,000 GVW, 4X2	300 HP D	80,942	32.75	6.10	7.80	2.20	11.09
	T50MT004	MH-613	46,000 GVW, 6X4	300 HP D	90,947	35.22	6.82	8.70	2.47	11.09
	T50MT005	R690ST	HAULING, 44,500 GVW, 6X4	275 HP D	87,388	33.24	6.55	8.35	2.37	10.16
	T50MT006	RW733	HAULING, 46,000 GVW, 6X4	300 HP D	92,129	35.48	6.91	8.81	2.50	11.09
	T50MT007	RD690SX	DUMP/MIXER, 70,000 GVW, 6X4	275 HP D	97,064	35.42	7.29	9.30	2.64	10.16
	T50MT008	DM690SX	ON/OFF,DUMP/MIXER, 78,000 GVW, 6X4	275 HP D	102,066	36.54	7.67	9.79	2.77	10.16
	T50MT009	RD8666S	DUMP/MIXER, 50,000 GVW, 6X6	400 HP D	128,247	48.48	9.66	12.36	3.48	14.78
	T50MT010	RD8666SX	DUMP/MIXER, 74,000 GVW, 6X6	400 HP D	142,528	51.70	10.76	13.77	3.87	14.78
			PETERBILT							
	T50PE001	376	65000 GCW, 2 AXLE	250 HP D	69,328	28.09	5.14	6.52	1.88	9.24
	T50PE002	375	46000 GVW, 110000 GCW, 3 AXLE	285 HP D	85,778	33.96	6.30	7.93	2.33	10.53
	T50PE003	362	46000 GVW, 110000 GCW, 3 AXLE	300 HP D	102,324	38.40	7.56	9.56	2.78	11.09

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		
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	105,099	39.72	7.77	9.83	2.85	11.64
	T50PE005	357	62000 GVW, 110000 GCW, 3 AXLE	285 HP D	98,758	36.88	7.29	9.21	2.68	10.53
T55			TRUCKS, OFF-HIGHWAY							
			CATERPILLAR							
	T55CA001	769C	22-30 CY, 35T, REAR DUMP, POWERSHIFT	450 HP D	359,021	73.89	20.90	23.63	9.08	8.61
	T55CA002	773B	30-45 CY, 50T, REAR DUMP, POWERSHIFT	650 HP D	505,307	106.08	29.22	32.85	12.79	12.44
	T55CA003	777B	47-67 CY, 85T, REAR DUMP, POWERSHIFT	870 HP D	731,962	154.56	41.97	46.90	18.52	16.65
	T55CA004	768C	PRIME MOVER TRACTOR, POWERSHIFT	450 HP D	317,605	65.61	18.32	20.56	8.04	8.61
	T55CA005	772B	PRIME MOVER TRACTOR, POWERSHIFT	650 HP D	474,989	99.90	26.88	29.72	12.02	12.44
	T55CA006	776B	PRIME MOVER TRACTOR, POWERSHIFT	870 HP D	637,142	135.39	35.75	39.26	16.12	16.65
			DJB/CATERPILLAR							
	T55DJ001	D25C 4X4	13-18 CY, 25T, REAR DUMP, ARTIC, PS	260 HP D	255,199	51.45	14.74	16.56	6.46	4.98
	T55DJ002	D250B 6X4	15-19 CY, 25T, REAR DUMP, ARTIC, PS	218 HP D	233,283	45.71	13.63	15.45	5.90	4.17
	T55DJ003	D30C 4X4	16-22 CY, 30T, REAR DUMP, ARTIC, PS	257 HP D	290,907	61.31	16.41	18.10	7.36	4.92
	T55DJ004	D300B 6X6	17-22 CY, 30T, REAR DUMP, ARTIC, PS	260 HP D	286,552	59.09	16.35	18.20	7.25	4.98
	T55DJ005	D350C 6X4	20-26 CY, 35T, REAR DUMP, ARTIC, PS	260 HP D	322,299	64.76	18.49	20.68	8.15	4.98
	T55DJ006	D35C 4X4	18-28 CY, 35T, REAR DUMP, ARTIC, PS	260 HP D	326,989	64.86	18.79	21.04	8.27	4.98
	T55DJ007	D400 6X6	23-29 CY, 40T, REAR DUMP, ARTIC, PS	385 HP D	380,070	77.70	21.91	24.57	9.62	7.37
	T55DJ008	D44B 4X4	23-31 CY, 44T, REAR DUMP, ARTIC, PS	460 HP D	439,803	88.30	25.49	28.72	11.13	8.80
	T55DJ009	D550B 6X6	32-43 CY, 55T, REAR DUMP, ARTIC, PS	460 HP D	533,305	107.63	30.64	34.30	13.49	8.80
			EUCLID/VME							
	T55EU001	R25-215FD	14-19 CY, 25T, REAR DUMP, POWERSHIFT	230 HP D	234,187	45.28	13.61	15.36	5.93	4.40
	T55EU002	R35-324TD	22-30 CY, 35T, REAR DUMP, POWERSHIFT	450 HP D	381,449	77.46	22.25	25.19	9.65	8.61
	T55EU003	R50-326LD	32-44 CY, 50T, REAR DUMP, POWERSHIFT	675 HP D	535,667	111.54	31.03	34.96	13.55	12.92
	T55EU004	R85-316ND	49-67 CY, 85T, REAR DUMP, POWERSHIFT	925 HP D	680,889	142.71	38.61	42.75	17.23	17.70
			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 231,870 46.30 13.55 15.36 5.87 4.29 370																	
T55TE002 2766 16-19 CY, 25 TON, REAR DUMP, ARTIC 237 HP D 252,039 49.90 14.51 16.26 6.38 4.54 379																	
T55TE003 3066 17-21 CY, 27 TON, REAR DUMP, ARTIC 258 HP D 270,967 53.64 15.62 17.51 6.86 4.94 397																	
T55TE004 33-05B 20-25 CY, 30 TON, REAR DUMP, PS 324 HP D 287,776 58.84 16.69 18.81 7.28 6.20 499																	
T55TE005 4066 23-29 CY, 36 TON, REAR DUMP, ARTIC 359 HP D 354,541 74.54 20.37 22.79 8.97 6.87 553																	
T55TE006 33-07 26-34 CY, 40 TON, REAR DUMP, PS 478 HP D 356,585 78.00 20.28 22.51 9.02 9.15 743																	
T55TE007 33-09 36-47 CY, 55 TON, REAR DUMP, PS 620 HP D 482,909 100.83 27.27 30.09 12.22 11.87 933																	
T55TE008 33-11D 51-70 CY, 85 TON, REAR DUMP, PS 861 HP D 666,775 139.65 37.58 41.42 16.87 16.48 1,274																	
UNIT RIG																	

T55UN001 MARK 24 45-63 CY, 77 TON, REAR DUMP 900 HP D 568,830 124.25 31.87 34.96 14.39 17.23 1,300																	
T55UN002 MARK 30 63-85 CY, 108 TON, REAR DUMP 1200 HP D 710,118 155.47 40.14 44.33 17.97 22.97 1,560																	
T55UN003 MARK 36 92-126 CY, 154 TON, REAR DUMP 1600 HP D 886,898 204.44 48.48 52.08 22.44 30.62 1,950																	
VOLVO/VME																	

T55VO001 A-20 12-16 CY, 19 TON, 6X6, REAR DUMP 186 HP D 163,675 34.11 9.39 10.49 4.14 3.56 346																	
T55VO002 A-25 13-17 CY, 23 TON, 4X4, REAR DUMP 240 HP D 204,228 43.14 11.71 13.07 5.17 4.59 325																	
T55VO003 A-25 13-17 CY, 23 TON, 6X6, REAR DUMP 240 HP D 219,141 45.32 12.62 14.15 5.54 4.59 373																	
T55VO004 A-35 21-25 CY, 32 TON, 6X6, REAR DUMP 326 HP D 286,178 60.92 16.30 18.12 7.24 6.24 538																	
WABCO/DRESSER																	

T55WA001 140M 30 CY, 33-38 TON, MECH REAR DUMP 485 HP D 387,830 79.38 22.63 25.64 9.81 9.28 652																	
T55WA002 210M 44 CY, 55-60 TON, MECH REAR DUMP 675 HP D 536,166 113.98 30.77 34.40 13.57 12.92 849																	
T55WA003 325M 67 CY, 85-95 TON, MECH REAR DUMP 930 HP D 710,682 153.23 39.40 42.83 17.98 17.80 1,270																	
T55WA004 385M 76 CY, 100-110 TON, MECH REAR DUMP 1050 HP D 894,655 183.36 50.71 56.14 22.64 20.10 1,690																	
T55WA005 510M 100 CY, 135-150 TON, MECH REAR DUMP 1350 HP D 1,292,944 260.51 73.32 81.22 32.71 25.84 2,005																	
T60	TRUCKS, WATER, OFF-HIGHWAY																

KLEIN																	

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		
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	3,050	3.24	0.38	0.57	0.09	1.25
	W25AC002	B4030 BG	HIGH PRES BELT DR, 4.0 GPM, 3,000 PSI	11 HP G	3,244	3.36	0.41	0.61	0.10	1.25
	W25AC003	5535 BG	HIGH PRES DIR DR, 5.5 GPM, 3,000 PSI	18 HP G	4,627	5.13	0.58	0.88	0.14	2.05
	W25AC004	B5535 BG	HIGH PRES BELT DR, 5.5 GPM, 3,000 PSI	18 HP G	4,899	5.29	0.62	0.93	0.15	2.05
			ATLANTIC							
	W25AN001	E200	COLD WATER, 1,800 PSI	5 HP E	2,373	2.28	0.31	0.47	0.07	0.48
	W25AN002	2000	HOT WATER, 1,800 PSI	5 HP E	3,737	3.05	0.48	0.73	0.11	0.48
	W25AN003	H320	COLD WATER, 3,200 PSI	11 HP G	2,860	3.18	0.37	0.56	0.09	1.25
	W25AN004	3200	HOT WATER, 3,200 PSI	11 HP G	4,710	4.23	0.60	0.92	0.14	1.25
			HOMELITE							
	W25HO001	HPW2000B	PRESSURE WASHER, 4.0 GPM, 2,000 PSI	9 HP D	1,644	1.47	0.21	0.32	0.05	0.41
	W25HO002	HPW3000B	PRESSURE WASHER, 5.4 GPM, 3,000 PSI	13 HP D	2,812	2.38	0.37	0.55	0.09	0.60
			.20 HIGH PRESSURE, (>= 5,000 PSI)							
			WEATHERFORD/AMERICAN AERO							
	W25WE001	WBE 50TEFC	7 GPM AT 10,000 PSI WITH 2 NOZZLES TRAILER MOUNTED	50 HP E	30,184	19.47	2.82	3.91	0.86	4.75
	W25WE002	WBE 75TEFC	10 GPM AT 10,000 PSI WITH 2 NOZZLES TRAILER MOUNTED	75 HP E	32,810	24.12	3.06	4.25	0.93	7.13
	W25WE003	WBD 90	10 GPM AT 10,000 PSI WITH 2 NOZZLES TRAILER MOUNTED	91 HP D	42,195	22.61	3.94	5.48	1.20	4.20
	W25WE004	WBE 150TEFC	20 GPM AT 10,000 PSI WITH 2 NOZZLES TRAILER MOUNTED	150 HP E	49,905	41.83	4.65	6.48	1.41	14.25
	W25WE005	WBD150	20 GPM AT 10,000 PSI WITH 2 NOZZLES TRAILER MOUNTED	160 HP D	60,794	34.29	5.68	7.91	1.72	7.38
	W25WE006	WBD200	20 GPM AT 16,000 PSI WITH 2 NOZZLES TRAILER MOUNTED	240 HP D	68,577	42.14	6.38	8.87	1.94	11.07
	W25WE007	WBD200T	16 GPM AT 20,000 PSI WITH 2 NOZZLES	230 HP D	79,009	45.76	7.34	10.19	2.24	10.61
										98

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		
W25			WATER BLASTERS							
	.20	HIGH PRESSURE, (>= 5,000 PSI)	WEATHERFORD/AMERICAN AERO							
	W25WE007	WBD200T	16 GPM AT 20,000 PSI WITH 2 NOZZLES TRAILER MOUNTED	230 HP D	79,009	45.76	7.34	10.19	2.24	10.61
	.30	STEAM CLEANERS	ALKOTA							
	W25AO001	90	90 GPH, 200 PSI	1 HP E	2,025	1.80	0.26	0.40	0.06	0.10
	W25AO002	120	130 GPH, 325 PSI	1 HP E	2,278	2.19	0.30	0.45	0.07	0.10
	W25AO003	181	180 GPH, 250 PSI	1 HP E	3,313	2.78	0.43	0.65	0.10	0.10
	W25AO004	240	240 GPH, 250 PSI	2 HP E	3,331	3.17	0.43	0.65	0.10	0.19
	W25AO005	301T	300 GPH, 100 PSI	4 HP E	7,018	6.04	0.90	1.38	0.21	0.38
	W25AO006	246	STEAM GENERATOR, 100 PSI	1 HP E	4,631	3.53	0.60	0.91	0.14	0.10
W30			WATER TANKS							
	.10	PORTABLE W/ WHEELS	SOUTHWEST							
	W30SO001	EWT-8C	8000 GAL., 10" DISCHG PIPE, MOBILE	8 HP G	34,662	6.24	1.99	2.15	0.91	0.62
	W30SO002	EWT-10C	10000 GAL., 10" DISCHG PIPE, MOBILE	8 HP G	41,471	7.30	2.39	2.59	1.09	0.62
	W30SO003	EWT-12C	12000 GAL., 10" DISCHG PIPE, MOBILE	8 HP G	45,131	7.86	2.60	2.83	1.18	0.62
	.20	SKID MOUNTED	SOUTHWEST							
	W30SO004	WST-8	8000 GAL. STAND-TOWER TANK, 10"PIPE		22,358	3.25	1.32	1.45	0.59	0.00
	W30SO005	WST-10	10000 GAL. STAND-TOWER TANK, 10"PIPE		24,986	3.63	1.47	1.62	0.66	0.00
	W30SO006	WST-12	12000 GAL. STAND-TOWER TANK, 10"PIPE		28,832	4.18	1.70	1.87	0.76	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	1,235	1.11	0.09	0.10	0.04	0.67
	W35HO002	HWG180	180 AMP, PORTABLE	11 HP G	1,674	1.70	0.12	0.14	0.05	1.06
			NO SPECIFIC MANUFACTURER							
	W35XX001		250 AMP WITH 1 AXLE TRLR	27 HP D	7,746	3.08	0.54	0.63	0.22	1.06
	W35XX002		200 AMP WITH 1 AXLE TRLR	39 HP G	5,650	5.94	0.39	0.46	0.16	3.75
	W35XX003		300 AMP WITH 1 AXLE TRLR	38 HP D	8,271	3.75	0.58	0.68	0.24	1.49
	W35XX004		250 AMP WITH 1 AXLE TRLR	39 HP G	5,991	6.02	0.42	0.49	0.17	3.75
	W35XX005		350 AMP WITH 2 AXLE TRLR	38 HP D	9,313	3.98	0.64	0.74	0.27	1.49
	W35XX006		300 AMP WITH 1 AXLE TRLR	65 HP G	6,500	9.25	0.46	0.53	0.19	6.26
	W35XX007		400 AMP WITH 2 AXLE TRLR	64 HP D	10,098	5.43	0.70	0.81	0.29	2.51
	W35XX008		400 AMP WITH 1 AXLE TRLR	69 HP G	8,269	10.13	0.58	0.68	0.24	6.64
	.20	ELECTRICAL								
	.21	ELECTRIC DRIVE								
			NO SPECIFIC MANUFACTURER							
	W35XX009		300 AMP, SKID MTD	20 HP E	2,830	2.40	0.25	0.34	0.08	1.20
	W35XX010		400 AMP, SKID MTD	25 HP E	3,388	2.96	0.31	0.41	0.10	1.50
	.22	MIG								
			NO SPECIFIC MANUFACTURER							
	W35XX011		300 AMP WITH WIRE FEED & SHOP GEAR	10 HP E	2,865	1.57	0.26	0.35	0.08	0.60
	W35XX012		450 AMP WITH WIRE FEED & SHOP GEAR	20 HP E	2,945	2.44	0.27	0.36	0.09	1.20
	.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 1,309	1.94	0.12	0.16	0.04	1.14	4
			W35XX014 300 AMP WITH SHOP RUNNING GEAR	24 HP E 1,686	2.46	0.16	0.21	0.05	1.44	6
			W35XX015 750 AMP WITH SHOP RUNNING GEAR	30 HP E 4,544	3.67	0.41	0.55	0.13	1.80	7
			W35XX016 1000 AMP WITH SHOP RUNNING GEAR	42 HP E 7,940	5.56	0.72	0.97	0.23	2.52	10
	.24		TRANSFORMER							

			NO SPECIFIC MANUFACTURER							
			W35XX017 250 AMP WITH SHOP RUNNING GEAR	19 HP E 618	1.76	0.06	0.08	0.02	1.14	4
			W35XX018 300 AMP WITH SHOP RUNNING GEAR	24 HP E 2,007	2.53	0.18	0.24	0.06	1.44	6

3 - 112

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		

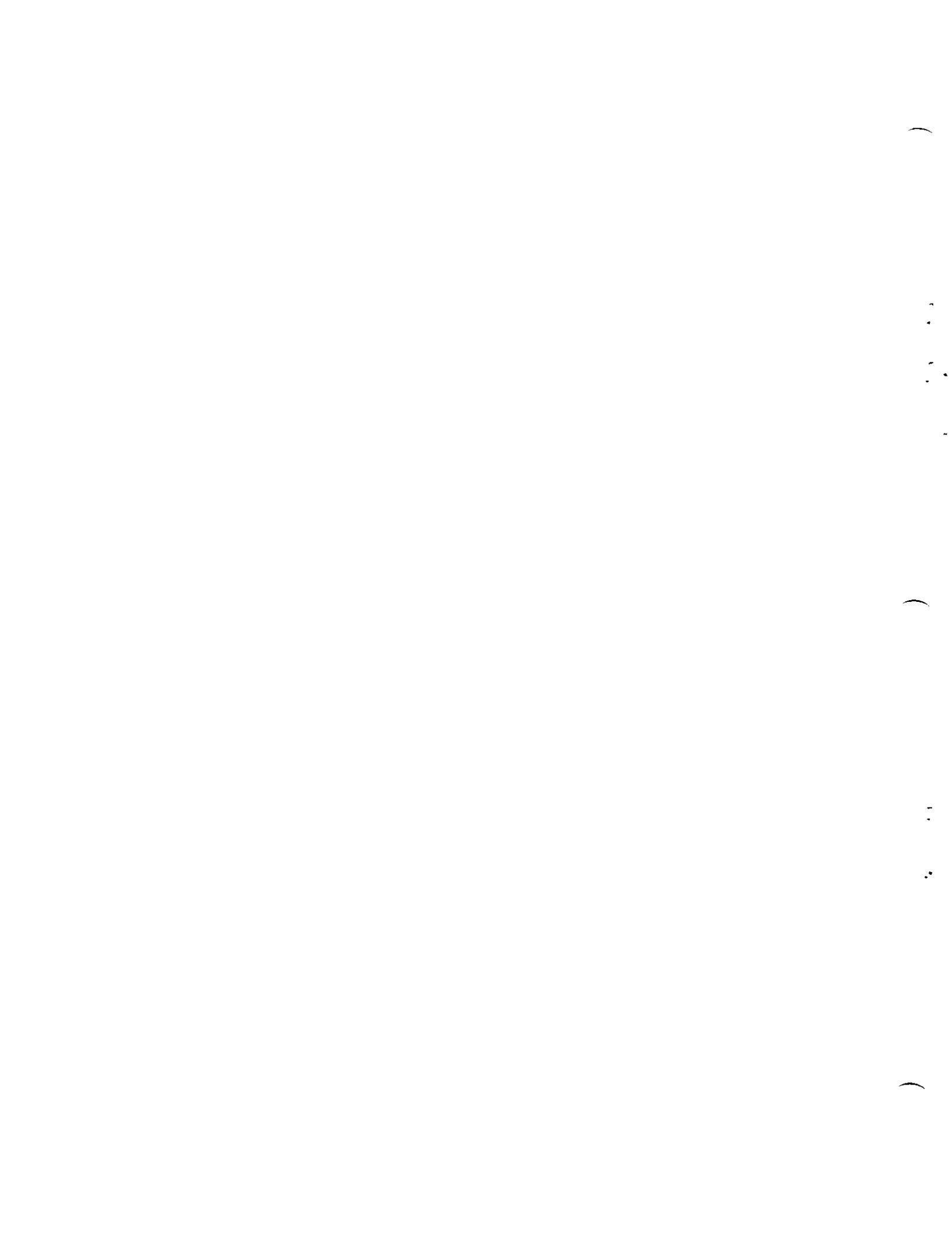


TABLE 3-2. EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

REGION VII

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:

$$\begin{aligned}
 \text{Total Hourly Rate} &= \$55.00/\text{Hr} \\
 \text{Ownership Rate} &(-) \$30.00/\text{Hr} \\
 \text{Ownership adjusted for Age:} \\
 (\text{Ownership Rate}) \times (\text{Age Adjustment Factor}) &= (+) \$25.20/\text{Hr} \\
 = (\$30.00) \times (.84) &= \$50.20/\text{Hr} \\
 \text{Adjusted Total Hourly Rate} &
 \end{aligned}$$

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:

$$\begin{aligned}
 \text{Total Hourly Rate} &= \$55.00/\text{Hr} \quad 123.60 \\
 \text{Ownership Rate} &(-) \$30.00/\text{Hr} \quad -52.25 \\
 \text{Ownership adjusted for Age:} \\
 (\text{Ownership Rate}) \times (\text{Oldest Age Adjustment Factor}) &= (+) \$23.70/\text{Hr} \quad 1986 = .89 \quad \$70.32 \\
 = (\$30.00) \times (.79) &= \$48.70/\text{Hr} \quad 46.35 \\
 \text{Adjusted Total Hourly Rate} & \quad 117.20
 \end{aligned}$$

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.

$\frac{1}{1}$ $\frac{2}{2}$ $\frac{3}{3}$ $\frac{4}{4}$ $\frac{5}{5}$ $\frac{6}{6}$ $\frac{7}{7}$ $\frac{8}{8}$
 $\frac{1}{1}$ $\frac{2}{2}$ $\frac{3}{3}$ $\frac{4}{4}$ $\frac{5}{5}$ $\frac{6}{6}$ $\frac{7}{7}$ $\frac{8}{8}$

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								
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								
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									
A30 .00	ASPHALT FINISHERS/PAVERS														
A30 .10	SELF PROPELLED	1.07	1.04	1.00	0.97	0.94	0.93								
A30 .20	TOWED	1.07	1.04	1.00	0.97	0.94	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								
A45 .00	ASPHALT RECYCLERS & SEALERS	1.07	1.04	1.00	0.97	0.94									
B00 .00	BACKHOE (SEE HYD. EXCAV.)	1.07	1.04	1.00	0.97	0.94									
B10 .00	BATCH PLANTS, ASPHALT & CONCRETE														
B15 .00	BROOMS, STREET SWEEPERS & FLUSHERS	1.10	1.05	1.00	0.95	0.92									
B20 .00	BRUSH CHIPPERS	1.10	1.05	1.00	0.95	0.92									
B25 .00	BUCKETS, CLAMSHELL	1.12	1.07	1.00	0.91	0.88	0.87								
B30 .00	BUCKETS, CONCRETE														
B30 .10	GENERAL PURPOSE, MANUAL	1.12	1.07	1.00	0.90	0.88	0.87								
B30 .20	LAYDOWN	1.12	1.07	1.00	0.90	0.88	0.87								
B30 .30	LOWBOY	1.12	1.07	1.00	0.90	0.88	0.87								
B30 .40	LOW SLUMP	1.12	1.07	1.00	0.90	0.88	0.87								
B35 .00	BUCKETS, DRAGLINE														
B35 .10	LIGHT WEIGHT	1.12	1.07	1.00	0.90	0.88									
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								
C05 .00	CHAIN SAWS	1.09	1.05	1.00											
C10 .00	COMPACTORS, MANUALLY OPERATED	1.10	1.05	1.00											
C15 .00	CONCRETE BLASTERS	1.10	1.05	1.00	0.94										
C20 .00	CONCRETE BUGGIES	1.10	1.05	1.00											
C25 .00	CONCRETE FINISHERS	1.10	1.05	1.00											
C30 .00	CONCRETE GRINDERS	1.10	1.05	1.00											
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											
C45 .00	CONCRETE PAVING MACHINES	1.07	1.04	1.00	0.97	0.94	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										
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.	1.13	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	1.13	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					
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				
C80 .04	OVER 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			
C85 .00	CRANES, MECHANICAL, CRAWLER MTD															
C85 .10	DRAGLINE, CLAMSHELL															
C85 .11	0 THRU 1 CY	1.13	1.05	1.00	0.92	0.89	0.86	0.84	0.82							
C85 .12	OVER 1 CY THRU 2-1/2 CY	1.13	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					
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				
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							
C85 .22	26 TON THRU 50 TON	1.12	1.05	1.00	0.92	0.90	0.87	0.84	0.82	0.81						
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				
C85 .24	OVER 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			
C90 .00	CRANES, MECHANICAL, TRUCK MTD															
C90 .01	UNDER 26 TON	1.13	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					
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				
C90 .04	OVER 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			
C95 .00	CRANES, TOWER	1.13	1.05	1.00	0.92	0.89	0.86	0.84	0.82	0.81	0.79	0.73				
D10 .00	DRILLS, AIR TRACK, CRAWLER MTD	1.09	1.04	1.00	0.94	0.93	0.93									
D15 .00	DRILLS, BORING MACHINES	1.09	1.04	1.00	0.94	0.93	0.93									
D20 .00	DRILLS, CORE, COLUMN MOUNTED	1.09	1.04	1.00	0.93	0.93										
D25 .00	DRILLS, CORE, SKID MOUNTED	1.09	1.04	1.00	0.94	0.93	0.93									
D30 .00	DRILLS, EARTH/AUGER	1.09	1.04	1.00	0.94	0.93	0.93									
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				
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				

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

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
L50 .00	LOADERS w/ BACKHOE, WHEEL TYPE	1.08	1.04	1.00	0.95	0.91	0.88								
L55 .00	LOADER/BACKHOE, ATTACHMENTS	1.10	1.05	1.00	0.94										
L60 .00	LOG SKIDTERS	1.06	1.03	1.00	0.98	0.96	0.94								
P10 .00	PILE EXTRACTORS & LEADS	1.12	1.06	1.00	0.93										
P20 .00	PILE HAMMERS, DOUBLE ACTING	1.12	1.06	1.00	0.93										
P25 .00	PILE HAMMERS, SINGLE ACTING	1.12	1.06	1.00	0.93										
P30 .00	PILE HAMMERS, VIBRATORY	1.12	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									
P45 .00	PUMPS, GROUT	1.09	1.04	1.00	0.95	0.92									
P50 .00	PUMPS, WATER, CENTRIFUGAL, TRASH														
P50 .10	SKID MOUNTED														
P50 .11	ENGINE DRIVE	1.10	1.05	1.00	0.94	0.91									
P50 .12	ELECTRIC DRIVE	1.10	1.05	1.00	0.94	0.91									
P50 .20	WHEEL MOUNTED														
P50 .21	ENGINE DRIVE	1.10	1.05	1.00	0.94	0.91									
P50 .22	ELECTRIC DRIVE	1.10	1.05	1.00	0.94	0.91									
P55 .00	PUMPS, WATER, SUBMERSIBLE														
P55 .01	ENGINE DRIVE	1.10	1.05	1.00	0.94	0.91	0.89								
P55 .02	ELECTRIC DRIVE	1.10	1.05	1.00	0.94	0.91	0.89								
P60 .00	PUMPS, WATER, CENTRIF, DEWATERING														
P60 .10	SKID MOUNTED														
P60 .11	ENGINE DRIVE	1.10	1.05	1.00	0.94	0.91									
P60 .12	ELECTRIC DRIVE	1.10	1.05	1.00	0.94	0.91									
P60 .20	WHEEL MOUNTED														
P60 .21	ENGINE DRIVE	1.10	1.05	1.00	0.94	0.91									
P60 .22	ELECTRIC DRIVE	1.10	1.05	1.00	0.94	0.91									
P65 .00	PUMPS, WATER, DIAPHRAGM														
P65 .10	SKID MOUNTED														
P65 .11	ENGINE DRIVE	1.10	1.05	1.00	0.94	0.91									
P65 .12	ELECTRIC DRIVE	1.10	1.05	1.00	0.94	0.91									
P65 .20	WHEEL MOUNTED														
P65 .21	ENGINE DRIVE	1.10	1.05	1.00	0.94	0.91									
P65 .22	ELECTRIC DRIVE	1.10	1.05	1.00	0.94	0.91									
P70 .00	PUMPS, WATER (FOR CORE DRILLS)														
P70 .01	ENGINE DRIVE	1.10	1.05	1.00	0.94	0.91									
P70 .02	ELECTRIC DRIVE	1.10	1.05	1.00	0.94	0.91									
R10 .00	RIPPERS & HYDRAULIC BANK SLOPERS	1.08	1.04	1.00	0.93	0.87									
R15 .00	ROLLERS, TOWED - PNEUMATIC	1.06	1.03	1.00	0.98	0.92	0.91								

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
R20 .00		ROLLERS, TOWED - STEEL DRUM	1.06	1.03	1.00	0.98	0.92	0.91									
R30 .00		ROLLERS, STATIC, SELF-PROPELLED	1.07	1.03	1.00	0.97	0.92										
R30 .01		PNEUMATIC	1.06	1.03	1.00	0.98	0.92	0.91									
R30 .02		SMOOTH DRUM	1.06	1.03	1.00	0.98	0.92	0.91									
R30 .03		TAMPING FOOT	1.06	1.03	1.00	0.98	0.92	0.91									
R40 .00		ROLLERS, VIBRATORY, TOWED	1.07	1.03	1.00	0.97	0.92										
R45 .00		ROLLERS, VIBRATORY, DOUBLE DRUM,	1.07	1.03	1.00	0.97	0.92										
R50 .00		ROLLERS, VIBRATORY, SINGLE DRUM	1.07	1.03	1.00	0.97	0.92										
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	0.91	0.87									
S10 .02		OVER 200 HP	1.07	1.04	1.00	0.94	0.92	0.88									
S15 .00		SCRAPERS, CONVENTIONAL	1.07	1.04	1.00	0.94	0.92	0.88									
S20 .00		SCRAPERS, TANDEM POWERED	1.07	1.04	1.00	0.94	0.92	0.88									
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	1.10	1.05	1.00	0.95	0.92										
S40 .00		SOIL STABILIZERS	1.08	1.04	1.00	0.94	0.91	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									
T15 .00		TRACTORS, CRAWLER (DOZER)															
T15 .01		0 THRU 225 HP	1.08	1.04	1.00	0.93	0.86	0.82									
T15 .02		226 HP THRU 425 HP	1.08	1.04	1.00	0.94	0.87	0.83									
T15 .03		OVER 425 HP	1.08	1.04	1.00	0.94	0.88	0.84	0.84	0.84							
T20 .00		TRACTORS, WHEEL TYPE (DOZER)	1.06	1.03	1.00	0.98	0.96	0.94									
T25 .00		TRACTORS, WHEEL TYPE (FARM)	1.06	1.03	1.00	0.98	0.96										
T30 .00		TRENCHERS, CHAIN	1.08	1.04	1.00	0.98	0.96										
T35 .00		TRENCHERS, WHEEL TYPE	1.08	1.04	1.00	0.98	0.96	0.96									
T40 .00		TRUCK OPTIONS, (ADD TRUCK)															
T40 .10		CRANES, HYDRAULIC	1.10	1.05	1.00	0.95	0.92										
T40 .20		DUMP BODY, REAR	1.10	1.05	1.00	0.95	0.92										
T40 .30		FLATBEDS, W/ CONT. SIDES	1.10	1.05	1.00	0.95	0.92										
T40 .40		HOIST															
T40 .41		ELECTRIC DRIVE	1.10	1.05	1.00	0.95	0.92										
T40 .50		TRANSIT MIXERS	1.09	1.04	1.00	0.95	0.92										
T40 .60		WATER TANKS	1.10	1.05	1.00	0.95	0.92										
T40 .70		ALL OTHER OPTIONS	1.10	1.05	1.00	0.95	0.92										
T45 .00		TRUCK TRAILERS,															
T45 .10		BOTTOM DUMP	1.09	1.04	1.00	0.95	0.92	0.90									

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
T45 .20	END DUMP	1.09	1.04	1.00	0.95	0.92	0.90								
T45 .30	PUP TRAILER	1.09	1.04	1.00	0.95	0.92									
T45 .40	LOWBOY (EQUIPMENT HAULING)	1.10	1.05	1.00	0.94	0.91	0.88								
T45 .41	RIGID NECK, DROP DECK	1.10	1.05	1.00	0.94	0.91	0.88								
T45 .50	PLATFORM TRAILER	1.10	1.05	1.00	0.94	0.91	0.88								
T45 .60	TIILT TRAILER	1.10	1.05	1.00	0.94	0.91	0.88								
T45 .70	WATER TANKER TRAILER	1.10	1.05	1.00	0.94	0.91	0.88								
T45 .80	DECONTAMINATION FACILITY	1.11	1.05	1.00	0.94	0.91									
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									
T50 .03	OVER 30,000 GVW	1.06	1.02	1.00	0.96	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	1.11	1.05	1.00	0.94	0.91									
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										

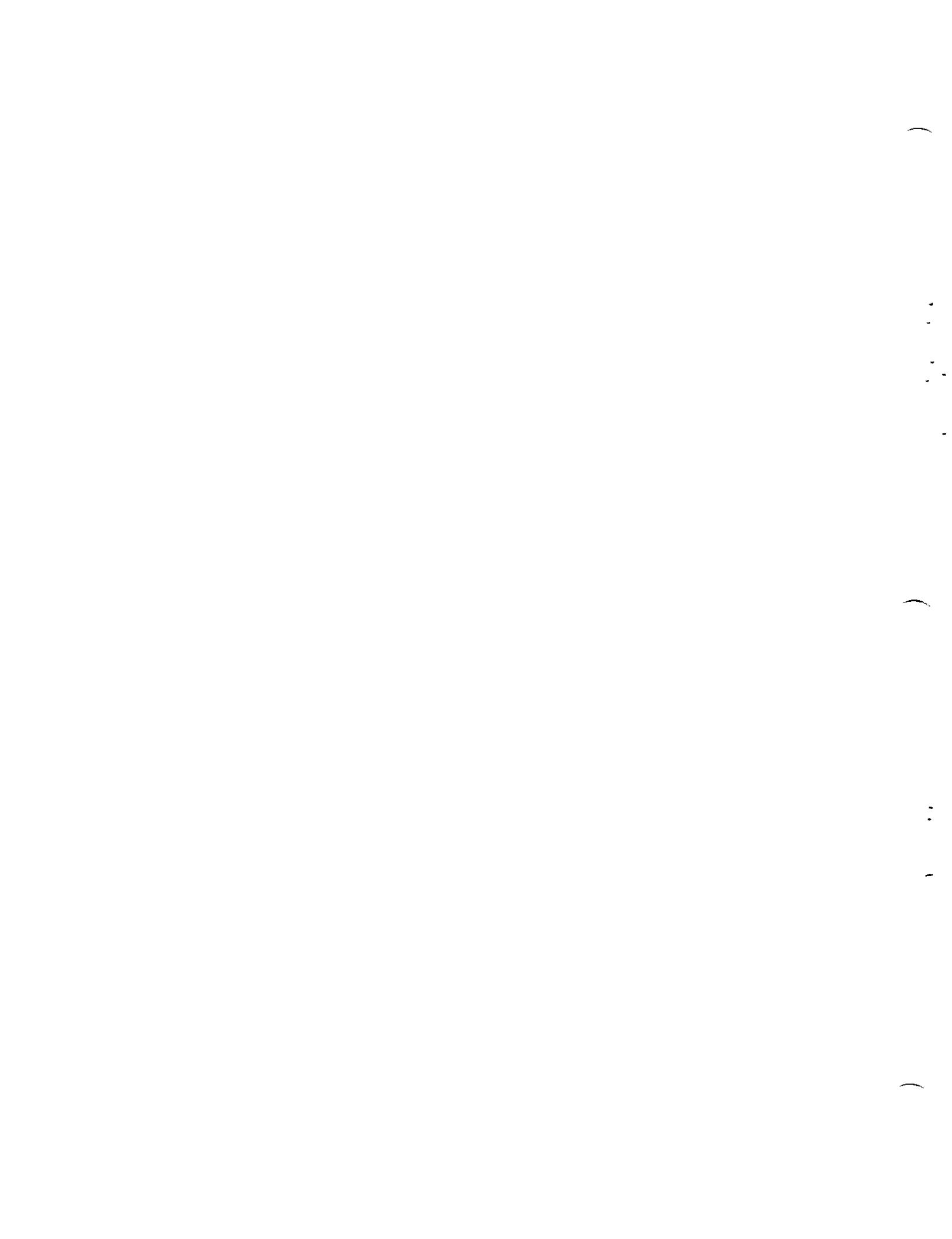


TABLE 3-3. EQUIPMENT AGE ADJUSTMENT FACTORS FOR STANDBY COSTS
REGION VII

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:

Hourly Standby Rate	=	\$18.00/Hr
Standby Adjusted for Age		
(Standby Rate) x (Age Adjustment Factor)	=	\$15.30/Hr
= (\$18.00) x (.85)		

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													
A25 .00	ASPHALT DISTRIBUTORS	1.07	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	1.07	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	1.12	1.07	1.00	0.91	0.89									
B30 .20	LAYDOWN	1.12	1.07	1.00	0.91	0.89									
B30 .30	LOWBOY	1.12	1.07	1.00	0.91	0.89									
B30 .40	LOW SLUMP	1.12	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										
B35 .30	HEAVY WEIGHT	1.11	1.07	1.00	0.91	0.89									
C05 .00	CHAIN SAWS	1.09													
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/SHOTCRETTERS	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														
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								
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								
C80 .02	26 TON THRU 65 TON	1.12	1.05	1.00	0.93	0.90	0.87	0.85	0.83							
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	0.80	0.75				
C85 .00	CRANES, MECHANICAL, CRAWLER MTD															
C85 .10	DRAGLINE, CLAMSHELL															
C85 .11	0 THRU 1 CY	1.12	1.05	1.00	0.92	0.90	0.87									
C85 .12	OVER 1 CY THRU 2-1/2 CY	1.12	1.05	1.00	0.93	0.90	0.87	0.85								
C85 .13	OVER 2-1/2 CY THRU 5 CY	1.12	1.05	1.00	0.93	0.90	0.87	0.85	0.83							
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	LIIFTING															
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	0.80	0.75				
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								
C90 .02	26 TON THRU 65 TON	1.12	1.05	1.00	0.93	0.90	0.87	0.85	0.83							
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	0.80	0.75				
C95 .00	CRANES, TOWER	1.12	1.05	1.00	0.93	0.90	0.87	0.85	0.83	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	1.09	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								
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								

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
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	0.95	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	0.94	0.92	0.88									
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											
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	0.92	0.90	0.87									
H25 .14	OVER 5 CY	1.07	1.05	1.00	0.93	0.90	0.87	0.85								
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								
H35 .12	OVER 5 CY	1.07	1.05	1.00	0.93	0.90	0.87	0.85	0.83							
H35 .20	ELECTRIC															
H35 .21	OVER 2-1/2 CY	1.07	1.05	1.00	0.93	0.90	0.87	0.85	0.83	0.82	0.80					
L10 .00	LAND CLEARING EQUIPMENT	1.08	1.04	1.00	0.94											
L15 .00	LAWN MOWERS	1.09														
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	0.95	0.92										
L40 .12	OVER 225 HP	1.07	1.03	1.00	0.96	0.92	0.90									
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	0.95	0.92										
L40 .32	OVER 225 HP	1.07	1.03	1.00	0.96	0.92	0.90									

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	0.95	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	1.11	1.05	1.00												
P20 .00	PILE HAMMERS, DOUBLE ACTING	1.11	1.05	1.00												
P25 .00	PILE HAMMERS, SINGLE ACTING	1.11	1.05	1.00												
P30 .00	PILE HAMMERS, VIBRATORY	1.11	1.05	1.00												
P35 .00	PIPELAYERS	1.08	1.04	1.00	0.94	0.88	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
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	0.94	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								
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	0.94	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								
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	1.04	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	1.12	1.05	1.00	0.92	0.88	0.86								
T60 .00	TRUCKS, WATER, OFF-HIGHWAY	1.12	1.05	1.00	0.92	0.88	0.86								
T65 .00	TUNNEL MINING MACHINES														
W10 .00	WAGONS, BOTTOM DUMP	1.12	1.05	1.00	0.92	0.88	0.86								
W15 .00	WAGONS, REAR DUMP	1.12	1.05	1.00	0.92	0.88	0.86								
W25 .00	WATER BLASTERS														
W25 .10	LOW PRESSURE, (< 5,000 PSI)	1.10													
W25 .20	HIGH PRESSURE, (>= 5,000 PSI)	1.09	1.05	1.00											
W25 .30	STEAM CLEANERS	1.10													
W30 .00	WATER TANKS														
W30 .10	PORTABLE W/ WHEELS	1.12	1.05	1.00	0.92	0.88	0.86								
W30 .20	SKID MOUNTED	1.12	1.05	1.00	0.92	0.88	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											

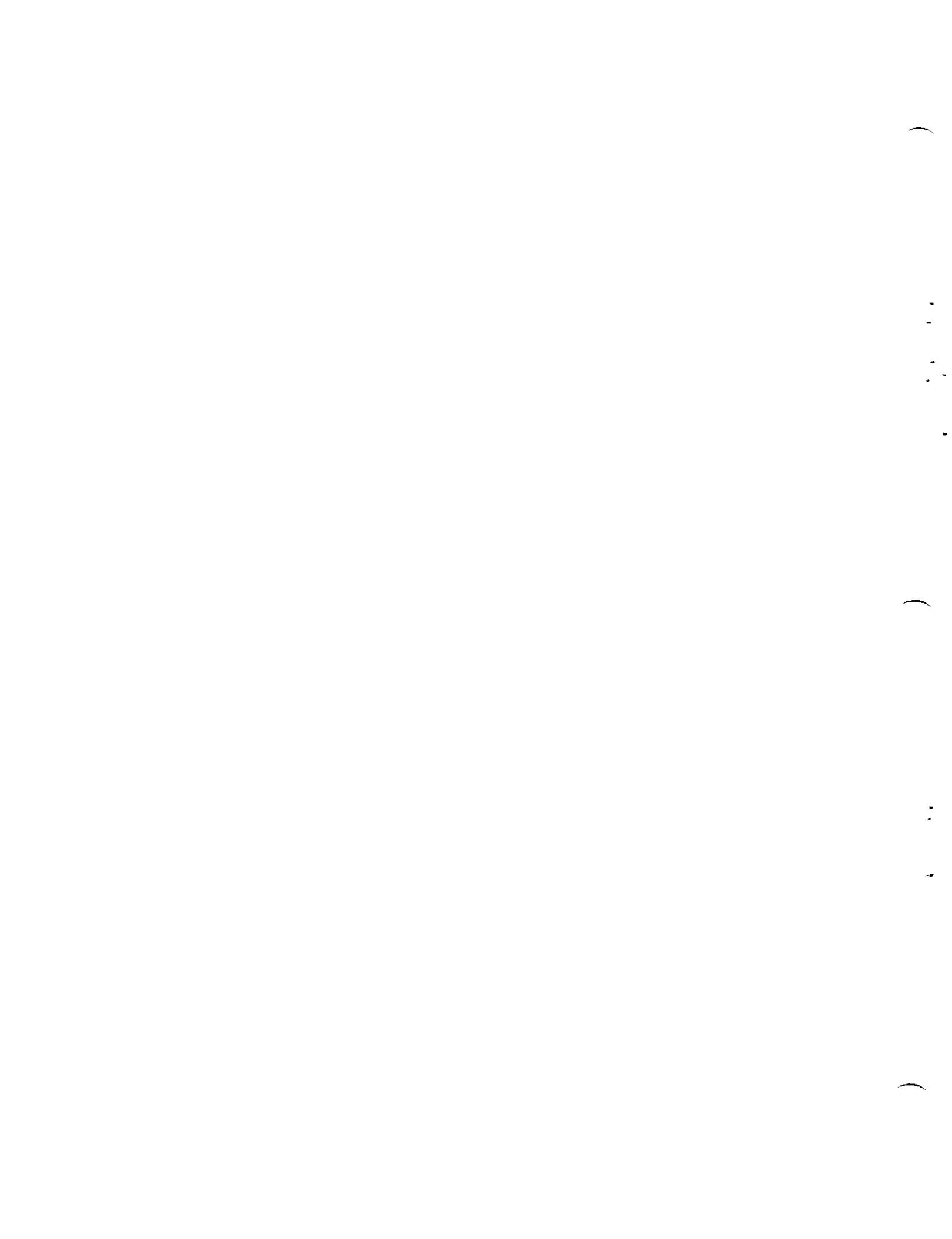


TABLE 3-4. SHIFT ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

REGION VII

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 (.89) = (+) \$22.43/Hr

Adjusted Total Hourly Rate = \$47.43/Hr

TABLE 3-4. SHIFT ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

Service Life From APP. D	EQUIPMENT USAGE - 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	0.95	0.94	0.93	0.93	0.92	0.92	0.91
4,000	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.92	0.91	0.91
5,000	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.90	0.89
5,500	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.90	0.89	0.88
6,000	1.00	0.98	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.90	0.89	0.88	0.88
6,500	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
7,000	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
8,000	1.00	0.98	0.96	0.94	0.93	0.92	0.91	0.89	0.88	0.87	0.86	0.86	0.85
9,000	1.00	0.97	0.96	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.85	0.84
10,000	1.00	0.97	0.96	0.94	0.92	0.90	0.89	0.88	0.86	0.85	0.84	0.83	0.82
11,000	1.00	0.97	0.96	0.93	0.91	0.90	0.88	0.87	0.85	0.84	0.83	0.82	0.81
12,000	1.00	0.97	0.95	0.93	0.91	0.89	0.88	0.86	0.84	0.83	0.82	0.81	0.80
13,000	1.00	0.97	0.95	0.92	0.90	0.88	0.87	0.85	0.84	0.82	0.81	0.80	0.79
14,000	1.00	0.97	0.95	0.92	0.90	0.88	0.86	0.85	0.83	0.81	0.80	0.79	0.78
15,000	1.00	0.96	0.95	0.92	0.89	0.87	0.86	0.84	0.82	0.81	0.79	0.78	0.77
16,000	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
18,000	1.00	0.96	0.94	0.91	0.88	0.86	0.84	0.82	0.80	0.78	0.77	0.76	0.74
20,000	1.00	0.96	0.94	0.90	0.87	0.85	0.83	0.81	0.79	0.77	0.76	0.74	0.73
22,000	1.00	0.95	0.93	0.89	0.86	0.84	0.82	0.80	0.77	0.76	0.74	0.73	0.71
50,000	1.00	0.93	0.90	0.84	0.80	0.76	0.73	0.70	0.67	0.64	0.62	0.60	0.57

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
A10	A10ET001	5.41	1.86	3.70	0.89	0.26	0.04	6.35	18.51							
	A10ET002	5.64	1.94	4.63	1.11	0.26	0.04	6.62	20.24							
	A10ET003	6.14	2.11	3.70	0.89	0.26	0.04	7.20	20.34							
	A10ET004	6.39	2.19	4.63	1.11	0.26	0.04	7.49	22.11							
	A10RS001	4.97	1.71	3.70	0.89	0.26	0.04	5.84	17.41							
	A10RS002	5.07	1.75	3.70	0.89	0.26	0.04	5.95	17.66							
	A10AR001	0.37	0.08	0.00	0.00	0.00	0.00	0.35	0.80							
	A10AR002	0.73	0.16	0.00	0.00	0.00	0.00	0.69	1.58							
A15	A15XX001	0.92	0.35	3.89	1.24	0.03	0.00	1.20	7.63							
	A15XX002	1.10	0.42	1.10	0.31	0.03	0.00	1.45	4.41							
	A15XX003	1.12	0.43	5.05	1.62	0.03	0.00	1.47	9.72							
	A15XX004	1.20	0.46	1.60	0.45	0.03	0.00	1.57	5.31							
	A15XX005	1.23	0.47	5.44	1.74	0.03	0.00	1.61	10.52							
	A15XX006	1.40	0.53	2.04	0.57	0.03	0.00	1.83	6.40							
	A15XX007	1.27	0.49	5.44	1.74	0.03	0.00	1.66	10.63							
	A15XX008	1.50	0.57	2.35	0.66	0.03	0.00	1.96	7.07							
	A15XX009	2.10	0.80	2.98	0.83	0.04	0.01	2.75	9.51							
	A15XX010	2.72	1.06	3.51	0.98	0.16	0.02	3.58	12.03							
	A15XX011	3.90	1.51	4.70	1.32	0.16	0.02	5.12	16.73							
	A15XX012	4.34	1.68	6.26	1.75	0.19	0.03	5.71	19.96							
	A15XX013	5.04	1.95	7.52	2.10	0.19	0.03	6.61	23.44							
	A15XX014	5.67	2.18	8.14	2.28	0.19	0.03	7.44	25.93							
	A15XX015	8.04	3.08	10.18	2.85	0.19	0.03	10.53	34.90							
	A15XX016	9.00	3.45	12.37	3.46	0.23	0.03	11.79	40.33							
	A15XX017	9.45	3.62	14.28	4.00	0.23	0.03	12.38	43.99							
A20	A20XX001	0.13	0.02	0.00	0.00	0.00	0.00	0.27	0.42							
	A20XX002	0.14	0.02	0.00	0.00	0.00	0.00	0.30	0.46							
	A20XX003	0.17	0.02	0.00	0.00	0.00	0.00	0.37	0.56							
	A20XX004	0.20	0.02	0.00	0.00	0.00	0.00	0.43	0.65							
	A20XX005	0.28	0.03	0.00	0.00	0.00	0.00	0.60	0.91							
	A20XX006	0.34	0.04	0.00	0.00	0.00	0.00	0.72	1.10							
	A20XX007	0.70	0.08	0.00	0.00	0.00	0.00	1.49	2.27							
	A20XX008	1.05	0.13	0.00	0.00	0.00	0.00	2.24	3.42							
	A20XX009	0.04	0.00	0.00	0.00	0.00	0.00	0.09	0.13							
	A20XX010	0.05	0.01	0.00	0.00	0.00	0.00	0.10	0.16							
	A20XX011	0.11	0.01	0.00	0.00	0.00	0.00	0.24	0.36							
	A20XX012	0.14	0.02	0.00	0.00	0.00	0.00	0.30	0.46							
	A20XX013	0.17	0.02	0.00	0.00	0.00	0.00	0.35	0.54							
	A20XX014	0.25	0.03	0.00	0.00	0.00	0.00	0.52	0.80							

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	0.32	0.04	0.00	0.00	0.00	0.00	0.68	1.04							
	A20XX016	0.46	0.06	0.00	0.00	0.00	0.00	0.99	1.51							
	A20XX017	0.10	0.01	0.00	0.00	0.00	0.00	0.25	0.36							
	A20XX018	0.14	0.02	0.00	0.00	0.00	0.00	0.33	0.49							
	A20XX019	0.18	0.02	0.00	0.00	0.00	0.00	0.42	0.62							
	A20XX020	0.22	0.03	0.00	0.00	0.00	0.00	0.51	0.76							
	A20CM001	0.33	0.05	0.00	0.06	0.00	0.00	0.79	1.23							
	A20CM002	0.58	0.09	0.00	0.06	0.00	0.00	1.41	2.14							
	A20CM003	0.63	0.10	0.00	0.06	0.00	0.00	1.54	2.33							
	A20CM004	0.86	0.13	0.00	0.13	0.00	0.00	2.09	3.21							
	A20CM005	2.26	0.35	0.00	0.13	0.00	0.00	5.49	8.23							
	A20CM006	2.60	0.42	0.00	0.28	0.07	0.01	6.35	9.73							
	A20CM007	3.22	0.53	0.00	0.41	0.11	0.02	7.89	12.18							
	A20CM008	3.23	0.55	0.00	0.51	0.23	0.03	8.01	12.56							
	A20CM009	1.93	0.30	0.00	0.30	0.00	0.00	4.69	7.22							
	A20GD001	0.15	0.02	0.00	0.06	0.00	0.00	0.37	0.60							
	A20GD002	0.36	0.06	0.00	0.11	0.00	0.00	0.87	1.40							
	A20GD003	0.38	0.06	0.00	0.11	0.00	0.00	0.92	1.47							
	A20GD004	0.18	0.03	0.00	0.06	0.00	0.00	0.45	0.72							
	A20GD005	0.20	0.03	0.00	0.06	0.00	0.00	0.50	0.79							
	A20GD006	0.69	0.11	0.00	0.13	0.00	0.00	1.68	2.61							
	A20WC001	0.21	0.03	0.00	0.11	0.00	0.00	0.52	0.87							
	A20WC002	0.28	0.04	0.13	0.20	0.00	0.00	0.69	1.34							
	A20WC003	0.70	0.11	0.31	0.10	0.00	0.00	1.70	2.92							
	A20WC004	0.72	0.11	0.31	0.10	0.00	0.00	1.74	2.98							
A25	A25RS001	3.07	0.85	3.89	1.24	0.00	0.00	4.07	13.12							
	A25RS002	3.26	0.90	0.00	1.50	0.00	0.00	4.31	9.97							
	A25RS003	3.17	0.87	3.89	1.24	0.00	0.00	4.19	13.36							
	A25RS004	3.38	0.93	0.00	1.60	0.00	0.00	4.47	10.38							
	A25RS005	3.45	0.95	3.89	1.24	0.00	0.00	4.57	14.10							
	A25RS006	3.65	1.01	0.00	1.70	0.00	0.00	4.83	11.19							
	A25RS007	3.75	1.04	3.89	1.24	0.00	0.00	4.97	14.89							
	A25RS008	4.21	1.16	0.00	1.80	0.00	0.00	5.57	12.74							
A30	A30BG001	11.04	3.78	2.44	0.68	0.45	0.07	17.26	35.72							
	A30BG002	12.52	4.35	3.29	0.92	0.94	0.14	19.63	41.79							
	A30BG003	14.00	4.93	4.45	1.25	1.51	0.23	22.01	48.38							
	A30BG004	13.09	4.40	3.29	0.92	0.00	0.00	20.37	42.07							
	A30BG005	15.64	5.26	3.29	0.92	0.00	0.00	24.35	49.46							
	A30BG006	17.82	6.00	4.45	1.25	0.00	0.00	27.75	57.27							

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	
A30	A30BK001	4.39	1.51	0.72	0.20	0.21	0.03	6.87	13.93								
	A30BK002	6.88	2.35	1.38	0.39	0.21	0.03	10.74	21.98								
	A30BK003	10.49	3.65	2.26	0.63	0.85	0.13	16.46	34.47								
	A30BK004	11.37	3.95	2.72	0.76	0.85	0.13	17.83	37.61								
	A30BK005	14.04	4.88	3.35	0.94	1.14	0.17	22.01	46.53								
	A30BK006	17.40	6.07	4.64	1.30	1.57	0.24	27.31	58.53								
	A30BK007	13.68	4.60	3.23	0.90	0.00	0.00	21.30	43.71								
	A30BK008	16.20	5.45	3.76	1.05	0.00	0.00	25.22	51.68								
	A30CA001	3.17	1.07	1.10	0.31	0.00	0.00	4.94	10.59								
	A30CA002	11.95	4.15	3.19	0.89	0.88	0.13	18.73	39.92								
	A30CA003	14.58	5.08	4.54	1.27	1.25	0.19	22.87	49.78								
A35	A30LA001	1.61	0.56	1.09	0.85	0.11	0.02	2.02	6.26								
	A30LA002	2.18	0.75	1.09	0.85	0.11	0.02	2.73	7.73								
	A35AE001	0.40	0.09	0.00	1.00	0.02	0.00	0.50	2.01								
	A35AE002	0.44	0.10	0.00	1.25	0.02	0.00	0.55	2.36								
	A35AE003	0.57	0.13	0.00	1.35	0.03	0.00	0.71	2.79								
	A35AE004	0.72	0.16	0.00	1.55	0.03	0.00	0.90	3.36								
	A35AE005	0.83	0.19	0.00	2.00	0.08	0.01	1.06	4.17								
A40	A35RS001	0.57	0.13	0.00	1.20	0.02	0.00	0.71	2.63								
	A35RS002	0.69	0.15	0.00	1.50	0.02	0.00	0.86	3.22								
	A40CA001	5.66	1.96	2.41	0.68	0.42	0.06	8.87	20.06								
	A40CA002	9.65	3.31	2.82	0.79	0.42	0.06	15.09	32.14								
	A40CA003	20.53	6.91	8.46	2.37	0.00	0.00	31.98	70.25								
	A40CA004	26.07	8.78	14.09	3.95	0.00	0.00	40.60	93.49								
	A40CA005	36.12	12.16	23.49	6.58	0.00	0.00	56.24	134.59								
A45	A40CA006	45.93	15.46	23.49	6.58	0.00	0.00	71.51	162.97								
	A40IN001	7.89	2.69	3.82	1.07	0.20	0.03	12.32	28.02								
	A40IN002	8.28	2.82	3.82	1.07	0.20	0.03	12.92	29.14								
	A40IN003	10.25	3.48	4.38	1.23	0.20	0.03	15.99	35.56								
	A40IN004	20.17	6.82	12.53	3.51	0.20	0.03	31.44	74.70								
	A40IN005	23.49	7.91	12.53	3.51	0.00	0.00	36.58	84.02								
	A40IN006	29.95	10.08	16.44	4.60	0.00	0.00	46.64	107.71								
A45	A45AE001	0.76	0.21	0.00	1.50	0.02	0.00	1.07	3.56								
	A45AE002	1.36	0.38	0.00	2.50	0.02	0.00	1.92	6.18								
	A45AE003	1.61	0.45	0.00	3.00	0.02	0.00	2.26	7.34								
	A45SE001	0.98	0.27	1.40	1.45	0.04	0.01	1.38	5.53								
	A45SE002	1.34	0.37	1.55	1.75	0.04	0.01	1.88	6.94								
	A45SE003	1.88	0.54	2.33	2.75	0.16	0.02	2.66	10.34								

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	1.45	0.43	0.00	0.50	0.16	0.02	2.06	4.62								
B15	B15AB001	3.10	0.88	2.38	0.67	0.13	0.02	3.97	11.15								
	B15IG001	2.34	0.68	2.38	0.67	0.23	0.03	3.01	9.34								
	B15MB001	0.38	0.11	0.00	0.10	0.00	0.00	0.49	1.08								
	B15MB002	0.65	0.18	0.00	0.14	0.00	0.00	0.82	1.79								
	B15MB003	0.67	0.19	0.00	0.24	0.05	0.01	0.86	2.02								
	B15MB004	0.77	0.22	1.40	0.34	0.05	0.01	0.99	3.78								
	B15RS001	2.39	0.68	2.38	0.67	0.09	0.01	3.07	9.29								
	B15RS002	2.18	0.61	0.00	0.50	0.00	0.00	2.78	6.07								
	B15RS003	2.38	0.66	0.00	0.60	0.00	0.00	3.04	6.68								
	B15RS004	2.52	0.70	0.00	0.70	0.00	0.00	3.22	7.14								
B20	B20CI001	0.47	0.13	1.40	0.45	0.02	0.00	0.68	3.15								
	B20CI002	0.93	0.26	2.33	0.75	0.02	0.00	1.34	5.63								
	B20CI003	1.16	0.33	4.66	1.49	0.03	0.00	1.67	9.34								
	B20CI004	1.32	0.37	2.38	0.67	0.03	0.00	1.91	6.68								
	B20CI005	0.89	0.25	2.88	0.92	0.03	0.00	1.28	6.25								
	B20CI006	1.36	0.38	2.38	0.67	0.03	0.00	1.95	6.77								
	B20CI007	1.40	0.40	2.38	0.67	0.04	0.01	2.02	6.92								
	B20VE001	1.39	0.39	7.69	2.46	0.03	0.00	2.00	13.96								
	B20VE002	1.90	0.54	7.46	2.39	0.05	0.01	2.74	15.09								
B25	B25ES001	1.01	0.31	0.00	0.00	0.00	1.09	2.41		1.27	0.32	0.00	0.00	0.00	0.00	1.56	3.15
	B25ES002	1.08	0.33	0.00	0.00	0.00	0.00	1.16	2.57	1.35	0.34	0.00	0.00	0.00	0.00	1.66	3.35
	B25ES003	1.19	0.37	0.00	0.00	0.00	0.00	1.27	2.83	1.48	0.38	0.00	0.00	0.00	0.00	1.82	3.68
	B25ES004	1.27	0.39	0.00	0.00	0.00	0.00	1.37	3.03	1.59	0.40	0.00	0.00	0.00	0.00	1.96	3.95
	B25ES005	1.36	0.42	0.00	0.00	0.00	0.00	1.47	3.25	1.71	0.43	0.00	0.00	0.00	0.00	2.10	4.24
	B25ES006	1.83	0.56	0.00	0.00	0.00	0.00	1.96	4.35	2.28	0.58	0.00	0.00	0.00	0.00	2.81	5.67
	B25ES007	2.01	0.62	0.00	0.00	0.00	0.00	2.16	4.79	2.51	0.64	0.00	0.00	0.00	0.00	3.09	6.24
	B25ES008	2.12	0.65	0.00	0.00	0.00	0.00	2.28	5.05	2.65	0.67	0.00	0.00	0.00	0.00	3.26	6.58
	B25ES009	2.76	0.85	0.00	0.00	0.00	0.00	2.97	6.58	3.45	0.88	0.00	0.00	0.00	0.00	4.24	8.57
	B25ES010	2.92	0.90	0.00	0.00	0.00	0.00	3.14	6.96	3.66	0.93	0.00	0.00	0.00	0.00	4.49	9.08
	B25ES011	3.16	0.98	0.00	0.00	0.00	0.00	3.40	7.54	3.95	1.00	0.00	0.00	0.00	0.00	4.86	9.81
	B25ES012	3.48	1.08	0.00	0.00	0.00	0.00	3.74	8.30	4.35	1.11	0.00	0.00	0.00	0.00	5.35	10.81
	B25ES013	3.77	1.16	0.00	0.00	0.00	0.00	4.05	8.98	4.71	1.20	0.00	0.00	0.00	0.00	5.79	11.70
	B25ES014	4.01	1.24	0.00	0.00	0.00	0.00	4.30	9.55	5.01	1.27	0.00	0.00	0.00	0.00	6.15	12.43
	B25ES015	4.41	1.36	0.00	0.00	0.00	0.00	4.74	10.51	5.51	1.40	0.00	0.00	0.00	0.00	6.77	13.68
	B25ES016	4.58	1.42	0.00	0.00	0.00	0.00	4.92	10.92	5.73	1.45	0.00	0.00	0.00	0.00	7.04	14.22
	B25ES017	4.83	1.49	0.00	0.00	0.00	0.00	5.18	11.50	6.03	1.53	0.00	0.00	0.00	0.00	7.41	14.97
	B25ES018	5.06	1.56	0.00	0.00	0.00	0.00	5.44	12.06	6.33	1.61	0.00	0.00	0.00	0.00	7.78	15.72

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	
B25	B25ES019	5.25	1.62	0.00	0.00	0.00	0.00	5.64	12.51	6.56	1.67	0.00	0.00	0.00	0.00	8.07	16.30
	B25ES020	1.05	0.32	0.00	0.00	0.00	0.00	1.12	2.49	1.31	0.33	0.00	0.00	0.00	0.00	1.61	3.25
	B25ES021	1.12	0.35	0.00	0.00	0.00	0.00	1.20	2.67	1.40	0.35	0.00	0.00	0.00	0.00	1.72	3.47
	B25ES022	1.53	0.47	0.00	0.00	0.00	0.00	1.65	3.65	1.92	0.49	0.00	0.00	0.00	0.00	2.35	4.76
	B25ES023	1.55	0.48	0.00	0.00	0.00	0.00	1.67	3.70	1.94	0.49	0.00	0.00	0.00	0.00	2.38	4.81
	B25ES024	1.64	0.51	0.00	0.00	0.00	0.00	1.77	3.92	2.05	0.52	0.00	0.00	0.00	0.00	2.52	5.09
	B25ES025	2.24	0.69	0.00	0.00	0.00	0.00	2.41	5.34	2.81	0.71	0.00	0.00	0.00	0.00	3.45	6.97
	B25ES026	2.34	0.72	0.00	0.00	0.00	0.00	2.51	5.57	2.93	0.74	0.00	0.00	0.00	0.00	3.60	7.27
	B25ES027	2.42	0.75	0.00	0.00	0.00	0.00	2.60	5.77	3.03	0.77	0.00	0.00	0.00	0.00	3.72	7.52
	B25ES028	3.08	0.95	0.00	0.00	0.00	0.00	3.31	7.34	3.85	0.98	0.00	0.00	0.00	0.00	4.73	9.56
	B25ES029	3.37	1.04	0.00	0.00	0.00	0.00	3.62	8.03	4.21	1.07	0.00	0.00	0.00	0.00	5.18	10.46
	B25ES030	3.88	1.20	0.00	0.00	0.00	0.00	4.17	9.25	4.85	1.23	0.00	0.00	0.00	0.00	5.96	12.04
	B25ES031	4.13	1.28	0.00	0.00	0.00	0.00	4.43	9.84	5.16	1.31	0.00	0.00	0.00	0.00	6.34	12.81
	B25ES032	4.43	1.37	0.00	0.00	0.00	0.00	4.76	10.56	5.54	1.41	0.00	0.00	0.00	0.00	6.81	13.76
	B25ES033	4.86	1.50	0.00	0.00	0.00	0.00	5.22	11.58	6.07	1.54	0.00	0.00	0.00	0.00	7.46	15.07
	B25ES034	5.12	1.58	0.00	0.00	0.00	0.00	5.50	12.20	6.40	1.63	0.00	0.00	0.00	0.00	7.87	15.90
	B25ES035	5.37	1.66	0.00	0.00	0.00	0.00	5.77	12.80	6.72	1.71	0.00	0.00	0.00	0.00	8.25	16.68
	B25ES036	5.66	1.75	0.00	0.00	0.00	0.00	6.08	13.49	7.07	1.80	0.00	0.00	0.00	0.00	8.69	17.56
	B25ES037	5.89	1.82	0.00	0.00	0.00	0.00	6.33	14.04	7.37	1.87	0.00	0.00	0.00	0.00	9.06	18.30
	B25ES038	6.13	1.89	0.00	0.00	0.00	0.00	6.58	14.60	7.66	1.95	0.00	0.00	0.00	0.00	9.41	19.02
	B25ES039	1.26	0.39	0.00	0.00	0.00	0.00	1.35	3.00	1.57	0.40	0.00	0.00	0.00	0.00	1.93	3.90
	B25ES040	1.73	0.54	0.00	0.00	0.00	0.00	1.86	4.13	2.17	0.55	0.00	0.00	0.00	0.00	2.67	5.39
	B25ES041	1.80	0.56	0.00	0.00	0.00	0.00	1.94	4.30	2.25	0.57	0.00	0.00	0.00	0.00	2.77	5.59
	B25ES042	1.94	0.60	0.00	0.00	0.00	0.00	2.09	4.63	2.43	0.62	0.00	0.00	0.00	0.00	2.99	6.04
	B25ES043	2.55	0.79	0.00	0.00	0.00	0.00	2.74	6.08	3.19	0.81	0.00	0.00	0.00	0.00	3.92	7.92
	B25ES044	2.76	0.85	0.00	0.00	0.00	0.00	2.97	6.58	3.45	0.88	0.00	0.00	0.00	0.00	4.25	8.58
	B25ES045	3.11	0.96	0.00	0.00	0.00	0.00	3.34	7.41	3.89	0.99	0.00	0.00	0.00	0.00	4.78	9.66
	B25ES046	3.49	1.08	0.00	0.00	0.00	0.00	3.75	8.32	4.36	1.11	0.00	0.00	0.00	0.00	5.36	10.83
	B25ES047	3.89	1.20	0.00	0.00	0.00	0.00	4.18	9.27	4.86	1.23	0.00	0.00	0.00	0.00	5.97	12.06
	B25ES048	4.28	1.32	0.00	0.00	0.00	0.00	4.60	10.20	5.35	1.36	0.00	0.00	0.00	0.00	6.58	13.29
	B25ES049	4.54	1.40	0.00	0.00	0.00	0.00	4.88	10.82	5.67	1.44	0.00	0.00	0.00	0.00	6.97	14.08
	B25ES050	4.72	1.46	0.00	0.00	0.00	0.00	5.07	11.25	5.90	1.50	0.00	0.00	0.00	0.00	7.25	14.65
	B25ES051	5.10	1.58	0.00	0.00	0.00	0.00	5.48	12.16	6.37	1.62	0.00	0.00	0.00	0.00	7.83	15.82
	B25ES052	5.40	1.67	0.00	0.00	0.00	0.00	5.80	12.87	6.75	1.72	0.00	0.00	0.00	0.00	8.30	16.77
	B25ES053	5.68	1.76	0.00	0.00	0.00	0.00	6.10	13.54	7.10	1.80	0.00	0.00	0.00	0.00	8.72	17.62
	B25ES054	6.04	1.87	0.00	0.00	0.00	0.00	6.49	14.40	7.55	1.92	0.00	0.00	0.00	0.00	9.28	18.75
	B25ES055	6.25	1.93	0.00	0.00	0.00	0.00	6.72	14.90	7.82	1.99	0.00	0.00	0.00	0.00	9.61	19.42
	B25ES056	6.52	2.02	0.00	0.00	0.00	0.00	7.01	15.55	8.15	2.07	0.00	0.00	0.00	0.00	10.02	20.24
B30	B30GB001	0.15	0.05	0.00	0.00	0.00	0.00	0.17	0.37								
	B30GB002	0.20	0.07	0.00	0.00	0.00	0.00	0.23	0.50								

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
B30	B30GB003	0.24	0.08	0.00	0.00	0.00	0.00	0.27	0.59							
	B30GB004	0.34	0.12	0.00	0.00	0.00	0.00	0.39	0.85							
	B30GB005	0.42	0.14	0.00	0.00	0.00	0.00	0.49	1.05							
	B30GB006	0.70	0.24	0.00	0.00	0.00	0.00	0.86	1.80							
	B30GB007	0.79	0.27	0.00	0.00	0.00	0.00	0.98	2.04							
	B30GB008	0.91	0.31	0.00	0.00	0.00	0.00	1.12	2.34							
	B30GB009	1.02	0.35	0.00	0.00	0.00	0.00	1.26	2.63							
	B30GB010	1.21	0.41	0.00	0.00	0.00	0.00	1.49	3.11							
	B30CR001	0.23	0.08	0.00	0.00	0.00	0.00	0.31	0.62							
	B30CR002	0.24	0.08	0.00	0.00	0.00	0.00	0.32	0.64							
	B30CR003	0.27	0.09	0.00	0.00	0.00	0.00	0.36	0.72							
	B30CR004	0.28	0.10	0.00	0.00	0.00	0.00	0.37	0.75							
	B30CR005	0.33	0.11	0.00	0.00	0.00	0.00	0.44	0.88							
	B30CR006	0.39	0.13	0.00	0.00	0.00	0.00	0.52	1.04							
	B30CR007	0.49	0.17	0.00	0.00	0.00	0.00	0.65	1.31							
	B30CR008	0.57	0.20	0.00	0.00	0.00	0.00	0.75	1.52							
	B30GB011	0.62	0.21	0.00	0.00	0.00	0.00	0.81	1.64							
	B30GB012	0.64	0.22	0.00	0.00	0.00	0.00	0.84	1.70							
	B30GB013	0.66	0.23	0.00	0.00	0.00	0.00	0.87	1.76							
	B30GB014	0.89	0.30	0.00	0.00	0.00	0.00	1.17	2.36							
	B30GB015	0.92	0.31	0.00	0.00	0.00	0.00	1.21	2.44							
	B30GB016	1.33	0.46	0.00	0.00	0.00	0.00	1.76	3.55							
	B30GB017	1.60	0.55	0.00	0.00	0.00	0.00	2.10	4.25							
B35	B35HE001	0.45	0.11	0.00	0.00	0.00	0.48	1.04		0.55	0.12	0.00	0.00	0.00	0.68	1.35
	B35HE002	0.54	0.14	0.00	0.00	0.00	0.58	1.26		0.66	0.14	0.00	0.00	0.00	0.81	1.61
	B35HE003	0.66	0.17	0.00	0.00	0.00	0.71	1.54		0.81	0.17	0.00	0.00	0.00	0.99	1.97
	B35HE004	0.78	0.20	0.00	0.00	0.00	0.83	1.81		0.96	0.20	0.00	0.00	0.00	1.18	2.34
	B35HE005	0.91	0.23	0.00	0.00	0.00	0.98	2.12		1.12	0.24	0.00	0.00	0.00	1.38	2.74
	B35HE006	1.13	0.29	0.00	0.00	0.00	1.21	2.63		1.39	0.29	0.00	0.00	0.00	1.70	3.38
	B35HE007	1.24	0.32	0.00	0.00	0.00	1.34	2.90		1.53	0.33	0.00	0.00	0.00	1.88	3.74
	B35HE008	1.52	0.39	0.00	0.00	0.00	1.63	3.54		1.87	0.40	0.00	0.00	0.00	2.30	4.57
	B35HE009	1.58	0.40	0.00	0.00	0.00	1.70	3.68		1.94	0.41	0.00	0.00	0.00	2.39	4.74
	B35HE010	1.95	0.50	0.00	0.00	0.00	2.09	4.54		2.40	0.51	0.00	0.00	0.00	2.95	5.86
	B35HE011	2.11	0.54	0.00	0.00	0.00	2.27	4.92		2.60	0.55	0.00	0.00	0.00	3.19	6.34
	B35HE012	2.25	0.57	0.00	0.00	0.00	2.42	5.24		2.77	0.59	0.00	0.00	0.00	3.40	6.76
	B35HE013	2.56	0.65	0.00	0.00	0.00	2.75	5.96		3.15	0.67	0.00	0.00	0.00	3.87	7.69
	B35HE014	2.96	0.75	0.00	0.00	0.00	3.17	6.88		3.64	0.77	0.00	0.00	0.00	4.47	8.88
	B35HE015	3.21	0.82	0.00	0.00	0.00	3.45	7.48		3.95	0.84	0.00	0.00	0.00	4.86	9.65
	B35HE016	3.94	1.00	0.00	0.00	0.00	4.24	9.18		4.85	1.03	0.00	0.00	0.00	5.97	11.85
	B35HE017	4.53	1.15	0.00	0.00	0.00	4.87	10.55		5.58	1.19	0.00	0.00	0.00	6.86	13.63

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
B35	B35SA001	1.12	0.29	0.00	0.00	0.00	0.00	1.21	2.62		1.38	0.29	0.00	0.00	0.00	0.00	1.70	3.37	
	B35SA002	1.35	0.34	0.00	0.00	0.00	0.00	1.45	3.14		1.66	0.35	0.00	0.00	0.00	0.00	2.04	4.05	
	B35SA003	1.68	0.43	0.00	0.00	0.00	0.00	1.80	3.91		2.07	0.44	0.00	0.00	0.00	0.00	2.54	5.05	
	B35SA004	2.49	0.63	0.00	0.00	0.00	0.00	2.68	5.80		3.07	0.65	0.00	0.00	0.00	0.00	3.77	7.49	
	B35SA005	3.02	0.77	0.00	0.00	0.00	0.00	3.25	7.04		3.72	0.79	0.00	0.00	0.00	0.00	4.57	9.08	
	B35SA006	3.62	0.92	0.00	0.00	0.00	0.00	3.89	8.43		4.45	0.95	0.00	0.00	0.00	0.00	5.47	10.87	
	B35SA007	3.97	1.01	0.00	0.00	0.00	0.00	4.26	9.24		4.89	1.04	0.00	0.00	0.00	0.00	6.00	11.93	
	B35SA008	4.80	1.22	0.00	0.00	0.00	0.00	5.16	11.18		5.91	1.26	0.00	0.00	0.00	0.00	7.26	14.43	
	B35SA009	5.69	1.44	0.00	0.00	0.00	0.00	6.11	13.24		7.00	1.49	0.00	0.00	0.00	0.00	8.60	17.09	
	B35SA010	7.01	1.78	0.00	0.00	0.00	0.00	7.53	16.32		8.63	1.83	0.00	0.00	0.00	0.00	10.60	21.06	
	B35HE018	0.44	0.12	0.00	0.00	0.00	0.00	0.47	1.03		0.56	0.13	0.00	0.00	0.00	0.00	0.69	1.38	
	B35HE019	0.54	0.15	0.00	0.00	0.00	0.00	0.58	1.27		0.69	0.16	0.00	0.00	0.00	0.00	0.85	1.70	
	B35HE020	0.67	0.19	0.00	0.00	0.00	0.00	0.72	1.58		0.86	0.19	0.00	0.00	0.00	0.00	1.05	2.10	
	B35HE021	0.80	0.22	0.00	0.00	0.00	0.00	0.86	1.88		1.02	0.23	0.00	0.00	0.00	0.00	1.26	2.51	
	B35HE022	0.92	0.26	0.00	0.00	0.00	0.00	0.99	2.17		1.18	0.27	0.00	0.00	0.00	0.00	1.45	2.90	
	B35HE023	1.10	0.31	0.00	0.00	0.00	0.00	1.18	2.59		1.41	0.32	0.00	0.00	0.00	0.00	1.73	3.46	
	B35HE024	1.21	0.34	0.00	0.00	0.00	0.00	1.30	2.85		1.56	0.35	0.00	0.00	0.00	0.00	1.91	3.82	
	B35HE025	1.46	0.41	0.00	0.00	0.00	0.00	1.57	3.44		1.88	0.42	0.00	0.00	0.00	0.00	2.31	4.61	
	B35HE026	1.56	0.44	0.00	0.00	0.00	0.00	1.67	3.67		2.00	0.45	0.00	0.00	0.00	0.00	2.46	4.91	
	B35HE027	2.00	0.56	0.00	0.00	0.00	0.00	2.15	4.71		2.57	0.58	0.00	0.00	0.00	0.00	3.16	6.31	
	B35HE028	2.06	0.58	0.00	0.00	0.00	0.00	2.22	4.86		2.65	0.60	0.00	0.00	0.00	0.00	3.26	6.51	
	B35HE029	2.36	0.66	0.00	0.00	0.00	0.00	2.53	5.55		3.03	0.69	0.00	0.00	0.00	0.00	3.72	7.44	
	B35HE030	2.59	0.73	0.00	0.00	0.00	0.00	2.79	6.11		3.34	0.75	0.00	0.00	0.00	0.00	4.10	8.19	
	B35HE031	3.11	0.88	0.00	0.00	0.00	0.00	3.34	7.33		4.00	0.90	0.00	0.00	0.00	0.00	4.91	9.81	
	B35HE032	3.31	0.93	0.00	0.00	0.00	0.00	3.56	7.80		4.26	0.96	0.00	0.00	0.00	0.00	5.23	10.45	
	B35HE033	4.22	1.19	0.00	0.00	0.00	0.00	4.53	9.94		5.42	1.23	0.00	0.00	0.00	0.00	6.67	13.32	
	B35HE034	4.90	1.38	0.00	0.00	0.00	0.00	5.26	11.54		6.29	1.42	0.00	0.00	0.00	0.00	7.74	15.45	
	B35HE035	1.58	0.49	0.00	0.00	0.00	0.00	1.69	3.76		1.97	0.50	0.00	0.00	0.00	0.00	2.42	4.89	
	B35HE036	1.64	0.51	0.00	0.00	0.00	0.00	1.76	3.91		2.05	0.52	0.00	0.00	0.00	0.00	2.52	5.09	
	B35HE037	1.84	0.57	0.00	0.00	0.00	0.00	1.97	4.38		2.30	0.58	0.00	0.00	0.00	0.00	2.82	5.70	
	B35HE038	2.46	0.76	0.00	0.00	0.00	0.00	2.64	5.86		3.07	0.78	0.00	0.00	0.00	0.00	3.78	7.63	
	B35HE039	2.75	0.85	0.00	0.00	0.00	0.00	2.95	6.55		3.43	0.87	0.00	0.00	0.00	0.00	4.22	8.52	
	B35HE040	2.84	0.88	0.00	0.00	0.00	0.00	3.05	6.77		3.55	0.90	0.00	0.00	0.00	0.00	4.36	8.81	
	B35HE041	3.04	0.94	0.00	0.00	0.00	0.00	3.26	7.24		3.80	0.96	0.00	0.00	0.00	0.00	4.67	9.43	
	B35HE042	4.04	1.25	0.00	0.00	0.00	0.00	4.34	9.63		5.05	1.28	0.00	0.00	0.00	0.00	6.21	12.54	
	B35HE043	3.97	1.23	0.00	0.00	0.00	0.00	4.27	9.47		4.97	1.26	0.00	0.00	0.00	0.00	6.11	12.34	
	B35HE044	5.06	1.56	0.00	0.00	0.00	0.00	5.43	12.05		6.32	1.61	0.00	0.00	0.00	0.00	7.77	15.70	
	B35HE045	5.21	1.61	0.00	0.00	0.00	0.00	5.60	12.42		6.51	1.65	0.00	0.00	0.00	0.00	8.00	16.16	
	B35HE046	6.20	1.92	0.00	0.00	0.00	0.00	6.66	14.78		7.75	1.97	0.00	0.00	0.00	0.00	9.52	19.24	
	B35HE047	6.55	2.03	0.00	0.00	0.00	0.00	7.04	15.62		8.19	2.08	0.00	0.00	0.00	0.00	10.07	20.34	

C05

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS						
		DEPR	CPC	FUEL	FOG	TIRE	TIRE	TOTAL	DEPR	CPC	FUEL	FOG	TIRE	TIRE	TOTAL
						WEAR	RPR						WEAR	RPR	
C05	C05B0001	0.15	0.02	0.32	0.60	0.00	0.00	0.56	1.65						
C10	C10B0001	0.39	0.07	0.32	0.08	0.00	0.00	0.74	1.60						
	C10B0002	0.46	0.09	0.32	0.08	0.00	0.00	0.88	1.83						
	C10B0003	0.22	0.04	0.43	0.10	0.00	0.00	0.42	1.21						
	C10B0004	0.28	0.05	0.43	0.10	0.00	0.00	0.53	1.39						
	C10B0005	0.62	0.12	0.17	0.04	0.00	0.00	1.18	2.13						
	C10B0006	0.88	0.16	0.54	0.13	0.00	0.00	1.68	3.39						
	C10B0007	1.05	0.20	0.22	0.05	0.00	0.00	2.01	3.53						
	C10B0008	1.58	0.30	0.30	0.07	0.00	0.00	3.03	5.28						
	C10B0009	1.46	0.27	0.22	0.05	0.00	0.00	2.79	4.79						
	C10B0010	1.88	0.35	0.17	0.04	0.00	0.00	3.60	6.04						
	C10B0011	2.34	0.44	0.35	0.08	0.00	0.00	4.49	7.70						
	C10B0012	2.95	0.55	0.57	0.14	0.00	0.00	5.66	9.87						
	C10B0013	0.37	0.07	0.43	0.10	0.00	0.00	0.71	1.68						
	C10B0002	0.42	0.08	0.43	0.10	0.00	0.00	0.80	1.83						
	C10B0003	0.37	0.07	0.54	0.13	0.00	0.00	0.72	1.83						
	C10WC001	0.33	0.06	0.43	0.10	0.00	0.00	0.64	1.56						
	C10WC002	0.43	0.08	0.43	0.10	0.00	0.00	0.83	1.87						
	C10WC003	0.57	0.11	0.43	0.10	0.00	0.00	1.09	2.30						
	C10WC004	0.68	0.13	0.43	0.10	0.00	0.00	1.30	2.64						
	C10WC005	0.25	0.05	0.43	0.10	0.00	0.00	0.48	1.31						
	C10WC006	0.44	0.08	0.76	0.18	0.00	0.00	0.84	2.30						
	C10WC007	1.22	0.23	0.76	0.18	0.00	0.00	2.34	4.73						
	C10WC008	1.89	0.35	0.26	0.06	0.00	0.00	3.62	6.18						
	C10WC009	3.60	0.67	0.61	0.15	0.00	0.00	6.90	11.93						
	C10WC010	1.56	0.29	1.19	0.28	0.00	0.00	2.98	6.30						
	C10WC011	2.24	0.42	0.35	0.08	0.00	0.00	4.29	7.38						
	C10WC012	2.55	0.47	0.35	0.08	0.00	0.00	4.88	8.33						
	C10WC013	5.12	0.95	0.52	0.13	0.00	0.00	9.82	16.54						
C15	C15BL001	0.92	0.20	0.00	0.50	0.00	0.00	1.32	2.94						
	C15BL002	1.78	0.39	0.00	0.70	0.00	0.00	2.55	5.42						
	C15BL003	3.60	0.78	0.00	1.50	0.00	0.00	5.17	11.05						
	C15BL004	5.08	1.10	0.00	1.75	0.00	0.00	7.30	15.23						
	C15BL005	6.55	1.42	0.00	2.00	0.00	0.00	9.41	19.38						
C20	C20AE001	0.38	0.07	0.42	0.13	0.00	0.00	0.42	1.42						
	C20MU001	0.88	0.18	0.67	0.21	0.08	0.01	1.00	3.03						
	C20MU002	1.10	0.22	0.92	0.29	0.08	0.01	1.25	3.87						
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	0.27	0.05	0.67	0.21	0.00	0.00	0.34	1.54							
	C25ST002	0.29	0.05	0.67	0.21	0.00	0.00	0.37	1.59							
	C25WC001	0.25	0.05	0.42	0.13	0.00	0.00	0.32	1.17							
	C25WC002	0.33	0.06	0.67	0.21	0.00	0.00	0.43	1.70							
C35	C35AL001	1.93	0.45	1.09	0.35	0.08	0.01	2.61	6.52							
	C35AL002	2.26	0.54	1.81	0.58	0.16	0.02	3.07	8.44							
	C35AL003	1.16	0.27	0.00	0.19	0.08	0.01	1.57	3.28							
	C35AL004	2.48	0.56	0.00	0.31	0.04	0.01	3.34	6.74							
	C35AL005	2.67	0.61	0.66	0.18	0.04	0.01	3.60	7.77							
	C35AL006	3.00	0.68	0.66	0.18	0.04	0.01	4.04	8.61							
	C35AL007	1.50	0.34	0.00	0.25	0.00	0.00	2.02	4.11							
	C35AL008	1.63	0.37	0.00	0.30	0.00	0.00	2.19	4.49							
	C35AL009	1.79	0.40	0.00	0.40	0.00	0.00	2.41	5.00							
	C35AL010	4.36	0.99	1.46	0.41	0.03	0.00	5.86	13.11							
	C35AL011	4.94	1.12	2.45	0.69	0.03	0.00	6.64	15.87							
C40	C40ST001	0.25	0.05	0.07	0.24	0.00	0.00	0.31	0.92							
	C40ST002	0.27	0.05	0.42	0.13	0.00	0.00	0.34	1.21							
	C40ST003	0.38	0.07	0.07	0.29	0.00	0.00	0.48	1.29							
	C40ST004	0.43	0.08	0.67	0.21	0.00	0.00	0.55	1.94							
	C40ST005	0.48	0.09	0.14	0.37	0.00	0.00	0.61	1.69							
	C40ST006	0.49	0.09	0.67	0.21	0.00	0.00	0.63	2.09							
C45	C45CA001	12.88	4.33	5.19	1.45	0.00	0.00	20.05	43.90							
	C45CA002	20.95	7.05	7.60	2.13	0.00	0.00	32.62	70.35							
	C45CA003	35.68	12.01	9.14	2.56	0.00	0.00	55.56	114.95							
	C45CA004	42.25	14.22	14.62	4.09	0.00	0.00	65.79	140.97							
	C45GO001	2.76	0.94	4.07	1.30	0.04	0.01	4.30	13.42							
	C45GO002	4.83	1.63	4.07	1.30	0.00	0.00	7.52	19.35							
	C45GO003	10.03	3.38	3.91	1.09	0.00	0.00	15.62	34.03							
	C45GO004	13.62	4.58	6.76	1.89	0.00	0.00	21.20	48.05							
	C45GO005	18.36	6.18	9.68	2.71	0.00	0.00	28.59	65.52							
	C45GO006	29.13	9.81	8.55	2.39	0.00	0.00	45.36	95.24							
	C45GO007	34.05	11.46	8.55	2.39	0.00	0.00	53.01	109.46							
	C45GO008	42.73	14.38	16.59	4.64	0.00	0.00	66.53	144.87							
	C45GO009	48.55	16.34	16.59	4.64	0.00	0.00	75.60	161.72							
C55	C55M0001	2.07	0.52	3.41	1.09	0.03	0.00	3.09	10.21							
	C55M0002	3.72	0.94	3.37	0.94	0.03	0.00	5.56	14.56							
	C55M0003	4.40	1.11	5.07	1.42	0.03	0.00	6.57	18.60							

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	
C55	C55M0004	4.66	1.18	5.07	1.42	0.03	0.00	6.97	19.33														
	C55M0005	10.42	2.66	7.38	2.07	0.19	0.03	15.60	38.35														
	C55M0006	11.62	2.96	9.68	2.71	0.19	0.03	17.39	44.58														
	C55M0007	17.46	4.45	9.68	2.71	0.35	0.05	26.13	60.83														
	C55M0008	19.82	5.07	9.68	2.71	0.61	0.09	29.68	67.66														
	C55M0009	25.32	6.46	12.45	3.49	0.61	0.09	37.91	86.33														
	C55M0010	26.44	6.74	12.45	3.49	0.61	0.09	39.57	89.39														
	C55M0011	27.89	7.11	12.45	3.49	0.61	0.09	41.74	93.38														
	C55M0012	28.97	7.38	12.45	3.49	0.61	0.09	43.36	96.35														
	C55SC001	5.39	1.36	3.14	0.88	0.03	0.00	8.06	18.86														
	C55SC002	12.25	3.11	8.16	2.29	0.16	0.02	18.32	44.31														
	C55SC003	17.39	4.41	9.82	2.75	0.16	0.02	26.01	60.56														
	C55SC004	22.22	5.61	16.32	4.57	0.08	0.01	33.20	82.01														
	C55SC005	21.44	5.50	14.69	4.11	0.75	0.11	32.13	78.73														
	C55SC006	28.68	7.33	14.69	4.11	0.78	0.12	42.94	98.65														
	C55SC007	34.32	8.78	16.09	4.51	1.05	0.16	51.40	116.31														
	C55SC008	42.86	10.94	16.09	4.51	1.09	0.16	64.17	139.82														
	C55SC009	55.16	14.04	24.49	6.86	1.09	0.16	82.54	184.34														
C60	C60FE001	0.12	0.03	0.11	0.03	0.00	0.00	0.19	0.48														
	C60FE002	0.14	0.03	0.22	0.07	0.00	0.00	0.23	0.69														
	C60FE003	0.36	0.08	1.19	0.38	0.00	0.00	0.57	2.58														
	C60FE004	0.74	0.16	2.16	0.69	0.00	0.00	1.18	4.93														
	C60FE005	0.75	0.16	2.16	0.69	0.00	0.00	1.20	4.96														
	C60HO001	0.21	0.05	0.86	0.28	0.00	0.00	0.33	1.73														
	C60HO002	0.26	0.06	1.51	0.48	0.00	0.00	0.42	2.73														
	C60LY001	1.42	0.31	1.08	0.35	0.00	0.00	2.27	5.43														
	C60LY002	1.58	0.34	3.78	1.21	0.00	0.00	2.52	9.43														
	C60LY003	0.17	0.04	0.86	0.28	0.00	0.00	0.28	1.63														
	C60LY004	0.22	0.05	1.19	0.38	0.00	0.00	0.35	2.19														
	C60LY005	0.22	0.05	1.19	0.38	0.00	0.00	0.35	2.19														
	C60LY006	0.24	0.05	0.45	0.20	0.00	0.00	0.38	1.32														
	C60LY007	0.82	0.18	1.94	0.62	0.00	0.00	1.31	4.87														
	C60LY008	1.01	0.22	3.78	1.21	0.00	0.00	1.61	7.83														
	C60LY009	1.90	0.41	7.01	2.24	0.00	0.00	3.03	14.59														
C65	C65MS001	0.18	0.03	0.00	0.06	0.00	0.00	0.73	1.00														
	C65MS002	0.23	0.04	0.00	0.08	0.00	0.00	0.93	1.28														
	C65MS003	0.25	0.04	0.00	0.10	0.00	0.00	1.03	1.42														
	C65MS004	0.28	0.04	0.00	0.13	0.00	0.00	1.14	1.59														
	C65MS005	0.44	0.07	0.00	0.15	0.00	0.00	1.77	2.43														

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	0.07	0.16	0.00	0.00	1.06	1.59						
	C65WC002	0.28	0.04	0.13	0.20	0.00	0.00	1.12	1.77						
C75	C75BA001	16.08	7.02	7.20	2.16	2.11	0.32	20.08	54.97						
	C75BA002	18.27	8.06	7.20	2.16	3.12	0.47	22.84	62.12						
C75	C75BD001	3.51	1.50	5.79	1.85	0.20	0.03	4.37	17.25						
	C75BD002	4.33	1.85	8.78	2.81	0.29	0.04	5.38	23.48						
C75	C75BD003	5.47	2.37	8.78	2.81	0.60	0.09	6.82	26.94						
	C75GV001	9.38	4.09	3.84	1.15	1.20	0.18	11.71	31.55						
C75	C75GV002	9.38	4.09	3.84	1.15	1.20	0.18	11.71	31.55						
	C75GV003	9.38	4.09	3.84	1.15	1.20	0.18	11.71	31.55						
C75	C75GV004	9.45	4.07	4.57	1.37	0.85	0.13	11.77	32.21						
	C75GV005	9.45	4.07	4.57	1.37	0.85	0.13	11.77	32.21						
C75	C75GV006	9.45	4.07	4.57	1.37	0.85	0.13	11.77	32.21						
	C75GV007	9.99	4.30	4.57	1.37	0.85	0.13	12.45	33.66						
C75	C75GV008	11.22	4.97	4.57	1.37	2.11	0.32	14.04	38.60						
	C75GV009	11.22	4.97	4.57	1.37	2.11	0.32	14.04	38.60						
C75	C75GV010	11.22	4.97	4.57	1.37	2.11	0.32	14.04	38.60						
	C75GV011	13.32	5.85	4.57	1.37	2.11	0.32	16.64	44.18						
C75	C75GV012	18.58	8.11	6.47	1.94	1.75	0.26	23.19	60.30						
	C75GV013	19.77	8.56	7.23	2.17	2.11	0.32	24.64	64.80						
C75	C75GV014	22.39	9.91	7.23	2.17	4.12	0.62	28.01	74.45						
	C75GV015	27.66	12.16	8.40	2.52	4.44	0.67	34.57	90.42						
C75	C75GV016	34.69	15.90	10.23	3.07	7.67	1.15	43.68	116.39						
	C75GV017	70.37	31.02	18.71	5.61	11.87	1.78	87.99	227.35						
C75	C75LO001	8.07	3.57	4.57	1.37	1.50	0.23	10.10	29.41						
	C75LO002	9.17	4.03	4.57	1.37	1.50	0.23	11.46	32.33						
C75	C75LO003	9.61	4.22	4.57	1.37	1.50	0.23	12.01	33.51						
	C75LO004	10.04	4.40	4.57	1.37	1.50	0.23	12.54	34.65						
C75	C75LO005	10.73	4.69	4.57	1.37	1.50	0.23	13.40	36.49						
	C75LO006	11.08	4.84	4.57	1.37	1.50	0.23	13.83	37.42						
C75	C75LO007	12.92	5.67	6.58	1.97	1.96	0.29	16.14	45.53						
	C75PH001	10.31	4.48	4.75	1.43	1.20	0.18	12.86	35.21						
C75	C75PH002	10.59	4.59	4.75	1.43	1.20	0.18	13.20	35.94						
	C75PH003	11.22	4.86	4.75	1.43	1.20	0.18	13.99	37.63						
C75	C75PH004	11.27	4.88	4.75	1.43	1.20	0.18	14.05	37.76						
	C75PH005	11.70	5.07	4.75	1.43	1.28	0.19	14.59	39.01						
C75	C75PH006	13.84	6.00	5.66	1.70	1.50	0.23	17.26	46.19						
	C75PH007	14.32	6.20	5.66	1.70	1.50	0.23	17.85	47.46						
C75	C75PH008	19.24	8.34	7.38	2.21	2.11	0.32	23.99	63.59						
	C75PH009	19.54	8.63	7.38	2.21	3.43	0.51	24.44	66.14						

EP 1110-1-8
(Vol. I)
30 Aug 91

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS								
		TIRE WEAR		TIRE RPR		TOTAL RATE	TIRE WEAR		TIRE RPR		TOTAL RATE						
		DEPR	CFC	FUEL	POG		RPR	DEPR	CFC	FUEL	POG	RPR	RPR	RPR	RPR		
C75	C75PH010	20.29	8.94	7.38	2.21	3.43	0.51	25.37	68.13								
	C75PH011	25.96	11.45	8.59	2.58	4.44	0.67	32.47	86.16								
	C75TD001	11.14	4.86	5.59	1.68	1.43	0.21	13.91	38.82								
	C75TD002	12.43	5.39	5.59	1.68	1.43	0.21	15.50	42.23								
	C75TD003	14.78	6.39	6.94	2.08	1.50	0.23	18.42	50.34								
	C75TD004	22.90	9.88	6.94	2.08	2.11	0.32	28.52	72.75								
	C75TD005	24.98	11.00	6.94	2.08	4.12	0.62	31.23	80.97								
C80	C80GV001	12.91	5.51	5.48	1.97	0.59	0.09	12.04	38.59	15.06	5.58	7.16	2.58	0.72	0.11	15.20	46.41
	C80LI001	14.30	6.11	6.26	2.26	0.69	0.10	13.35	43.07	16.69	6.19	8.18	2.94	0.85	0.13	16.86	51.84
	C80LI002	13.74	5.87	6.42	2.31	0.67	0.10	12.82	41.93	16.03	5.95	8.38	3.02	0.83	0.12	16.19	50.52
	C80PH001	14.01	5.98	6.58	2.37	0.66	0.10	13.07	42.77	16.35	6.06	8.59	3.09	0.81	0.12	16.51	51.53
	C80GV002	11.63	5.61	5.48	1.43	0.59	0.09	12.66	37.49	13.29	5.67	7.16	1.86	0.72	0.11	15.49	44.30
	C80GV003	12.42	5.99	5.48	1.43	0.63	0.09	13.51	39.55	14.19	6.05	7.16	1.86	0.78	0.12	16.53	46.69
	C80GV004	13.56	6.54	5.11	1.33	0.65	0.10	14.76	42.05	15.50	6.61	6.67	1.73	0.80	0.12	18.06	49.49
	C80GV005	16.46	7.97	6.42	1.67	1.02	0.15	17.92	51.61	18.81	8.05	8.38	2.18	1.25	0.19	21.93	60.79
	C80GV006	19.03	9.20	6.42	1.67	1.02	0.15	20.71	58.20	21.75	9.29	8.38	2.18	1.25	0.19	25.35	68.39
	C80GV007	22.16	10.69	7.86	2.04	1.06	0.16	24.11	68.08	25.33	10.79	10.26	2.67	1.29	0.19	29.50	80.03
	C80LI003	13.43	6.49	6.58	1.71	0.69	0.10	14.62	43.62	15.35	6.55	8.59	2.23	0.85	0.13	17.89	51.59
	C80LI004	14.11	6.81	6.58	1.71	0.69	0.10	15.35	45.35	16.13	6.87	8.59	2.23	0.85	0.13	18.79	53.59
	C80LI005	16.63	8.06	7.52	1.95	1.02	0.15	18.10	53.43	19.01	8.13	9.81	2.55	1.25	0.19	22.16	63.10
	C80LI006	18.33	8.87	7.52	1.95	1.06	0.16	19.95	57.84	20.95	8.96	9.81	2.55	1.29	0.19	24.42	68.17
	C80LI007	19.12	9.25	7.52	1.95	1.12	0.17	20.81	59.94	21.85	9.34	9.81	2.55	1.36	0.20	25.47	70.58
	C80PH002	13.14	6.31	6.58	1.71	0.43	0.06	14.29	42.52	15.02	6.37	8.59	2.23	0.52	0.08	17.49	50.30
	C80PH003	13.51	6.49	6.58	1.71	0.43	0.06	14.69	43.47	15.44	6.55	8.59	2.23	0.52	0.08	17.98	51.39
	C80PH004	17.36	8.40	7.05	1.83	1.02	0.15	18.90	54.71	19.84	8.48	9.20	2.39	1.25	0.19	23.13	64.48
	C80PH005	18.44	8.92	7.05	1.83	1.02	0.15	20.07	57.48	21.08	9.00	9.20	2.39	1.25	0.19	24.56	67.67
	C80PH006	19.10	9.23	7.05	1.83	1.02	0.15	20.79	59.17	21.83	9.32	9.20	2.39	1.25	0.19	25.44	69.62
	C80PH007	22.06	10.64	10.49	2.73	1.02	0.15	23.99	71.08	25.21	10.74	13.70	3.56	1.25	0.19	29.36	84.01
	C80GV008	21.23	11.60	7.86	2.04	2.30	0.35	26.46	71.84	23.88	11.70	10.26	2.67	2.79	0.42	31.61	83.33
	C80GV009	24.91	13.51	8.72	2.27	2.06	0.31	31.01	82.79	28.02	13.62	11.04	2.87	2.53	0.38	37.04	95.50
	C80GV010	25.15	13.70	8.67	2.25	2.51	0.38	31.33	83.99	28.29	13.81	10.99	2.86	3.10	0.47	37.43	96.95
	C80GV011	34.69	20.85	7.76	2.02	3.76	0.56	48.60	118.24	38.54	20.98	9.76	2.54	4.65	0.70	57.02	134.19
	C80GV012	42.22	25.26	8.20	2.13	3.76	0.56	59.11	141.24	46.91	25.43	10.28	2.67	4.65	0.70	69.35	159.99
C85	C85N0001	21.44	7.83	4.63	1.48	0.00	0.00	26.59	61.97	25.73	7.96	5.95	1.90	0.00	0.00	35.89	77.43
	C85PH001	12.08	4.41	2.27	0.72	0.00	0.00	14.99	34.47	14.50	4.49	2.91	0.93	0.00	0.00	20.23	43.06
	C85AM001	13.91	5.84	2.27	0.77	0.00	0.00	18.32	41.11	16.23	5.92	2.91	0.99	0.00	0.00	23.90	49.95
	C85AM002	19.28	8.10	3.05	1.04	0.00	0.00	25.39	56.86	22.49	8.21	3.92	1.33	0.00	0.00	33.13	69.08
	C85N0002	18.59	7.81	4.63	1.57	0.00	0.00	24.49	57.09	21.69	7.92	5.95	2.02	0.00	0.00	31.95	69.53
	C85N0003	21.93	9.21	5.80	1.97	0.00	0.00	28.87	67.78	25.58	9.34	7.45	2.53	0.00	0.00	37.68	82.58

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		
C85	C85NC004	30.83	12.95	5.80	1.97	0.00	0.00	40.60	92.15	35.97	13.13	7.45	2.53	0.00	0.00	52.98	112.06
	C85PH002	22.86	9.60	3.17	1.08	0.00	0.00	30.10	66.81	26.66	9.73	4.07	1.38	0.00	0.00	39.28	81.12
	C85AM003	39.53	18.79	6.80	1.50	0.00	0.00	58.23	124.85	45.18	18.97	8.74	1.92	0.00	0.00	73.55	148.36
	C85MA001	29.99	14.26	6.99	1.54	0.00	0.00	44.17	96.95	34.27	14.39	8.99	1.98	0.00	0.00	55.79	115.42
	C85MA002	50.45	23.99	8.77	1.93	0.00	0.00	74.32	159.46	57.66	24.22	11.28	2.48	0.00	0.00	93.86	189.50
	C85NC005	31.80	15.12	5.80	1.28	0.00	0.00	46.83	100.83	36.34	15.26	7.45	1.64	0.00	0.00	59.15	119.84
	C85NC006	30.13	14.32	7.41	1.63	0.00	0.00	44.38	97.87	34.43	14.46	9.52	2.09	0.00	0.00	56.05	116.55
	C85PH003	32.48	15.44	4.58	1.01	0.00	0.00	47.85	101.36	37.13	15.59	5.89	1.30	0.00	0.00	60.43	120.34
	C85PB004	32.69	15.54	6.33	1.39	0.00	0.00	48.15	104.10	37.36	15.69	8.14	1.79	0.00	0.00	60.81	123.79
	C85PH005	43.29	20.58	6.33	1.39	0.00	0.00	63.76	135.35	49.47	20.78	8.14	1.79	0.00	0.00	80.53	160.71
	C85AM004	94.48	50.13	21.92	5.26	0.00	0.00	153.80	325.59	106.29	50.53	28.19	6.77	0.00	0.00	189.49	381.27
	C85AM005	94.87	50.33	21.92	5.26	0.00	0.00	154.43	326.81	106.73	50.74	28.19	6.77	0.00	0.00	190.26	382.69
	C85MA003	70.40	37.35	16.69	4.00	0.00	0.00	114.59	243.03	79.20	37.65	21.45	5.15	0.00	0.00	141.18	284.63
	C85NC007	35.08	19.04	11.11	2.67	0.00	0.00	58.41	127.11	40.37	19.19	14.28	3.43	0.00	0.00	71.97	149.24
	C85PH006	11.28	4.43	1.78	0.57	0.00	0.00	11.36	29.42	13.33	4.50	2.35	0.75	0.00	0.00	14.47	35.40
	C85AM006	13.43	6.01	1.78	0.36	0.00	0.00	15.61	37.19	15.50	6.08	2.35	0.47	0.00	0.00	19.22	43.62
	C85AM007	18.54	8.30	2.39	0.48	0.00	0.00	21.55	51.26	21.39	8.40	3.15	0.63	0.00	0.00	26.53	60.10
	C85LB001	12.47	5.59	1.91	0.38	0.00	0.00	14.49	34.84	14.39	5.65	2.52	0.50	0.00	0.00	17.85	40.91
	C85LB002	15.45	6.92	2.30	0.46	0.00	0.00	17.95	43.08	17.82	6.99	3.03	0.61	0.00	0.00	22.10	50.55
	C85LB003	16.13	7.22	2.30	0.46	0.00	0.00	18.74	44.85	18.61	7.30	3.03	0.61	0.00	0.00	23.08	52.63
	C85LB004	19.17	8.58	2.30	0.46	0.00	0.00	22.28	52.79	22.12	8.68	3.03	0.61	0.00	0.00	27.43	61.87
	C85NC008	15.71	7.03	3.64	0.73	0.00	0.00	18.25	45.36	18.12	7.11	4.79	0.96	0.00	0.00	22.47	53.45
	C85NC009	15.03	7.09	3.64	0.73	0.00	0.00	18.40	45.69	18.27	7.17	4.79	0.96	0.00	0.00	22.66	53.85
	C85NC010	20.37	9.12	4.56	0.91	0.00	0.00	23.67	58.63	23.50	9.22	6.00	1.20	0.00	0.00	29.14	69.06
	C85AM008	17.84	9.46	2.39	0.53	0.00	0.00	23.49	53.71	20.06	9.54	3.15	0.69	0.00	0.00	27.99	61.43
	C85AM009	20.32	10.78	2.39	0.53	0.00	0.00	26.76	60.78	22.86	10.87	3.15	0.69	0.00	0.00	31.88	69.45
	C85AM010	26.27	13.94	4.08	0.90	0.00	0.00	34.60	79.79	29.56	14.05	5.37	1.18	0.00	0.00	41.23	91.39
	C85AM011	37.19	19.73	5.34	1.17	0.00	0.00	48.98	112.41	41.84	19.89	7.04	1.55	0.00	0.00	58.36	128.68
	C85LB005	21.76	11.55	3.73	0.82	0.00	0.00	28.66	66.52	24.48	11.64	4.92	1.08	0.00	0.00	34.15	76.27
	C85LB006	25.64	13.61	4.79	1.05	0.00	0.00	33.77	78.86	28.85	13.72	6.31	1.39	0.00	0.00	40.24	90.51
	C85LB007	32.25	17.11	4.73	1.04	0.00	0.00	42.47	97.60	36.28	17.25	6.23	1.37	0.00	0.00	50.61	111.74
	C85MA004	29.30	15.54	5.49	1.21	0.00	0.00	38.58	90.12	32.96	15.67	7.24	1.59	0.00	0.00	45.98	103.44
	C85MA005	34.62	18.37	5.74	1.26	0.00	0.00	45.59	105.58	38.94	18.51	7.57	1.67	0.00	0.00	54.32	121.01
	C85NC011	23.61	12.53	4.56	1.00	0.00	0.00	31.09	72.79	26.56	12.63	6.00	1.32	0.00	0.00	37.05	83.56
	C85NC012	29.04	15.41	4.56	1.00	0.00	0.00	38.24	88.25	32.67	15.53	6.00	1.32	0.00	0.00	45.57	101.09
	C85NC013	26.41	14.01	5.82	1.28	0.00	0.00	34.78	82.30	29.71	14.13	7.67	1.69	0.00	0.00	41.45	94.65
	C85NC014	37.10	19.68	8.73	1.92	0.00	0.00	48.85	116.28	41.73	19.84	11.50	2.53	0.00	0.00	58.22	133.82
	C85PH007	19.16	10.16	2.49	0.55	0.00	0.00	25.23	57.59	21.55	10.25	3.28	0.72	0.00	0.00	30.06	65.86
	C85PH008	31.73	16.83	3.60	0.79	0.00	0.00	41.78	94.73	35.70	16.97	4.74	1.04	0.00	0.00	49.79	108.24
	C85PH009	31.51	16.72	4.98	1.09	0.00	0.00	41.49	95.79	35.45	16.85	6.56	1.44	0.00	0.00	49.45	109.75
	C85AM012	40.88	23.94	5.68	1.36	0.00	0.00	60.21	132.07	45.42	24.10	7.49	1.80	0.00	0.00	70.40	149.21

EP 110-18
30 Aug 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		
C85	C85AM013	47.13	27.61	5.68	1.36	0.00	0.00	69.42	151.20	52.37	27.78	7.49	1.80	0.00	0.00	81.16	170.60
	C85AM014	70.50	41.29	9.93	2.38	0.00	0.00	103.85	227.95	78.33	41.56	13.09	3.14	0.00	0.00	121.40	257.52
	C85AM015	95.75	56.08	9.93	2.38	0.00	0.00	141.04	305.18	106.39	56.45	13.09	3.14	0.00	0.00	164.88	343.95
	C85LB008	107.68	63.07	11.48	2.76	0.00	0.00	158.61	343.60	119.64	63.48	15.14	3.63	0.00	0.00	185.42	387.31
	C85LB009	128.72	75.40	11.48	2.76	0.00	0.00	189.61	407.97	143.02	75.88	15.14	3.63	0.00	0.00	221.66	459.33
	C85MA006	43.35	25.39	6.89	1.65	0.00	0.00	63.85	141.13	48.16	25.55	9.08	2.18	0.00	0.00	74.64	159.61
	C85MA007	64.02	37.50	13.11	3.15	0.00	0.00	94.30	212.08	71.14	37.74	17.28	4.15	0.00	0.00	110.25	240.56
	C85PH010	38.30	22.44	4.98	1.19	0.00	0.00	56.42	123.33	42.56	22.58	6.56	1.57	0.00	0.00	65.96	139.23
	C85PH011	50.20	29.40	6.28	1.51	0.00	0.00	73.95	161.34	55.78	29.59	8.28	1.99	0.00	0.00	86.45	182.09
C90	C90LI001	18.99	9.19	4.25	1.11	1.10	0.17	20.67	55.48	21.71	9.27	5.33	1.39	1.35	0.20	25.30	64.55
	C90LI002	21.56	10.53	5.96	1.55	1.98	0.30	23.50	65.38	24.64	10.63	7.44	1.93	2.45	0.37	28.76	76.22
	C90AM001	23.35	12.67	5.89	1.53	1.98	0.30	29.06	74.78	26.26	12.77	7.43	1.93	2.45	0.37	34.72	85.93
	C90AM002	32.10	17.34	12.95	3.37	2.16	0.32	39.93	108.17	36.11	17.48	16.54	4.30	2.67	0.40	47.70	125.20
	C90LI003	30.70	16.65	7.69	2.00	2.51	0.38	38.21	98.14	34.54	16.78	9.69	2.52	3.10	0.47	45.66	112.76
	C90AM003	42.11	24.91	11.17	2.90	1.72	0.26	58.83	141.90	46.79	25.07	14.19	3.69	2.13	0.32	69.03	161.22
	C90AM004	56.35	33.82	11.96	3.11	5.74	0.86	78.93	190.77	62.61	34.04	15.12	3.93	7.10	1.07	92.61	216.48
	C90LI004	31.96	19.08	7.69	2.00	2.51	0.38	44.73	108.35	35.51	19.20	9.69	2.52	3.10	0.47	52.47	122.96
	C90LI005	49.14	29.32	13.32	3.46	3.77	0.57	66.77	168.35	54.60	29.51	16.91	4.40	4.65	0.70	80.68	191.45
C95	C90PH001	36.95	22.00	9.35	2.43	2.51	0.38	51.68	125.30	41.05	22.14	11.82	3.07	3.10	0.47	60.64	142.29
	C90PH002	79.93	47.40	14.96	3.89	4.13	0.62	111.73	262.66	88.81	47.71	19.04	4.95	5.10	0.77	131.09	297.47
	C95AP001	14.45	8.55	7.15	8.88	0.00	0.00	20.40	59.43								
	C95AP002	0.63	0.37	0.00	0.00	0.00	0.00	0.89	1.89								
	C95AP003	2.34	1.38	0.00	0.00	0.00	0.00	3.30	7.02								
	C95AP004	21.74	12.86	10.40	10.50	0.00	0.00	30.70	86.20								
	C95AP005	0.75	0.44	0.00	0.00	0.00	0.00	1.06	2.25								
	C95AP006	2.79	1.65	0.00	0.00	0.00	0.00	3.94	8.38								
	C95AP007	28.77	17.02	11.25	10.92	0.00	0.00	40.62	108.58								
D10	C95AP008	1.02	0.60	0.00	0.00	0.00	0.00	1.44	3.06								
	C95AP009	3.09	1.83	0.00	0.00	0.00	0.00	4.37	9.29								
	C95AP010	38.34	22.69	16.45	13.52	0.00	0.00	54.14	145.14								
	C95AP011	1.08	0.64	0.00	0.00	0.00	0.00	1.53	3.25								
	C95AP012	5.93	3.51	0.00	0.00	0.00	0.00	8.37	17.81								
	C95AP013	37.81	22.37	14.37	12.48	0.00	0.00	53.38	140.41								
	C95AP014	1.02	0.60	0.00	0.00	0.00	0.00	1.44	3.06								
	C95AP015	6.23	3.69	0.00	0.00	0.00	0.00	8.80	18.72								
	D10GD001	7.22	2.44	0.00	0.79	0.00	0.00	11.47	21.92								
	D10GD002	7.36	2.49	0.00	0.79	0.00	0.00	11.69	22.33								
	D10GD003	7.59	2.57	0.00	0.79	0.00	0.00	12.06	23.01								

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
D10	D10GD004	7.86	2.66	0.00	0.84	0.00	0.00	12.48	23.84							
	D10GD005	8.01	2.71	0.00	0.84	0.00	0.00	12.72	24.28							
	D10GD006	8.23	2.78	0.00	0.84	0.00	0.00	13.07	24.92							
	D10GD007	13.96	4.72	5.95	1.67	0.00	0.00	22.17	48.47							
	D10GD008	19.89	6.73	8.73	2.44	0.00	0.00	31.59	69.38							
	D10IN001	13.54	4.58	8.42	2.36	0.00	0.00	21.51	50.41							
	D10IN002	8.50	2.88	0.00	0.84	0.00	0.00	13.50	25.72							
	D10IN003	7.50	2.54	0.00	0.79	0.00	0.00	11.92	22.75							
	D10SU001	2.95	1.00	0.00	0.49	0.00	0.00	4.68	9.12							
	D10SU002	8.47	2.87	0.00	0.80	0.00	0.00	13.46	25.60							
	D10SU003	8.92	3.02	0.00	0.80	0.00	0.00	14.17	26.91							
	D10SU004	11.99	4.06	0.00	0.90	0.00	0.00	19.04	35.99							
D15	D15BI001	0.66	0.22	0.96	0.31	0.00	0.00	0.95	3.10							
	D15BI002	1.02	0.35	1.54	0.49	0.00	0.00	1.46	4.86							
	D15BI003	1.22	0.41	1.21	0.34	0.00	0.00	1.75	4.93							
	D15BI004	2.48	0.84	1.76	0.49	0.00	0.00	3.54	9.11							
	D15BI005	3.29	1.11	2.54	0.71	0.00	0.00	4.70	12.35							
	D15BI006	5.18	1.75	3.52	0.99	0.00	0.00	7.40	18.84							
	D15BI007	6.80	2.30	4.31	1.21	0.00	0.00	9.73	24.35							
D20	D20AD001	0.23	0.06	0.08	0.24	0.00	0.00	0.31	0.92							
	D20AD002	0.29	0.08	0.16	0.32	0.00	0.00	0.39	1.24							
	D20AD003	0.46	0.13	0.24	0.41	0.00	0.00	0.62	1.86							
	D20AD004	1.05	0.29	0.88	1.39	0.00	0.00	1.41	5.02							
	D20LY001	0.44	0.12	0.24	0.61	0.00	0.00	0.60	2.01							
	D20LY002	0.47	0.13	0.00	0.60	0.00	0.00	0.64	1.84							
D25	D25AD001	2.26	0.76	0.78	0.19	0.00	0.00	3.58	7.57							
	D25AD002	3.06	1.04	1.88	0.45	0.00	0.00	4.86	11.29							
	D25AD003	4.15	1.40	2.04	0.49	0.00	0.00	6.59	14.67							
	D25SP001	1.45	0.49	2.89	0.46	0.00	0.00	2.31	7.60							
	D25SP002	1.57	0.53	2.21	0.35	0.00	0.00	2.49	7.15							
	D25SP003	2.34	0.79	3.85	0.62	0.00	0.00	3.72	11.32							
	D25SP004	2.59	0.88	4.43	0.71	0.00	0.00	4.11	12.72							
	D25SP005	3.36	1.14	8.76	1.40	0.00	0.00	5.34	20.00							
D30	D25SP006	1.95	0.67	1.37	0.33	0.04	0.01	3.10	7.47							
	D25SP007	2.41	0.82	1.84	0.44	0.04	0.01	3.84	9.40							
	D30HD001	5.41	1.83	8.22	4.30	0.00	0.00	8.59	28.35							
	D30HD002	9.46	3.20	10.57	5.96	0.00	0.00	15.02	44.21							

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
D30	D30HD003	10.83	3.66	13.12	7.67	0.00	0.00	17.20	52.48						
	D30MR001	0.44	0.15	0.67	0.22	0.00	0.00	0.70	2.18						
	D30MR002	1.21	0.41	2.31	0.74	0.00	0.00	1.92	6.59						
	D30MR003	2.06	0.71	9.15	2.93	0.09	0.01	3.29	18.24						
	D30MR004	2.52	0.87	4.11	1.15	0.09	0.01	4.01	12.76						
	D30MR005	4.46	1.55	15.79	5.05	0.36	0.05	7.13	34.39						
	D30MR006	4.92	1.71	14.03	4.49	0.36	0.05	7.87	33.43						
	D30MR007	8.42	2.89	14.81	4.74	0.36	0.05	13.43	44.70						
D35	D35GD001	11.81	5.44	5.13	1.95	0.00	0.00	18.76	43.09						
	D35GD002	12.30	5.66	9.79	3.72	0.00	0.00	19.54	51.01						
	D35GD003	15.70	7.23	9.79	3.72	0.00	0.00	24.94	61.38						
	D35GD004	19.45	8.95	12.72	4.84	0.00	0.00	30.89	76.85						
	D35IN001	20.02	9.22	17.62	6.69	0.00	0.00	31.81	85.36						
	D35IN002	27.06	12.58	22.65	8.61	1.40	0.21	43.07	115.58						
	D35IN003	20.82	9.69	18.60	7.07	1.12	0.17	33.15	90.62						
	D35RO001	18.27	8.53	15.66	5.95	1.24	0.19	29.11	78.95						
	D35RO002	27.24	12.75	15.48	5.88	2.25	0.34	43.43	107.37						
	D35RO003	22.57	10.39	14.49	5.50	0.00	0.00	35.85	88.80						
	D35RO004	25.24	11.62	14.49	5.50	0.00	0.00	40.10	96.95						
	D35RO005	21.21	9.77	15.66	5.95	0.00	0.00	33.70	86.29						
F10	D35RO006	28.88	16.84	20.55	6.58	0.00	0.00	45.88	118.73						
	F10CA001	1.71	0.59	1.17	0.53	0.07	0.01	2.06	6.14						
	F10CA002	1.74	0.61	1.17	0.53	0.10	0.02	2.10	6.27						
	F10CA003	1.90	0.66	2.08	0.94	0.11	0.02	2.29	8.00						
	F10CA004	2.14	0.74	2.08	0.94	0.11	0.02	2.58	8.61						
	F10CA005	2.53	0.88	3.06	1.37	0.11	0.02	3.04	11.01						
	F10CA006	3.07	1.07	3.45	1.55	0.16	0.02	3.69	13.01						
	F10CA007	3.22	1.12	3.45	1.55	0.14	0.02	3.87	13.37						
	F10CA008	3.38	1.16	3.45	1.55	0.10	0.02	4.06	13.72						
	F10CA009	1.63	0.56	2.88	0.69	0.04	0.01	1.95	7.76						
	F10CA010	1.82	0.64	3.73	0.90	0.13	0.02	2.19	9.43						
	F10CA011	1.89	0.68	3.73	0.90	0.25	0.04	2.30	9.79						
	F10CA012	2.84	0.99	4.90	1.18	0.17	0.03	3.42	13.53						
	F10CA013	2.87	1.00	4.90	1.18	0.17	0.03	3.45	13.60						
	F10CA014	2.99	1.04	4.90	1.18	0.17	0.03	3.60	13.91						
	F10CA015	4.24	1.48	2.07	0.50	0.26	0.04	5.12	13.71						
	F10CA016	4.58	1.60	2.19	0.53	0.26	0.04	5.52	14.72						
	F10CA017	5.89	2.10	3.92	0.94	0.59	0.09	7.13	20.66						
	F10CA018	6.46	2.29	3.92	0.94	0.59	0.09	7.81	22.10						

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	7.01	2.47	3.92	0.94	0.57	0.09	8.46	23.46						
	F10CA020	7.21	2.57	3.92	0.94	0.74	0.11	8.73	24.22						
	F10CA021	2.80	0.99	2.13	0.51	0.26	0.04	3.39	10.12						
	F10CA022	2.86	1.01	2.13	0.51	0.26	0.04	3.46	10.27						
	F10CA023	3.44	1.21	2.13	0.51	0.26	0.04	4.16	11.75						
	F10CA024	3.47	1.25	2.13	0.51	0.48	0.07	4.21	12.12						
	F10HY001	1.53	0.55	3.58	0.86	0.16	0.02	1.86	8.56						
	F10HY002	2.11	0.74	4.90	1.18	0.17	0.03	2.55	11.68						
	F10HY003	3.46	1.21	7.31	1.75	0.21	0.03	4.18	18.15						
	F10HY004	4.30	1.52	7.31	1.75	0.36	0.05	5.19	20.48						
	F10HY005	5.42	1.94	3.98	0.95	0.60	0.09	6.57	19.55						
	F10HY006	6.40	2.29	3.98	0.95	0.71	0.11	7.76	22.20						
	F10HY007	6.62	2.33	3.98	0.95	0.52	0.08	7.99	22.47						
	F10HY008	13.24	4.68	6.08	1.46	1.16	0.17	16.00	42.79						
G10	G10HO001	0.09	0.02	0.39	0.09	0.00	0.00	0.08	0.67	0.10	0.02	0.51	0.12	0.00	0.00
	G10HO002	0.12	0.03	0.54	0.13	0.00	0.00	0.10	0.92	0.13	0.03	0.71	0.17	0.00	0.00
	G10HO003	0.10	0.03	0.72	0.00	0.00	0.00	0.09	0.94	0.12	0.03	0.94	0.00	0.00	0.00
	G10HO004	0.23	0.06	0.85	0.21	0.00	0.00	0.20	1.55	0.26	0.06	1.12	0.27	0.00	0.00
	G10KH001	0.09	0.02	0.39	0.09	0.00	0.00	0.08	0.67	0.10	0.02	0.51	0.12	0.00	0.00
	G10KH002	0.10	0.03	0.62	0.15	0.00	0.00	0.09	0.99	0.12	0.03	0.82	0.20	0.00	0.00
	G10KH003	0.13	0.03	0.85	0.21	0.00	0.00	0.12	1.34	0.15	0.03	1.12	0.27	0.00	0.00
	G10ON001	0.30	0.07	0.39	0.09	0.00	0.00	0.26	1.11	0.34	0.08	0.51	0.12	0.00	0.00
	G10ON002	0.38	0.10	0.78	0.19	0.00	0.00	0.34	1.79	0.43	0.10	1.02	0.24	0.00	0.00
	G10ON003	0.43	0.11	0.78	0.19	0.00	0.00	0.38	1.89	0.50	0.11	1.02	0.24	0.00	0.00
	G10ON004	0.50	0.13	1.55	0.37	0.00	0.00	0.44	2.99	0.57	0.13	2.04	0.49	0.00	0.00
	G10CA001	1.67	0.51	4.89	1.17	0.00	0.00	1.73	9.97	2.09	0.52	6.38	1.53	0.00	0.00
	G10CA002	2.09	0.64	7.55	1.81	0.00	0.00	2.16	14.25	2.61	0.66	9.85	2.37	0.00	0.00
	G10CA003	2.13	0.65	8.43	2.02	0.00	0.00	2.20	15.43	2.66	0.67	11.00	2.64	0.00	0.00
	G10CA004	2.37	0.72	10.40	2.50	0.00	0.00	2.45	18.44	2.96	0.74	13.58	3.26	0.00	0.00
	G10CA005	2.56	0.78	11.53	2.77	0.00	0.00	2.64	20.28	3.20	0.80	15.05	3.61	0.00	0.00
	G10CA006	4.18	1.28	16.60	3.98	0.00	0.00	4.32	30.36	5.22	1.31	21.67	5.20	0.00	0.00
	G10CA007	4.75	1.45	19.26	4.62	0.00	0.00	4.91	34.99	5.94	1.49	25.15	6.04	0.00	0.00
	G10CA008	6.33	1.93	24.55	5.89	0.00	0.00	6.55	45.25	7.92	1.99	32.06	7.69	0.00	0.00
	G10CA009	8.38	2.56	29.19	7.01	0.00	0.00	8.66	55.80	10.47	2.63	38.11	9.15	0.00	0.00
	G10CA010	10.95	3.34	40.68	9.76	0.00	0.00	11.31	76.04	13.68	3.44	53.12	12.75	0.00	0.00
	G10CA011	16.45	5.03	56.81	13.64	0.00	0.00	17.00	108.93	20.57	5.16	74.17	17.80	0.00	0.00
	G10ON005	0.69	0.21	1.09	0.26	0.00	0.00	0.71	2.96	0.86	0.22	1.43	0.34	0.00	0.00
	G10ON006	0.73	0.22	1.17	0.28	0.00	0.00	0.76	3.16	0.92	0.23	1.53	0.37	0.00	0.00
	G10ON007	0.85	0.26	0.47	0.11	0.00	0.00	0.88	2.57	1.06	0.27	0.61	0.15	0.00	0.00
	G10ON008	0.71	0.22	0.19	0.05	0.00	0.00	0.74	1.91	0.89	0.22	0.25	0.06	0.00	0.00

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS								
		DEPR	CFC	FUEL	POG	TIRE WEAR	RPR	TIRE RPR	TOTAL RATE	DEPR	CFC	FUEL	POG	TIRE WEAR	RPR	TOTAL RATE	
G10	G10ON009	0.85	0.26	0.38	0.09	0.00	0.00	0.88	2.46	1.06	0.27	0.49	0.12	0.00	0.00	1.25	3.19
	G10ON010	1.14	0.35	0.69	0.17	0.00	0.00	1.17	3.52	1.42	0.36	0.90	0.22	0.00	0.00	1.68	4.58
	G10ON011	1.19	0.36	0.85	0.20	0.00	0.00	1.23	3.83	1.48	0.37	1.10	0.26	0.00	0.00	1.75	4.96
	G10ON012	1.29	0.39	1.03	0.25	0.00	0.00	1.33	4.29	1.61	0.40	1.35	0.32	0.00	0.00	1.90	5.58
	G10ON013	1.38	0.42	1.57	0.38	0.00	0.00	1.43	5.18	1.73	0.43	2.04	0.49	0.00	0.00	2.04	6.73
	G10ON014	1.47	0.45	2.04	0.49	0.00	0.00	1.52	5.97	1.83	0.46	2.66	0.64	0.00	0.00	2.17	7.76
	G10ON015	1.64	0.50	2.72	0.65	0.00	0.00	1.70	7.21	2.05	0.52	3.56	0.85	0.00	0.00	2.42	9.40
	G10ON016	1.71	0.52	3.70	0.89	0.00	0.00	1.77	8.59	2.14	0.54	4.83	1.16	0.00	0.00	2.53	11.20
	G10ON017	1.92	0.59	3.70	0.89	0.00	0.00	1.99	9.09	2.40	0.60	4.83	1.16	0.00	0.00	2.84	11.83
	G10ON018	2.12	0.65	4.85	1.17	0.00	0.00	2.19	10.98	2.65	0.67	6.34	1.52	0.00	0.00	3.13	14.31
	G10ON019	2.37	0.72	5.98	1.44	0.00	0.00	2.45	12.96	2.96	0.74	7.81	1.87	0.00	0.00	3.50	16.88
	G10ON020	2.66	0.81	7.11	1.71	0.00	0.00	2.74	15.03	3.32	0.83	9.28	2.23	0.00	0.00	3.92	19.58
G15	G15CA001	7.27	3.31	3.59	1.22	0.58	0.09	8.65	24.71	8.72	3.36	4.68	1.59	0.79	0.12	11.12	30.38
	G15CA002	8.32	3.76	3.88	1.32	0.53	0.08	9.89	27.78	9.98	3.82	5.05	1.72	0.71	0.11	12.70	34.09
	G15CA003	9.06	4.10	3.88	1.32	0.58	0.09	10.77	29.80	10.87	4.16	5.05	1.72	0.79	0.12	13.84	36.55
	G15CA004	9.08	4.13	4.31	1.46	0.71	0.11	10.81	30.61	10.89	4.19	5.61	1.91	0.95	0.14	13.88	37.57
	G15CA005	13.49	6.20	5.74	1.95	1.47	0.22	16.11	45.18	16.18	6.30	7.48	2.54	1.99	0.30	20.69	55.48
	G15CA006	19.54	9.01	7.90	2.68	2.29	0.34	23.35	65.11	23.45	9.15	10.29	3.50	3.09	0.46	30.00	79.94
	G15CH001	7.10	3.25	3.88	1.32	0.68	0.10	8.46	24.79	8.52	3.30	5.05	1.72	0.92	0.14	10.87	30.52
	G15CH002	7.86	3.58	4.39	1.49	0.64	0.10	9.36	27.42	9.43	3.63	5.72	1.95	0.86	0.13	12.02	33.74
	G15CH003	8.48	3.87	5.37	1.83	0.73	0.11	10.11	30.50	10.18	3.93	7.00	2.38	0.99	0.15	12.99	37.62
	G15CH004	9.19	4.18	6.03	2.05	0.73	0.11	10.94	33.23	11.03	4.25	7.86	2.67	0.99	0.15	14.05	41.00
	G15CH005	9.88	4.60	5.74	1.95	1.47	0.22	11.84	35.70	11.85	4.68	7.48	2.54	1.99	0.30	15.21	44.05
	G15CH006	11.07	5.13	5.74	1.95	1.47	0.22	13.25	38.83	13.29	5.21	7.48	2.54	1.99	0.30	17.02	47.83
	G15CH007	6.70	3.07	3.88	1.32	0.64	0.10	7.99	23.70	8.04	3.12	5.05	1.72	0.86	0.13	10.27	29.19
	G15CH008	7.20	3.28	4.39	1.49	0.64	0.10	8.58	25.68	8.64	3.34	5.72	1.95	0.86	0.13	11.02	31.66
	G15CH009	7.75	3.55	5.37	1.83	0.73	0.11	9.24	28.58	9.30	3.60	7.00	2.38	0.99	0.15	11.87	35.29
	G15CH010	8.65	3.94	6.03	2.05	0.73	0.11	10.31	31.82	10.38	4.01	7.86	2.67	0.99	0.15	13.24	39.30
	G15CH011	9.34	4.37	5.74	1.95	1.47	0.22	11.20	34.29	11.21	4.44	7.48	2.54	1.99	0.30	14.39	42.35
	G15CH012	10.54	4.90	5.74	1.95	1.47	0.22	12.62	37.44	12.64	4.97	7.48	2.54	1.99	0.30	16.21	46.13
	G15FI001	7.03	3.20	3.88	1.32	0.58	0.09	8.37	24.47	8.43	3.25	5.05	1.72	0.79	0.12	10.75	30.11
	G15FI002	7.41	3.39	4.45	1.51	0.71	0.11	8.84	26.42	8.90	3.45	5.80	1.97	0.95	0.14	11.36	32.57
	G15FI003	7.77	3.59	4.74	1.61	0.98	0.15	9.29	28.13	9.32	3.65	6.17	2.10	1.32	0.20	11.93	34.69
	G15FI004	4.30	1.99	1.95	0.66	0.58	0.09	5.14	14.71	5.16	2.03	2.54	0.86	0.79	0.12	6.61	18.11
	G15FI005	6.54	2.98	3.88	1.32	0.58	0.09	7.79	23.18	7.85	3.03	5.05	1.72	0.79	0.12	10.01	28.57
	G15FI006	6.86	3.15	4.45	1.51	0.70	0.11	8.19	24.97	8.24	3.20	5.80	1.97	0.95	0.14	10.52	30.82
	G15FI007	7.28	3.38	4.74	1.61	0.98	0.15	8.71	26.85	8.73	3.43	6.17	2.10	1.32	0.20	11.19	33.14
	G15GI001	7.66	3.48	4.13	1.41	0.58	0.09	9.12	26.47	9.20	3.54	5.39	1.83	0.79	0.12	11.72	32.59
	G15GI002	7.90	3.59	4.13	1.41	0.58	0.09	9.40	27.10	9.48	3.64	5.39	1.83	0.79	0.12	12.08	33.33
	G15GI003	7.98	3.64	4.77	1.62	0.70	0.11	9.51	28.33	9.58	3.70	6.21	2.11	0.95	0.14	12.22	34.91

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		
T10	T10KM003	0.95	0.32	0.00	0.15	0.00	0.00	1.21	2.63	1.19	0.33	0.00	0.15	0.00	0.00	1.69	3.36
	T10KM004	1.08	0.36	0.00	0.15	0.00	0.00	1.36	2.95	1.34	0.37	0.00	0.15	0.00	0.00	1.91	3.77
	T10KM005	1.31	0.44	0.00	0.18	0.00	0.00	1.66	3.59	1.64	0.46	0.00	0.18	0.00	0.00	2.33	4.61
	T10KM006	1.88	0.63	0.00	0.18	0.00	0.00	2.37	5.06	2.35	0.65	0.00	0.18	0.00	0.00	3.33	6.51
	T10KM007	2.31	0.78	0.00	0.20	0.00	0.00	2.91	6.20	2.89	0.80	0.00	0.20	0.00	0.00	4.10	7.99
	T10KM008	2.26	0.76	0.00	0.25	0.00	0.00	2.85	6.12	2.83	0.78	0.00	0.25	0.00	0.00	4.01	7.87
	T10KM009	2.70	0.91	0.00	0.35	0.00	0.00	3.41	7.37	3.38	0.94	0.00	0.35	0.00	0.00	4.80	9.47
	T10KM010	2.40	0.81	0.00	0.34	0.00	0.00	3.02	6.57	2.99	0.83	0.00	0.34	0.00	0.00	4.25	8.41
	T10KM011	3.50	1.18	0.00	0.40	0.00	0.00	4.42	9.50	4.37	1.21	0.00	0.40	0.00	0.00	6.21	12.19
	T10KM012	3.95	1.34	0.00	0.45	0.00	0.00	4.99	10.73	4.94	1.37	0.00	0.45	0.00	0.00	7.02	13.78
	T10KM013	3.57	1.21	0.00	0.40	0.00	0.00	4.50	9.68	4.46	1.24	0.00	0.40	0.00	0.00	6.33	12.43
	T10KM014	4.67	1.58	0.00	0.64	0.00	0.00	5.90	12.79	5.84	1.62	0.00	0.64	0.00	0.00	8.30	16.40
	T10KM015	3.54	1.19	0.00	0.40	0.00	0.00	4.46	9.59	4.42	1.23	0.00	0.40	0.00	0.00	6.28	12.33
	T10KM016	5.87	1.98	0.00	0.70	0.00	0.00	7.40	15.95	7.33	2.03	0.00	0.70	0.00	0.00	10.41	20.47
T15	T15CA001	3.32	1.24	2.21	0.79	0.00	0.00	6.73	14.29	4.15	1.27	2.88	1.04	0.00	0.00	9.12	18.46
	T15CA002	3.78	1.42	2.21	0.79	0.00	0.00	7.68	15.88	4.73	1.45	2.88	1.04	0.00	0.00	10.40	20.50
	T15CA003	3.58	1.34	2.27	0.82	0.00	0.00	7.26	15.27	4.47	1.37	2.97	1.07	0.00	0.00	9.83	19.71
	T15CA004	4.69	1.76	3.22	1.16	0.00	0.00	9.53	20.36	5.87	1.79	4.22	1.52	0.00	0.00	12.90	26.30
	T15CA005	5.28	1.98	3.22	1.16	0.00	0.00	10.72	22.36	6.60	2.02	4.22	1.52	0.00	0.00	14.52	28.88
	T15CA006	7.73	2.89	4.07	1.47	0.00	0.00	15.68	31.84	9.66	2.95	5.32	1.92	0.00	0.00	21.24	41.09
	T15CA007	8.76	3.28	4.07	1.47	0.00	0.00	17.79	35.37	10.95	3.35	5.32	1.92	0.00	0.00	24.09	45.63
	T15CA008	8.74	3.27	4.75	1.71	0.00	0.00	17.75	36.22	10.93	3.34	6.21	2.24	0.00	0.00	24.04	46.76
	T15CA009	10.21	3.82	5.60	2.02	0.00	0.00	20.72	42.37	12.76	3.90	7.32	2.64	0.00	0.00	28.06	54.68
	T15CA010	10.54	3.94	5.60	2.02	0.00	0.00	21.39	43.49	13.17	4.03	7.32	2.64	0.00	0.00	28.97	56.13
	T15CA011	12.20	4.56	5.60	2.02	0.00	0.00	24.76	49.14	15.25	4.66	7.32	2.64	0.00	0.00	33.53	63.40
	T15CA012	13.68	5.12	6.79	2.44	0.00	0.00	27.77	55.80	17.10	5.23	8.87	3.19	0.00	0.00	37.61	72.00
	T15CA013	15.56	5.82	7.29	2.63	0.00	0.00	31.58	62.88	19.45	5.95	9.54	3.43	0.00	0.00	42.76	81.13
	T15CA014	17.88	6.69	7.29	2.63	0.00	0.00	36.29	70.78	22.35	6.83	9.54	3.43	0.00	0.00	49.15	91.30
	T15CS001	3.70	1.39	2.14	0.77	0.00	0.00	7.51	15.51	4.63	1.42	2.80	1.01	0.00	0.00	10.18	20.04
	T15CS002	5.43	2.03	2.78	1.00	0.00	0.00	11.01	22.25	6.78	2.07	3.64	1.31	0.00	0.00	14.91	28.71
	T15CS003	5.77	2.16	2.78	1.00	0.00	0.00	11.72	23.43	7.22	2.21	3.64	1.31	0.00	0.00	15.87	30.25
	T15CS004	7.62	2.85	3.83	1.38	0.00	0.00	15.47	31.15	9.53	2.91	5.01	1.80	0.00	0.00	20.96	40.21
	T15CS005	8.44	3.16	3.83	1.38	0.00	0.00	17.13	33.94	10.55	3.23	5.01	1.80	0.00	0.00	23.19	43.78
	T15CS006	10.50	3.93	4.75	1.71	0.00	0.00	21.31	42.20	13.12	4.01	6.21	2.24	0.00	0.00	28.85	54.43
	T15FI001	4.30	1.61	2.38	0.86	0.00	0.00	8.72	17.87	5.37	1.64	3.11	1.12	0.00	0.00	11.81	23.05
	T15FI002	5.04	1.89	2.85	1.03	0.00	0.00	10.24	21.05	6.30	1.93	3.73	1.34	0.00	0.00	13.86	27.16
	T15FI003	7.57	2.83	3.63	1.31	0.00	0.00	15.36	30.70	9.46	2.89	4.75	1.71	0.00	0.00	20.80	39.61
	T15FI004	8.67	3.24	4.14	1.49	0.00	0.00	17.59	35.13	10.83	3.31	5.41	1.95	0.00	0.00	23.82	45.32
	T15FI005	9.60	3.59	4.14	1.49	0.00	0.00	19.48	38.30	12.00	3.67	5.41	1.95	0.00	0.00	26.38	49.41
	T15FI006	11.37	4.26	5.09	1.83	0.00	0.00	23.09	45.64	14.22	4.35	6.66	2.40	0.00	0.00	31.27	58.90

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS								
		DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE		
T15	T15FI007	13.15	4.92	5.09	1.83	0.00	0.00	26.69	51.68	16.44	5.03	6.66	2.40	0.00	0.00	36.15	66.68
	T15FI008	16.78	6.28	7.57	2.72	0.00	0.00	34.06	67.41	20.97	6.41	9.89	3.56	0.00	0.00	46.12	86.95
	T15ID001	4.47	1.67	2.38	0.86	0.00	0.00	9.07	18.45	5.59	1.71	3.11	1.12	0.00	0.00	12.29	23.82
	T15ID002	5.77	2.16	2.71	0.98	0.00	0.00	11.72	23.34	7.22	2.21	3.55	1.28	0.00	0.00	15.87	30.13
	T15ID003	8.71	3.26	3.73	1.34	0.00	0.00	17.68	34.72	10.89	3.33	4.88	1.76	0.00	0.00	23.95	44.81
	T15ID004	9.65	3.61	4.75	1.71	0.00	0.00	19.58	39.30	12.06	3.69	6.21	2.24	0.00	0.00	26.52	50.72
	T15ID005	15.46	5.79	7.63	2.75	0.00	0.00	31.39	63.02	19.33	5.91	9.98	3.59	0.00	0.00	42.50	81.31
	T15JD001	3.33	1.24	2.04	0.73	0.00	0.00	6.75	14.09	4.16	1.27	2.66	0.96	0.00	0.00	9.14	18.19
	T15JD002	3.86	1.45	2.38	0.86	0.00	0.00	7.84	16.39	4.83	1.48	3.11	1.12	0.00	0.00	10.62	21.16
	T15JD003	4.27	1.60	2.71	0.98	0.00	0.00	8.68	18.24	5.34	1.63	3.55	1.28	0.00	0.00	11.75	23.55
	T15JD004	4.79	1.79	3.05	1.10	0.00	0.00	9.73	20.46	5.99	1.83	3.99	1.44	0.00	0.00	13.18	26.43
	T15JD005	7.24	2.71	4.07	1.47	0.00	0.00	14.69	30.18	9.05	2.77	5.32	1.92	0.00	0.00	19.89	38.95
	T15JD006	7.55	2.82	4.07	1.47	0.00	0.00	15.32	31.23	9.43	2.88	5.32	1.92	0.00	0.00	20.74	40.29
	T15JD007	9.49	3.55	5.60	2.02	0.00	0.00	19.27	39.93	11.86	3.63	7.32	2.64	0.00	0.00	26.09	51.54
	T15JD008	10.61	3.97	5.60	2.02	0.00	0.00	21.54	43.74	13.26	4.06	7.32	2.64	0.00	0.00	29.17	56.45
	T15KM001	4.33	1.62	2.38	0.86	0.00	0.00	8.78	17.97	5.41	1.65	3.11	1.12	0.00	0.00	11.89	23.18
	T15KM002	4.82	1.81	2.54	0.92	0.00	0.00	9.79	19.88	6.03	1.84	3.33	1.20	0.00	0.00	13.26	25.66
	T15KM003	9.80	3.67	4.41	1.59	0.00	0.00	19.89	39.36	12.25	3.75	5.77	2.08	0.00	0.00	26.94	50.79
	T15KM004	11.21	4.19	4.75	1.71	0.00	0.00	22.75	44.61	14.01	4.28	6.21	2.24	0.00	0.00	30.81	57.55
	T15KM005	14.59	5.46	6.11	2.20	0.00	0.00	29.61	57.97	18.23	5.58	7.99	2.88	0.00	0.00	40.10	74.78
	T15KM006	16.89	6.32	6.96	2.50	0.00	0.00	34.29	66.96	21.12	6.46	9.10	3.27	0.00	0.00	46.44	86.39
	T15KM007	18.18	6.80	7.63	2.75	0.00	0.00	36.90	72.26	22.72	6.95	9.98	3.59	0.00	0.00	49.97	93.21
	T15CA015	22.88	7.73	11.37	3.18	0.00	0.00	36.10	81.26	28.61	7.93	14.86	4.16	0.00	0.00	49.64	105.20
	T15CA016	21.10	7.13	9.67	2.71	0.00	0.00	33.29	73.90	26.38	7.31	12.65	3.54	0.00	0.00	45.78	95.66
	T15CA017	27.30	9.23	12.55	3.52	0.00	0.00	43.08	95.68	34.13	9.46	16.42	4.60	0.00	0.00	59.23	123.84
	T15FI009	23.49	7.94	10.18	2.85	0.00	0.00	37.06	81.52	29.36	8.14	13.31	3.73	0.00	0.00	50.96	105.50
	T15FI010	24.39	8.24	11.54	3.23	0.00	0.00	38.48	85.88	30.49	8.45	15.09	4.22	0.00	0.00	52.91	111.16
	T15ID006	22.59	7.64	10.86	3.04	0.00	0.00	35.64	79.77	28.24	7.83	14.20	3.98	0.00	0.00	49.01	103.26
	T15KM008	24.90	8.42	10.86	3.04	0.00	0.00	39.29	86.51	31.13	8.63	14.20	3.98	0.00	0.00	54.02	111.96
	T15KM009	36.13	12.21	13.71	3.84	0.00	0.00	57.01	122.90	45.17	12.52	17.93	5.02	0.00	0.00	78.38	159.02
	T15CA018	31.83	11.45	17.64	4.23	0.00	0.00	51.68	116.83	38.19	11.67	23.07	5.54	0.00	0.00	67.65	146.12
	T15CA019	55.01	19.79	26.13	6.27	0.00	0.00	89.32	196.52	66.01	20.16	34.16	8.20	0.00	0.00	116.93	245.46
	T15FI011	33.99	12.23	15.44	3.71	0.00	0.00	55.20	120.57	40.79	12.46	20.19	4.85	0.00	0.00	72.26	150.55
	T15FI012	35.60	12.81	16.12	3.87	0.00	0.00	57.82	126.22	42.73	13.05	21.08	5.06	0.00	0.00	75.69	157.61
	T15FI013	42.32	15.23	17.81	4.28	0.00	0.00	68.72	148.36	50.78	15.51	23.29	5.59	0.00	0.00	89.96	185.13
	T15ID007	27.63	9.94	15.61	3.75	0.00	0.00	44.87	101.80	33.16	10.13	20.41	4.90	0.00	0.00	58.74	127.34
	T15KM010	37.97	13.66	17.24	4.14	0.00	0.00	61.66	134.67	45.57	13.92	22.54	5.41	0.00	0.00	80.72	168.16
	T15KM011	71.03	25.55	25.11	6.03	0.00	0.00	115.34	243.06	85.24	26.03	32.83	7.88	0.00	0.00	150.99	302.97
T20	T20CA001	16.23	5.17	6.58	1.84	2.85	0.43	14.23	47.33	20.28	5.30	8.59	2.40	5.97	0.90	19.26	62.70
	T20CA002	22.37	7.37	9.71	2.72	7.08	1.06	19.72	70.03	27.96	7.56	12.68	3.55	14.83	2.22	26.70	95.50

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	
G15	G15GI004	8.46	3.85	4.77	1.62	0.70	0.11	10.08	29.59	10.15	3.91	6.21	2.11	0.95	0.14	12.94	36.41
	G15GI005	8.99	4.09	4.77	1.62	0.70	0.11	10.70	30.98	10.78	4.15	6.21	2.11	0.95	0.14	13.74	38.08
	G15GI006	9.19	4.18	5.86	1.99	0.70	0.11	10.94	32.97	11.03	4.24	7.63	2.59	0.95	0.14	14.05	40.63
	G15GI007	9.66	4.38	5.08	1.73	0.70	0.11	11.49	33.15	11.59	4.45	6.62	2.25	0.95	0.14	14.76	40.76
	G15GI008	9.50	4.32	5.86	1.99	0.73	0.11	11.31	33.82	11.40	4.39	7.63	2.59	0.99	0.15	14.53	41.68
	G15GI009	10.63	4.82	5.86	1.99	0.73	0.11	12.65	36.79	12.76	4.90	7.63	2.59	0.99	0.15	16.25	45.27
	G15ID001	7.28	3.31	4.13	1.41	0.58	0.09	8.67	25.47	8.74	3.36	5.39	1.83	0.79	0.12	11.13	31.36
	G15ID002	7.87	3.59	4.13	1.41	0.70	0.11	9.38	27.19	9.45	3.65	5.39	1.83	0.95	0.14	12.05	33.46
	G15ID003	8.47	3.86	4.77	1.62	0.70	0.11	10.09	29.62	10.17	3.92	6.21	2.11	0.95	0.14	12.96	36.46
	G15ID004	9.20	4.18	5.86	1.99	0.70	0.11	10.95	32.99	11.04	4.25	7.63	2.59	0.95	0.14	14.07	40.67
	G15JD001	5.43	2.49	2.58	0.88	0.53	0.08	6.48	18.47	6.52	2.53	3.37	1.14	0.71	0.11	8.32	22.70
	G15JD002	6.88	3.13	3.88	1.32	0.53	0.08	8.19	24.01	8.26	3.18	5.05	1.72	0.71	0.11	10.53	29.56
	G15JD003	8.22	3.72	3.88	1.32	0.53	0.08	9.77	27.52	9.86	3.78	5.05	1.72	0.71	0.11	12.55	33.78
	G15JD004	7.83	3.56	4.45	1.51	0.64	0.10	9.33	27.42	9.40	3.62	5.80	1.97	0.86	0.13	11.98	33.76
	G15JD005	9.04	4.10	4.45	1.51	0.64	0.10	10.76	30.60	10.85	4.17	5.80	1.97	0.86	0.13	13.82	37.60
	G15KM001	8.81	3.98	3.59	1.22	0.53	0.08	10.47	28.68	10.57	4.04	4.68	1.59	0.71	0.11	13.45	35.15
	G15KM002	9.74	4.42	4.02	1.37	0.73	0.11	11.59	31.98	11.68	4.49	5.24	1.78	0.99	0.15	14.88	39.21
	G15KM003	10.52	4.77	4.45	1.51	0.73	0.11	12.51	34.60	12.62	4.85	5.80	1.97	0.99	0.15	16.08	42.46
	G15KM004	13.97	6.42	5.74	1.95	1.47	0.22	16.68	46.45	16.77	6.52	7.48	2.54	1.99	0.30	21.43	57.03
	G15KM005	19.47	8.98	8.04	2.73	2.29	0.34	23.27	65.12	23.37	9.12	10.47	3.56	3.09	0.46	29.89	79.96
	G15MI001	5.51	2.50	2.18	0.74	0.37	0.06	6.55	17.91	6.61	2.54	2.84	0.97	0.49	0.07	8.42	21.94
	G15MI002	5.99	2.71	2.61	0.89	0.37	0.06	7.12	19.75	7.19	2.75	3.40	1.16	0.49	0.07	9.14	24.20
	G15MI003	8.10	3.65	4.31	1.46	0.41	0.06	9.62	27.61	9.72	3.71	5.61	1.91	0.55	0.08	12.35	33.93
	G15MI004	8.91	4.02	5.00	1.70	0.47	0.07	10.59	30.76	10.70	4.0P	6.51	2.21	0.63	0.09	13.60	37.82
H20	H20BE001	1.05	0.32	0.00	0.10	0.00	0.00	1.34	2.81								
	H20BE002	1.39	0.43	0.00	0.20	0.00	0.00	1.77	3.79								
	H20BE003	1.77	0.55	0.00	0.30	0.00	0.00	2.26	4.88								
	H20BE004	3.16	0.98	0.00	0.40	0.00	0.00	4.04	8.58								
	H20SK001	7.77	2.40	3.13	0.75	0.00	0.00	9.92	23.97								
H25	H20SK002	10.50	3.24	3.13	0.75	0.00	0.00	13.41	31.03								
	H20SK003	16.20	5.00	4.07	0.98	0.00	0.00	20.68	46.93								
	H20SK004	18.02	5.56	4.70	1.13	0.00	0.00	23.01	52.42								
	H25AK001	11.25	3.44	1.92	0.73	0.00	0.00	13.29	30.63	13.84	3.53	2.51	0.95	0.00	0.00	18.69	39.52
H25	H25AK002	15.94	4.87	4.16	1.58	0.00	0.00	18.83	45.38	19.61	5.00	5.42	2.06	0.00	0.00	26.49	58.58
	H25BA001	13.30	4.07	2.44	0.93	0.00	0.00	15.71	36.45	16.37	4.17	3.18	1.21	0.00	0.00	22.10	47.03
	H25BA002	21.18	6.48	4.59	1.75	0.00	0.00	25.03	59.03	26.07	6.64	5.99	2.27	0.00	0.00	35.21	76.18
	H25CA001	8.57	2.62	2.04	0.77	0.00	0.00	10.12	24.12	10.55	2.69	2.66	1.01	0.00	0.00	14.24	31.15
	H25CA002	11.05	3.38	2.70	1.03	0.00	0.00	13.06	31.22	13.60	3.47	3.52	1.34	0.00	0.00	18.37	40.30
	H25CA003	12.94	3.96	3.16	1.20	0.00	0.00	15.29	36.55	15.93	4.06	4.12	1.56	0.00	0.00	21.51	47.18

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
H25	H25CA004	14.01	4.28	3.30	1.25	0.00	0.00	16.55	39.39	17.24	4.39	4.30	1.63	0.00	0.00	23.28	50.84
	H25CS001	8.65	2.65	3.27	1.24	0.00	0.00	10.22	26.03	10.65	2.71	4.26	1.62	0.00	0.00	14.38	33.62
	H25CS002	9.60	2.94	3.67	1.40	0.00	0.00	11.34	28.95	11.81	3.01	4.79	1.82	0.00	0.00	15.95	37.38
	H25CS003	10.80	3.30	4.39	1.67	0.00	0.00	12.76	32.92	13.29	3.39	5.72	2.18	0.00	0.00	17.95	42.53
	H25FI001	14.57	4.46	3.01	1.15	0.00	0.00	17.22	40.41	17.94	4.57	3.93	1.49	0.00	0.00	24.23	52.16
	H25GA001	17.03	5.21	4.65	1.77	0.00	0.00	20.12	48.78	20.96	5.34	6.06	2.30	0.00	0.00	28.31	62.97
	H25GA002	20.75	6.34	4.16	1.58	0.00	0.00	24.51	57.34	25.53	6.51	5.42	2.06	0.00	0.00	34.49	74.01
	H25HI001	9.44	2.89	2.07	0.79	0.00	0.00	11.16	26.35	11.62	2.96	2.69	1.02	0.00	0.00	15.70	33.99
	H25HI002	13.04	3.99	3.10	1.18	0.00	0.00	15.41	36.72	16.05	4.09	4.04	1.54	0.00	0.00	21.68	47.40
	H25HI003	11.40	3.49	2.61	0.99	0.00	0.00	13.46	31.95	14.03	3.57	3.40	1.29	0.00	0.00	18.94	41.23
	H25HI004	14.22	4.35	3.42	1.30	0.00	0.00	16.80	40.09	17.50	4.46	4.45	1.69	0.00	0.00	23.63	51.73
	H25HI005	15.45	4.73	3.42	1.30	0.00	0.00	18.25	43.15	19.02	4.85	4.45	1.69	0.00	0.00	25.68	55.69
	H25IS001	11.25	3.44	3.88	1.47	0.00	0.00	13.30	33.34	13.85	3.53	5.05	1.92	0.00	0.00	18.71	43.06
	H25IS002	13.59	4.16	4.59	1.75	0.00	0.00	16.06	40.15	16.73	4.26	5.99	2.27	0.00	0.00	22.59	51.84
	H25JD001	2.13	0.65	0.43	0.16	0.00	0.00	2.51	5.88	2.62	0.67	0.56	0.21	0.00	0.00	3.53	7.59
	H25JD002	3.12	0.95	0.66	0.25	0.00	0.00	3.69	8.67	3.84	0.98	0.86	0.33	0.00	0.00	5.19	11.20
	H25JD003	4.50	1.37	1.12	0.43	0.00	0.00	5.31	12.73	5.53	1.41	1.46	0.55	0.00	0.00	7.47	16.42
	H25JD004	5.81	1.78	1.58	0.60	0.00	0.00	6.87	16.64	7.15	1.82	2.06	0.78	0.00	0.00	9.66	21.47
	H25JD005	8.58	2.62	2.15	0.82	0.00	0.00	10.13	24.30	10.56	2.69	2.81	1.07	0.00	0.00	14.26	31.39
	H25JD006	10.66	3.26	2.73	1.04	0.00	0.00	12.60	30.29	13.13	3.34	3.55	1.35	0.00	0.00	17.73	39.10
	H25JD007	11.35	3.47	3.59	1.36	0.00	0.00	13.41	33.18	13.97	3.56	4.68	1.78	0.00	0.00	18.87	42.86
	H25JD008	15.01	4.59	4.45	1.69	0.00	0.00	17.74	43.48	18.48	4.71	5.80	2.20	0.00	0.00	24.96	56.15
	H25KM001	10.24	3.13	2.35	0.89	0.00	0.00	12.10	28.71	12.60	3.21	3.07	1.17	0.00	0.00	17.02	37.07
	H25KM002	11.15	3.41	2.84	1.08	0.00	0.00	13.18	31.66	13.73	3.50	3.70	1.41	0.00	0.00	18.54	40.88
	H25KO001	6.73	2.06	1.46	0.56	0.00	0.00	7.96	18.77	8.29	2.11	1.91	0.73	0.00	0.00	11.20	24.24
	H25KO002	8.62	2.64	2.50	0.95	0.00	0.00	10.19	24.90	10.62	2.70	3.25	1.24	0.00	0.00	14.34	32.15
	H25MD001	9.81	3.00	2.41	0.92	0.00	0.00	11.59	27.73	12.08	3.08	3.14	1.19	0.00	0.00	16.31	35.80
	H25MD002	14.89	4.55	3.53	1.34	0.00	0.00	17.59	41.90	18.32	4.67	4.60	1.75	0.00	0.00	24.75	54.09
	H25AK003	15.21	5.13	4.77	1.81	0.00	0.00	19.14	46.06	19.02	5.26	6.21	2.36	0.00	0.00	26.92	59.77
	H25AK004	17.37	5.86	6.00	2.28	0.00	0.00	21.86	53.37	21.72	6.00	7.82	2.97	0.00	0.00	30.74	69.25
	H25AK005	28.53	9.61	7.52	2.86	0.00	0.00	35.89	84.41	35.66	9.86	9.80	3.72	0.00	0.00	50.48	109.52
	H25BA003	21.30	7.18	6.75	2.56	0.00	0.00	26.79	64.58	26.62	7.36	8.79	3.34	0.00	0.00	37.68	83.79
	H25BA004	25.60	8.63	8.84	3.36	0.00	0.00	32.21	78.64	32.00	8.85	11.52	4.38	0.00	0.00	45.30	102.05
	H25CA005	13.64	4.60	3.73	1.42	0.00	0.00	17.16	40.55	17.05	4.71	4.86	1.85	0.00	0.00	24.14	52.61
	H25CA006	15.75	5.31	4.16	1.58	0.00	0.00	19.82	46.62	19.69	5.44	5.42	2.06	0.00	0.00	27.88	60.49
	H25CA007	29.49	9.94	7.18	2.73	0.00	0.00	37.10	86.44	36.86	10.19	9.35	3.55	0.00	0.00	52.18	112.13
	H25FI002	16.71	5.63	4.36	1.66	0.00	0.00	21.02	49.38	20.89	5.77	5.69	2.16	0.00	0.00	29.56	64.07
	H25FI003	26.43	8.91	6.98	2.65	0.00	0.00	33.25	78.22	33.04	9.13	9.09	3.45	0.00	0.00	46.76	101.47
	H25HI006	10.79	3.64	3.30	1.25	0.00	0.00	13.57	32.55	13.48	3.73	4.30	1.63	0.00	0.00	19.09	42.23
	H25HI007	16.14	5.44	4.51	1.71	0.00	0.00	20.31	48.11	20.18	5.58	5.87	2.23	0.00	0.00	28.56	62.42
	H25HI008	25.30	8.53	7.72	2.93	0.00	0.00	31.82	76.30	31.62	8.74	10.06	3.82	0.00	0.00	44.76	99.00

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR		
H25	H25HI009	18.29	6.16	4.62	1.76	0.00	0.00	23.01	53.84	22.86	6.32	6.02	2.29	0.00	0.00	32.36	69.85
	H25HI010	18.85	6.35	4.62	1.76	0.00	0.00	23.71	55.29	23.57	6.51	6.02	2.29	0.00	0.00	33.36	71.75
	H25HI011	27.86	9.39	7.90	3.00	0.00	0.00	35.05	83.20	34.82	9.63	10.29	3.91	0.00	0.00	49.29	107.94
	H25HI012	27.64	9.31	7.90	3.00	0.00	0.00	34.77	82.62	34.55	9.55	10.29	3.91	0.00	0.00	48.90	107.20
	H25IS003	13.72	4.62	5.02	1.91	0.00	0.00	17.25	42.52	17.14	4.74	6.55	2.49	0.00	0.00	24.27	55.19
	H25IS004	21.21	7.15	7.32	2.78	0.00	0.00	26.68	65.14	26.51	7.33	9.54	3.63	0.00	0.00	37.52	84.53
	H25IS005	25.48	8.59	8.61	3.27	0.00	0.00	32.05	78.00	31.85	8.80	11.22	4.26	0.00	0.00	45.08	101.21
	H25JD009	14.63	4.93	5.17	1.96	0.00	0.00	18.40	45.09	18.28	5.05	6.73	2.56	0.00	0.00	25.88	58.50
	H25JD010	15.70	5.29	5.60	2.13	0.00	0.00	19.75	48.47	19.62	5.42	7.29	2.77	0.00	0.00	27.78	62.88
	H25JD011	22.21	7.49	7.46	2.84	0.00	0.00	27.94	67.94	27.76	7.67	9.73	3.70	0.00	0.00	39.30	88.16
	H25KM003	12.15	4.09	3.39	1.29	0.00	0.00	15.28	36.20	15.19	4.20	4.41	1.68	0.00	0.00	21.50	46.98
	H25KM004	14.24	4.80	4.25	1.61	0.00	0.00	17.91	42.81	17.79	4.92	5.54	2.10	0.00	0.00	25.19	55.54
	H25KM005	19.39	6.54	5.66	2.15	0.00	0.00	24.40	58.14	24.24	6.70	7.37	2.80	0.00	0.00	34.32	75.43
	H25KO003	11.74	3.96	3.62	1.37	0.00	0.00	14.76	35.45	14.67	4.06	4.71	1.79	0.00	0.00	20.77	46.00
	H25KO004	14.47	4.88	4.59	1.75	0.00	0.00	18.20	43.89	18.08	5.00	5.99	2.27	0.00	0.00	25.60	56.94
	H25KO005	17.27	5.82	6.09	2.31	0.00	0.00	21.73	53.22	21.59	5.97	7.93	3.01	0.00	0.00	30.56	69.06
	H25KO006	27.25	9.18	7.26	2.76	0.00	0.00	34.28	80.73	34.06	9.41	9.46	3.60	0.00	0.00	48.21	104.74
	H25MD003	15.65	5.27	4.39	1.67	0.00	0.00	19.68	46.66	19.56	5.41	5.72	2.18	0.00	0.00	27.68	60.55
	H25MD004	18.75	6.32	5.28	2.01	0.00	0.00	23.58	55.94	23.43	6.48	6.88	2.62	0.00	0.00	33.17	72.58
	H25MD005	19.31	6.51	6.52	2.48	0.00	0.00	24.29	59.11	24.13	6.67	8.49	3.23	0.00	0.00	34.16	76.68
	H25MD006	27.13	9.14	7.09	2.69	0.00	0.00	34.12	80.17	33.91	9.37	9.24	3.51	0.00	0.00	48.00	104.03
	H25MD007	27.64	9.32	8.21	3.12	0.00	0.00	34.77	83.06	34.55	9.55	10.70	4.07	0.00	0.00	48.91	107.78
	H25AK006	37.14	13.36	11.08	2.44	0.00	0.00	60.17	124.19	44.57	13.61	14.44	3.18	0.00	0.00	78.79	154.59
	H25BA005	47.59	17.12	17.69	3.89	0.00	0.00	77.10	163.39	57.10	17.44	23.04	5.07	0.00	0.00	100.95	203.60
	H25CA008	39.37	14.16	10.34	2.27	0.00	0.00	63.78	129.92	47.24	14.43	13.47	2.96	0.00	0.00	83.51	161.61
	H25HI013	38.78	13.95	13.67	3.01	0.00	0.00	62.84	132.25	46.54	14.21	17.81	3.92	0.00	0.00	82.27	164.75
	H25IS006	31.72	11.41	11.48	2.53	0.00	0.00	51.40	108.54	38.07	11.63	14.96	3.29	0.00	0.00	67.30	135.25
	H25KM006	44.86	16.14	11.60	2.55	0.00	0.00	72.69	147.84	53.84	16.44	15.11	3.33	0.00	0.00	95.18	183.90
	H25KO007	43.31	15.58	12.06	2.65	0.00	0.00	70.17	143.77	51.97	15.87	15.71	3.46	0.00	0.00	91.88	178.89
	H25HI014	40.20	16.66	15.45	3.71	0.00	0.00	71.07	147.09	46.90	16.87	20.13	4.83	0.00	0.00	89.84	178.57
	H25HI015	44.23	18.33	14.70	3.53	0.00	0.00	78.19	158.98	51.60	18.56	19.15	4.60	0.00	0.00	98.84	192.75
H30	H30AK001	17.71	4.94	4.54	1.63	0.28	0.04	13.95	43.09	21.80	5.07	5.93	2.13	0.36	0.05	18.90	54.24
	H30BA001	14.66	4.22	4.25	1.53	0.98	0.15	11.63	37.42	18.04	4.33	5.32	1.92	1.21	0.18	15.75	46.75
	H30BA002	24.84	6.95	6.83	2.46	0.52	0.08	19.59	61.27	30.57	7.14	8.67	3.12	0.64	0.10	26.52	76.76
	H30CA001	10.26	2.92	2.22	0.80	0.48	0.07	8.12	24.87	12.63	3.00	2.90	1.05	0.58	0.09	11.00	31.25
	H30CA002	12.54	3.57	2.94	1.06	0.62	0.09	9.93	30.75	15.44	3.67	3.84	1.38	0.75	0.11	13.45	38.64
	H30CA003	13.92	3.96	3.19	1.15	0.62	0.09	11.02	33.95	17.14	4.07	4.17	1.50	0.75	0.11	14.92	42.66
	H30GA001	14.69	4.17	5.54	1.99	0.65	0.10	11.62	38.76	18.08	4.28	7.01	2.52	0.81	0.12	15.73	48.55
	H30GA002	19.77	5.57	7.21	2.59	0.68	0.10	15.62	51.54	24.33	5.73	9.18	3.30	0.85	0.13	21.14	64.66
	H30GA003	11.95	3.38	4.48	1.61	0.42	0.06	9.45	31.35	14.71	3.47	5.85	2.11	0.52	0.08	12.79	39.53

EPA 101-01-01
JULY 1989

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS								
		DEPR	CFC	FUEL	FOG	WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	WEAR	TIRE RPR	RPR	TOTAL RATE
H30	H30GA004	13.23	3.74	4.48	1.61	0.49	0.07	10.46	34.08	16.29	3.84	5.85	2.11	0.60	0.09	14.16	42.94
	H30AK002	16.46	5.07	5.20	1.87	0.35	0.05	14.58	43.58	20.57	5.21	6.79	2.44	0.44	0.07	19.74	55.26
	H30CA004	15.16	4.73	3.88	1.40	0.62	0.09	13.45	39.33	18.95	4.86	5.07	1.83	0.75	0.11	18.22	49.79
H35	H35HI001	40.24	18.88	14.70	3.53	0.00	0.00	71.14	148.49	45.99	19.06	19.15	4.60	0.00	0.00	88.09	176.89
	H35HI002	65.13	30.56	26.41	6.34	0.00	0.00	115.14	243.58	74.43	30.85	34.42	8.26	0.00	0.00	142.57	290.53
	H35HI003	151.10	70.89	47.66	11.44	0.00	0.00	267.13	548.22	172.69	71.58	62.10	14.90	0.00	0.00	330.78	652.05
L10	L10BS001	2.09	0.58	0.00	0.40	0.00	0.00	2.96	6.03	2.57	0.59	0.00	0.40	0.00	0.00	4.05	7.61
	L10BS002	1.90	0.53	0.00	0.30	0.00	0.00	2.69	5.42	2.33	0.54	0.00	0.30	0.00	0.00	3.68	6.85
	L10BS003	2.55	0.71	0.00	0.30	0.00	0.00	3.62	7.18	3.14	0.73	0.00	0.30	0.00	0.00	4.95	9.12
	L10BS004	0.84	0.23	0.00	0.25	0.00	0.00	1.19	2.51	1.03	0.24	0.00	0.25	0.00	0.00	1.63	3.15
	L10BS005	1.88	0.52	0.00	0.30	0.00	0.00	2.67	5.37	2.32	0.54	0.00	0.30	0.00	0.00	3.66	6.82
	L10BS006	2.87	0.79	0.00	0.40	0.00	0.00	4.07	8.13	3.53	0.82	0.00	0.40	0.00	0.00	5.57	10.32
	L10BS007	3.48	0.96	0.00	0.50	0.00	0.00	4.94	9.88	4.28	0.99	0.00	0.50	0.00	0.00	6.75	12.52
	L10BU001	0.42	0.12	0.00	0.80	0.00	0.00	0.60	1.94	0.52	0.12	0.00	0.80	0.00	0.00	0.82	2.26
	L10BU002	0.82	0.23	0.00	1.50	0.00	0.00	1.16	3.71	1.01	0.23	0.00	1.50	0.00	0.00	1.59	4.33
	L10BU003	1.11	0.31	0.00	2.00	0.00	0.00	1.58	5.00	1.37	0.32	0.00	2.00	0.00	0.00	2.16	5.85
	L10BU004	1.39	0.38	0.00	2.50	0.00	0.00	1.97	6.24	1.70	0.39	0.00	2.50	0.00	0.00	2.69	7.28
	L10BU005	0.58	0.16	0.00	1.10	0.00	0.00	0.82	2.66	0.71	0.16	0.00	1.10	0.00	0.00	1.12	3.09
	L10BU006	0.19	0.05	0.00	0.70	0.00	0.00	0.28	1.22	0.24	0.06	0.00	0.70	0.00	0.00	0.38	1.38
	L10BU007	0.21	0.06	0.00	0.80	0.00	0.00	0.29	1.36	0.25	0.06	0.00	0.80	0.00	0.00	0.40	1.51
	L10BU008	0.22	0.06	0.00	0.80	0.00	0.00	0.32	1.40	0.27	0.06	0.00	0.80	0.00	0.00	0.43	1.56
	L10BU009	0.23	0.06	0.00	0.90	0.00	0.00	0.33	1.52	0.29	0.07	0.00	0.90	0.00	0.00	0.46	1.72
	L10CI001	0.49	0.13	1.29	0.39	0.00	0.00	0.69	2.99	0.60	0.14	1.69	0.51	0.00	0.00	0.94	3.88
	L10VE001	0.60	0.17	1.37	0.41	0.02	0.00	0.86	3.43	0.74	0.18	1.79	0.54	0.03	0.00	1.18	4.46
	L10VE002	0.65	0.18	2.45	0.73	0.02	0.00	0.93	4.96	0.80	0.19	3.19	0.96	0.02	0.00	1.27	6.43
	L10VE003	1.77	0.50	4.46	1.34	0.03	0.00	2.52	10.62	2.18	0.51	5.83	1.75	0.03	0.00	3.44	13.74
	L10VE004	2.80	0.78	4.46	1.34	0.03	0.00	3.98	13.39	3.45	0.80	5.83	1.75	0.03	0.00	5.45	17.31
	L10VE005	1.25	0.35	0.93	0.28	0.03	0.00	1.79	4.63	1.54	0.36	1.22	0.37	0.03	0.00	2.44	5.96
	L10VE006	1.67	0.47	0.93	0.28	0.03	0.00	2.38	5.76	2.06	0.48	1.22	0.37	0.03	0.00	3.25	7.41
	L10VE007	1.68	0.47	0.00	1.50	0.00	0.00	2.38	6.03	2.07	0.48	0.00	1.50	0.00	0.00	3.26	7.31
	L10VE008	5.67	1.57	0.00	3.00	0.00	0.00	8.05	18.29	6.98	1.62	0.00	3.00	0.00	0.00	11.01	22.61
L15	L15EX001	2.56	0.37	2.21	0.53	0.05	0.01	2.68	8.41								
	L15EX002	2.87	0.42	0.86	0.21	0.05	0.01	3.01	7.43								
	L15EX003	3.39	0.49	0.90	0.22	0.05	0.01	3.56	8.62								
	L15EX004	3.20	0.46	1.10	0.26	0.05	0.01	3.35	8.43								
	L15EX005	2.95	0.43	3.27	0.79	0.05	0.01	3.09	10.59								
	L15EX006	3.11	0.45	4.14	0.99	0.05	0.01	3.26	12.01								
	L15EX007	3.66	0.53	4.14	0.99	0.05	0.01	3.84	13.22								

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS								
		DEPR	CFC	FUEL	FOG	TIRE	TIRE	TOTAL	DEPR	CFC	FUEL	FOG	TIRE	TIRE	TOTAL		
						WEAR	RPR						WEAR	RPR			
L15	L15EX008	5.54	0.81	1.14	0.27	0.11	0.02	5.81	13.70								
	L15EX009	3.60	0.52	4.14	0.99	0.05	0.01	3.77	13.08								
	L15TO001	0.15	0.02	0.48	0.12	0.00	0.00	0.16	0.93								
	L15TO002	0.32	0.05	0.77	0.18	0.04	0.01	0.34	1.71								
	L15TO003	1.24	0.18	1.64	0.39	0.04	0.01	1.30	4.80								
	L15TO004	1.30	0.19	1.64	0.39	0.04	0.01	1.37	4.94								
	L15TO005	2.76	0.40	0.82	0.20	0.05	0.01	2.89	7.13								
	L15TO006	2.26	0.33	1.93	0.46	0.05	0.01	2.37	7.41								
	L15TO007	2.39	0.35	1.93	0.46	0.05	0.01	2.51	7.70								
	L15TO008	2.89	0.42	0.82	0.20	0.05	0.01	3.03	7.42								
L20	L20AB001	1.44	0.46	0.61	0.15	0.08	0.01	3.75	6.50								
	L20AB002	1.33	0.42	0.61	0.15	0.08	0.01	3.45	6.05								
	L20AB003	0.84	0.27	0.20	0.05	0.08	0.01	2.18	3.63								
	L20AB004	0.62	0.21	0.20	0.05	0.08	0.01	1.63	2.80								
	L20AB005	0.92	0.30	0.41	0.10	0.08	0.01	2.39	4.21								
	L20AB006	0.37	0.13	0.51	0.12	0.08	0.01	0.97	2.19								
	L20AB007	0.46	0.16	0.20	0.05	0.08	0.01	1.21	2.17								
	L20AB008	0.32	0.11	0.51	0.12	0.08	0.01	0.86	2.01								
	L20AB009	0.41	0.14	0.20	0.05	0.08	0.01	1.10	1.99								
	L20AB010	0.52	0.18	0.43	0.20	0.08	0.01	1.38	2.80								
	L20AB011	0.35	0.12	0.43	0.20	0.08	0.01	0.93	2.12								
	L20AI001	0.42	0.13	0.41	0.10	0.02	0.00	1.09	2.17								
	L20AI002	1.20	0.38	0.45	0.11	0.03	0.00	3.11	5.28								
	L20AI003	1.39	0.43	0.65	0.16	0.03	0.00	3.58	6.24								
	L20AI004	1.81	0.56	1.63	0.39	0.03	0.00	4.68	9.10								
L25	L25MB001	0.27	0.08	0.41	0.85	0.00	0.00	0.55	2.16								
	L25MB002	0.34	0.10	0.61	1.15	0.00	0.00	0.70	2.90								
	L25MB003	0.95	0.29	1.02	1.49	0.00	0.00	1.96	5.71								
	L25MB004	6.81	2.12	19.40	6.15	0.21	0.03	14.06	48.78								
L30	L30KL001	1.86	0.69	0.31	0.09	0.46	0.07	3.03	6.51	2.33	0.71	0.41	0.11	0.61	0.09	4.17	8.43
	L30KL002	0.60	0.20	0.16	0.04	0.00	0.00	0.96	1.96	0.75	0.21	0.20	0.06	0.00	0.00	1.32	2.54
	L30KL003	0.77	0.26	0.09	0.03	0.00	0.00	1.23	2.38	0.96	0.27	0.12	0.03	0.00	0.00	1.69	3.07
	L30KL004	0.12	0.04	0.00	0.00	0.00	0.00	0.19	0.35	0.15	0.04	0.00	0.00	0.00	0.00	0.26	0.45
	L30KL005	0.60	0.20	0.00	0.00	0.00	0.00	0.96	1.76	0.75	0.21	0.00	0.00	0.00	0.00	1.32	2.28
	L30KL006	0.47	0.16	0.09	0.03	0.00	0.00	0.74	1.49	0.58	0.16	0.12	0.03	0.00	0.00	1.02	1.91
	L30KL007	0.63	0.21	0.16	0.04	0.00	0.00	1.01	2.05	0.79	0.22	0.20	0.06	0.00	0.00	1.39	2.66
	L30KL008	0.89	0.30	0.16	0.04	0.00	0.00	1.43	2.82	1.12	0.31	0.20	0.06	0.00	0.00	1.96	3.65
	L30KL009	0.09	0.03	0.00	0.00	0.00	0.00	0.15	0.27	0.11	0.03	0.00	0.00	0.00	0.00	0.20	0.34

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		
L30	L30KL010	1.97	0.73	0.63	0.18	0.46	0.07	3.21	7.25	2.47	0.74	0.82	0.23	0.61	0.09	4.41	9.37
	L30KL011	0.70	0.24	0.25	0.07	0.00	0.00	1.12	2.38	0.88	0.24	0.33	0.09	0.00	0.00	1.54	3.08
	L30KL012	0.85	0.29	0.16	0.04	0.00	0.00	1.36	2.70	1.07	0.30	0.20	0.06	0.00	0.00	1.87	3.50
	L30KL013	0.12	0.04	0.00	0.00	0.00	0.00	0.19	0.35	0.15	0.04	0.00	0.00	0.00	0.00	0.26	0.45
	L30KL014	0.60	0.20	0.00	0.00	0.00	0.00	0.96	1.76	0.75	0.21	0.00	0.00	0.00	0.00	1.32	2.28
	L30KL015	0.57	0.19	0.09	0.03	0.00	0.00	0.90	1.78	0.71	0.20	0.12	0.03	0.00	0.00	1.24	2.30
	L30KL016	0.78	0.26	0.16	0.04	0.00	0.00	1.24	2.48	0.97	0.27	0.20	0.06	0.00	0.00	1.70	3.20
	L30KL017	1.05	0.36	0.25	0.07	0.00	0.00	1.67	3.40	1.31	0.36	0.33	0.09	0.00	0.00	2.30	4.39
	L30KL018	0.09	0.03	0.00	0.00	0.00	0.00	0.15	0.27	0.11	0.03	0.00	0.00	0.00	0.00	0.20	0.34
	L30KL019	2.41	0.88	0.94	0.26	0.46	0.07	3.91	8.93	3.02	0.90	1.23	0.34	0.61	0.09	5.38	11.57
	L30KL020	0.74	0.25	0.28	0.08	0.00	0.00	1.19	2.54	0.93	0.26	0.37	0.10	0.00	0.00	1.63	3.29
	L30KL021	0.92	0.31	0.22	0.06	0.00	0.00	1.48	2.99	1.15	0.32	0.29	0.08	0.00	0.00	2.03	3.87
	L30KL022	0.12	0.04	0.00	0.00	0.00	0.00	0.19	0.35	0.15	0.04	0.00	0.00	0.00	0.00	0.26	0.45
	L30KL023	0.60	0.20	0.00	0.00	0.00	0.00	0.96	1.76	0.75	0.21	0.00	0.00	0.00	0.00	1.32	2.28
	L30KL024	0.64	0.22	0.16	0.04	0.00	0.00	1.02	2.08	0.80	0.22	0.20	0.06	0.00	0.00	1.41	2.69
	L30KL025	0.88	0.30	0.25	0.07	0.00	0.00	1.41	2.91	1.11	0.31	0.33	0.09	0.00	0.00	1.94	3.78
	L30KL026	1.03	0.35	0.25	0.07	0.00	0.00	1.64	3.34	1.28	0.36	0.33	0.09	0.00	0.00	2.25	4.31
	L30KL027	0.09	0.03	0.00	0.00	0.00	0.00	0.15	0.27	0.11	0.03	0.00	0.00	0.00	0.00	0.20	0.34
	L30KL028	2.61	0.94	1.25	0.35	0.46	0.07	4.23	9.91	3.27	0.97	1.64	0.46	0.61	0.09	5.82	12.86
	L30KL029	0.91	0.31	0.34	0.10	0.00	0.00	1.46	3.12	1.14	0.32	0.45	0.13	0.00	0.00	2.00	4.04
	L30KL030	0.93	0.31	0.28	0.08	0.00	0.00	1.48	3.08	1.16	0.32	0.37	0.10	0.00	0.00	2.03	3.98
	L30KL031	0.12	0.04	0.00	0.00	0.00	0.00	0.19	0.35	0.15	0.04	0.00	0.00	0.00	0.00	0.26	0.45
	L30KL032	0.60	0.20	0.00	0.00	0.00	0.00	0.96	1.76	0.75	0.21	0.00	0.00	0.00	0.00	1.32	2.28
	L30KL033	0.83	0.28	0.16	0.04	0.00	0.00	1.32	2.63	1.04	0.29	0.20	0.06	0.00	0.00	1.82	3.41
	L30KL034	0.98	0.33	0.25	0.07	0.00	0.00	1.56	3.19	1.22	0.34	0.33	0.09	0.00	0.00	2.14	4.12
	L30KL035	1.49	0.51	0.31	0.09	0.00	0.00	2.38	4.78	1.87	0.52	0.41	0.11	0.00	0.00	3.28	6.19
	L30KL036	0.09	0.03	0.00	0.00	0.00	0.00	0.15	0.27	0.11	0.03	0.00	0.00	0.00	0.00	0.20	0.34
	L30KL037	3.51	1.25	1.57	0.44	0.46	0.07	5.67	12.97	4.39	1.28	2.04	0.57	0.61	0.09	7.79	16.77
	L30KL038	1.27	0.43	0.47	0.13	0.00	0.00	2.02	4.32	1.58	0.44	0.61	0.17	0.00	0.00	2.78	5.58
	L30KL039	1.22	0.41	0.31	0.09	0.00	0.00	1.94	3.97	1.52	0.42	0.41	0.11	0.00	0.00	2.67	5.13
	L30KL040	0.12	0.04	0.00	0.00	0.00	0.00	0.19	0.35	0.15	0.04	0.00	0.00	0.00	0.00	0.26	0.45
	L30KL041	0.72	0.24	0.00	0.00	0.00	0.00	1.14	2.10	0.89	0.25	0.00	0.00	0.00	0.00	1.57	2.71
	L30KL042	0.96	0.33	0.25	0.07	0.00	0.00	1.54	3.15	1.20	0.33	0.33	0.09	0.00	0.00	2.11	4.06
	L30KL043	1.75	0.59	0.31	0.09	0.00	0.00	2.79	5.53	2.19	0.61	0.41	0.11	0.00	0.00	3.84	7.16
	L30KL044	1.98	0.67	0.31	0.09	0.00	0.00	3.15	6.20	2.47	0.69	0.41	0.11	0.00	0.00	4.34	8.02
	L30KL045	0.09	0.03	0.00	0.00	0.00	0.00	0.15	0.27	0.11	0.03	0.00	0.00	0.00	0.00	0.20	0.34
	L30KL046	13.32	4.92	3.92	1.10	6.75	1.01	21.68	52.70	16.65	5.04	5.11	1.43	10.72	1.61	29.81	70.37
	L30KL047	14.91	5.47	5.79	1.62	6.88	1.03	24.24	59.94	18.64	5.60	7.56	2.12	10.94	1.64	33.32	79.82
	L30KL048	15.05	5.65	5.79	1.62	9.53	1.43	24.59	63.66	18.81	5.79	7.56	2.12	15.24	2.29	33.91	85.62
	L30KL049	17.27	6.50	9.08	2.54	11.28	1.69	28.22	76.58	21.58	6.65	11.86	3.32	18.07	2.71	38.80	102.99
	L30KL050	16.70	6.07	5.79	1.62	6.75	1.01	27.09	65.03	20.88	6.22	7.56	2.12	10.72	1.61	37.24	86.35

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	
L30	L30KL051		17.70	6.42	5.79	1.62	6.88	1.03	28.68	68.12	22.12	6.57	7.56	2.12	10.94	1.64	39.43	90.38
	L30KL052		19.83	7.28	9.08	2.54	9.53	1.43	32.22	81.91	24.79	7.45	11.86	3.32	15.24	2.29	44.30	109.25
	L30KL053		21.81	8.04	9.08	2.54	11.28	1.69	35.48	89.92	27.27	8.23	11.86	3.32	18.07	2.71	48.78	120.24
	L30KL054		1.28	0.43	0.25	0.07	0.00	0.00	2.04	4.07	1.60	0.44	0.33	0.09	0.00	0.00	2.80	5.26
	L30KL055		2.15	0.73	0.47	0.13	0.00	0.00	3.43	6.91	2.68	0.75	0.61	0.17	0.00	0.00	4.71	8.92
	L30KL056		2.32	0.79	0.47	0.13	0.00	0.00	3.70	7.41	2.90	0.81	0.61	0.17	0.00	0.00	5.09	9.58
	L30KL057		2.12	0.72	0.47	0.13	0.00	0.00	3.38	6.82	2.64	0.73	0.61	0.17	0.00	0.00	4.65	8.80
L35	L35CA001		4.51	1.52	2.27	0.86	0.00	0.00	9.51	18.67	5.64	1.56	2.97	1.13	0.00	0.00	12.33	23.63
	L35CA002		4.86	1.64	2.27	0.86	0.00	0.00	10.25	19.88	6.07	1.68	2.97	1.13	0.00	0.00	13.28	25.13
	L35CA003		5.12	1.72	2.65	1.01	0.00	0.00	10.79	21.29	6.40	1.77	3.46	1.32	0.00	0.00	13.99	26.94
	L35CA004		8.40	2.83	2.71	1.03	0.00	0.00	17.71	32.68	10.50	2.90	3.55	1.35	0.00	0.00	22.95	41.25
	L35CA005		10.34	3.48	3.73	1.42	0.00	0.00	21.81	40.78	12.93	3.57	4.88	1.85	0.00	0.00	28.27	51.50
	L35CA006		13.63	4.59	5.09	1.93	0.00	0.00	28.76	54.00	17.04	4.71	6.66	2.53	0.00	0.00	37.27	68.21
	L35CA007		20.24	6.81	7.13	2.71	0.00	0.00	42.69	79.58	25.30	6.98	9.32	3.54	0.00	0.00	55.32	100.46
	L35CS001		4.32	1.45	2.14	0.81	0.00	0.00	9.11	17.83	5.40	1.49	2.80	1.06	0.00	0.00	11.80	22.55
	L35CS002		6.37	2.14	2.78	1.06	0.00	0.00	13.43	25.78	7.96	2.20	3.64	1.38	0.00	0.00	17.40	32.58
	L35CS003		8.46	2.85	4.00	1.52	0.00	0.00	17.84	34.67	10.57	2.92	5.24	1.99	0.00	0.00	23.11	43.83
	L35CS004		9.42	3.17	4.75	1.81	0.00	0.00	19.86	39.01	11.77	3.25	6.21	2.36	0.00	0.00	25.73	49.32
	L35FI001		5.56	1.87	2.38	0.90	0.00	0.00	11.72	22.43	6.95	1.92	3.11	1.18	0.00	0.00	15.19	28.35
	L35FI002		6.14	2.07	2.88	1.10	0.00	0.00	12.94	25.13	7.67	2.12	3.77	1.43	0.00	0.00	16.77	31.76
	L35FI003		10.00	3.37	4.31	1.64	0.00	0.00	21.09	40.41	12.50	3.45	5.63	2.14	0.00	0.00	27.33	51.05
	L35FI004		12.73	4.29	5.70	2.17	0.00	0.00	26.85	51.74	15.92	4.39	7.45	2.83	0.00	0.00	34.80	65.39
	L35FI005		18.89	6.36	7.57	2.88	0.00	0.00	39.84	75.54	23.61	6.52	9.89	3.76	0.00	0.00	51.63	95.41
	L35ID001		4.89	1.65	2.38	0.90	0.00	0.00	10.32	20.14	6.11	1.69	3.11	1.18	0.00	0.00	13.37	25.46
	L35ID002		6.47	2.18	2.71	1.03	0.00	0.00	13.65	26.04	8.09	2.23	3.55	1.35	0.00	0.00	17.68	32.90
	L35ID003		9.74	3.28	4.75	1.81	0.00	0.00	20.54	40.12	12.17	3.36	6.21	2.36	0.00	0.00	26.62	50.72
	L35ID004		12.37	4.16	5.60	2.13	0.00	0.00	26.09	50.35	15.46	4.27	7.32	2.78	0.00	0.00	33.81	63.64
	L35ID005		14.90	5.01	7.29	2.77	0.00	0.00	31.42	61.39	18.62	5.14	9.54	3.63	0.00	0.00	40.72	77.65
	L35JD001		3.32	1.12	1.63	0.62	0.00	0.00	7.00	13.69	4.15	1.15	2.13	0.81	0.00	0.00	9.07	17.31
	L35JD002		4.30	1.45	2.38	0.90	0.00	0.00	9.07	18.10	5.38	1.48	3.11	1.18	0.00	0.00	11.75	22.90
	L35JD003		5.86	1.97	3.05	1.16	0.00	0.00	12.36	24.40	7.33	2.02	3.99	1.52	0.00	0.00	16.02	30.88
	L35JD004		8.00	2.69	4.07	1.55	0.00	0.00	16.87	33.18	10.00	2.76	5.32	2.02	0.00	0.00	21.87	41.97
	L35JD005		9.06	3.05	4.75	1.81	0.00	0.00	19.11	37.78	11.33	3.13	6.21	2.36	0.00	0.00	24.77	47.80
	L35KM001		5.93	1.99	2.38	0.90	0.00	0.00	12.50	23.70	7.41	2.04	3.11	1.18	0.00	0.00	16.19	29.93
	L35KM002		8.48	2.85	3.05	1.16	0.00	0.00	17.89	33.43	10.60	2.93	3.99	1.52	0.00	0.00	23.18	42.22
	L35KM003		11.56	3.89	3.73	1.42	0.00	0.00	24.39	44.99	14.45	3.99	4.88	1.85	0.00	0.00	31.61	56.78
	L35KM004		13.65	4.60	4.58	1.74	0.00	0.00	28.80	53.37	17.07	4.71	5.99	2.28	0.00	0.00	37.32	67.37
	L35KM005		15.57	5.24	5.43	2.06	0.00	0.00	32.85	61.15	19.47	5.37	7.10	2.70	0.00	0.00	42.57	77.21
	L35KM006		19.88	6.69	6.79	2.58	0.00	0.00	41.93	77.87	24.85	6.86	8.87	3.37	0.00	0.00	54.33	98.28
I40																		

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	L40CA001	4.17	1.64	2.04	0.86	0.87	0.13	5.01	14.72	5.21	1.68	2.66	1.12	1.67	0.25	6.71	19.30
	L40CA002	5.63	2.19	2.66	1.12	0.87	0.13	6.73	19.33	7.04	2.23	3.48	1.46	1.67	0.25	9.02	25.15
	L40CA003	6.59	2.55	3.45	1.45	0.96	0.14	7.88	23.02	8.24	2.61	4.50	1.89	1.83	0.27	10.55	29.89
	L40CA004	8.20	3.27	4.23	1.78	2.26	0.34	9.88	29.96	10.24	3.34	5.52	2.32	4.32	0.65	13.23	39.62
	L40CA005	10.31	4.13	5.01	2.10	2.99	0.45	12.44	37.43	12.88	4.22	6.54	2.75	5.70	0.86	16.66	49.61
	L40CA006	13.99	5.72	6.77	2.84	5.28	0.79	16.98	52.37	17.49	5.84	8.83	3.71	10.07	1.51	22.74	70.19
	L40CS001	3.39	1.35	2.16	0.91	0.87	0.13	4.08	12.89	4.24	1.38	2.82	1.18	1.67	0.25	5.47	17.01
	L40CS002	4.53	1.78	2.82	1.18	0.96	0.14	5.44	16.85	5.66	1.82	3.68	1.55	1.83	0.27	7.28	22.09
	L40CS003	6.52	2.62	3.45	1.45	1.97	0.30	7.87	24.18	8.15	2.67	4.50	1.89	3.76	0.56	10.54	32.07
	L40CS004	7.87	3.13	4.79	2.01	1.97	0.30	9.48	29.55	9.84	3.19	6.26	2.63	3.76	0.56	12.69	38.93
	L40CS005	10.09	4.04	6.42	2.70	2.85	0.43	12.17	38.70	12.61	4.12	8.38	3.52	5.44	0.82	16.30	51.19
	L40FI001	4.37	1.71	2.22	0.93	0.87	0.13	5.24	15.47	5.46	1.75	2.90	1.22	1.67	0.25	7.01	20.26
	L40FI002	5.19	2.03	2.82	1.18	0.96	0.14	6.21	18.53	6.48	2.07	3.68	1.55	1.83	0.27	8.32	24.20
	L40FI003	5.79	2.27	3.45	1.45	1.18	0.18	6.94	21.26	7.23	2.32	4.50	1.89	2.26	0.34	9.30	27.84
	L40FI004	6.78	2.64	3.92	1.64	1.18	0.18	8.12	24.46	8.47	2.70	5.11	2.15	2.26	0.34	10.87	31.90
	L40FI005	7.26	2.90	4.38	1.84	2.07	0.31	8.75	27.51	9.07	2.97	5.72	2.40	3.95	0.59	11.73	36.43
	L40FI006	9.79	3.95	5.79	2.43	3.14	0.47	11.84	37.41	12.24	4.04	7.56	3.18	5.99	0.90	15.85	49.76
	L40FN001	1.81	0.71	1.50	0.63	0.34	0.05	2.18	7.22	2.27	0.73	1.96	0.82	0.64	0.10	2.91	9.43
	L40FN002	2.06	0.81	1.50	0.63	0.41	0.06	2.48	7.95	2.58	0.83	1.96	0.82	0.78	0.12	3.32	10.41
	L40FN003	2.32	0.91	1.88	0.79	0.49	0.07	2.78	9.24	2.90	0.93	2.45	1.03	0.92	0.14	3.73	12.10
	L40FN004	2.45	0.99	1.97	0.83	0.72	0.11	2.97	10.04	3.07	1.01	2.58	1.08	1.35	0.20	3.97	13.26
	L40FU001	5.64	2.22	2.51	1.05	1.18	0.18	6.77	19.55	7.05	2.27	3.27	1.37	2.26	0.34	9.07	25.63
	L40FU002	6.64	2.59	3.19	1.34	1.18	0.18	7.96	23.08	8.30	2.65	4.17	1.75	2.26	0.34	10.65	30.12
	L40FU003	8.28	3.28	4.38	1.84	1.97	0.30	9.95	30.00	10.35	3.35	5.72	2.40	3.76	0.56	13.33	39.47
	L40FU004	9.93	3.90	5.01	2.10	1.97	0.30	11.92	35.13	12.42	3.98	6.54	2.75	3.76	0.56	15.96	45.97
	L40FU005	13.48	5.37	6.80	2.85	3.60	0.54	16.24	48.88	16.85	5.49	8.87	3.73	6.87	1.03	21.76	64.60
	L40ID001	4.45	1.74	2.51	1.05	0.87	0.13	5.33	16.08	5.56	1.78	3.27	1.37	1.67	0.25	7.14	21.04
	L40ID002	5.49	2.16	3.29	1.38	1.18	0.18	6.60	20.28	6.87	2.21	4.29	1.80	2.26	0.34	8.84	26.61
	L40ID003	6.57	2.57	3.76	1.58	1.18	0.18	7.87	23.71	8.21	2.62	4.91	2.06	2.26	0.34	10.54	30.94
	L40ID004	9.67	3.80	5.17	2.17	1.97	0.30	11.60	34.68	12.09	3.88	6.75	2.83	3.76	0.56	15.54	45.41
	L40ID005	13.41	5.33	6.42	2.70	3.44	0.52	16.14	47.96	16.76	5.45	8.38	3.52	6.56	0.98	21.62	63.27
	L40JD001	4.15	1.63	2.35	0.99	0.87	0.13	4.99	15.11	5.19	1.67	3.07	1.29	1.67	0.25	6.68	19.82
	L40JD002	4.70	1.84	2.98	1.25	0.96	0.14	5.63	17.50	5.87	1.88	3.88	1.63	1.83	0.27	7.55	22.91
	L40JD003	5.56	2.17	3.60	1.51	0.96	0.14	6.65	20.59	6.94	2.21	4.70	1.97	1.83	0.27	8.91	26.83
	L40JD004	8.01	3.16	5.01	2.10	1.77	0.27	9.63	29.95	10.02	3.23	6.54	2.75	3.39	0.51	12.89	39.33
	L40KA001	6.18	2.42	3.38	1.42	1.18	0.18	7.41	22.17	7.72	2.47	4.42	1.85	2.26	0.34	9.92	28.98
	L40KA002	8.61	3.40	4.95	2.08	1.97	0.30	10.34	31.65	10.76	3.47	6.46	2.71	3.76	0.56	13.85	41.57
	L40KA003	9.26	3.65	5.17	2.17	2.07	0.31	11.13	33.76	11.58	3.73	6.75	2.83	3.95	0.59	14.90	44.33
	L40MC001	4.33	1.71	2.32	0.97	0.77	0.12	5.20	15.42	5.41	1.74	3.03	1.27	1.41	0.21	6.96	20.03
	L40MC002	6.40	2.48	2.57	1.08	0.77	0.12	7.65	21.07	8.00	2.54	3.35	1.41	1.41	0.21	10.25	27.17
	L40MC003	7.59	2.95	3.45	1.45	0.95	0.14	9.08	25.61	9.49	3.01	4.50	1.89	1.73	0.26	12.17	33.05

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	L40MC004	9.72	3.82	4.54	1.91	1.58	0.24	11.66	33.47	12.15	3.90	5.93	2.49	2.89	0.43	15.62	43.41
	L40MC005	12.05	4.80	5.95	2.50	2.51	0.38	14.52	42.71	15.07	4.90	7.77	3.26	4.60	0.69	19.44	55.73
	L40MC006	14.74	5.80	6.36	2.67	2.51	0.38	17.70	50.16	18.43	5.93	8.30	3.49	4.60	0.69	23.70	65.14
	L40MF001	2.50	0.98	1.41	0.59	0.39	0.06	3.00	8.93	3.13	1.00	1.84	0.77	0.73	0.11	4.01	11.59
	L40MF002	2.80	1.10	2.04	0.86	0.49	0.07	3.36	10.72	3.50	1.12	2.66	1.12	0.92	0.14	4.50	13.96
	L40MF003	2.95	1.17	2.32	0.97	0.62	0.09	3.55	11.67	3.69	1.19	3.03	1.27	1.17	0.18	4.76	15.29
	L40MI001	2.33	0.92	0.81	0.34	0.53	0.08	2.80	7.81	2.92	0.94	1.06	0.45	1.01	0.15	3.75	10.28
	L40MI002	3.44	1.37	1.57	0.66	0.87	0.13	4.14	12.18	4.30	1.40	2.04	0.86	1.67	0.25	5.54	16.06
	L40MI003	3.73	1.48	1.72	0.72	0.87	0.13	4.49	13.14	4.67	1.51	2.25	0.94	1.67	0.25	6.01	17.30
	L40TE001	9.20	3.72	5.01	2.10	2.99	0.45	11.13	34.60	11.50	3.80	6.54	2.75	5.70	0.86	14.90	46.05
	L40TR001	5.23	2.06	2.91	1.22	1.18	0.18	6.28	19.06	6.53	2.11	3.80	1.60	2.26	0.34	8.41	25.05
	L40TR002	5.35	2.11	3.45	1.45	1.18	0.18	6.42	20.14	6.68	2.15	4.50	1.89	2.26	0.34	8.60	26.42
	L40TR003	6.35	2.48	3.73	1.57	1.18	0.18	7.61	23.10	7.93	2.54	4.87	2.04	2.26	0.34	10.19	30.17
	L40TR004	8.03	3.18	5.36	2.25	1.97	0.30	9.66	30.75	10.04	3.25	6.99	2.94	3.76	0.56	12.94	40.48
	L40TR005	9.63	3.89	5.79	2.43	3.14	0.47	11.65	37.00	12.04	3.97	7.56	3.18	5.99	0.90	15.60	49.24
	L40CA007	17.83	6.89	8.46	2.54	6.54	0.98	18.64	61.88	21.39	7.02	11.04	3.31	12.48	1.87	23.97	81.08
	L40CA008	26.25	10.35	11.75	3.52	8.87	1.33	27.55	89.62	31.50	10.55	15.33	4.60	16.94	2.54	35.42	116.88
	L40CA009	52.17	20.98	21.61	6.48	21.69	3.25	54.92	181.10	62.60	21.38	28.21	8.46	41.40	6.21	70.62	238.88
	L40FI007	13.25	5.24	7.20	2.16	6.54	0.98	13.91	49.28	15.90	5.34	9.40	2.82	12.48	1.87	17.89	65.70
	L40FI008	20.69	8.03	10.96	3.29	7.98	1.20	21.65	73.80	24.83	8.18	14.31	4.29	15.24	2.29	27.83	96.97
	L40ID006	18.87	7.27	9.87	2.96	6.54	0.98	19.72	66.21	22.65	7.40	12.88	3.86	12.48	1.87	25.35	86.49
	L40ID007	27.23	10.38	13.00	3.90	7.98	1.20	28.41	92.10	32.68	10.57	16.97	5.09	15.24	2.29	36.52	119.36
	L40ID008	48.61	18.84	18.48	5.54	13.20	1.98	50.85	157.50	58.33	19.19	24.13	7.24	25.19	3.78	65.38	203.24
	L40ID009	108.40	42.08	34.45	10.34	30.15	4.52	113.43	343.37	130.08	42.87	44.98	13.49	57.56	8.63	145.84	443.45
	L40JD005	12.96	5.14	8.14	2.44	6.54	0.98	13.61	49.81	15.55	5.23	10.63	3.19	12.48	1.87	17.50	66.45
	L40KA004	12.10	4.61	7.08	2.12	3.60	0.54	12.62	42.67	14.52	4.70	9.24	2.77	6.87	1.03	16.23	55.36
	L40KA005	16.12	6.28	9.71	2.91	6.54	0.98	16.88	59.42	19.35	6.40	12.68	3.80	12.48	1.87	21.70	78.28
	L40KA006	24.93	9.72	12.00	3.60	7.40	1.11	26.10	84.86	29.91	9.91	15.66	4.70	14.12	2.12	33.56	109.98
	L40MC007	15.47	6.04	7.89	2.37	5.23	0.78	16.20	53.98	18.56	6.16	10.30	3.09	9.59	1.44	20.83	69.97
	L40MC008	17.68	7.03	9.08	2.72	5.25	0.79	18.57	61.12	21.21	7.16	11.86	3.56	9.62	1.44	23.88	78.73
	L40MC009	26.57	10.28	11.28	3.38	5.65	0.85	27.79	85.80	31.89	10.47	14.72	4.42	10.36	1.55	35.73	109.14
	L40MC010	28.63	11.21	13.06	3.92	7.10	1.07	30.00	94.99	34.35	11.42	17.05	5.12	13.01	1.95	38.57	121.47
	L40MC011	48.34	19.61	20.36	6.11	17.35	2.60	50.97	165.34	58.01	19.98	26.58	7.97	31.81	4.77	65.53	214.65
	L40MC012	53.13	21.33	21.27	6.38	17.35	2.60	55.92	177.98	63.75	21.73	27.76	8.33	31.81	4.77	71.89	230.04
	L40TE002	13.08	4.93	7.74	2.32	3.14	0.47	13.62	45.30	15.69	5.03	10.10	3.03	5.99	0.90	17.51	58.25
	L40TE003	18.00	6.95	9.87	2.96	6.54	0.98	18.82	64.12	21.60	7.08	12.88	3.86	12.48	1.87	24.20	83.97
	L40TE004	23.41	9.18	12.15	3.65	7.40	1.11	24.54	81.44	28.10	9.35	15.87	4.76	14.12	2.12	31.55	105.87
	L40TE005	27.39	10.76	14.41	4.32	8.87	1.33	28.72	95.80	32.87	10.96	18.81	5.64	16.94	2.54	36.92	124.68
	L40TR006	11.87	4.53	7.23	2.17	3.60	0.54	12.38	42.32	14.24	4.62	9.45	2.83	6.87	1.03	15.92	54.96
	L40TR007	16.19	6.30	9.21	2.76	6.54	0.98	16.94	58.92	19.42	6.42	12.02	3.61	12.48	1.87	21.78	77.60
	L40TR008	21.24	8.34	12.53	3.76	6.87	1.03	22.27	76.04	25.49	8.50	16.36	4.91	13.11	1.97	28.64	98.98

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
L40	L40ME001	0.74	0.19	1.34	0.43	0.11	0.02	0.88	3.71								
	L40ME002	1.14	0.30	0.51	0.21	0.11	0.02	1.36	3.65								
	L40ME003	1.48	0.38	0.75	0.31	0.09	0.01	1.75	4.77								
	L40ME004	1.42	0.36	2.67	0.86	0.11	0.02	1.68	7.12								
	L40ME005	1.72	0.44	0.95	0.40	0.11	0.02	2.03	5.67								
	L40ME006	1.86	0.47	2.84	0.91	0.11	0.02	2.20	8.41								
	L40ME007	1.99	0.51	1.22	0.51	0.11	0.02	2.36	6.72								
	L40ME008	2.50	0.65	1.83	0.77	0.35	0.05	2.97	9.12								
	L40ME009	3.14	0.82	2.51	1.05	0.39	0.06	3.74	11.71								
	L40ME010	4.44	1.20	2.65	1.11	1.15	0.17	5.31	16.03								
	L40ME011	4.53	1.23	2.78	1.17	1.15	0.17	5.42	16.45								
	L40CA010	4.80	1.87	2.04	0.86	0.87	0.13	6.16	16.73	5.99	1.91	2.66	1.12	1.67	0.25	8.21	21.81
	L40CA011	6.12	2.38	2.98	1.25	0.96	0.14	7.85	21.68	7.66	2.43	3.88	1.63	1.83	0.27	10.47	28.17
	L40CA012	6.94	2.68	3.45	1.45	0.96	0.14	8.88	24.50	8.67	2.74	4.50	1.89	1.83	0.27	11.84	31.74
	L40MC013	20.82	7.97	7.89	2.37	5.23	0.78	23.28	68.34	24.98	8.12	10.30	3.09	9.59	1.44	29.80	87.32
L45	L45CA001	5.85	1.97	2.27	0.86	0.00	0.00	12.33	23.28	7.31	2.02	2.97	1.13	0.00	0.00	15.98	29.41
L50	L50CA001	3.79	1.48	1.94	0.62	0.53	0.08	5.19	13.63	4.74	1.51	2.54	0.81	0.74	0.11	6.90	17.35
	L50CA002	4.25	1.65	2.19	0.70	0.53	0.08	5.81	15.21	5.32	1.69	2.86	0.92	0.74	0.11	7.72	19.36
	L50CA003	4.46	1.74	2.41	0.77	0.63	0.09	6.11	16.21	5.58	1.78	3.15	1.01	0.88	0.13	8.12	20.65
	L50CS001	2.60	1.02	1.97	0.63	0.39	0.06	3.57	10.24	3.25	1.04	2.58	0.82	0.54	0.08	4.74	13.05
	L50CS002	3.49	1.37	1.97	0.63	0.53	0.08	4.78	12.85	4.36	1.40	2.58	0.82	0.75	0.11	6.35	16.37
	L50CS003	5.67	2.20	2.82	0.90	0.68	0.10	7.75	20.12	7.08	2.25	3.68	1.18	0.96	0.14	10.29	25.58
	L50CS004	6.37	2.48	3.51	1.12	0.85	0.13	8.71	23.17	7.96	2.54	4.58	1.47	1.19	0.18	11.57	29.49
	L50FN001	2.67	1.05	1.50	0.48	0.45	0.07	3.66	9.88	3.34	1.07	1.96	0.63	0.63	0.09	4.87	12.59
	L50FN002	3.01	1.17	1.50	0.48	0.33	0.05	4.12	10.66	3.77	1.19	1.96	0.63	0.47	0.07	5.47	13.56
	L50FN003	3.17	1.24	1.88	0.60	0.49	0.07	4.34	11.79	3.96	1.27	2.45	0.79	0.69	0.10	5.76	15.02
	L50FN004	3.56	1.39	1.97	0.63	0.49	0.07	4.88	12.99	4.45	1.42	2.58	0.82	0.68	0.10	6.48	16.53
	L50FN005	3.95	1.55	2.26	0.72	0.61	0.09	5.41	14.59	4.94	1.58	2.94	0.94	0.86	0.13	7.19	18.58
	L50FN006	5.74	2.22	3.13	1.00	0.63	0.09	7.83	20.64	7.17	2.27	4.09	1.31	0.88	0.13	10.40	26.25
	L50JD001	3.01	1.18	2.04	0.65	0.47	0.07	4.12	11.54	3.76	1.21	2.66	0.85	0.66	0.10	5.47	14.71
	L50JD002	3.60	1.41	2.35	0.75	0.55	0.08	4.94	13.68	4.50	1.44	3.07	0.98	0.77	0.12	6.56	17.44
	L50JD003	4.33	1.69	2.66	0.85	0.63	0.09	5.93	16.18	5.41	1.73	3.48	1.11	0.88	0.13	7.87	20.61
	L50JD004	4.87	1.90	2.98	0.95	0.68	0.10	6.67	18.15	6.09	1.94	3.88	1.24	0.96	0.14	8.86	23.11
	L50JD005	6.10	2.41	3.13	1.00	1.07	0.16	8.37	22.24	7.62	2.46	4.09	1.31	1.50	0.23	11.12	28.33
	L50MF001	3.76	1.46	2.04	0.65	0.42	0.06	5.13	13.52	4.69	1.49	2.66	0.85	0.59	0.09	6.81	17.18
	L50MF002	3.83	1.48	2.32	0.74	0.42	0.06	5.23	14.08	4.79	1.51	3.03	0.97	0.59	0.09	6.95	17.93
	L50MF003	4.22	1.65	2.32	0.74	0.63	0.09	5.78	15.43	5.28	1.69	3.03	0.97	0.88	0.13	7.68	19.66
L55	L55KN001	0.77	0.17	0.00	0.52	0.00	0.00	1.23	2.69								

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	
L55	L55KN002	1.57	0.34	0.00	1.06	0.00	0.00	2.51	5.48								
	L55KN003	3.23	0.70	0.00	2.01	0.00	0.00	5.16	11.10								
	L55KN004	0.65	0.14	0.00	0.25	0.00	0.00	1.05	2.09								
	L55KN005	1.29	0.28	0.00	0.37	0.00	0.00	2.07	4.01								
L60	L60CA001	6.18	2.03	2.98	0.83	1.90	0.29	7.26	21.47	7.73	2.08	3.88	1.09	3.97	0.60	9.64	28.99
	L60CA002	7.48	2.43	2.98	0.83	1.90	0.29	8.77	24.68	9.35	2.49	3.88	1.09	3.97	0.60	11.64	33.02
	L60CA003	7.12	2.32	3.76	1.05	1.90	0.29	8.35	24.79	8.90	2.38	4.91	1.37	3.97	0.60	11.09	33.22
	L60CA004	8.99	2.89	4.07	1.14	1.90	0.29	10.52	29.80	11.23	2.96	5.32	1.49	3.97	0.60	13.97	39.54
	L60CA005	10.01	3.31	5.48	1.53	3.37	0.51	11.77	35.98	12.51	3.40	7.16	2.00	7.05	1.06	15.63	48.81
	L60CA006	9.96	3.25	4.07	1.14	2.72	0.41	11.68	33.23	12.45	3.33	5.32	1.49	5.70	0.86	15.51	44.66
	L60CA007	23.48	7.16	4.23	1.18	0.00	0.00	27.25	63.30	29.35	7.34	5.52	1.55	0.00	0.00	36.19	79.95
	L60JD001	6.31	2.03	3.13	0.88	1.36	0.20	7.39	21.30	7.89	2.08	4.09	1.14	2.86	0.43	9.81	28.30
	L60JD002	6.59	2.27	3.76	1.05	3.37	0.51	7.80	25.35	8.24	2.33	4.91	1.37	7.05	1.06	10.36	35.32
	L60JD003	7.03	2.25	3.13	0.88	1.36	0.20	8.22	23.07	8.79	2.31	4.09	1.14	2.86	0.43	10.92	30.54
	L60JD004	7.60	2.58	3.76	1.05	3.37	0.51	8.97	27.84	9.50	2.64	4.91	1.37	7.05	1.06	11.92	38.45
	L60JD005	10.43	3.73	4.95	1.39	7.08	1.06	12.43	41.07	13.03	3.82	6.46	1.81	14.83	2.22	16.50	58.67
	L60JD006	8.84	2.96	4.54	1.27	3.37	0.51	10.42	31.91	11.06	3.03	5.93	1.66	7.05	1.06	13.84	43.63
	L60RN001	6.42	2.06	3.26	0.91	1.09	0.16	7.52	21.42	8.03	2.12	4.25	1.19	2.22	0.33	9.98	28.12
	L60RN002	6.96	2.38	4.13	1.16	2.70	0.41	8.24	25.98	8.70	2.45	5.40	1.51	5.47	0.82	10.94	35.29
	L60RN003	8.15	2.75	4.98	1.39	2.70	0.41	9.62	30.00	10.19	2.82	6.50	1.82	5.47	0.82	12.77	40.39
	L60RN004	9.63	3.68	6.80	1.90	7.67	1.15	11.62	42.45	12.04	3.78	8.87	2.48	15.58	2.34	15.44	60.53
P10	P10IC001	8.17	2.41	4.85	1.55	0.00	0.00	13.15	30.13								
	P10IC002	13.25	3.91	7.83	2.51	0.00	0.00	21.32	48.82								
	P10IC003	15.01	4.43	7.83	2.51	0.00	0.00	24.15	53.93								
	P10IC004	21.17	6.25	15.75	5.04	0.00	0.00	34.07	82.28								
	P10IC005	34.29	10.13	20.36	6.51	0.00	0.00	55.18	126.47								
	P10XX001	1.32	0.39	0.00	1.00	0.00	0.00	2.12	4.83								
	P10XX002	1.61	0.47	0.00	2.00	0.00	0.00	2.59	6.67								
	P10XX003	2.67	0.79	0.00	3.00	0.00	0.00	4.30	10.76								
P20	P20IC001	4.44	1.31	0.72	0.23	0.00	0.00	9.83	16.53								
	P20IC002	7.06	2.09	1.57	0.50	0.00	0.00	15.63	26.85								
	P20IC003	7.70	2.27	2.38	0.76	0.00	0.00	17.04	30.15								
	P20IC004	8.14	2.40	2.82	0.90	0.00	0.00	18.02	32.28								
	P20IC005	11.30	3.34	4.17	1.33	0.00	0.00	25.02	45.16								
	P20IC006	12.67	3.74	4.26	1.36	0.00	0.00	28.04	50.07								
	P20MK001	5.11	1.51	0.00	0.32	0.00	0.00	11.31	18.25								
	P20MK002	1.57	0.46	0.00	0.25	0.00	0.00	3.48	5.76								
	P20MK003	2.00	0.59	0.00	0.34	0.00	0.00	4.42	7.35								

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS								
		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RPR	RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RPR	RATE
P20	P20MK004	2.49	0.73	0.00	0.45	0.00	0.00	5.50	9.17								
	P20MK005	4.41	1.30	0.00	0.51	0.00	0.00	9.77	15.99								
	P20MK006	4.60	1.36	0.00	0.66	0.00	0.00	10.18	16.80								
	P20MK007	5.29	1.56	0.00	0.66	0.00	0.00	11.71	19.22								
	P20VU001	5.72	1.69	0.00	0.68	0.00	0.00	12.66	20.75								
	P20VU002	6.53	1.93	0.00	0.80	0.00	0.00	14.45	23.71								
	P20VU003	7.03	2.08	0.00	0.95	0.00	0.00	15.55	25.61								
	P20VU004	8.61	2.54	0.00	1.12	0.00	0.00	19.07	31.34								
	P20VU005	10.60	3.13	0.00	1.17	0.00	0.00	23.47	38.37								
	P20VU006	15.27	4.51	0.00	1.39	0.00	0.00	33.80	54.97								
P25	P25MK001	5.63	1.66	0.00	0.32	0.00	0.00	11.34	18.95								
	P25MK002	6.47	1.91	0.00	0.51	0.00	0.00	13.03	21.92								
	P25MK003	8.90	2.63	0.00	0.61	0.00	0.00	17.92	30.06								
	P25VU001	4.22	1.25	0.00	0.45	0.00	0.00	8.49	14.41								
	P25VU002	4.99	1.47	0.00	0.51	0.00	0.00	10.04	17.01								
	P25VU003	6.05	1.79	0.00	0.61	0.00	0.00	12.19	20.64								
	P25VU004	6.41	1.89	0.00	0.75	0.00	0.00	12.90	21.95								
	P25VU005	7.23	2.13	0.00	0.65	0.00	0.00	14.54	24.55								
	P25VU006	8.75	2.58	0.00	0.95	0.00	0.00	17.61	29.89								
	P25VU007	9.85	2.91	0.00	0.95	0.00	0.00	19.83	33.54								
	P25VU008	12.94	3.82	0.00	1.17	0.00	0.00	26.05	43.98								
	P25VU009	14.68	4.34	0.00	1.28	0.00	0.00	29.54	49.84								
P30	P30MK001	8.31	2.45	3.54	1.13	0.00	0.00	16.72	32.15								
	P30MK002	16.01	4.73	8.77	2.81	0.00	0.00	32.23	64.55								
	P30MK003	19.31	5.71	10.96	3.51	0.00	0.00	38.88	78.37								
	P30MK004	25.16	7.43	17.23	5.51	0.00	0.00	50.65	105.98								
	P30MK005	28.20	8.33	20.36	6.51	0.00	0.00	56.77	120.17								
P35	P35CA001	9.23	4.08	1.83	0.73	0.00	0.00	16.40	32.27	11.08	4.15	2.28	0.91	0.00	0.00	21.56	39.98
	P35CA002	14.80	6.54	3.48	1.39	0.00	0.00	26.30	52.51	17.77	6.65	4.35	1.74	0.00	0.00	34.56	65.07
	P35CA003	16.06	7.10	3.48	1.39	0.00	0.00	28.53	56.56	19.27	7.21	4.35	1.74	0.00	0.00	37.49	70.06
	P35CA004	21.24	9.39	5.22	2.09	0.00	0.00	37.73	75.67	25.49	9.54	6.53	2.61	0.00	0.00	49.59	93.76
P40	P40GV001	2.80	0.83	1.39	0.44	0.24	0.04	3.77	9.51								
	P40GV002	3.10	0.91	1.81	0.58	0.26	0.04	4.16	10.86								
	P40GV003	3.97	1.16	1.81	0.58	0.26	0.04	5.32	13.14								
	P40GV004	6.53	1.87	1.81	1.18	0.18	0.03	8.71	20.31								
	P40GV005	9.21	2.81	3.74	1.95	1.44	0.22	12.47	31.84								
	P40GV006	11.46	3.40	3.74	1.80	1.20	0.18	15.42	37.20								

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	14.04	4.11	3.74	1.80	1.08	0.16	18.83	43.76						
	P40GV008	19.96	5.78	3.74	1.90	1.08	0.16	26.71	59.33						
	P40GV009	4.56	1.31	1.21	0.99	0.15	0.02	6.09	14.33						
	P40GV010	5.68	1.62	1.99	1.24	0.15	0.02	7.57	18.27						
	P40GV011	10.19	2.94	3.20	1.62	0.52	0.08	13.62	32.17						
	P40RE001	6.59	1.88	9.95	3.68	0.18	0.03	8.78	31.09						
P45	P45CG001	0.30	0.08	0.00	0.05	0.00	0.00	0.45	0.88						
	P45CG002	0.53	0.13	0.00	0.10	0.00	0.00	0.79	1.55						
	P45CG003	1.40	0.35	0.00	0.15	0.00	0.00	2.10	4.00						
	P45CG004	2.53	0.64	0.00	0.31	0.00	0.00	3.78	7.26						
	P45CG005	2.70	0.69	1.01	0.28	0.03	0.00	4.05	8.76						
P50	P50HO001	0.10	0.03	0.54	0.17	0.00	0.00	0.16	1.00						
	P50HO002	0.17	0.05	0.26	0.10	0.00	0.00	0.26	0.84						
	P50HO003	0.13	0.04	0.86	0.28	0.00	0.00	0.19	1.50						
	P50HO004	0.27	0.08	0.35	0.13	0.00	0.00	0.41	1.24						
	P50HO005	0.27	0.08	1.73	0.55	0.00	0.00	0.42	3.05						
	P50WC001	0.10	0.03	0.54	0.17	0.00	0.00	0.15	0.99						
	P50WC002	0.12	0.04	0.86	0.28	0.00	0.00	0.19	1.49						
	P50WC003	0.49	0.15	0.52	0.20	0.00	0.00	0.76	2.12						
	P50WC004	1.15	0.35	1.52	0.58	0.00	0.00	1.77	5.37						
P55	P55GR001	0.14	0.05	0.18	0.08	0.00	0.00	0.14	0.59						
	P55GR002	0.19	0.07	0.45	0.20	0.00	0.00	0.19	1.10						
	P55GR003	0.76	0.29	2.25	1.01	0.00	0.00	0.78	5.09						
	P55GR004	0.96	0.36	5.40	2.43	0.00	0.00	0.99	10.14						
	P55ML001	0.10	0.04	0.09	0.04	0.00	0.00	0.11	0.38						
	P55ML002	0.15	0.05	0.18	0.08	0.00	0.00	0.15	0.61						
	P55ML003	0.20	0.07	0.72	0.32	0.00	0.00	0.20	1.51						
	P55WC001	0.21	0.08	0.27	0.41	0.00	0.00	0.22	1.19						
	P55WC002	0.26	0.10	0.54	0.59	0.00	0.00	0.26	1.75						
P60	P55WC003	0.27	0.10	0.99	0.82	0.00	0.00	0.28	2.46						
	P60HO001	0.05	0.01	0.32	0.10	0.00	0.00	0.07	0.55						
	P60HO002	0.06	0.02	0.32	0.10	0.00	0.00	0.10	0.60						
	P60HO003	0.11	0.03	0.86	0.28	0.00	0.00	0.17	1.45						
	P60ML001	0.96	0.30	4.10	1.31	0.00	0.00	1.49	8.16						
	P60ML002	1.02	0.32	1.31	0.50	0.00	0.00	1.58	4.73						
P60	P60ML003	1.45	0.45	8.52	2.73	0.00	0.00	2.24	15.39						
	P60ML004	1.87	0.58	2.61	0.99	0.00	0.00	2.89	8.94						

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
P60	P60ML005	2.41	0.74	3.05	1.16	0.00	0.00	3.72	11.08							
	P60ML006	2.51	0.77	2.96	1.12	0.00	0.00	3.86	11.22							
P65	P65HO001	0.10	0.03	0.32	0.10	0.00	0.00	0.15	0.70							
	P65HO002	0.12	0.04	0.32	0.10	0.00	0.00	0.19	0.77							
P70	P70AD001	0.09	0.03	0.22	0.07	0.00	0.00	0.13	0.54							
R10	R10CA001	0.33	0.09	0.00	0.08	0.00	0.00	0.47	0.97	0.40	0.09	0.00	0.08	0.00	0.00	0.64 1.21
	R10CA002	0.02	0.01	0.00	0.00	0.00	0.00	0.03	0.06	0.02	0.01	0.00	0.00	0.00	0.00	0.04 0.07
	R10CA003	0.61	0.17	0.00	0.08	0.00	0.00	0.86	1.72	0.75	0.17	0.00	0.08	0.00	0.00	1.18 2.18
	R10CA004	0.04	0.01	0.00	0.00	0.00	0.00	0.05	0.10	0.04	0.01	0.00	0.00	0.00	0.00	0.07 0.12
	R10CA005	0.99	0.28	0.00	0.08	0.00	0.00	1.41	2.76	1.22	0.28	0.00	0.08	0.00	0.00	1.93 3.51
	R10CA006	0.07	0.02	0.00	0.00	0.00	0.00	0.10	0.19	0.09	0.02	0.00	0.00	0.00	0.00	0.14 0.25
	R10CA007	1.36	0.38	0.00	0.08	0.00	0.00	1.94	3.76	1.68	0.39	0.00	0.08	0.00	0.00	2.65 4.80
	R10CA008	0.07	0.02	0.00	0.00	0.00	0.00	0.10	0.19	0.09	0.02	0.00	0.00	0.00	0.00	0.14 0.25
	R10CA009	2.24	0.62	0.00	0.08	0.00	0.00	3.18	6.12	2.75	0.64	0.00	0.08	0.00	0.00	4.35 7.82
	R10CA010	0.12	0.03	0.00	0.00	0.00	0.00	0.17	0.32	0.15	0.03	0.00	0.00	0.00	0.00	0.24 0.42
	R10CA011	3.70	1.03	0.00	0.10	0.00	0.00	5.26	10.09	4.56	1.05	0.00	0.10	0.00	0.00	7.19 12.90
	R10CA012	3.66	1.02	0.00	0.10	0.00	0.00	5.20	9.98	4.51	1.04	0.00	0.10	0.00	0.00	7.12 12.77
	R10CA013	0.24	0.07	0.00	0.00	0.00	0.00	0.34	0.65	0.29	0.07	0.00	0.00	0.00	0.00	0.46 0.82
	R10CA014	4.17	1.16	0.00	0.16	0.00	0.00	5.92	11.41	5.13	1.19	0.00	0.16	0.00	0.00	8.10 14.58
	R10CA015	3.96	1.10	0.00	0.16	0.00	0.00	5.62	10.84	4.87	1.13	0.00	0.16	0.00	0.00	7.69 13.85
	R10CA016	0.25	0.07	0.00	0.00	0.00	0.00	0.36	0.68	0.31	0.07	0.00	0.00	0.00	0.00	0.49 0.87
	R10CA017	5.86	1.62	0.00	0.21	0.00	0.00	8.32	16.01	7.21	1.67	0.00	0.21	0.00	0.00	11.38 20.47
	R10CA018	5.96	1.65	0.00	0.22	0.00	0.00	8.47	16.30	7.34	1.70	0.00	0.22	0.00	0.00	11.58 20.84
	R10CA019	0.42	0.12	0.00	0.00	0.00	0.00	0.59	1.13	0.51	0.12	0.00	0.00	0.00	0.00	0.81 1.44
	R10CA020	7.84	2.17	0.00	0.23	0.00	0.00	11.13	21.37	9.65	2.23	0.00	0.23	0.00	0.00	15.23 27.34
	R10CA021	7.39	2.05	0.00	0.25	0.00	0.00	10.49	20.18	9.09	2.10	0.00	0.25	0.00	0.00	14.34 25.78
	R10CA022	0.47	0.13	0.00	0.00	0.00	0.00	0.67	1.27	0.58	0.13	0.00	0.00	0.00	0.00	0.91 1.62
	R10FI001	2.20	0.61	0.00	0.09	0.00	0.00	3.13	6.03	2.71	0.63	0.00	0.09	0.00	0.00	4.28 7.71
	R10FI002	3.64	1.01	0.00	0.10	0.00	0.00	5.17	9.92	4.48	1.04	0.00	0.10	0.00	0.00	7.07 12.69
	R10FI003	4.54	1.26	0.00	0.10	0.00	0.00	6.45	12.35	5.59	1.29	0.00	0.10	0.00	0.00	8.82 15.80
	R10FI004	4.63	1.28	0.00	0.20	0.00	0.00	6.57	12.68	5.70	1.32	0.00	0.20	0.00	0.00	8.99 16.21
	R10FI005	5.85	1.62	0.00	0.20	0.00	0.00	8.31	15.98	7.20	1.67	0.00	0.20	0.00	0.00	11.36 20.43
	R10FI006	5.69	1.58	0.00	0.28	0.00	0.00	8.08	15.63	7.00	1.62	0.00	0.28	0.00	0.00	11.05 19.95
R15	R15SO001	5.81	2.45	0.00	0.40	2.17	0.33	6.65	17.81							
	R15SO002	6.12	2.70	0.00	0.45	2.82	0.42	7.09	19.60							
	R15SO003	9.16	3.80	0.00	0.67	3.16	0.47	10.44	27.70							
R30																

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
R30	R30BO001	3.77	1.12	2.29	0.55	0.59	0.09	4.17	12.58							
	R30BO002	7.78	2.29	3.23	0.77	1.14	0.17	8.58	23.96							
	R30BO003	8.30	2.44	3.23	0.77	1.14	0.17	9.14	25.19							
	R30CA001	5.24	1.54	2.41	0.58	0.79	0.12	5.77	16.45							
	R30CA002	5.43	1.57	2.41	0.58	0.65	0.10	5.96	16.70							
	R30FR001	4.19	1.23	2.66	0.64	0.57	0.09	4.61	13.99							
	R30FR002	4.69	1.37	2.66	0.64	0.57	0.09	5.16	15.18							
	R30FR003	5.50	1.61	2.66	0.64	0.72	0.11	6.05	17.29							
	R30FR004	8.91	2.63	3.79	0.91	1.34	0.20	9.83	27.61							
	R30HY001	4.64	1.36	2.54	0.61	0.57	0.09	5.11	14.92							
	R30IG001	3.47	1.03	2.38	0.57	0.57	0.09	3.84	11.95							
	R30IG002	4.14	1.22	2.38	0.57	0.57	0.09	4.56	13.53							
	R30IG003	4.39	1.30	2.51	0.60	0.72	0.11	4.85	14.48							
	R30IG004	4.53	1.36	2.51	0.60	0.83	0.12	5.01	14.96							
	R30IG005	8.34	2.50	3.60	0.86	1.48	0.22	9.23	26.23							
	R30IG006	8.79	2.62	4.92	1.18	1.48	0.22	9.71	28.92							
	R30IN001	4.23	1.25	2.38	0.57	0.60	0.09	4.67	13.79							
	R30IN002	5.46	1.58	2.72	0.65	0.60	0.09	6.00	17.10							
	R30FR005	2.67	0.90	1.57	0.38	0.00	0.00	3.31	8.83							
	R30FR006	3.17	1.06	1.57	0.38	0.00	0.00	3.93	10.11							
	R30FR007	4.70	1.58	2.66	0.64	0.00	0.00	5.83	15.41							
	R30FR008	4.92	1.65	2.66	0.64	0.00	0.00	6.10	15.97							
	R30FR009	5.15	1.73	2.66	0.64	0.00	0.00	6.39	16.57							
	R30FR010	5.38	1.81	2.66	0.64	0.00	0.00	6.67	17.16							
	R30HY002	3.01	1.01	1.50	0.36	0.00	0.00	3.74	9.62							
	R30HY003	3.56	1.20	1.50	0.36	0.00	0.00	4.42	11.04							
	R30HY004	4.38	1.47	2.51	0.60	0.00	0.00	5.43	14.39							
	R30HY005	4.68	1.57	2.51	0.60	0.00	0.00	5.80	15.16							
	R30HY006	5.21	1.75	2.51	0.60	0.00	0.00	6.47	16.54							
	R30HY007	5.52	1.86	2.51	0.60	0.00	0.00	6.85	17.34							
	R30ID001	2.95	0.99	1.38	0.33	0.00	0.00	3.66	9.31							
	R30ID002	3.56	1.20	1.38	0.33	0.00	0.00	4.42	10.89							
	R30ID003	4.74	1.59	2.72	0.65	0.00	0.00	5.88	15.58							
	R30ID004	5.06	1.70	2.72	0.65	0.00	0.00	6.27	16.40							
	R30ID005	5.37	1.81	2.72	0.65	0.00	0.00	6.66	17.21							
	R30ID006	5.71	1.92	2.72	0.65	0.00	0.00	7.09	18.09							
	R30IG007	4.60	1.55	2.38	0.57	0.00	0.00	5.71	14.81							
	R30IG008	4.81	1.62	2.38	0.57	0.00	0.00	5.96	15.34							
	R30IG009	5.15	1.73	2.38	0.57	0.00	0.00	6.38	16.21							
	R30IG010	2.38	0.80	4.20	1.01	0.00	0.00	2.95	11.34							
	R30IG011	2.96	0.99	4.20	1.01	0.00	0.00	3.67	12.83							

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
R30	R30IG012	3.78	1.27	2.51	0.60	0.00	0.00	4.69	12.85						
	R30IG013	4.01	1.35	2.66	0.64	0.00	0.00	4.97	13.63						
	R30IG014	4.40	1.48	2.51	0.60	0.00	0.00	5.47	14.46						
	R30IG015	4.66	1.57	2.51	0.60	0.00	0.00	5.78	15.12						
	R30RS001	0.55	0.19	1.09	0.26	0.00	0.00	0.69	2.78						
	R30RS002	0.78	0.26	1.40	0.34	0.00	0.00	0.96	3.74						
	R30CA003	15.37	5.17	6.58	1.58	0.00	0.00	19.07	47.77						
R40	R30CA004	15.32	5.15	6.58	1.58	0.00	0.00	19.01	47.64						
	R30CA005	22.80	7.66	9.71	2.33	0.00	0.00	28.29	70.79						
	R30CA006	23.86	8.02	9.71	2.33	0.00	0.00	29.60	73.52						
	R30CA007	24.11	8.11	9.71	2.33	0.00	0.00	29.92	74.18						
	R40CA001	2.24	0.62	1.52	0.49	0.00	0.00	2.78	7.65						
	R40CA002	2.04	0.56	1.52	0.49	0.00	0.00	2.53	7.14						
	R40HY001	2.63	0.72	3.88	1.24	0.00	0.00	3.26	11.73						
R45	R40HY002	3.24	0.89	3.88	1.24	0.00	0.00	4.02	13.27						
	R40HY003	3.23	0.89	1.57	0.50	0.00	0.00	4.00	10.19						
	R40HY004	3.83	1.05	1.57	0.50	0.00	0.00	4.75	11.70						
	R40SO001	11.36	3.13	2.18	0.70	0.00	0.00	14.10	31.47						
	R40SO002	11.95	3.29	3.26	1.04	0.00	0.00	14.82	34.36						
	R45BO001	3.37	0.93	1.52	0.49	0.00	0.00	5.76	12.07						
	R45BO002	7.24	1.99	3.22	1.03	0.00	0.00	12.34	25.82						
R45	R45BO003	8.57	2.36	3.22	1.03	0.00	0.00	14.62	29.80						
	R45BO004	9.39	2.59	4.44	1.42	0.00	0.00	16.02	33.86						
	R45BO005	9.92	2.73	4.44	1.42	0.00	0.00	16.92	35.43						
	R45CA001	2.78	0.77	1.44	0.46	0.00	0.00	4.74	10.19						
	R45CA002	3.28	0.90	1.44	0.46	0.00	0.00	5.60	11.68						
	R45CA003	3.77	1.04	2.39	0.77	0.00	0.00	6.43	14.40						
	R45CA004	7.81	2.15	3.05	0.97	0.00	0.00	13.33	27.31						
	R45CA005	7.70	2.12	3.48	1.11	0.00	0.00	13.13	27.54						
	R45CA006	9.82	2.70	3.96	1.27	0.00	0.00	16.75	34.50						
	R45CA007	9.75	2.68	5.44	1.74	0.00	0.00	16.63	36.24						
	R45CA008	11.86	3.26	6.74	2.16	0.00	0.00	20.23	44.25						
	R45DY001	3.72	1.03	1.35	0.43	0.00	0.00	6.35	12.88						
	R45DY002	9.09	2.50	3.13	1.00	0.00	0.00	15.51	31.23						
	R45DY003	11.27	3.10	5.35	1.71	0.00	0.00	19.23	40.66						
	R45DY004	16.54	4.55	9.14	2.92	0.00	0.00	28.22	61.37						
	R45DY005	15.23	4.19	6.70	2.14	0.00	0.00	25.98	54.24						
	R45HY001	9.62	2.65	5.66	1.81	0.00	0.00	16.40	36.14						
	R45HY002	9.66	2.66	4.44	1.42	0.00	0.00	16.47	34.65						

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	TIRE WEAR		RPR	RPR	TOTAL RATE
						TIRE	WEAR							RPR	RPR			
R45	R45ID001	4.10	1.13	1.78	0.57	0.00	0.00	7.00	14.58									
	R45ID002	4.75	1.31	1.78	0.57	0.00	0.00	8.10	16.51									
	R45ID003	10.72	2.95	5.22	1.67	0.00	0.00	18.29	38.85									
	R45IN001	3.05	0.84	1.35	0.43	0.00	0.00	5.20	10.87									
	R45IN002	3.44	0.95	1.35	0.43	0.00	0.00	5.86	12.03									
	R45IN003	3.77	1.04	1.39	0.45	0.00	0.00	6.43	13.08									
	R45IN004	8.34	2.30	3.05	0.97	0.00	0.00	14.23	28.89									
	R45IN005	10.27	2.83	4.87	1.56	0.00	0.00	17.53	37.06									
	R45IN006	10.46	2.88	5.00	1.60	0.00	0.00	17.84	37.78									
	R45IN007	14.30	3.94	6.79	2.17	0.00	0.00	24.40	51.60									
	R45RS001	1.10	0.30	1.94	0.62	0.00	0.00	1.87	5.83									
	R45RS002	2.53	0.70	1.31	0.42	0.00	0.00	4.32	9.28									
	R45TA001	7.46	2.05	3.39	1.09	0.00	0.00	12.72	26.71									
	R45TA002	9.26	2.55	4.44	1.42	0.00	0.00	15.80	33.47									
R50	R50BO001	6.87	1.92	2.22	0.71	0.23	0.03	10.70	22.68									
	R50BO002	6.75	1.89	3.09	0.99	0.25	0.04	10.51	23.52									
	R50BO003	9.60	2.71	5.18	1.66	0.55	0.08	14.97	34.75									
	R50BO004	14.00	3.92	8.09	2.59	0.55	0.08	21.80	51.03									
	R50CA001	5.87	1.63	3.35	1.07	0.13	0.02	9.13	21.20									
	R50CA002	6.58	1.83	3.35	1.07	0.13	0.02	10.22	23.20									
	R50CA003	6.55	1.83	4.44	1.42	0.25	0.04	10.20	24.73									
	R50CA004	8.31	2.32	4.44	1.42	0.25	0.04	12.93	29.71									
	R50CA005	7.61	2.13	4.44	1.42	0.25	0.04	11.84	27.73									
	R50CA006	8.86	2.51	6.74	2.16	0.61	0.09	13.83	34.80									
	R50CA007	10.80	3.04	6.74	2.16	0.61	0.09	16.83	40.27									
	R50CA008	9.49	2.69	6.74	2.16	0.61	0.09	14.81	36.59									
	R50CA009	9.70	2.74	6.31	2.02	0.61	0.09	15.13	36.60									
	R50CA010	10.81	3.05	6.31	2.02	0.61	0.09	16.86	39.75									
	R50DY001	8.20	2.29	4.26	1.36	0.24	0.04	12.75	29.14									
	R50DY002	9.38	2.61	4.26	1.36	0.22	0.03	14.58	32.44									
	R50DY003	9.78	2.77	6.57	2.10	0.70	0.11	15.27	37.30									
	R50DY004	11.75	3.31	6.57	2.10	0.61	0.09	18.31	42.74									
	R50DY005	11.84	3.33	6.57	2.10	0.61	0.09	18.45	42.99									
	R50HY001	6.25	1.92	3.48	1.11	1.34	0.20	9.94	24.24									
	R50HY002	6.73	2.06	3.48	1.11	1.34	0.20	10.68	25.60									
	R50HY003	6.95	2.12	3.48	1.11	1.34	0.20	11.03	26.23									
	R50HY004	7.30	2.21	3.48	1.11	1.34	0.20	11.57	27.21									
	R50HY005	5.86	1.82	4.65	1.49	1.70	0.26	9.33	25.11									
	R50HY006	6.83	2.08	3.57	1.14	1.70	0.26	10.84	26.42									
	R50HY007	7.22	2.02	4.65	1.49	0.20	0.03	11.24	26.85									

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	
R50	R50HY008	7.76	2.17	4.65	1.49	0.23	0.03	12.08	28.41														
	R50HY009	9.20	2.60	6.31	2.02	0.55	0.08	14.35	35.11														
	R50HY010	10.09	2.84	6.31	2.02	0.44	0.07	15.73	37.50														
	R50HY011	10.53	2.97	6.31	2.02	0.55	0.08	16.42	38.88														
	R50HY012	10.89	3.09	6.31	2.02	0.74	0.11	17.00	40.16														
	R50HY013	11.42	3.21	6.31	2.02	0.44	0.07	17.79	41.26														
	R50ID001	7.57	2.12	3.48	1.11	0.25	0.04	11.78	26.35														
	R50ID002	8.27	2.31	3.48	1.11	0.20	0.03	12.87	28.27														
	R50ID003	8.33	2.32	3.48	1.11	0.24	0.04	12.95	28.47														
	R50ID004	9.15	2.55	3.48	1.11	0.20	0.03	14.23	30.75														
	R50ID005	9.10	2.54	5.22	1.67	0.28	0.04	14.16	33.01														
	R50ID006	9.88	2.78	5.22	1.67	0.52	0.08	15.40	35.55														
	R50ID007	10.08	2.81	5.22	1.67	0.22	0.03	15.68	35.71														
	R50ID008	10.71	2.98	5.22	1.67	0.22	0.03	16.66	37.49														
	R50IN001	5.68	1.59	2.35	0.75	0.22	0.03	8.84	19.46														
	R50IN002	6.07	1.70	2.35	0.75	0.22	0.03	9.44	20.56														
	R50TA001	6.59	1.84	3.39	1.09	0.23	0.03	10.25	23.42														
	R50TA002	6.94	1.94	3.39	1.09	0.24	0.04	10.80	24.44														
	R50TA003	7.36	2.05	3.39	1.09	0.23	0.03	11.45	25.60														
	R50TA004	8.86	2.51	5.74	1.84	0.55	0.08	13.82	33.40														
	R50TA005	9.70	2.73	5.74	1.84	0.52	0.08	15.12	35.73														
	R50TA006	9.36	2.64	5.74	1.84	0.55	0.08	14.61	34.82														
	R50TA007	10.07	2.84	5.74	1.84	0.55	0.08	15.71	36.83														
R55	R55AE001	0.92	0.19	0.00	0.50	0.03	0.00	1.10	2.74														
	R55AE002	1.15	0.23	0.00	0.50	0.04	0.01	1.38	3.31														
	R55AE003	1.49	0.31	0.00	0.75	0.08	0.01	1.80	4.44														
	R55AE004	1.80	0.38	0.00	2.00	0.16	0.02	2.18	6.54														
	R55AE005	2.95	0.59	1.65	0.40	0.04	0.01	3.53	9.17														
	R55AE006	3.30	0.66	1.65	0.40	0.04	0.01	3.95	10.01														
	R55AE007	3.71	0.74	1.65	0.40	0.04	0.01	4.44	10.99														
	R55AE008	0.53	0.11	0.58	0.14	0.00	0.00	0.64	2.00														
	R55AE009	0.19	0.04	0.65	0.16	0.00	0.00	0.23	1.27														
	R55AE010	0.34	0.07	1.15	0.28	0.00	0.00	0.40	2.24														
	R55GL001	0.27	0.06	0.00	0.50	0.03	0.00	0.33	1.19														
	R55GL002	0.57	0.12	0.00	0.50	0.03	0.00	0.69	1.91														
	R55GL003	0.81	0.17	0.00	0.75	0.03	0.00	0.98	2.74														
	R55GL004	1.01	0.21	0.00	0.75	0.04	0.01	1.21	3.23														
	R55GL005	3.52	0.69	1.80	0.43	0.00	0.00	4.20	10.64														
	R55GL006	4.22	0.83	1.80	0.43	0.00	0.00	5.04	12.32														
	R55GL007	1.11	0.22	1.29	0.31	0.00	0.00	1.33	4.26														

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	0.26	0.05	0.29	0.07	0.00	0.00	0.31	0.98								
	R55GL009	0.20	0.04	0.58	0.14	0.00	0.00	0.24	1.20								
	R55GL010	0.33	0.06	1.15	0.28	0.00	0.00	0.39	2.21								
	R55GL011	0.34	0.07	1.15	0.28	0.00	0.00	0.40	2.24								
S10	S10CA001	12.64	4.50	5.63	2.25	2.79	0.42	15.06	43.29	15.80	4.61	7.31	2.92	4.63	0.69	20.09	56.05
	S10ID001	11.87	4.26	5.31	2.12	3.11	0.47	14.18	41.32	14.84	4.37	6.89	2.76	5.16	0.77	18.91	53.70
	S10JD001	11.07	3.96	5.79	2.32	2.74	0.41	13.21	39.50	13.84	4.06	7.52	3.01	4.54	0.68	17.62	51.27
	S10CA002	20.22	6.57	8.53	2.73	5.07	0.76	19.55	63.43	25.28	6.75	11.07	3.54	8.42	1.26	26.33	82.65
	S10CA003	28.27	9.27	11.75	3.76	8.25	1.24	27.38	89.92	35.33	9.53	15.24	4.88	13.70	2.06	36.86	117.60
	S10FI001	16.50	5.42	7.37	2.36	4.94	0.74	15.98	53.31	20.62	5.57	9.56	3.06	8.21	1.23	21.52	69.77
	S10FI002	24.93	8.13	10.46	3.35	6.66	1.00	24.12	78.65	31.16	8.36	13.57	4.34	11.07	1.66	32.47	102.63
	S10JD002	16.55	5.44	8.53	2.73	4.94	0.74	16.03	54.96	20.69	5.59	11.07	3.54	8.21	1.23	21.59	71.92
	S15CA001	25.23	8.35	9.47	3.03	8.25	1.24	24.47	80.04	31.54	8.58	12.35	3.95	13.70	2.06	32.94	105.12
S15	S15CA002	40.07	13.21	12.92	4.13	12.55	1.88	38.84	123.60	50.09	13.58	16.83	5.39	20.84	3.13	52.30	162.16
	S15CA003	52.74	17.31	15.79	5.05	15.45	2.32	51.08	159.74	65.92	17.78	20.58	6.58	25.67	3.85	68.77	209.15
	S15FI001	21.70	7.17	9.47	3.03	6.97	1.05	21.04	70.43	27.12	7.37	12.35	3.95	11.58	1.74	28.33	92.44
	S15KM001	41.44	13.52	12.92	4.13	11.17	1.68	40.10	124.96	51.80	13.90	16.83	5.39	18.55	2.78	53.99	163.24
	S15TE001	39.33	13.06	13.78	4.41	13.52	2.03	38.17	124.30	49.16	13.42	17.96	5.75	22.46	3.37	51.39	163.51
	S20CA001	29.30	9.62	13.70	3.56	11.57	1.74	28.38	97.87	36.62	9.89	17.62	4.58	20.09	3.01	38.21	130.02
S20	S20CA002	31.24	10.22	13.70	3.56	11.57	1.74	30.24	102.27	39.05	10.50	17.62	4.58	20.09	3.01	40.72	135.57
	S20CA003	51.53	16.71	21.32	5.54	16.65	2.50	49.81	164.06	64.41	17.17	27.41	7.13	28.91	4.34	67.06	216.43
	S20CA004	53.78	17.40	21.32	5.54	16.65	2.50	51.97	169.16	67.23	17.88	27.41	7.13	28.91	4.34	69.97	222.87
	S20CA005	64.49	20.90	28.93	7.52	20.50	3.08	62.33	207.75	80.61	21.47	37.19	9.67	35.61	5.34	83.92	273.81
	S20CA006	68.65	22.17	28.93	7.52	20.50	3.08	66.31	217.16	85.81	22.78	37.19	9.67	35.61	5.34	89.27	285.67
	S20KM001	46.19	15.08	24.30	6.32	16.65	2.50	44.70	155.74	57.74	15.50	31.24	8.12	28.91	4.34	60.19	206.04
	S20TE001	24.76	8.12	8.77	2.28	9.54	1.43	23.98	78.88	30.95	8.34	11.28	2.93	16.58	2.49	32.28	104.85
	S20TE002	49.66	16.22	22.53	5.86	17.93	2.69	48.05	162.94	62.07	16.66	28.97	7.53	31.15	4.67	64.70	215.75
	S25RM001	5.50	2.42	0.00	1.51	1.76	0.26	6.19	17.64	6.60	2.46	0.00	1.51	2.29	0.34	7.95	21.15
S35	S25RM002	5.74	2.71	0.00	1.51	3.17	0.48	6.56	20.17	6.89	2.75	0.00	1.51	4.14	0.62	8.43	24.34
	S35AR001	0.24	0.07	0.00	0.00	0.00	0.00	0.30	0.61								
S40	S35AR002	0.39	0.11	0.00	0.00	0.00	0.00	0.49	0.99								
	S40BO001	16.85	5.78	11.11	3.11	1.44	0.22	22.59	61.10	21.06	5.93	14.41	4.03	2.47	0.37	31.57	79.84
	S40CA001	15.34	5.31	10.78	3.02	1.26	0.19	20.61	56.51	19.18	5.45	13.99	3.92	1.92	0.29	28.80	73.55
S45	S40CA002	13.81	4.78	10.78	3.02	1.23	0.18	18.55	52.35	17.26	4.90	13.99	3.92	1.95	0.29	25.92	68.23

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
S45	S45DA001	1.32	0.29	0.00	1.10	0.00	0.00	2.10	4.81						
	S45DA002	1.55	0.34	0.00	1.20	0.00	0.00	2.47	5.56						
	S45DA003	1.59	0.35	0.00	1.30	0.00	0.00	2.54	5.78						
T10	T10CA001	0.77	0.26	0.00	0.08	0.00	0.00	0.97	2.08	0.96	0.27	0.00	0.08	0.00	0.00
	T10CA002	0.55	0.19	0.00	0.08	0.00	0.00	0.70	1.52	0.69	0.19	0.00	0.08	0.00	0.00
	T10CA003	0.93	0.32	0.00	0.08	0.00	0.00	1.18	2.51	1.17	0.32	0.00	0.08	0.00	0.00
	T10CA004	0.95	0.32	0.00	0.08	0.00	0.00	1.20	2.55	1.19	0.33	0.00	0.08	0.00	0.00
	T10CA005	1.62	0.55	0.00	0.08	0.00	0.00	2.05	4.30	2.03	0.56	0.00	0.08	0.00	0.00
	T10CA006	1.12	0.38	0.00	0.08	0.00	0.00	1.41	2.99	1.39	0.39	0.00	0.08	0.00	0.00
	T10CA007	1.14	0.38	0.00	0.08	0.00	0.00	1.43	3.03	1.42	0.39	0.00	0.08	0.00	0.00
	T10CA008	1.39	0.47	0.00	0.08	0.00	0.00	1.75	3.69	1.74	0.48	0.00	0.08	0.00	0.00
	T10CA009	1.49	0.50	0.00	0.08	0.00	0.00	1.89	3.96	1.87	0.52	0.00	0.08	0.00	0.00
	T10CA010	1.65	0.56	0.00	0.08	0.00	0.00	2.09	4.38	2.07	0.57	0.00	0.08	0.00	0.00
	T10CA011	1.87	0.63	0.00	0.08	0.00	0.00	2.36	4.94	2.34	0.65	0.00	0.08	0.00	0.00
	T10CA012	2.14	0.72	0.00	0.08	0.00	0.00	2.70	5.64	2.67	0.74	0.00	0.08	0.00	0.00
	T10CA013	2.35	0.79	0.00	0.08	0.00	0.00	2.97	6.19	2.94	0.81	0.00	0.08	0.00	0.00
	T10CA014	2.22	0.75	0.00	0.08	0.00	0.00	2.81	5.86	2.78	0.77	0.00	0.08	0.00	0.00
	T10CA015	2.32	0.78	0.00	0.10	0.00	0.00	2.93	6.13	2.90	0.80	0.00	0.10	0.00	0.00
	T10CA016	2.84	0.96	0.00	0.12	0.00	0.00	3.59	7.51	3.55	0.99	0.00	0.12	0.00	0.00
	T10CA017	3.03	1.02	0.00	0.13	0.00	0.00	3.82	8.00	3.78	1.05	0.00	0.13	0.00	0.00
	T10CA018	2.79	0.94	0.00	0.13	0.00	0.00	3.53	7.39	3.49	0.97	0.00	0.13	0.00	0.00
	T10CA019	0.09	0.03	0.00	0.05	0.00	0.00	0.12	0.29	0.12	0.03	0.00	0.05	0.00	0.00
	T10CA020	2.25	0.76	0.00	0.15	0.00	0.00	2.84	6.00	2.81	0.78	0.00	0.15	0.00	0.00
	T10CA021	3.72	1.26	0.00	0.19	0.00	0.00	4.69	9.86	4.65	1.29	0.00	0.19	0.00	0.00
	T10CA022	3.86	1.30	0.00	0.19	0.00	0.00	4.87	10.22	4.82	1.34	0.00	0.19	0.00	0.00
	T10CA023	2.54	0.86	0.00	0.20	0.00	0.00	3.21	6.81	3.18	0.88	0.00	0.20	0.00	0.00
	T10CA024	5.11	1.73	0.00	0.28	0.00	0.00	6.45	13.57	6.38	1.77	0.00	0.28	0.00	0.00
	T10CA025	5.49	1.86	0.00	0.29	0.00	0.00	6.93	14.57	6.87	1.90	0.00	0.29	0.00	0.00
	T10CA026	7.33	2.48	0.00	0.40	0.00	0.00	9.25	19.46	9.16	2.54	0.00	0.40	0.00	0.00
	T10CA027	7.98	2.70	0.00	0.42	0.00	0.00	10.07	21.17	9.97	2.76	0.00	0.42	0.00	0.00
	T10ID001	1.25	0.42	0.00	0.05	0.00	0.00	1.58	3.30	1.56	0.43	0.00	0.05	0.00	0.00
	T10ID002	1.42	0.48	0.00	0.05	0.00	0.00	1.79	3.74	1.77	0.49	0.00	0.05	0.00	0.00
	T10ID003	2.08	0.70	0.00	0.05	0.00	0.00	2.63	5.46	2.60	0.72	0.00	0.05	0.00	0.00
	T10ID004	2.26	0.77	0.00	0.05	0.00	0.00	2.86	5.94	2.83	0.78	0.00	0.05	0.00	0.00
	T10ID005	2.87	0.97	0.00	0.10	0.00	0.00	3.63	7.57	3.59	1.00	0.00	0.10	0.00	0.00
	T10ID006	3.08	1.04	0.00	0.12	0.00	0.00	3.89	8.13	3.85	1.07	0.00	0.12	0.00	0.00
	T10ID007	3.03	1.02	0.00	0.08	0.00	0.00	3.82	7.95	3.79	1.05	0.00	0.08	0.00	0.00
	T10ID008	3.40	1.15	0.00	0.13	0.00	0.00	4.29	8.97	4.25	1.18	0.00	0.13	0.00	0.00
	T10KM001	0.89	0.30	0.00	0.15	0.00	0.00	1.13	2.47	1.12	0.31	0.00	0.15	0.00	0.00
	T10KM002	0.91	0.31	0.00	0.15	0.00	0.00	1.15	2.52	1.14	0.32	0.00	0.15	0.00	0.00

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS								
		DEPR	CFC	FUEL	POG	TIRE WEAR	TIRE RPR	TOTAL RATE	DEPR	CFC	FUEL	POG	TIRE WEAR	TIRE RPR	TOTAL RATE		
T20	T20CA003	33.37	11.09	14.09	3.95	8.47	1.27	29.47	101.71	41.71	11.38	18.40	5.15	17.75	2.66	39.90	136.95
	T20MC001	25.40	8.33	9.46	2.65	6.11	0.92	22.38	75.25	31.75	8.55	12.35	3.46	12.39	1.86	30.30	100.66
	T20MC002	44.53	15.82	17.92	5.02	16.59	2.49	39.78	142.15	55.66	16.23	23.39	6.55	33.67	5.05	53.86	194.41
T25	T25JD001	1.64	0.45	1.66	0.46	0.46	0.07	1.69	6.43								
	T25JD002	1.81	0.49	2.00	0.56	0.41	0.06	1.86	7.19								
	T25JD003	2.06	0.55	2.26	0.63	0.41	0.06	2.12	8.09								
	T25JD004	2.33	0.62	2.72	0.76	0.38	0.06	2.38	9.25								
T30	T30DW001	0.31	0.09	0.70	0.20	0.04	0.01	0.44	1.79	0.38	0.09	0.92	0.26	0.06	0.01	0.61	2.33
	T30DW002	1.38	0.39	1.40	0.39	0.06	0.01	1.96	5.59	1.70	0.40	1.84	0.51	0.08	0.01	2.68	7.22
	T30DW003	2.80	0.79	2.18	0.61	0.08	0.01	3.98	10.45	3.44	0.81	2.86	0.80	0.12	0.02	5.44	13.49
	T30DW004	2.21	0.62	2.18	0.61	0.08	0.01	3.14	8.85	2.72	0.64	2.86	0.80	0.12	0.02	4.30	11.46
	T30DW005	2.64	0.74	1.10	0.31	0.08	0.01	3.76	8.64	3.25	0.76	1.43	0.40	0.12	0.02	5.15	11.13
	T30DW006	3.93	1.10	1.66	0.46	0.08	0.01	5.59	12.83	4.84	1.13	2.17	0.61	0.12	0.02	7.65	16.54
	T30DW007	4.01	1.14	2.00	0.56	0.24	0.04	5.72	13.71	4.93	1.17	2.62	0.73	0.34	0.05	7.82	17.66
	T30DW008	3.94	1.12	2.00	0.56	0.24	0.04	5.62	13.52	4.84	1.15	2.62	0.73	0.34	0.05	7.68	17.41
	T30DW009	5.21	1.48	2.32	0.65	0.24	0.04	7.43	17.37	6.41	1.52	3.03	0.85	0.34	0.05	10.16	22.36
	T30DW010	8.79	2.60	3.16	0.89	1.22	0.18	12.65	29.49	10.82	2.67	4.13	1.16	1.72	0.26	17.30	38.06
	T30DW011	10.16	2.82	3.70	1.03	0.00	0.00	14.42	32.13	12.51	2.89	4.83	1.35	0.00	0.00	19.72	41.30
	T30VE001	0.74	0.70	1.40	0.39	0.00	0.00	1.05	3.78	0.91	0.21	1.84	0.51	0.00	0.00	1.43	4.90
	T30VE002	2.35	0.68	1.10	0.31	0.20	0.03	3.37	8.04	2.89	0.70	1.43	0.40	0.26	0.04	4.60	10.32
	T30VE003	4.09	1.17	1.69	0.47	0.21	0.03	5.83	13.49	5.03	1.20	2.21	0.62	0.28	0.04	7.98	17.36
	T30VE004	4.67	1.33	1.66	0.46	0.21	0.03	6.67	15.03	5.75	1.37	2.17	0.61	0.28	0.04	9.12	19.34
	T30VE005	9.26	2.57	3.54	0.99	0.00	0.00	13.14	29.50	11.40	2.64	4.62	1.29	0.00	0.00	17.97	37.92
	T30VE006	16.68	4.62	5.48	1.53	0.00	0.00	23.66	51.97	20.53	4.75	7.16	2.00	0.00	0.00	32.35	66.79
T35	T35BG001	12.27	4.15	3.13	0.88	0.00	0.00	17.41	37.84	15.34	4.25	4.09	1.14	0.00	0.00	24.18	49.00
	T35BG002	17.79	6.01	5.01	1.40	0.00	0.00	25.23	55.44	22.23	6.16	6.54	1.83	0.00	0.00	35.05	71.81
	T35BG003	23.45	7.92	5.01	1.40	0.00	0.00	33.26	71.04	29.31	8.12	6.54	1.83	0.00	0.00	46.20	92.00
	T35CT001	12.25	4.14	4.38	1.23	0.00	0.00	17.38	39.38	15.31	4.24	5.72	1.60	0.00	0.00	24.14	51.01
	T35CT002	14.93	5.04	4.38	1.23	0.00	0.00	21.17	46.75	18.66	5.17	5.72	1.60	0.00	0.00	29.41	60.56
	T35CT003	16.81	5.68	5.79	1.62	0.00	0.00	23.85	53.75	21.02	5.83	7.56	2.12	0.00	0.00	33.13	69.66
	T35CT004	14.79	5.00	3.19	0.89	0.00	0.00	20.97	44.84	18.48	5.12	4.17	1.17	0.00	0.00	29.13	58.07
	T35CT005	15.76	5.33	3.19	0.89	0.00	0.00	22.36	47.53	19.71	5.46	4.17	1.17	0.00	0.00	31.06	61.57
	T35CT006	15.00	5.07	3.19	0.89	0.00	0.00	21.28	45.43	18.75	5.20	4.17	1.17	0.00	0.00	29.56	58.85
	T35CT007	16.58	5.61	3.19	0.89	0.00	0.00	23.53	49.80	20.73	5.75	4.17	1.17	0.00	0.00	32.68	64.50
	T35CT008	21.13	7.14	4.70	1.32	0.00	0.00	29.98	64.27	26.42	7.32	6.13	1.72	0.00	0.00	41.64	83.23
	T35CT009	23.60	7.98	4.70	1.32	0.00	0.00	33.48	71.08	29.50	8.18	6.13	1.72	0.00	0.00	46.50	92.03
	T35CT010	24.55	8.30	4.70	1.32	0.00	0.00	34.83	73.70	30.69	8.51	6.13	1.72	0.00	0.00	48.38	95.43
	T35CT011	28.38	9.59	5.48	1.53	0.00	0.00	40.25	85.23	35.47	9.83	7.16	2.00	0.00	0.00	55.91	110.37

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
T40	T40XX001	3.08	0.86	0.00	0.20	0.00	0.00	3.93	8.07						
	T40XX002	4.85	1.35	0.00	0.25	0.00	0.00	6.20	12.65						
	T40XX003	5.08	1.41	0.00	0.25	0.00	0.00	6.49	13.23						
	T40XX004	5.72	1.59	0.00	0.30	0.00	0.00	7.30	14.91						
	T40XX005	6.87	1.91	0.00	0.35	0.00	0.00	8.77	17.90						
	T40XX006	8.10	2.25	0.00	0.40	0.00	0.00	10.34	21.09						
	T40XX007	0.72	0.20	0.00	0.09	0.00	0.00	0.81	1.82						
	T40XX008	1.14	0.32	0.00	0.09	0.00	0.00	1.28	2.83						
	T40XX009	1.16	0.32	0.00	0.09	0.00	0.00	1.29	2.86						
	T40XX010	1.17	0.33	0.00	0.09	0.00	0.00	1.31	2.90						
	T40XX011	0.23	0.07	0.00	0.00	0.00	0.00	0.22	0.52						
	T40XX012	0.24	0.07	0.00	0.00	0.00	0.00	0.23	0.54						
	T40XX013	0.25	0.07	0.00	0.00	0.00	0.00	0.24	0.56						
	T40XX014	0.27	0.08	0.00	0.00	0.00	0.00	0.26	0.61						
	T40XX015	0.30	0.08	0.00	0.00	0.00	0.00	0.28	0.66						
	T40XX016	0.33	0.09	0.00	0.00	0.00	0.00	0.31	0.73						
	T40XX017	0.35	0.10	0.00	0.00	0.00	0.00	0.34	0.79						
	T40XX018	0.38	0.10	0.00	0.00	0.00	0.00	0.36	0.84						
	T40XX019	0.40	0.11	0.00	0.00	0.00	0.00	0.38	0.89						
	T40XX020	0.43	0.12	0.00	0.00	0.00	0.00	0.41	0.96						
	T40XX021	0.38	0.10	0.00	0.00	0.00	0.00	0.36	0.84						
	T40XX022	0.44	0.12	0.00	0.00	0.00	0.00	0.42	0.98						
	T40XX023	0.27	0.08	0.00	0.09	0.00	0.00	0.30	0.74						
	T40XX024	0.32	0.09	0.00	0.09	0.00	0.00	0.35	0.85						
	T40XX025	0.87	0.24	0.00	0.09	0.00	0.00	0.98	2.18						
	T40XX026	0.98	0.27	0.00	0.09	0.00	0.00	1.10	2.44						
	T40XX027	3.30	0.83	0.00	0.13	0.00	0.00	3.45	7.71						
	T40XX028	3.36	0.85	0.00	0.13	0.00	0.00	3.51	7.85						
	T40XX029	3.39	0.86	0.00	0.13	0.00	0.00	3.55	7.93						
	T40XX030	3.44	0.87	0.00	0.13	0.00	0.00	3.60	8.04						
	T40XX031	1.38	0.38	0.00	0.00	0.00	0.00	1.32	3.08						
	T40XX032	1.46	0.41	0.00	0.00	0.00	0.00	1.40	3.27						
	T40XX033	1.55	0.43	0.00	0.00	0.00	0.00	1.49	3.47						
T45	T45XX001	2.38	0.80	0.00	0.09	0.64	0.10	2.53	6.54						
	T45XX002	2.87	0.95	0.00	0.09	0.64	0.10	3.04	7.69						
	T45XX003	2.91	0.97	0.00	0.09	0.64	0.10	3.09	7.80						
	T45XX004	3.41	1.15	0.00	0.09	0.90	0.14	3.62	9.31						
	T45XX005	4.13	1.35	0.00	0.09	0.73	0.11	4.36	10.77						
	T45XX006	7.98	2.82	0.00	0.09	3.26	0.49	8.55	23.19						
	T45XX007	8.97	3.13	0.00	0.09	3.26	0.49	9.59	25.53						

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
T45	T45XX008	3.23	1.06	0.00	0.09	0.64	0.10	3.18	8.30	4.04	1.09	0.00	0.09	0.77	0.12	4.58	10.69
	T45XX009	2.28	0.65	0.00	0.11	0.64	0.10	2.08	5.86								
	T45XX010	2.30	0.65	0.00	0.11	0.64	0.10	2.10	5.90								
	T45XX011	1.43	0.69	0.00	0.09	0.57	0.09	1.39	4.26								
	T45XX012	1.61	0.77	0.00	0.09	0.62	0.09	1.56	4.74								
	T45XX013	1.77	0.84	0.00	0.09	0.64	0.10	1.71	5.15								
	T45XX014	1.99	0.97	0.00	0.13	0.86	0.13	1.94	6.02								
	T45XX015	2.07	1.02	0.00	0.13	0.93	0.14	2.02	6.31								
	T45XX016	2.43	1.17	0.00	0.13	0.96	0.14	2.35	7.18								
	T45XX017	2.53	1.26	0.00	0.13	1.30	0.20	2.49	7.91								
	T45XX018	3.17	1.53	0.00	0.13	1.30	0.20	3.08	9.41								
	T45XX019	3.28	1.58	0.00	0.13	1.30	0.20	3.19	9.68								
	T45XX020	3.81	1.80	0.00	0.17	1.28	0.19	3.68	10.93								
	T45XX021	4.04	1.94	0.00	0.17	1.56	0.23	3.92	11.86								
	T45XX022	4.48	2.15	0.00	0.17	1.74	0.26	4.34	13.14								
	T45XX023	5.03	2.50	0.00	0.17	2.47	0.37	4.93	15.47								
	T45XX024	1.18	0.60	0.00	0.09	0.64	0.10	1.16	3.77								
	T45XX025	1.13	0.57	0.00	0.09	0.64	0.10	1.12	3.65								
	T45XX026	0.73	0.37	0.00	0.10	0.43	0.06	0.72	2.41								
	T45XX027	0.82	0.43	0.00	0.10	0.53	0.08	0.82	2.78								
	T45XX028	0.89	0.46	0.00	0.10	0.58	0.09	0.89	3.01								
	T45XX029	2.41	1.06	1.97	0.00	0.32	0.05	2.72	8.53								
	T45XX030	2.44	1.12	1.97	0.00	0.64	0.10	2.80	9.07								
	T45XX031	2.56	1.18	1.97	0.00	0.64	0.10	2.93	9.38								
	T45HA001	2.04	0.72	0.00	0.50	0.14	0.02	2.67	6.09								
	T45HA002	2.47	0.87	0.00	0.60	0.14	0.02	3.23	7.33								
	T45HA003	3.28	1.16	0.00	0.70	0.22	0.03	4.29	9.68								
T50	T50FO001	1.21	0.34	2.54	0.71	0.17	0.03	1.42	6.42	1.54	0.35	3.34	0.93	0.21	0.03	1.94	8.34
	T50FO002	1.42	0.40	2.54	0.71	0.20	0.03	1.67	6.97								
	T50FO003	1.31	0.37	2.54	0.71	0.23	0.03	1.55	6.74								
	T50FO004	1.61	0.45	2.54	0.71	0.27	0.04	1.90	7.52								
	T50FO005	1.51	0.44	2.54	0.71	0.37	0.06	1.79	7.42								
	T50GM001	0.98	0.28	1.71	0.48	0.18	0.03	1.16	4.82								
	T50GM002	1.18	0.33	1.71	0.48	0.18	0.03	1.39	5.30								
	T50GM003	1.16	0.33	2.78	0.78	0.18	0.03	1.37	6.63								
T50GM	T50GM004	1.65	0.46	3.06	0.86	0.18	0.03	1.94	8.18	2.10	0.48	4.02	1.13	0.23	0.03	2.64	10.63
	T50GM005	1.83	0.51	3.06	0.86	0.21	0.03	2.15	8.65								
	T50GM006	1.29	0.37	4.55	1.27	0.21	0.03	1.52	9.24								
	T50GM007	1.51	0.42	4.55	1.27	0.25	0.04	1.77	9.81								
	T50GM008	1.36	0.38	4.55	1.27	0.21	0.03	1.60	9.40								

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS								
		DEPR	CFC	FUEL	FOG	TIKE WEAR	TIRE RPR	TOTAL RPR	DEPR	CFC	FUEL	FOG	TIKE WEAR	TIRE RPR	TOTAL RPR		
T50	T50GM009	1.58	0.44	4.55	1.27	0.25	0.04	1.86	9.99	2.01	0.46	5.97	1.67	0.32	0.05	2.53	13.01
	T50FO006	2.36	0.77	6.85	2.05	0.51	0.08	2.60	15.22	2.91	0.79	9.13	2.74	0.65	0.10	3.44	19.76
	T50FO007	2.56	0.83	5.62	1.46	0.51	0.08	2.81	13.87	3.16	0.85	7.31	1.90	0.65	0.10	3.73	17.70
	T50FO008	2.56	0.83	6.85	2.05	0.51	0.08	2.81	15.69	3.15	0.85	9.13	2.74	0.65	0.10	3.72	20.34
	T50FO009	2.99	0.96	5.62	1.46	0.51	0.08	3.27	14.89	3.68	0.98	7.31	1.90	0.65	0.10	4.34	18.96
	T50FO010	2.76	0.89	8.89	2.67	0.59	0.09	3.03	18.92	3.39	0.92	11.86	3.56	0.74	0.11	4.01	24.59
	T50FO011	3.23	1.07	5.54	1.44	1.01	0.15	3.57	16.01	3.97	1.10	7.21	1.87	1.29	0.19	4.73	20.36
	T50GM010	2.02	0.66	6.81	2.04	0.51	0.08	2.22	14.34	2.48	0.68	9.08	2.72	0.65	0.10	2.95	18.66
	T50GM011	2.40	0.78	6.81	2.04	0.51	0.08	2.63	15.25	2.95	0.80	9.08	2.72	0.65	0.10	3.49	19.79
	T50GM012	2.67	0.86	4.49	1.17	0.51	0.08	2.93	12.71	3.29	0.88	5.83	1.52	0.65	0.10	3.88	16.15
	T50GM013	2.38	0.78	8.35	2.51	0.59	0.09	2.62	17.32	2.93	0.80	11.14	3.34	0.74	0.11	3.47	22.53
	T50GM014	2.71	0.89	4.49	1.17	0.74	0.11	3.00	13.11	3.34	0.92	5.83	1.52	0.94	0.14	3.97	16.66
	T50IT001	1.94	0.63	4.09	1.06	0.37	0.06	2.13	10.28	2.39	0.64	5.32	1.38	0.47	0.07	2.82	13.09
	T50IT002	2.32	0.74	4.36	1.13	0.37	0.06	2.53	11.51	2.85	0.76	5.66	1.47	0.47	0.07	3.36	14.64
	T50IT003	2.73	0.88	4.75	1.24	0.51	0.08	3.00	13.19	3.36	0.90	6.18	1.61	0.65	0.10	3.97	16.77
	T50FO012	4.91	1.43	12.85	4.11	1.03	0.15	5.01	29.49	6.04	1.47	16.55	5.30	1.33	0.20	7.11	38.00
	T50FO013	6.46	1.88	8.87	2.48	1.26	0.19	6.59	27.73	7.95	1.94	11.40	3.19	1.63	0.24	9.36	35.71
	T50FO014	6.86	2.00	8.87	2.48	1.31	0.20	7.00	28.72	8.45	2.05	11.40	3.19	1.68	0.25	9.93	36.95
	T50FO015	6.35	1.86	8.87	2.48	1.31	0.20	6.48	27.55	7.82	1.91	11.40	3.19	1.68	0.25	9.21	35.46
	T50FO016	5.68	1.67	7.95	2.22	1.31	0.20	5.80	24.83	6.99	1.72	10.22	2.86	1.68	0.25	8.24	31.96
	T50FO017	8.89	2.59	11.09	3.10	1.77	0.27	9.07	36.78	10.94	2.66	14.26	3.99	2.29	0.34	12.87	47.35
	T50FO018	9.37	2.74	8.87	2.48	1.90	0.29	9.56	35.21	11.54	2.81	11.40	3.19	2.44	0.37	13.58	45.33
	T50FO019	8.70	2.55	12.94	3.62	1.90	0.29	8.88	38.88	10.71	2.62	16.63	4.66	2.44	0.37	12.61	50.04
	T50FO020	10.43	3.00	14.78	4.14	1.58	0.24	10.61	44.78	12.84	3.08	19.01	5.32	2.04	0.31	15.06	57.66
	T50GM015	3.75	1.14	12.06	3.86	1.29	0.19	3.86	26.15	4.61	1.17	15.54	4.97	1.67	0.25	5.48	33.69
	T50GM016	4.25	1.27	7.58	2.12	1.29	0.19	4.36	21.06	5.23	1.31	9.74	2.73	1.67	0.25	6.20	27.13
	T50IT004	5.07	1.50	7.95	2.22	1.29	0.19	5.19	23.41	6.24	1.54	10.22	2.86	1.67	0.25	7.37	30.15
	T50IT005	7.31	2.12	8.87	2.48	1.29	0.19	7.45	29.71	9.00	2.18	11.40	3.19	1.67	0.25	10.57	38.26
	T50IT006	8.03	2.31	8.87	2.48	1.29	0.19	8.17	31.34	9.89	2.38	11.40	3.19	1.67	0.25	11.60	40.38
	T50IT007	9.92	2.83	8.87	2.48	1.29	0.19	10.07	35.65	12.21	2.92	11.40	3.19	1.67	0.25	14.30	45.94
	T50KE001	8.56	2.38	9.98	2.79	0.23	0.03	8.64	32.61	10.54	2.45	12.83	3.59	0.29	0.04	12.27	42.01
	T50KE002	9.35	2.59	9.98	2.79	0.23	0.03	9.44	34.41	11.51	2.67	12.83	3.59	0.29	0.04	13.40	44.33
	T50KE003	9.33	2.60	9.98	2.79	0.39	0.06	9.43	34.58	11.49	2.68	12.83	3.59	0.51	0.08	13.38	44.56
	T50KE004	9.60	2.67	9.98	2.79	0.39	0.06	9.70	35.19	11.81	2.75	12.83	3.59	0.51	0.08	13.76	45.33
	T50KE005	9.82	2.73	9.98	2.79	0.39	0.06	9.91	35.68	12.08	2.81	12.83	3.59	0.51	0.08	14.08	45.98
	T50MT001	7.08	2.00	10.16	2.85	0.57	0.09	7.18	29.93	8.72	2.06	13.07	3.66	0.72	0.11	10.19	38.53
	T50MT002	7.80	2.20	11.09	3.10	0.57	0.09	7.89	32.74	9.59	2.26	14.26	3.99	0.72	0.11	11.21	42.14
	T50MT003	7.80	2.20	11.09	3.10	0.57	0.09	7.90	32.75	9.60	2.26	14.26	3.99	0.72	0.11	11.21	42.15
	T50MT004	8.70	2.47	11.09	3.10	0.90	0.14	8.82	35.22	10.71	2.54	14.26	3.99	1.15	0.17	12.52	45.34
	T50MT005	8.35	2.37	10.16	2.85	0.90	0.14	8.47	33.24	10.27	2.44	13.07	3.66	1.15	0.17	12.02	42.78
	T50MT006	8.81	2.50	11.09	3.10	0.90	0.14	8.94	35.48	10.85	2.57	14.26	3.99	1.15	0.17	12.69	45.68

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	
T50	T50MT007	9.30	2.64	10.16	2.85	0.90	0.14	9.43	35.42	11.45	2.71	13.07	3.66	1.15	0.17	13.39	45.60
	T50MT008	9.79	2.77	10.16	2.85	0.90	0.14	9.93	36.54	12.05	2.85	13.07	3.66	1.15	0.17	14.09	47.04
	T50MT009	12.36	3.48	14.78	4.14	1.04	0.16	12.52	48.48	15.21	3.58	19.01	5.32	1.37	0.21	17.77	62.47
	T50MT010	13.77	3.87	14.78	4.14	1.04	0.16	13.94	51.70	16.95	3.98	19.01	5.32	1.37	0.21	19.78	66.62
	T50PE001	6.52	1.88	9.24	2.59	1.06	0.16	6.64	28.09	8.02	1.94	11.88	3.33	1.36	0.20	9.42	36.15
	T50PE002	7.93	2.33	10.53	2.95	1.84	0.28	8.10	33.96	9.76	2.40	13.54	3.79	2.37	0.36	11.50	43.72
	T50PE003	9.56	2.78	11.09	3.10	1.84	0.28	9.75	38.40	11.77	2.86	14.26	3.99	2.37	0.36	13.83	49.44
	T50PE004	9.83	2.85	11.64	3.26	1.84	0.28	10.02	39.72	12.10	2.94	14.97	4.19	2.37	0.36	14.23	51.16
	T50PE005	9.21	2.68	10.53	2.95	1.84	0.28	9.39	36.88	11.33	2.76	13.54	3.79	2.37	0.36	13.33	47.48
T55	T55CA001	23.63	9.08	8.61	2.93	6.60	0.99	22.05	73.89	28.36	9.25	11.35	3.86	11.00	1.65	30.89	96.36
	T55CA002	32.85	12.79	12.44	4.23	11.35	1.70	30.72	106.08	39.42	13.02	16.40	5.58	18.93	2.84	43.03	139.22
	T55CA003	46.90	18.52	16.65	5.66	19.89	2.98	43.96	154.56	56.28	18.87	21.95	7.46	33.16	4.97	61.58	204.27
	T55CA004	20.56	8.04	8.61	2.93	5.42	0.81	19.24	65.61	24.67	8.19	11.35	3.86	9.03	1.35	26.95	85.40
	T55CA005	29.72	12.02	12.44	4.23	11.75	1.76	27.98	99.90	35.67	12.24	16.40	5.58	19.59	2.94	39.20	131.62
	T55CA006	39.26	16.12	16.65	5.66	17.94	2.69	37.07	135.39	47.11	16.42	21.95	7.46	29.91	4.49	51.92	179.26
	T55DJ001	16.56	6.46	4.98	1.69	5.45	0.82	15.49	51.45	19.87	6.58	6.56	2.23	8.93	1.34	21.70	67.21
	T55DJ002	15.45	5.90	4.17	1.42	3.80	0.57	14.40	45.71	18.55	6.01	5.50	1.87	6.33	0.95	20.18	59.39
	T55DJ003	18.10	7.36	4.92	1.67	10.61	1.59	17.06	61.31	21.72	7.50	6.48	2.20	17.68	2.65	23.89	82.12
	T55DJ004	18.20	7.25	4.98	1.69	8.59	1.29	17.09	59.09	21.84	7.39	6.56	2.23	14.32	2.15	23.94	78.43
	T55DJ005	20.68	8.15	4.98	1.69	8.59	1.29	19.38	64.76	24.82	8.31	6.56	2.23	14.32	2.15	27.15	85.54
	T55DJ006	21.04	8.27	4.98	1.69	7.97	1.20	19.71	64.86	25.25	8.43	6.56	2.23	13.13	1.97	27.61	85.18
	T55DJ007	24.57	9.62	7.37	2.51	9.25	1.39	22.99	77.70	29.48	9.80	9.71	3.30	15.42	2.31	32.21	102.23
	T55DJ008	28.72	11.13	8.80	2.99	8.54	1.28	26.84	88.30	34.47	11.34	11.61	3.95	13.99	2.10	37.59	115.05
	T55DJ009	34.30	13.49	8.80	2.99	13.84	2.08	32.13	107.63	41.16	13.75	11.61	3.95	23.08	3.46	45.01	142.02
	T55EU001	15.36	5.93	4.40	1.50	3.26	0.49	14.34	45.28	18.44	6.04	5.80	1.97	5.43	0.81	20.09	58.58
	T55EU002	25.19	9.65	8.61	2.93	6.60	0.99	23.49	77.46	30.23	9.83	11.35	3.86	11.00	1.65	32.91	100.83
	T55EU003	34.96	13.55	12.92	4.39	11.35	1.70	32.67	111.54	41.95	13.81	17.03	5.79	18.93	2.84	45.76	146.11
	T55EU004	42.75	17.23	17.70	6.02	16.34	2.45	40.22	142.71	51.30	17.55	23.34	7.93	27.24	4.09	56.34	187.79
	T55TE001	15.36	5.87	4.29	1.46	4.36	0.65	14.31	46.30	18.43	5.98	5.65	1.92	7.48	1.12	20.05	60.63
	T55TE002	16.26	6.38	4.54	1.54	5.18	0.78	15.22	49.90	19.51	6.50	5.98	2.03	8.88	1.33	21.32	65.55
	T55TE003	17.51	6.86	4.94	1.68	5.44	0.82	16.39	53.64	21.01	6.98	6.51	2.21	9.32	1.40	22.96	70.39
	T55TE004	18.81	7.28	6.20	2.11	5.97	0.90	17.57	58.84	22.57	7.42	8.17	2.78	9.96	1.49	24.61	77.00
	T55TE005	22.79	8.97	6.87	2.34	10.63	1.59	21.35	74.54	27.35	9.14	9.06	3.08	18.22	2.73	29.91	99.49
	T55TE006	22.51	9.02	9.15	3.11	11.35	1.70	21.16	78.00	27.02	9.19	12.06	4.10	18.93	2.84	29.64	103.78
	T55TE007	30.09	12.22	11.87	4.03	12.41	1.86	28.35	100.83	36.11	12.45	15.64	5.32	20.68	3.10	39.71	133.01
	T55TE008	41.42	16.87	16.48	5.60	17.59	2.64	39.05	139.65	49.70	17.19	21.72	7.39	29.32	4.40	54.70	184.42
	T55UN001	34.96	14.39	17.23	5.86	16.34	2.45	33.02	124.25	41.96	14.66	22.71	7.72	27.24	4.09	46.26	164.64
	T55UN002	44.33	17.97	22.97	7.81	17.94	2.69	41.76	155.47	53.20	18.30	30.28	10.29	29.91	4.49	58.49	204.96
	T55UN003	52.08	22.44	30.62	10.41	34.16	5.12	49.61	204.44	62.50	22.86	40.37	13.73	56.96	8.54	69.50	274.46
	T55VO001	10.49	4.14	3.56	1.21	4.24	0.64	9.83	34.11	12.59	4.22	4.69	1.60	7.00	1.05	13.78	44.93

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
T55	T55V0002	13.07	5.17	4.59	1.56	5.64	0.85	12.26	43.14	15.69	5.26	6.06	2.06	9.42	1.41	17.17	57.07
	T55V0003	14.15	5.54	4.59	1.56	5.43	0.81	13.24	45.32	16.98	5.65	6.06	2.06	9.05	1.36	18.55	59.71
	T55V0004	18.12	7.24	6.24	2.12	8.84	1.33	17.03	60.92	21.75	7.38	8.22	2.80	14.74	2.21	23.85	80.95
	T55WA001	25.64	9.81	9.28	3.16	6.60	0.99	23.90	79.38	30.76	10.00	12.24	4.16	11.00	1.65	33.48	103.29
	T55WA002	34.40	13.57	12.92	4.39	14.31	2.15	32.24	113.98	41.28	13.82	17.03	5.79	23.85	3.58	45.17	150.52
	T55WA003	42.83	17.98	17.80	6.05	24.32	3.65	40.60	153.23	51.40	18.32	23.46	7.98	40.87	6.13	56.88	205.04
	T55WA004	56.14	22.64	20.10	6.83	21.58	3.24	52.83	183.36	67.37	23.06	26.49	9.01	35.98	5.40	74.00	241.31
	T55WA005	81.22	32.71	25.84	8.79	30.90	4.64	76.41	260.51	97.46	33.33	34.06	11.58	51.51	7.73	107.03	342.70
T60	T60KI001	10.31	4.43	5.48	1.75	2.00	0.30	12.09	36.36	12.37	4.51	7.16	2.29	2.69	0.40	16.57	45.99
	T60KI002	17.60	7.78	10.34	3.31	5.12	0.77	20.78	65.70	21.12	7.91	13.49	4.32	6.90	1.04	28.48	83.26
	T60KI003	25.22	11.17	14.09	4.51	7.46	1.12	29.78	93.35	30.26	11.35	18.40	5.89	10.05	1.51	40.82	118.28
	T60KI004	25.63	11.33	14.09	4.51	7.46	1.12	30.25	94.39	30.75	11.52	18.40	5.89	10.05	1.51	41.47	119.59
	T60KI005	30.65	13.58	17.23	5.51	9.17	1.38	36.21	113.73	36.78	13.81	22.49	7.20	12.35	1.85	49.63	144.11
	T60KI006	30.99	13.72	17.23	5.51	9.17	1.38	36.59	114.59	37.18	13.95	22.49	7.20	12.35	1.85	50.15	145.17
	T60SO001	18.81	8.27	10.34	3.31	5.12	0.77	22.17	68.79	22.57	8.41	13.49	4.32	6.90	1.04	30.39	87.12
	T60SO002	26.27	11.60	14.09	4.51	7.50	1.13	31.00	96.10	31.52	11.79	18.40	5.89	10.11	1.52	42.49	121.72
	T60SO003	26.70	11.77	14.09	4.51	7.50	1.13	31.49	97.19	32.03	11.96	18.40	5.89	10.11	1.52	43.16	123.07
	T60SO004	32.96	14.64	17.23	5.51	10.12	1.52	38.96	120.94	39.56	14.88	22.49	7.20	13.64	2.05	53.40	153.22
	T60SO005	33.54	14.87	17.23	5.51	10.12	1.52	39.62	122.41	40.24	15.12	22.49	7.20	13.64	2.05	54.30	155.04
W10	W10CE001	19.25	7.75	10.34	3.31	8.64	1.30	19.61	70.20	23.09	7.89	13.49	4.32	14.48	2.17	27.16	92.60
	W10CE002	28.11	11.32	14.09	4.51	11.54	1.73	28.64	99.94	33.73	11.53	18.40	5.89	18.67	2.80	39.67	130.69
	W10CE003	42.37	17.28	20.36	6.51	18.54	2.78	43.27	151.11	50.85	17.60	26.58	8.51	30.67	4.60	59.95	198.76
W15	W15CE001	20.52	8.10	10.34	3.31	7.41	1.11	19.24	70.03	24.62	8.26	13.49	4.32	12.40	1.86	26.94	91.89
W25	W15CE002	28.60	11.75	14.09	4.51	11.17	1.68	27.00	98.80	34.32	11.97	18.40	5.89	18.71	2.81	37.83	129.93
	W25AC001	0.57	0.09	1.25	0.30	0.02	0.00	1.01	3.24								
	W25AC002	0.61	0.10	1.25	0.30	0.02	0.00	1.08	3.36								
	W25AC003	0.88	0.14	2.05	0.49	0.02	0.00	1.55	5.13								
	W25AC004	0.93	0.15	2.05	0.49	0.02	0.00	1.65	5.29								
	W25AN001	0.47	0.07	0.48	0.44	0.00	0.00	0.82	2.28								
	W25AN002	0.73	0.11	0.48	0.44	0.00	0.00	1.29	3.05								
	W25AN003	0.56	0.09	1.25	0.30	0.00	0.00	0.98	3.18								
	W25AN004	0.92	0.14	1.25	0.30	0.00	0.00	1.62	4.23								
	W25HO001	0.32	0.05	0.41	0.12	0.00	0.00	0.57	1.47								
	W25HO002	0.55	0.09	0.60	0.17	0.00	0.00	0.97	2.38								
	W25WE001	3.91	0.86	4.75	2.40	0.04	0.01	7.50	19.47								
	W25WE002	4.25	0.93	7.13	3.60	0.04	0.01	8.16	24.12								
	W25WE003	5.48	1.20	4.20	1.17	0.04	0.01	10.51	22.61								

TABLE 3-5. HOURLY RATE ELEMENT

CAT	ID. NO.	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE
		DEPR	CFC	FUEL	FOG	TIRE	TIRE	TOTAL	DEPR	CFC	FUEL	FOG	TIRE	TIRE		
						WEAR	RPR						WEAR	RPR		
W25	W25WE004	6.48	1.41	14.25	7.20	0.04	0.01	12.44	41.83							
	W25WE005	7.91	1.72	7.38	2.07	0.04	0.01	15.16	34.29							
	W25WE006	8.87	1.94	11.07	3.10	0.10	0.02	17.04	42.14							
	W25WE007	10.19	2.24	10.61	2.97	0.16	0.02	19.57	45.76							
	W25AO001	0.40	0.06	0.10	0.54	0.00	0.00	0.70	1.80							
	W25AO002	0.45	0.07	0.10	0.79	0.00	0.00	0.78	2.19							
	W25AO003	0.65	0.10	0.10	0.79	0.00	0.00	1.14	2.78							
	W25AO004	0.65	0.10	0.19	1.08	0.00	0.00	1.15	3.17							
	W25AO005	1.38	0.21	0.38	1.65	0.00	0.00	2.42	6.04							
	W25AO006	0.91	0.14	0.10	0.79	0.00	0.00	1.59	3.53							
W30	W30SO001	2.15	0.91	0.62	0.16	0.22	0.03	2.15	6.24							
	W30SO002	2.59	1.09	0.62	0.16	0.22	0.03	2.59	7.30							
	W30SO003	2.83	1.18	0.62	0.16	0.22	0.03	2.82	7.86							
	W30SO004	1.45	0.59	0.00	0.01	0.00	0.00	1.20	3.25							
	W30SO005	1.62	0.66	0.00	0.01	0.00	0.00	1.34	3.63							
	W30SO006	1.87	0.76	0.00	0.01	0.00	0.00	1.54	4.18							
W35	W35HO001	0.10	0.04	0.67	0.16	0.00	0.00	0.14	1.11							
	W35HO002	0.14	0.05	1.06	0.25	0.00	0.00	0.20	1.70							
	W35XX001	0.63	0.22	1.06	0.25	0.03	0.00	0.89	3.08							
	W35XX002	0.46	0.16	3.75	0.90	0.03	0.00	0.64	5.94							
	W35XX003	0.68	0.24	1.49	0.36	0.03	0.00	0.95	3.75							
	W35XX004	0.49	0.17	3.75	0.90	0.03	0.00	0.68	6.02							
	W35XX005	0.74	0.27	1.49	0.36	0.06	0.01	1.05	3.98							
	W35XX006	0.53	0.19	6.26	1.50	0.03	0.00	0.74	9.25							
	W35XX007	0.81	0.29	2.51	0.60	0.06	0.01	1.15	5.43							
	W35XX008	0.68	0.24	6.64	1.59	0.03	0.00	0.95	10.13							
	W35XX009	0.34	0.08	1.20	0.48	0.00	0.00	0.30	2.40							
	W35XX010	0.41	0.10	1.50	0.60	0.00	0.00	0.35	2.96							
	W35XX011	0.35	0.08	0.60	0.24	0.00	0.00	0.30	1.57							
	W35XX012	0.36	0.09	1.20	0.48	0.00	0.00	0.31	2.44							
	W35XX013	0.16	0.04	1.14	0.46	0.00	0.00	0.14	1.94							
	W35XX014	0.21	0.05	1.44	0.58	0.00	0.00	0.18	2.46							
	W35XX015	0.55	0.13	1.80	0.72	0.00	0.00	0.47	3.67							
	W35XX016	0.97	0.23	2.52	1.01	0.00	0.00	0.83	5.56							
	W35XX017	0.08	0.02	1.14	0.46	0.00	0.00	0.06	1.76							
	W35XX018	0.24	0.06	1.44	0.58	0.00	0.00	0.21	2.53							

APPENDIX A

REFERENCES

1. "FAR 31.105 Construction and Architect-Engineer Contracts", Federal Acquisition Regulation, Government Printing Office, Washington, D.C., 1990.
2. "FAR 31.205-10 Cost of Money", Federal Acquisition Regulation, Government Printing Office, Washington, D.C., 1990.
3. "FAR 31.205-24 Maintenance and Repair Costs", Federal Acquisition Regulation, Government Printing Office, Washington, D.C., 1990.
4. "Part 414 - Cost Accounting Standard - Cost of Money as an Element of the Cost of Facilities Capital", Defense Procurement Circular (DPC) #76-2, Government Printing Office, Washington, D.C., August 1976.
5. Producer Prices and Price Indexes, U. S. Department of Labor, Bureau of Labor Statistics, Government Printing Office, Washington, D.C., 1957 through 1990.
6. Application Manual for Hydraulic Excavators and Shovels, 1st ed, Koehring Company, Milwaukee, Wisconsin, 1981.
7. Bulletin B-502, Goodyear Tire and Rubber Company, Akron, Ohio, October 1990.
8. Caterpillar Performance Handbook, 21st ed, Caterpillar Tractor Company, Peoria, Illinois, 1990.
9. Earthmoving Principles, International Harvester, Pay Line Division, Schaumburg, Illinois, 1975.
10. Euclid Hauler Handbook, 14th ed, Euclid, Inc., Cleveland, Ohio, 1981.
11. Fundamentals of Earthmoving, Caterpillar Tractor Company, Peoria, Illinois, 1975.
12. Green Guide for Off-Highway Trucks and Trailers, Dataquest, Inc., Palo Alto, California, 1988, 1989, and 1990.
13. Green Guide Volume I, Dataquest, Inc., Palo Alto, California, 1988, 1989, and 1990.

REFERENCES (Continued)

14. Green Guide Volume II, Dataquest, Inc., Palo Alto, California, 1988, 1989, and 1990.
15. Handbook of Heavy Construction, Haver, J. A., and F. W. Stubbs Jr., 2nd ed, McGraw-Hill Company, New York, 1971.
16. Means 1991 Labor Rates for the Construction Industry, 18th ed, R. S. Means Company, Inc., Kingston, Massachusetts, 1991.
17. Moving the Earth, Nichols, H. L., Jr., 3rd ed, North Castle Books, Greenwich, Connecticut, 1976.
18. Operating Cost Guide, Power Crane and Shovel Association, Milwaukee, Wisconsin, 1976.
19. Owning and Operating Costs, Fiat-Allis Construction Machinery, Inc., Springfield, Illinois, 1983.
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:	6.50 %
Working Hours Per Year:	1,700 Hrs/Yr
Labor Adjustment Factor (LAF):	1.160
Electricity Cost Per Kilowatt-Hour:	\$ 0.100 /Kw-Hr
Gasoline Cost Per Gallon:	\$ 1.160 /Gal.
Diesel Cost Per Gallon (Off-Road Use):	\$ 0.870 /Gal.
Diesel Cost Per Gallon (On-Road Use):	\$ 1.320 /Gal.
Cost-of-Money Rate (Undiscounted):	8.375 %
Cost-of-Money Rate (Discounted):	6.700 %
Freight Rates:	
0	thru 24,000 lbs. \$ 16.800 /Cwt.
over 24,000	thru 30,000 lbs. \$ 14.850 /Cwt.
over 30,000	thru 44,000 lbs. \$ 12.250 /Cwt.
over 44,000	thru 60,000 lbs. \$ 9.550 /Cwt.
over 60,000	thru 70,000 lbs. \$ 8.000 /Cwt.
over 70,000	thru 80,000 lbs. \$ 7.450 /Cwt.
over 80,000	thru 9,999,900 lbs. \$ 7.100 /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 conditions; dry floor, little impact or sliding on undercarriage.	Extremely abrasive tough materials, lifting near rated capacity, impact breakout. Continuous loading in in poorly-shot rock, lightly-blasted tight banks, e.g., shales, cemented gravels, caliches, etc. Adverse underfoot conditions: rough floors; high impact sliding on undercarriage.
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, continuous 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 mainten- ance with medium to heavy winter snow removal. Elevating grader use.	Maintenance of hard packed roads with embedded rock. Heavy fill spread- ing. Ripping- scarifying of asphalt or con- crete. Continuous high load factor. High impact.
Depreciation Period	12,000 Hrs.	10,000 Hrs.
Loader Backhoes, Crawler or Wheel Mounted	Utility applications in medium to heavy soil. Occasional use of constant flow im- plements. Dig depths to 3.05m (10 ft.)	Production applica- tions or digging in rock. Regular use of constant flow im- plements. 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 con- ditions: 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	EX	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	0.000	.000	.000	.00	.24	.24	.97	.69	.99	.75
A10 .20		TOWED & TAILGATE	10	A	B	6,000	.20	0	0.000	.000	.000	0	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	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	0.000	.000	.000	0	0.000	.000	.000	.00	.00	.00	.00	.00	.00	1.50
A20 .20		BLAST HOSE	5	A	B	3,500	.10	0	0.000	.000	.000	0	0.000	.000	.000	.00	.00	.00	.00	.00	.00	1.65
A20 .30		SANDBLASTERS & BREAKERS	5	A	B	4,000	.20	65	.650	.067	.036	0	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	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	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	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	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	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	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	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	0.000	.000	.000	.00	.32	.28	.00	.00	.90	.90
B25 .00		BUCKETS, CLAMSHELL	15	A	B	10,000	.15	0	0.000	.000	.000	0	0.000	.000	.000	.00	.00	.00	.00	.00	.00	.70
B25 .00			15	S	B	8,000	.15	0	0.000	.000	.000	0	0.000	.000	.000	.00	.00	.00	.00	.00	.00	.80
B30 .00		BUCKETS, CONCRETE																				
B30 .10		GENERAL PURPOSE, MANUAL	15	A	B	10,000	.20	0	0.000	.000	.000	0	0.000	.000	.000	.00	.00	.00	.00	.00	.00	.70
B30 .20		LAYDOWN	15	A	B	10,000	.20	0	0.000	.000	.000	0	0.000	.000	.000	.00	.00	.00	.00	.00	.00	.75
B30 .30		LOWBOY	15	A	B	10,000	.20	0	0.000	.000	.000	0	0.000	.000	.000	.00	.00	.00	.00	.00	.00	.80
B30 .40		LOW SLUMP	15	A	B	10,000	.20	0	0.000	.000	.000	0	0.000	.000	.000	.00	.00	.00	.00	.00	.00	.80
B35 .00		BUCKETS, DRAGLINE																				
B35 .10		LIGHT WEIGHT	15	A	B	8,000	.15	0	0.000	.000	.000	0	0.000	.000	.000	.00	.00	.00	.00	.00	.00	.70
B35 .10			15	S	B	6,500	.15	0	0.000	.000	.000	0	0.000	.000	.000	.00	.00	.00	.00	.00	.00	.80
B35 .20		MEDIUM WEIGHT	15	A	B	9,000	.15	0	0.000	.000	.000	0	0.000	.000	.000	.00	.00	.00	.00	.00	.00	.70
B35 .20			15	S	B	7,000	.15	0	0.000	.000	.000	0	0.000	.000	.000	.00	.00	.00	.00	.00	.00	.80
B35 .30		HEAVY WEIGHT	15	A	B	10,000	.15	0	0.000	.000	.000	0	0.000	.000	.000	.00	.00	.00	.00	.00	.00	.70
B35 .30			15	S	B	8,000	.15	0	0.000	.000	.000	0	0.000	.000	.000	.00	.00	.00	.00	.00	.00	.80
C05 .00		CHAIN SAWS	95	A	B	4,000	.15	90	.900	.093	.050	0	0.000	.000	.000	.45	.32	.38	.00	.00	.00	2.50
C10 .00		COMPACTORS, MANUALLY OPERATED	95	A	B	5,000	.20	90	.900	.093	.050	0	0.000	.000	.000	.45	.24	.24	.00	.00	.85	1.20
C15 .00		CONCRETE BLASTERS	95	A	B	6,000	.20	70	.700	.072	.039	0	0.000	.000	.000	.50	.32	.28	.00	.00	.90	.90
C20 .00		CONCRETE BUGGIES	95	A	B	5,000	.20	70	.700	.072	.039	0	0.000	.000	.000	.50	.32	.28	.00	.66	.90	.70
C25 .00		CONCRETE FINISHERS	95	A	B	5,000	.20	70	.700	.072	.039	0	0.000	.000	.000	.50	.32	.28	.00	.00	.90	.80
C30 .00		CONCRETE GRINDERS	95	A	B	5,000	.20	70	.700	.072	.039	0	0.000	.000	.000	.50	.32	.28	.00	.00	.90	.90
C35 .00		CONCRETE GUNITERS/SHOTCRETTERS	95	A	B	7,000	.15	75	.750	.078	.042	0	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	20	A	B	14,000	.15	75 .750	.078	.042	0 .000	.000 .000	.00	.32	.30	.89	.71	.90	.80			
C75 .00	CRANES, HYDRAULIC, SELF-PROP.																				
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			

EP-110-1
JULY 1981

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

))))

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	
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	45	A	B	8,000	.15	70 .700 .072 .039	0 .000 .000 .000	.00 .32 .42	.70 .42 .00	.80										
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	H	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	TYPE OF EQUIPMENT	EK	C	DC	LIFE	SLV	HPF	FUEL FACTOR EQUIPMENT			FUEL FACTOR CARRIER			FOG			TIRE WEAR FACTORS			RPR
								E	G	D	HPF	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									

)))

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
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	0 .000 .000 .000	.45	.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	0 .000 .000 .000	.45	.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	0 .000 .000 .000	.45	.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	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	0 .000 .000 .000	.59	.33	.65	.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	0 .000 .000 .000	.39	.19	.43	.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	0 .000 .000 .000	.59	.33	.65	.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	0 .000 .000 .000	.39	.19	.43	.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	0 .000 .000 .000	.59	.33	.65	.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	0 .000 .000 .000	.39	.19	.43	.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	0 .000 .000 .000	.59	.33	.65	.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	0 .000 .000 .000	.39	.19	.43	.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	0 .000 .000 .000	.65	.00	.72	.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	0 .000 .000 .000	.50	.00	.55	.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	0 .000 .000 .000	.59	.33	.65	.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	0 .000 .000 .000	.59	.33	.65	.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	0 .000 .000 .000	.39	.19	.43	.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	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	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	0 .000 .000 .000	.00	.00	.00	.00	.00	.00	.90		
T15 .00	TRACTORS, CRAWLER (DOZER)																			
T15 .00	(PER UNIT FOR TANDEM TRACTORS)		B																	
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0 .000 .000 .000	.00	.00	.00	.00	.00	.00	.80		

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

CATEGORY SUB	TYPE OF EQUIPMENT	EK	C	DC	LIFE	SLV	FUEL FACTOR EQUIPMENT			FUEL FACTOR CARRIER			FOG			TIRE WEAR FACTORS			RPR	
							HPF	E	G	D	HPF	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																			
T40 .41	ELECTRIC DRIVE	95	A	B	8,000	.20	65 .650	.067	.036		0 .000	.000	.000	.45	.32	.32	.00	.00	.00	.70
T40 .50	TRANSIT MIXERS	95	A	B	8,000	.15	65 .650	.067	.036		0 .000	.000	.000	.45	.32	.32	.00	.00	.00	.70
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	.65	.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	
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

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

D-9

ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT

EK	EQUIPMENT DIVISIONS	YEAR PURCHASE NEW																		
		AGE IN YEARS			1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
5	Air Equipment	N/A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
10	Asphalt & Concrete Paving Equipment	2060	1956	1888	1801	1730	1720	1733	1683	1695	1668	1563	1630	1521	1354	1295	1186	1165	1028	
15	Buckets	3032	2961	2867	2793	2730	2687	2687	2611	2583	2620	2461	2296	2111	1941	1815	1686	1610	1451	
20	Cranes, Draglines & Clamshells - Crawler & Truck Mounted Drills	5864	5644	5314	4872	4767	4713	4640	4527	4471	4541	4313	3879	3280	2963	2738	2520	2175	1838	
25	Generators	4415	4149	3967	3688	3595	3485	3395	3339	3282	3213	3009	2782	2512	2301	2138	2010	1843	1522	
30	Graders, Motor Loaders, Track Loaders, Wheel	4273	4113	3998	3773	3575	3514	3510	3400	3314	3236	3160	2817	2390	2301	2128	2053	1839	1456	
35	Loaders, Wheel	4498	4359	4219	4010	3914	3759	3738	3645	3643	3561	3276	2992	2687	2492	2259	2109	1956	1604	
40	Pile Driving Equipment	4674	4560	4404	4163	3918	3770	3767	3791	3792	3655	3349	3061	2750	2482	2247	2053	1916	1573	
45	Rollers	4712	4535	4409	4235	4099	3991	3973	3944	3873	3788	3441	2938	2606	2375	2156	2002	1907	1584	
50	Scrapers and Soil Stabilizers	4349	4186	4029	3845	3745	3668	3626	3570	3519	3439	3208	2894	2562	2329	2135	1899	1852	1523	
55	Shovels, Backhoes & Hydraulic Excavators	4753	4633	4507	4412	4217	4151	4090	3926	3744	3431	3199	2913	2653	2396	2139	1983	1872	1556	
60	Tractors, Crawlers & Attachments	4498	4359	4219	4010	3914	3759	3738	3645	3643	3561	3276	2992	2687	2492	2259	2109	1956	1604	
65	Tractors, Tractors, Wheel	4232	4149	3967	3688	3595	3485	3395	3339	3282	3213	3009	2782	2512	2301	2138	2010	1843	1522	
70	Tractors, Trenchers	4706	4560	4404	4163	3918	3770	3767	3791	3792	3655	3349	3061	2750	2482	2247	2053	1916	1573	
75	Trucks, Highway	4232	4125	4018	3936	3862	3820	3818	3656	3557	3530	3256	2927	2578	2319	2125	1956	1843	1498	
80	Trucks & Wagons	5076	4900	4753	4679	4600	4586	4488	4431	4360	4097	3618	3153	2772	2580	2300	1894	1633	1527	
85	Off-Highway	3684	3546	3495	3363	3299	3282	3139	3055	2934	2824	2638	2324	2108	1934	1775	1646	1524	1369	
90	All Other Equip.	4880	4621	4405	4094	3915	3840	3822	3786	3744	3662	3363	2964	2588	2364	2196	2081	1965	1568	
95	All Tires & Tubes	4349	4186	4029	3845	3745	3668	3626	3570	3519	3439	3208	2894	2562	2329	2135	1989	1852	1523	
100	Marine Equipment	2566	2470	2480	2399	2322	2340	2374	2421	2453	2552	2506	2369	2055	1792	1699	1615	1485	1334	
105		4438	4271	4091	3920	3886	3863	3749	3633	3497	3391	3239	2922	2587	2352	2156	2008	1870	1538	

ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT (Continued)

EQUIPMENT DIVISIONS	EK	YEAR PURCHASE NEW												/1967 = 1000					
		1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960	1959	1958	1957	
		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 Cranes, Draglines & Clamshells - Crawler & Truck Mounted	1430	1370	1316	1188	1062	1025	1000	1000	967	930	978	971	953	950	960	1020	1014		
20 Drills	1305	1260	1212	1147	1090	1049	1000	967	930	914	890	868	862	859	841	817	795		
25 Generators	1249	1184	1160	1115	1052	1037	1000	993	971	914	904	904	901	852	851	798	737		
30 Graders, Motor	1316	1293	1243	1188	1089	1029	1000	947	924	916	901	892	932	1007	987	936			
35 Loaders, Track	1361	1244	1208	1152	1101	1053	1000	975	951	923	903	877	869	872	866	829	802		
40 Loaders, Wheel	1329	1219	1184	1135	1100	1079	1000	956	936	914	882	861	857	840	817	786	748		
45 Pile Driving Equipment	1362	1317	1261	1197	1144	N/A	N/A	N/A	N/A										
50 Rollers	1307	1257	1218	1159	1104	N/A	N/A	N/A	N/A										
55 Scrapers and Soil Stabilizers	1328	1279	1230	1178	1082	1049	1000	962	936	908	903	900	885	874	819	749	706		
60 Shovels, Backhoes & Hydraulic Excavators	1361	1244	1208	1152	1101	1053	1000	975	951	923	903	877	869	872	866	829	802		
65 Tractors, Crawlers & Attachments	1305	1260	1212	1147	1090	1049	1000	967	930	914	890	868	862	859	841	817	795		
70 Tractors, Crawler 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	1006	986	945			
90 Trucks & Wagons	1315	1293	1245	1190	1135	N/A	N/A	N/A	N/A										
95 Off-Highway	1307	1257	1218	1159	1104	1057	1000	965	936	912	890	875	873	859	841	812	782		
100 All Other Equip.	1114	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
105 All Tires & Tubes	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 ⁽¹⁾	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

⁽¹⁾ TT = Tube-Type Tires, TL = Tubeless Tires

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE ⁽¹⁾	COST (\$) PER EACH
TIRE GROUP: LT TRUCK					
SUPER HI-MILER					
	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
	1400-24	14.00 x 24.00	20	TT	795
RIB HI-MILER LP TRAILER					
	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
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
TRACKER LT II					
	7-15	7.00 x 15.00	6	TL	102
	7-15	7.00 x 15.00	8	TL	107

⁽¹⁾ TT = Tube-Type Tires, TL = Tubeless Tires

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE ⁽¹⁾	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

⁽¹⁾ TT = Tube-Type Tires, TL = Tubeless Tires

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE ⁽¹⁾	COST (\$) PER EACH
TIRE GROUP: COMMERCIAL - OVER THE ROAD					
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

⁽¹⁾ TT = Tube-Type Tires, TL = Tubeless Tires

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE ⁽¹⁾	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

⁽¹⁾ TT = Tube-Type Tires, TL = Tubeless Tires

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE ⁽¹⁾	COST (\$) PER EACH
TIRE GROUP: FARM TIRES					
POWER TORQUE REAR TRACTOR R-1					
	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
ALL WEATHER REAR TRACTOR R-3					
	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
INDUSTRIAL SURE GRIP R-4					
	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

⁽¹⁾ TT = Tube-Type Tires, TL = Tubeless Tires

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE ⁽¹⁾	COST (\$) PER EACH
TIRE GROUP: FARM TIRES					
INDUSTRIAL SURE GRIP R-4					
	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
LOGGER LUG STEELGARD LS-2					
	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
TRACTION TORQUE REAR TRACTOR R-1					
	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
SINGLE RIB FRONT TRACTOR F-1					
	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
FARM SERVICE I-1					
	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

⁽¹⁾ TT = Tube-Type Tires, TL = Tubeless Tires

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE ⁽¹⁾	COST (\$) PER EACH
TIRE GROUP: FARM TIRES					
FARM SERVICE I-1					
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	
IMPLEMENT RIB I-1					
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	

⁽¹⁾ TT = Tube-Type Tires, TL = Tubeless Tires

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE ⁽¹⁾	COST (\$) PER EACH
TIRE GROUP: FARM TIRES					
IMPLEMENT RIB I-1					
	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
LABORER F-3					
	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
SMOOTH					
	169-30	16.90 x 30.00	6	TL	935
ALL SERVICE SUPER SINGLE					
	15-195	15.00 x 19.50	14	TL	480
	18-195	18.00 x 19.50	16	TL	769
INDUSTRIAL TORQUE R-4					
	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
DYNA TORQUE II REAR TRACTOR R-1					
	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

⁽¹⁾ TT = Tube-Type Tires, TL = Tubeless Tires

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE ⁽¹⁾	COST (\$) PER EACH
TIRE GROUP: FARM TIRES					
DYNA TORQUE II REAR TRACTOR R-1					
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	

⁽¹⁾ TT = Tube-Type Tires, TL = Tubeless Tires

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE ⁽¹⁾	COST (\$) PER EACH
TIRE GROUP: FARM TIRES					
DYNA TORQUE II REAR TRACTOR R-1					
	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
SUPER RIB FRONT TRACTOR					
	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

⁽¹⁾ TT = Tube-Type Tires, TL = Tubeless Tires

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE ⁽¹⁾	COST(\$) PER EACH
TIRE GROUP: SPECIALTY/INDUSTRIAL TIRES					
CAMPER-TRAILER TIRES					
	500-12	5.00 x 12.00	4	TT	60
XTRA TRACTION MINE & INDUSTRIAL					
	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
HARD ROCK LUG MINE & INDUSTRIAL					
	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
PRESSED ON INDUST. TIRES XTRA CUSHION SMOOTH					
	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

⁽¹⁾ TT = Tube-Type Tires, TL = Tubeless Tires

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE ⁽¹⁾	COST (\$) PER EACH
TIRE GROUP: SPECIALTY/INDUSTRIAL TIRES					
PRESSED ON INDUST. TIRES XTRA CUSHION SMOOTH					
	14-412-8	x			83
	22-8-16	x			208
	1512-6-10	x			93
	10-4-5	x			65
INDUSTRIAL TERRA SOF-TRAC					
	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
SURE GRIP-XTRA TRACTION TERRA					
	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
COMPACTOR SMOOTH FLAT TREAD					
	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
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

⁽¹⁾ TT = Tube-Type Tires, TL = Tubeless Tires

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE ⁽¹⁾	COST (\$) PER EACH
TIRE GROUP: SPECIALTY/INDUSTRIAL TIRES					
E-3 HARD ROCK LUG					
	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
E-3 HARD ROCK LUG 8					
	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
E-3 SUPER HARD ROCK LUG					
	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
E-3 SUPER HARD ROCK LUG 8					
	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
E-4 HARD ROCK LUG XTRA-TRED 8					

⁽¹⁾ TT = Tube-Type Tires, TL = Tubeless Tires

EP 1110-1-8
 (Vol. 7)
 30 Aug 91

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE ⁽¹⁾	COST (\$) PER EACH
TIRE GROUP: SPECIALTY/INDUSTRIAL TIRES					
E-4 HARD ROCK LUG XTRA-TRED 8					
	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
E-7 EARTHMOVER ALL WEATHER					
	1800-25	18.00 x 25.00	40	TT	2,136
G-3 ROCK GRADER					
	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
L-4 SUPER HARD ROCK LUG D&L XT / HRL DL 5A					
	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
L-4 NYLOSTEEL XTRA TRED D&L 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
L-4S,5S SMOOTH SUPER XT D&L					
	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
SURE GRIPLOADER SUPER SINGLE					
	1500-195	15.00 x 19.50	12	TL	723
LOADER SERVICE					
	57-12	5.70 x 12.00	4	TL	72

⁽¹⁾ TT = Tube-Type Tires, TL = Tubeless Tires

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE ⁽¹⁾	COST (\$) PER EACH
TIRE GROUP: SPECIALTY/INDUSTRIAL TIRES					
MATERIAL HANDLING -XTRA TRACTION					
	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
SURE GRIP LUG SUPER SINGLE					
	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
SUPER TERRA GRIP					
	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
SURE GRIP LUG					
	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
CUSHION-FLAT TREAD TYPE					
	812-4-4	x		TL	52
	9-5-5	x		TL	53
	10-312-6	x		TL	55
	10-5-612	x		TL	55

⁽¹⁾ TT = Tube-Type Tires, TL = Tubeless Tires

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TYPE ⁽¹⁾	COST (\$) PER EACH
TIRE GROUP: SPECIALTY/INDUSTRIAL TIRES					
CUSHION-FLAT TREAD TYPE					
	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

⁽¹⁾ TT = Tube-Type Tires, TL = Tubeless Tires

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE ⁽¹⁾	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

⁽¹⁾ TT = Tube-Type Tires, TL = Tubeless Tires

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TIRE ⁽¹⁾	COST (\$) PER EACH
TIRE GROUP: MED.HVY COMMERCIAL - OFF ROAD					
E-3 HARD ROCK LUG 3F					
	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
E-3 HARD ROCK LUG 8					
	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
E-3 SUPER HARD ROCK LUG					
	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
E-3 SUPER HARD ROCK LUG 8					
	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

⁽¹⁾ TT = Tube-Type Tires, TL = Tubeless Tires

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE ⁽¹⁾	COST (\$) PER EACH
TIRE GROUP: MED.HVY COMMERCIAL - OFF ROAD					
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
E-7 SAND RIB					
	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
G-1 GRADER RIB					
	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
G-3 ROCK GRADER					
	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
L-2 SURE GRIP LUG XTRA TRED DOZER & LOADER					
	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
L-3 SUPER HARD ROCK LUG D&L					
	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
L-4 SUPER HARD ROCK LUG D&L XT / HRL DL 5A					
	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

⁽¹⁾ TT = Tube-Type Tires, TL = Tubeless Tires

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE ⁽¹⁾	COST (\$) PER EACH
TIRE GROUP: MED.HVY COMMERCIAL - OFF ROAD					
L-4 SUPER HARD ROCK LUG D&L XT / HRL DL 5A					
295-29	29.50 x 29.00	28	TL	6,525	
3325-35	33.25 x 35.00	32	TL	9,530	
L-4 NYLOSTEEL XTRA TRED D&L 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	
L-5 SUPER XTRA TRED D&L					
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	
L-5 NYLOSTEEL SUPER XTRA TRED D&L 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	
HIGHLANDER					
HIGHLANDER	570-8	5.70 x 8.00	6	TL	49
HIGHLANDER CT					
HIGHLANDER CT	570-8	5.70 x 8.00	4	TL	47
HIGHLANDER CT	570-8	5.70 x 8.00	8	TT	65
HIGHLANDER CT	570-8	5.70 x 8.00	6	TL	52
HIGHLANDER CT	690-9	6.90 x 9.00	6	TL	89
HIGHLANDER CT	690-9	6.90 x 9.00	10	TT	129
HIGHLANDER CT	480-12	4.80 x 12.00	4	TL	45
HIGHLANDER CT	480-12	4.80 x 12.00	6	TL	52
HIGHLANDER CT	530-12	5.30 x 12.00	4	TL	54
HIGHLANDER CT	530-12	5.30 x 12.00	6	TL	61
E-4 HARD ROCK LUG 4B					
E-4 HARD ROCK LUG 4B	1600-25	16.00 x 25.00	24	TL	1,836
E-4 HARD ROCK LUG 4B	1600-25	16.00 x 25.00	28	TL	1,930
E-4 HARD ROCK LUG 4B	1800-25	18.00 x 25.00	28	TL	2,705
E-4 HARD ROCK LUG 4B	1800-25	18.00 x 25.00	32	TL	2,840
E-4 HARD ROCK LUG 4B	1800-33	18.00 x 33.00	28	TL	3,137
E-4 HARD ROCK LUG 4B	1800-33	18.00 x 33.00	32	TL	3,296
E-4 HARD ROCK LUG 4B	2100-35	21.00 x 35.00	36	TL	5,674
E-4 HARD ROCK LUG 4B	2400-35	24.00 x 35.00	30	TL	6,321
E-4 HARD ROCK LUG 4B	2400-35	24.00 x 35.00	36	TL	6,808

⁽¹⁾ TT = Tube-Type Tires, TL = Tubeless Tires

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE ⁽¹⁾	COST (\$) PER EACH
TIRE GROUP: MED.HVY COMMERCIAL - OFF ROAD					
E-4 HARD ROCK LUG 4B					
	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
L-2 SURE GRIP LOADER					
	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
L-3 SUPER HARD ROCK LOADER					
	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
L-3 SUPER HARD ROCK LUG 8 DOZER & LOADER					
	335-33	33.50 x 33.00	44	TL	8,834
L-3 HARD ROCK LUG 3F DOZER/LOADER					
	3325-35	33.25 x 35.00	50	TL	8,863
L-5S SUPER SMOOTH XTRA TRED DOZER & LOADER					
	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
L-5 HARD ROCK LUG 5C					
	295-29	29.50 x 29.00	22	TL	7,907
	295-29	29.50 x 29.00	22	TL	7,342
G-2 GRADER SURE GRIP					
	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

⁽¹⁾ TT = Tube-Type Tires, TL = Tubeless Tires

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE	DESCRIPTION	SIZE	PLY	TUBE ⁽¹⁾	COST (\$) PER EACH
TIRE GROUP: MED.HVY COMMERCIAL - OFF ROAD					
G-2 GRADER SURF 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

⁽¹⁾ 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.

No.	Condition	<u>Factor</u>	
		Average	Severe
A	Maintenance	1.00	1.00
B	Speeds	0.80	0.85
C	Curves	1.00	0.90
D	Surface Condition	0.90	0.70
E	Loads	<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.

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

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 VII shall be 8 months. For all other marine equipment (except hopper dredges) use months shall be 10 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.
	Total Secondary H.P. 2,475 h.p.
h. Fuel Type.....>	Diesel
(1) Cost/Gal.(APP.B).....>	\$0.87 /gal

2. TABLE H-1 DATA:

a. Life (yrs).....>	30 yrs
(1) Annual Use-Months..(para 3)...>	8 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)>	1.16
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)

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

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

$$(1) \text{ Annual Ownership Expense: } (\$3700000 \times 6.79\%) = \underline{\$251,230}$$

$$(2) \text{ Monthly Ownership Expense: } (\$251230 / 8 \text{ mo.}) = \underline{\$31,404}$$

$$(3) \text{ Hourly Ownership Expense: } (\$31404 / 500 \text{ hrs.}) = \underline{\$62.81}$$

c. Standby Allowance:

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

* NOTE: (If Applicable) -Generator Allowance (see Appendix H para 5)
= ((Generator H.P. / Total Secondary H.P.) x Secondary Fuel Cost)

$$(1) \text{ Annual Standby Expense: } [(.50 \times 3.00\%) + 3.79\%] \times \$3700000 = \underline{\$195,730}$$

$$(2) \text{ Monthly Standby Expense: } (\$195730/8\text{mo.}) = \underline{\$24,466}$$

$$(3) \text{ Hourly Standby Expense: } (\$24466/500\text{hrs}) = \underline{\$48.93}$$

$$* \text{ (If Applicable) Generator Allowance: } (200 \text{ h.p.} / 2475 \text{ h.p.}) \times \$83.98 = + \underline{\$6.79}$$

$$\text{Total Hourly Standby Allowance} = \underline{\$55.72}$$

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: $(0.044 \times 3730 \text{ h.p.} \times \$0.87/\text{gal})$	=	\$142.78 /hr
(2) Secondary Engine Fuel: $(0.039 \times 2475 \text{ h.p.} \times \$0.87/\text{gal})$	=	\$83.98 /hr

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

(1) Prime Engine WLS: $(0.33 \times \$142.78/\text{hr})$	=	\$47.12 /hr
(2) Second Engine WLS: $(0.33 \times \$83.98/\text{hr})$	=	\$27.71 /hr

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 Pres. Yr / 3749 Yr of Mfg)	=	1.184
(2) Life (hrs) = (30yrs x 8mo x 500hrs)	=	120,000 hrs
(3) Repair Cost: $(\$3700000 \times 1.20 \times 1.184 \times 1.16) / 120000 \text{ hrs}$	=	\$50.82 /hr

d. Subtotal Operating Cost = (Fuel + WLS + Repairs)

$(\$142.78 + \$83.98 + \$47.12 + \$27.71 + \$50.82)$	=	\$352.41 /hr
--	---	--------------

5. Subtotal Hourly Ownership & Operating Cost.

$(\$62.81 /hr + \$352.41 /hr)$	=	\$415.22 /hr
--------------------------------	---	--------------

6. Subtotal Monthly Rate = (Hourly Total x Use Hours/Month)

$(\$415.22 /hr \times 500 \text{ hrs})$	=	\$207,610 /mo
---	---	---------------

7. Additive Item(s) (monthly cost to be estimated)

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

Subtotal Estimated Additive Items \$51,000 /mo

8. Total Monthly Rate..... \$258,610 /mo

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	BODERSON	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-ATHEY	KN	KENT
CG	CHEMGROUT	KO	KOEHRING
CH	CHAMPION	LA	LAYTON
CI	CHIPMORE	LB	LINK BELT
CM	CLEMCO	LI	LINK BELT (FMC)
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	FELKER/DRESSER	MO	MORGAN
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)

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)