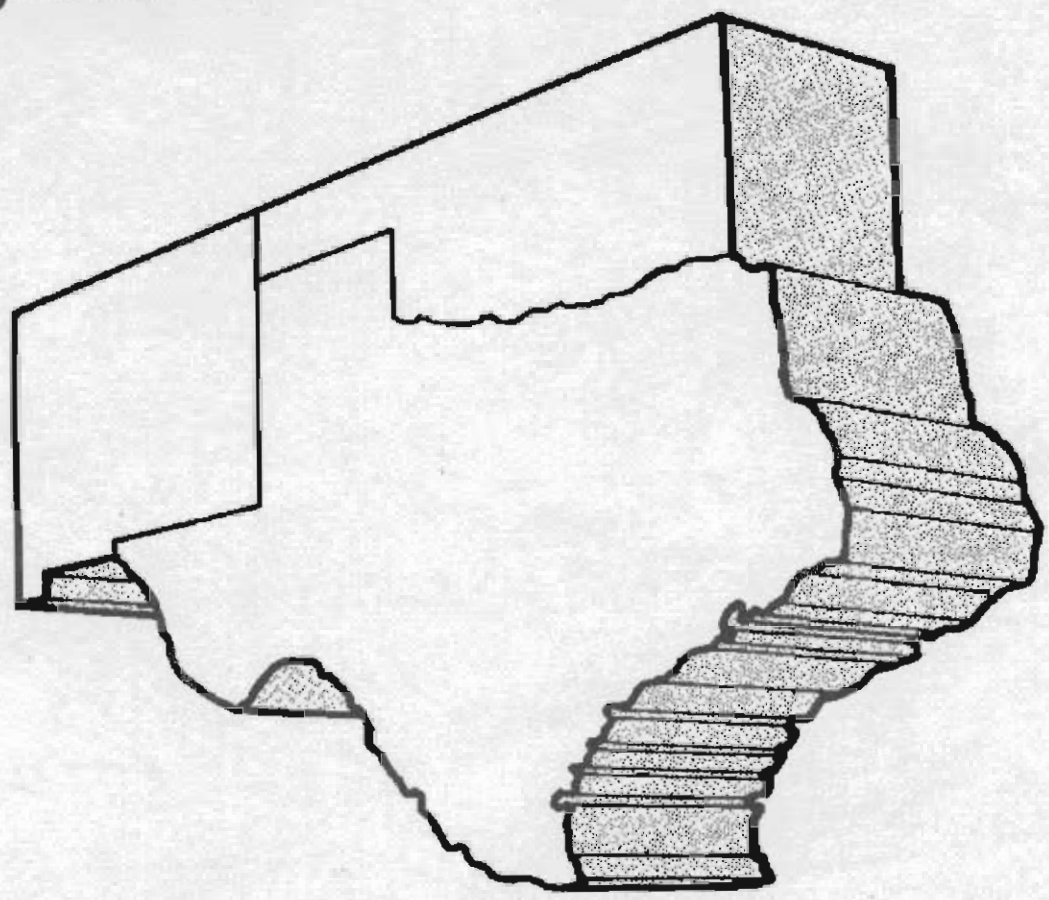
US Army Corps
of Engineers

EP 1110-1-8
Volume 6
August 1993

Construction Equipment Ownership and Operating Expense Schedule

Region VI



Regions for the Construction Equipment Ownership and Operating Expense Schedule

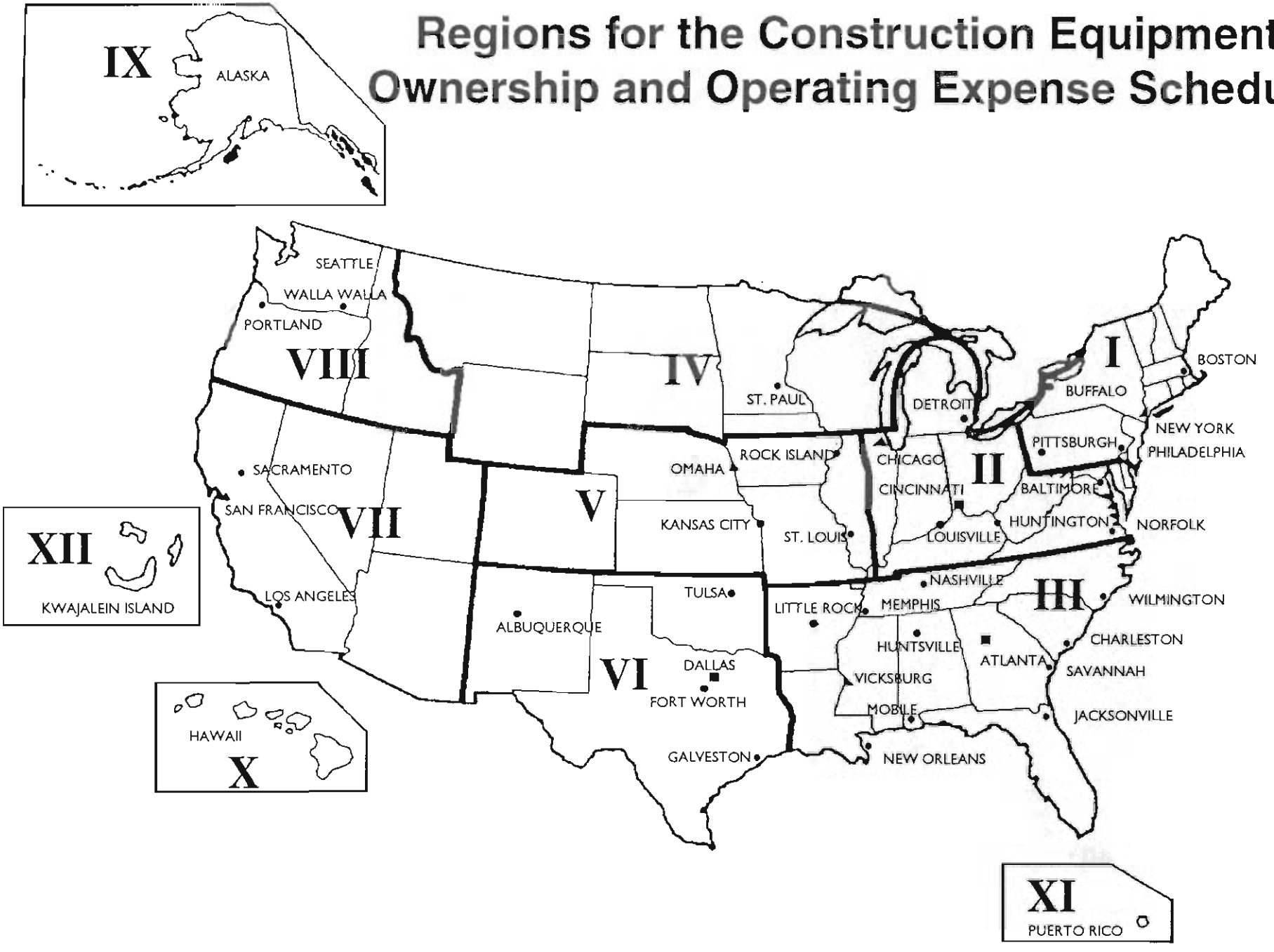


TABLE OF CONTENTS

CHAPTER 1

INTRODUCTION

1-1. Purpose....1-1
1-2. Applicability....1-1
1-3. References....1-1
1-4. Use....1-1
1-5. Assistance....1-2
1-6. How to Obtain this Publication....1-2

CHAPTER 2

METHODOLOGY FOR CONSTRUCTION EQUIPMENT

SECTION I. GENERAL....2-1
2-1. Contents....2-1
2-2. Basis for Equipment Rates....2-1
2-3. Total Hourly Rate....2-1

SECTION II. OPERATING CONDITIONS....2-2
2-4. Average, Difficult, or Severe Condition....2-2
2-5. Determination of Condition....2-2

SECTION III. EQUIPMENT VALUE....2-2
2-6. List Price + Accessories....2-2
2-7. Discount Code....2-2
2-8. Sales or Import Tax....2-2
2-9. Freight....2-2
2-10. Total Equipment Value....2-3

SECTION IV. LIFE....2-3
2-11. Economic Life....2-3
2-12. Working Hours Per Year....2-3

SECTION V. SALVAGE VALUE....2-3
2-13. Salvage Value....2-3
2-14. Salvage Value Percentages....2-3

SECTION VI. OWNERSHIP COST....2-3
2-15. Ownership Elements....2-3
2-16. Depreciation....2-4

This pamphlet supersedes EP 1110-1-8, Volume 6, 30 August 1991

CHAPTER 2

METHODOLOGY FOR CONSTRUCTION EQUIPMENT (continued)

SECTION VI. OWNERSHIP COST (continued)
2-17. Facilities Capital Cost of Money.....2-4
2-18. Other Ownership Elements.....2-5

SECTION VII. OPERATING COST.....2-5
2-19. Operating Cost Elements.....2-5
2-20. Fuel Cost.....2-5
2-21. Filter, Oil, and Grease Costs.....2-7
2-22. Repair Cost.....2-7
2-23. Tire Costs.....2-8

SECTION VIII. STANDBY HOURLY RATES.....2-10
2-24. Standby Hourly Rate.....2-10

SECTION IX. RATE CALCULATION EXAMPLE.....2-10
2-25. Computation Example.....2-10

TABLE 2-1.....2-17
Hourly Equipment Ownership and Operating Expense

TABLE 2-2.....2-173
Hourly Rate Elements

CHAPTER 3

ADJUSTMENTS TO RATES

SECTION I. RATE ADJUSTMENTS.....3-1
3-1. Contents.....3-1
3-2. Conditions for Adjustment.....3-1
3-3. Use of Rate Adjustment Tables.....3-1
3-4. Hourly Rate Elements.....3-1
3-5. Overage Equipment.....3-2
3-6. Equipment Purchased Used.....3-3
3-7. Equipment Not Listed.....3-3

SECTION II. EQUIPMENT SELECTION.....3-3
3-8. Truck Selection.....3-3
3-9. Crawler Tractor Selection.....3-4
3-10. Equipment Accessories.....3-4
3-11. Rate Calculation Example.....3-4

TABLE 3-1.....3-5
Equipment Age Adjustment Factors for Ownership Cost

For sale by the U.S. Government Printing Office
Superintendent of Documents, Mail Stop: SSOP, Washington, DC 20402-9328
ISBN 0-16-041913-1

CHAPTER 3

ADJUSTMENTS TO RATES
(continued)

TABLE 3-2.....3-25
Equipment Age Adjustment Factors for Standby Cost

TABLE 3-3.....3-45
Shift Adjustment Factors for Ownership Costs

CHAPTER 4

METHODOLOGY FOR DREDGING PLANT

SECTION I. GENERAL.....4-1
4-1. Contents.....4-1
4-2. General.....4-1

SECTION II. ANNUAL USE.....4-1
4-3. Time Available to Dredge.....4-1

SECTION III. LIFE.....4-2
4-4. Economic Life.....4-2
4-5. Annual Hours Available.....4-2
4-6. Life in Years.....4-3

SECTION IV. SALVAGE VALUE.....4-3
4-7. Salvalge Value.....4-3

SECTION V. OWNERSHIP COST.....4-3
4-8. Ownership Cost.....4-3
4-9. Depreciation.....4-3
4-10. Facilities Capital Cost of Money.....4-4
4-11. Other Ownership Elements.....4-4

SECTION VI. OPERATING FACTORS.....4-4
4-12. Hourly Operating Factors.....4-4
4-13. Prime and Secondary Power.....4-4
4-14. Water, Lube, and Supplies.....4-4
4-15. Repairs.....4-4
4-16. Standby Rate.....4-5

SECTION VII. RATE CALCULATION EXAMPLE.....4-5
4-17. Rate Calculation Example.....4-5

TABLE 4-1.....4-7
Dredging Plant Expense Factors

APPENDIXES

APPENDIX A. REFERENCES.....A-1

APPENDIX B. AREA FACTORS.....B-1

APPENDIX C. GUIDE FOR SELECTION 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. MANUFACTURER CODES.....H-1

APPENDIX I. FEDERAL COST-OF-MONEY RATE.....I-1

APPENDIX J. EQUIPMENT ACCESSORIES.....J-1

INDEX.....Index-1

CHAPTER 1

INTRODUCTION

1-1 Purpose. This pamphlet is authorized by and established in accordance with Federal Acquisition Regulation (FAR) 31.105 and Engineer Federal Acquisition Regulation (EFAR) SUBPART 31.105. This pamphlet establishes predetermined equipment ownership and operating expense rates for construction and marine equipment. Expense factors for dredges and attendant plant are provided for use in the development of rates associated with this type of equipment.

1-2. Applicability. This pamphlet applies to HQUSACE/OCE elements, major subordinate commands, districts, laboratories, and field operating activities. It is applicable to all solicitations and contracts for construction expected to exceed $25,000 when actual cost data for both ownership and operating costs cannot be determined. This volume is for use in Region VI which includes the following states:

New Mexico

Oklahoma

Texas

1-3. References. See APPENDIX A.

1-4. Use. The use of this pamphlet for rate determination on construction contracts, dredging contracts, and negotiated procurements relates only to equipment which is contractor-owned.

a. This pamphlet shall be used for determining hourly equipment rates which are contained in the independent government estimate (IGE).

b. In addition, the use of this pamphlet will be required by contractors for pricing contractor-owned equipment in negotiated procurements when:

(1) Cost or pricing data as defined in FAR 15.8 is not required.

(2) Cost or pricing data is required and the actual cost data to support either ownership or operating costs for equipment or equipment groups of similar model and series is not available.

(3) 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 FAR.

1-5. Assistance. If assistance is required understanding the methodology or calculating equipment rates, contact the Chief, Cost Engineering Branch, CENPW-EN-CB, Corps of Engineers, Walla Walla District. The district can also provide the computer software program "CHECKRATE" for use in expediting construction and dredging equipment rate calculations. There is a nominal charge to non-government users for this software.

1-6. How to Obtain this Publication. Copies of Volumes 1 through 12 of this pamphlet are available only through the Superintendent of Documents or their government bookstores (see APPENDIX A). For additional information phone (202)783-3238 or write to the following address:

Superintendent of Documents
P. O. Box 371954
Pittsburgh, PA 15250-7954

FOR THE COMMANDER:

10 Appendices
APP A thru J (see Table of Contents)

WILLIAM D. BROWN
Colonel, Corps of Engineers
Chief of Staff

CHAPTER 2

METHODOLOGY FOR CONSTRUCTION EQUIPMENT

SECTION I. GENERAL

2-1. Contents. This chapter provides the methodology used to compute the total hourly ownership and operating rates for construction equipment and marine equipment (except major dredging plant). This detailed methodology includes the formulas and factors used to develop both total hourly rates and hourly standby rates.

2-2. Basis for Equipment Rates. Hourly rates as shown in TABLE 2-1, Hourly Equipment Ownership and Operating Expense, reflect equipment prices based on 1 July 1990 as the date of purchase. Area factors used to compute regional ownership and operating expenses are listed in APPENDIX B, Area Factors. This hourly rate methodology assumes that equipment furnished to the job is in sound, workable condition. Furthermore, the methodology applies only to that equipment which prime contractors or subcontractors either own or control. These hourly rates and cost factors do not represent rental charges for those in the business of renting equipment.

2-3. Total Hourly Rate. Total hourly rates for average conditions shown in TABLE 2-1 are computed on the basis of a 40-hour work week. This total rate is the sum of ownership cost and operating cost. TABLE 2-2, Hourly Rate Elements, contains all individual rate elements. An example of the methodology used to compute the total hourly rate is shown in Figure 2-1.

a. Ownership Cost Elements. The ownership portion of the rate consists of an allowance for depreciation and facilities capital cost of money (FCCM).

b. Operating Cost Elements. Operating costs include allowances for the following:

(1) Fuel
(2) Filters, oil, and grease (FOG) (includes servicing)
(3) Repairs, which include maintenance and major overhauls
(4) Tire wear (replacement)
(5) Tire repair

c. Exclusions to Hourly Rates. Total hourly rates include all elements of cost for owning and operating equipment except the following:

(1) Operating labor
(2) Mobilization and demobilization
(3) Field office overhead expenses

(4) Home office or G&A overhead expenses
(5) Investment tax credit
(6) Contingency allowance
(7) Profit
(8) Other elements of cost as listed in paragraph 2-18

It should also be noted that replacement cost escalation is not included in the rates because it is not an allowable item of cost per FAR 31.105(d).

SECTION II. OPERATING CONDITIONS

2-4. Average, Difficult, or Severe Condition. Operating conditions may be average, difficult, or severe. Rates for both average and severe operating conditions are determined in accordance with APPENDIX C, Guide for Selecting Operating Conditions. Difficult conditions are the arithmetic mean of average and severe rates. If only the average rate is shown in TABLE 2-2, that rate will apply for all operating conditions. Average condition rates are included in both TABLE 2-1 and TABLE 2-2. Only TABLE 2-2 contains the severe condition rates.

2-5. Determination of Condition. For contract modifications the contracting officer determines the equipment operating condition to be used based on the contract specifications, the basis of any supporting evidence, and APPENDIX C guidance. Evaluation of operating conditions for equipment not listed in APPENDIX C will be consistent with examples shown in APPENDIX C. The operating condition of the equipment relates to the average and severe factors as detailed in APPENDIX D, Equipment Hourly Expense Calculation Factors.

SECTION III. EQUIPMENT VALUE

2-6. List Price + Accessories. Equipment cost is based on the total catalog list price for the equipment. The catalog list price for this pamphlet is based on new equipment manufactured in 1990. The total price also includes those accessories normally purchased by the contractor plus all required safety features.

2-7. Discount Code (DC). A 7.5 percent discount is taken on the total list price plus accessories for all equipment except highway trucks which are discounted 15.0 percent. The identification of the discount is shown in APPENDIX D under column heading DC (Discount Code), where B equals the basic discount of 7.50 percent and S equals the special discount of 15.0 percent.

2-8. Sales or Import Tax. Total state sales tax (which includes local taxes) or import tax is computed as a percentage of the discounted price. The amount of tax is given in APPENDIX B.

2-9. Freight. Estimated allowances for freight are given in APPENDIX B. This allowance includes preparation and delivery.

Multiply the shipping weight based on hundred weight (CWT) by the freight rate to determine freight charges.

2-10. Total Equipment Value (TEV) . Freight is added to the total discounted price (which includes sales tax) to arrive at the TEV. The estimated TEV is indicated in TABLE 2-1 under the column heading VALUE. When developing equipment rates for contract modifications, use the actual equipment price if it is known. Also, if the equipment is overage or was purchased used, refer to Chapter 3, Adjustment to Rates.

SECTION IV. LIFE

2-11. Economic Life. LIFE is the expected economic life of the equipment and will vary based on the type of equipment and the condition of use. It is established from manufacturers' or equipment associations' recommendations. The expected economic life in hours is given in APPENDIX D, under the column heading LIFE, for both average and severe conditions.

2-12. Working Hours Per Year. Annual average operating hours have been established for equipment working within the region covered by this pamphlet. The number of working hours per year (WHPY) as shown in APPENDIX B is equivalent to one year's use for a single shift operation. Average hours of use per year are determined by reducing the maximum available hours per year (40 hours per week, 52 weeks per year) to allow for lost working days due to the following factors:

a. Weather
b. Employee holidays
c. Equipment maintenance and repairs
d. Mobilization and demobilization
e. Miscellaneous downtime.

SECTION V. SALVAGE VALUE

2-13. Salvage Value (SLV). Salvage values for equipment are based on the Green Guide for Construction Equipment, Handbook of New and Used Construction Equipment Values, and advertisements of used equipment for sale as displayed in current engineering and construction magazines.

2-14. Salvage Value Percentages. The salvage value percentage used for each type of equipment is listed in APPENDIX D under the heading SLV as a percentage of the equipment value. It is equal for both average condition and severe condition.

SECTION VI. OWNERSHIP COST

2-15. Ownership Elements. The ownership portion of the rate consists of allowances for depreciation (DEPR) and Facilities Capital Cost of Money (FCCM). These two cost elements are computed based on the total equipment value. Other ownership

elements may be allowed (see paragraph 2-18). Total ownership rate per hour is expressed by formula, as follows:

$$\text{Ownership Rate/Hour} = \text{DEPR/Hour} + \text{FCCM/Hour}$$

2-16. Depreciation. The straight-line method is used to compute depreciation.

a. For rubber-tired equipment the tire cost index (TCI) must first be established to complete the depreciation formula in the sample worksheet.

b. Depreciation Calculation. Depreciation is calculated by dividing the "depreciable" value (total equipment value less estimated salvage and tire cost) by the expected economic life of the unit of equipment in hours. Expressed by formula, depreciation cost equals the following:

$$\text{DEPR/Hr} = \frac{[[(\text{TEV})\ (1-\text{SLV})] - [(\text{TCI})(\text{Tire Cost})]]}{\text{LIFE}}$$

where:

(1) Total equipment value (TEV) - see TABLE 2-1

(2) Salvage value (SLV) - see APPENDIX D

(3) Tire cost index (TCI). Tire and conveyor belt cost is considered to be an operating expense and is subtracted from the total equipment value before computing depreciation. If tire costs based on the date of manufacture are not known, current tire values are modified using the TCI. The TCI is determined by dividing the year of manufacture by present year using the appropriate tire indexes. These indexes are listed as part of APPENDIX E, Economic Indexes for Construction Equipment (see EK100, All Tires and Tubes).

(4) Tire cost. The tire cost for rubber-tired equipment is based on tire values taken at the time the equipment was manufactured. Estimated values for tires and conveyor belting are provided in APPENDIX F, Tire Description and Tire Cost (this data is provided for information only). Since APPENDIX F does not contain pricing information for all types and sizes of tires and belts, dealers should be contacted for any additional information.

(5) LIFE - see APPENDIX D

2-17. Facilities Capital Cost of Money

a. Facilities Capital Cost of Money (FCCM), as defined in FAR 15.903, FAR 31.205-10, and CAS 414, is included in the total hourly rates. This cost was computed by multiplying the January 1993 cost-of-money rate (6.50%) 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 reduced 25.0% to 5.20% to avoid duplication when applying estimated markups for overhead and profit. 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. Expressed by formula, FCCM cost equals the following:

$$\text{FCCM/Hr} = \frac{(\text{AVF})\ (\text{TEV})\ (5.20\%)}{(\text{WHPY})}$$

where:

(1) AVF = Average value factor, <u>or</u>

AVF = [[(N-1) (1 + SLV)] + 2] / 2N

(2) N = Number of years in depreciation period, <u>or</u>
N = LIFE / WHPY

(3) 5.20% = Current cost-of-money rate (6.50%) / 1.25

2-18. <u>Other Ownership Elements</u>. The following elements of cost are allowable but would normally be included in the contractor's field office or home office overhead rate calculation.

a. License fees, property taxes, storage, and insurance costs are considered indirect costs and are not included in the total hourly rates.

b. Also job-site security, inspection fees, record-keeping, mechanic's training, and highway permits are excluded from the total hourly rate for each unit of equipment.

SECTION VII. OPERATING COST

2-19. <u>Operating Cost Elements</u>. The total operating cost is the sum of the following five elements: fuel, FOG (filters, oil, and grease), repairs, tire wear, and tire repair.

2-20. <u>Fuel Cost</u>. Fuel costs are computed for each gas, diesel, or electric engine. If the unit of equipment has two engines, as in the case of a truck crane, this methodology treats each engine separately for fuel costs. Fuel costs are calculated for each engine, as expressed in the following formula:

Fuel Cost/Hr = Fuel Factor x Horsepower x Fuel Cost/Gallon

a. Hourly Fuel Costs. The estimated hourly fuel cost for each unit of equipment is shown under the column heading FUEL in TABLE 2-1 and TABLE 2-2. If the unit of equipment has no engine, no fuel cost will be shown. See Chapter 3 for fuel adjustments.

b. Fuel Factor - Gas or Diesel Fuel. The fuel factor in gallons per bhp (brake horsepower) hour is listed in APPENDIX D for

both average and severe conditions. Fuel factors are also listed for both equipment, prime engine, and the carrier engine. For severe conditions the fuel consumption rate is 30 percent greater than the average conditions rate. Compute gas or diesel fuel factors by using the following formula:

$$\text{Fuel Factor (Gal/bhp-hr)} = \frac{\text{HPF x lbs. Fuel per bhp-hr}}{\text{lbs of Fuel per Gallon}}$$

where:

(1) Bhp is the net brake horsepower of the engine at the flywheel at sea level and at full-load governed speed. The engine is fully equipped with generator, fan, air cleaner, and other regular equipment. All horsepower ratings for engine-driven equipment are listed with the equipment description in TABLE 2-1.

(2) HPF is the horsepower factor used in the fuel and electricity consumption formulas and represents the average percent of full rated horsepower being utilized by the engine. 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 fuel consumption factors, which are shown in APPENDIX D under column headings Fuel Factor-Equipment and Fuel Factor-Carrier, are computed to include the HPF which is shown for information only.

(3) Lbs. Fuel (consumed) per bhp-hr is based on the following estimate:

gasoline = 0.62 lbs. per bhp-hr
diesel = 0.39 lbs. per bhp-hr

(4) Fuel weight per gallon is based on the following estimate:

gasoline = 6.00 lbs. per gallon
diesel = 7.00 lbs. per gallon

c. Fuel factor- Electricity. Assuming that an electric motor uses 1 kW/hp (considering all inefficiencies), and using the same HPF for gas or diesel fuel consumption, the electricity consumption is computed by the following formula:

Fuel Factor (kW/Hr) = HPF x 1 kW per electric hp hour

d. Fuel and Electricity Costs. The cost per gallon for gasoline and diesel fuel used to compute the hourly fuel costs are shown in APPENDIX B. 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. Costs per kilowatt hour for electricity used to compute electricity costs are also shown in APPENDIX B.

2-21. Filters, Oil, and Grease (FOG) Cost. FOG cost is computed as a percentage of the hourly fuel costs. In APPENDIX D under the column heading FOG, these percent allowances are expressed as a decimal factor under each fuel type heading: E (electricity), G (gas), or D (diesel). Fog cost is calculated for each engine using the following formula:

$$\text{Fog Cost/Hr} = \text{FOG Factor} \times \text{Fuel Cost/Hr} \times \text{LAF}$$

a. The FOG element contains all items of cost for routine servicing of the equipment including the following:

(1) Base wages for servicing labor
(2) Fringe benefits and labor burden costs for servicing
(3) Service truck and fuel truck allowance
(4) Other equipment costs for servicing
(5) Filters, oil, and grease allowance
(6) Taxes and shipping for FOG supplies

b. The FOG percentage allowance is reduced for servicing which is normally performed by the oiler who is assigned separately to the unit of equipment (and costed elsewhere). This reduction applies to the following equipment: cranes, draglines, hydraulic excavators, and shovels (except equipment under category numbers C75, C80.01, C85.11, C85.12, C85.21, C90.01, H25.11, H25.12, H30.01, H30.02, and M10.32)

c. The labor adjustment factor (LAF) is used to adjust the FOG factor to account for geographic variations in labor and parts costs. The factor for the region covered by this pamphlet is given in APPENDIX B.

d. If the unit of equipment has no engine, a reasonable hourly estimate for FOG is included.

2-22. Repair Cost. The repair cost is an allowance for equipment repairs, maintenance, and major overhauls (including undercarriage wear) performed in either the field or the shop. Where tire cost is the cost of the tires when the equipment was manufactured, use the same TCI and tire cost as shown in the depreciation calculation (see paragraph 2-16). The estimated hourly rate for repairs is computed as follows:

$$\text{Repair Cost/Hr} = \frac{[(\text{TEV}) - [(\text{TCI})(\text{Tire Cost})]] \times \text{Repair Factor}}{\text{LIFE}}$$

a. Repair Factor. The repair factor is calculated as follows:

$$\text{Repair Factor (RF)} = \text{Repair cost factor (RPR)} \times \text{EAF} \times \text{LAF}$$

b. Use the following multiplying factors to develop the repair factor:

(1) The estimated repair cost factor (RPR) is shown in APPENDIX D. This factor varies depending on the operating condition of the equipment (average or severe).

(2) The economic adjustment factor (EAF) is used to adjust the repair cost factor to current price levels. The EAF is equal to the economic index for the present year divided by the economic index for the year the equipment was manufactured. APPENDIX E, Economic Indexes for Construction Equipment, is used to develop the EAF. Economic indexes are determined as follows:

(a) Economic Index for the Present Year. Find the present year and corresponding index in APPENDIX E for the equipment division in question. If the index for the present year has not been included, future year indexes can be estimated using a straight-line projection.

(b) Economic Index for the Year of Manufacture. This is the economic index for the year the equipment was manufactured (can be determined from equipment serial numbers). Locate the index number in APPENDIX E for the year and equipment division. If the actual age of the equipment is beyond the last year of its economic life, refer to Chapter 3 for further rate adjustments.

c. Items Included in the Repair Cost Factor. The estimated percentage allowances for the repair cost factor are shown in APPENDIX D under the column heading RPR and are expressed as decimal factors. These repair cost factors (for both the average and severe conditions) compensate for the following cost elements:

(1) Mechanic's labor includes base wages, fringe benefits, supervision, and all other costs for labor associated with craft workers engaged in the direct repair of equipment.

(2) Repair parts and supplies includes those items which are required for all repairs and major overhauls complete with applicable sales taxes and freight charges.

(3) Service trucks and other equipment utilized during repair and maintenance work, including tools.

(4) Supporting repair facilities includes field and main repair shops complete with parts and supplies inventory, and shop overhead.

2-23. Tire Costs. Tires included on rubber-tired equipment are generally the type and ply rating recommended as standard tires by the equipment manufacturer. Tire costs include both tire wear (replacement) and tire repair as individual elements of cost. Conveyor belt wear is also included under this cost element.

a. Tire Wear Cost. The formula for calculating tire wear applies to each tire position: front (FT), drive (DT), and trail-

ing (TT). However, all tires performing the drive function are considered as drive tires and are listed in the DT position. The total hourly tire wear cost for each unit of equipment is the sum of the hourly cost for each position. The hourly tire wear 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. This hourly allowance for determining tire wear cost is expressed in the following formula:

$$\frac{\text{Tire Cost Factor x Current Tire Cost}}{\text{Tire Life Factor x Tire Wear Factor x Maximum Tire Life}}$$

where:

(1) Tire cost factor. It has been estimated that a recap costs approximately 50 percent of the new tire cost. Therefore, tire cost factor is 1.50, which represents the purchase of the original tire plus 1 recap.

(2) Current tire cost. The estimated current tire cost applies to all tires on the equipment in that position. For example, 4 new drive tires valued at $500 each would result in an amount of $2,000 for total drive tire cost. The size and cost of each tire used in the pamphlet are listed for information in APPENDIX F.

(3) Tire life factor. It has been estimated that a recap lasts approximately 80 percent of the life of a new tire. Therefore, total initial tire life factor is 1.80, which represents the purchase of the original tire plus 1 recap.

(4) Tire wear factor. Based on the position of the tire, type of equipment, and condition of use, tire wear factors have been developed and are listed in APPENDIX D. These factors will provide a percentage reduction to the maximum tire life. APPENDIX G, Tire Life and Tire Wear Factors, contains the methodology used to develop these factors and a computation example for a rear dump wagon.

(5) Maximum tire life. The maximum new tire life for various tire types is shown in APPENDIX G. It is expressed in hours in the above formula. The useful tire life is estimated using the method and tables in "Production and Cost Estimating of Material Movement with Earthmoving Equipment" prepared by Terex Division of General Motors.

b. Tire Repair Cost. It has been estimated that tire repairs are 15 percent of the total hourly tire wear cost. LAF is used to adjust the tire repair cost to account for geographic variations in labor and parts costs. This cost element has been calculated and listed separately in TABLE 2-2. It is expressed as a formula as follows:

$$\text{Tire Repair Cost} = \text{Total Tire Wear Cost} \times .15 \times \text{LAF}$$

c. Belt Cost. For equipment that uses conveyor belts, the belt wear is treated similarly to tire wear. The wear factors are listed in the front tire wear factor column in APPENDIX D. Belt life is shown in APPENDIX G and belt cost is listed in APPENDIX F.

SECTION VIII. STANDBY HOURLY RATES

2-24. Standby Hourly Rate. The standby rate is computed from the average condition rate by allowing the full FCCM hourly cost plus one-half of the hourly depreciation. It is expressed as a formula, as follows:

$$\text{Standby Rate/Hr} = (\text{DEPR/Hr} \times .50) + \text{FCCM/Hr}$$

The following conditions apply:

a. Paid standby will not exceed 40 hours per week (7 calendar days) per unit of equipment.

b. Standby will not be allowed during periods when the equipment would have otherwise been in idle status. Actual operating hours during a week will be credited against the 40 hours maximum standby allowance.

c. When the equipment is purchased used, standby will be computed on the basis that the equipment was purchased new by the contractor in the year it was manufactured. If the equipment is overage, the adjustments identified in Chapter 3 shall be used.

SECTION IX. RATE CALCULATION EXAMPLE

2-25. Computation Example. Figure 2-1, Equipment Rate Computation Worksheet, illustrates how the total hourly rates in TABLE 2-1 are computed.

a. When an hourly rate for a specific unit of equipment not included in this pamphlet must be computed, the methodology contained in Chapter 2 shall be followed. Software is also available for rate computation (see Chapter 1).

b. If the actual number of work hours per week is greater than 40 hours, see Chapter 3 for guidance on the use of shift adjustment factors (see TABLE 3-3, Shift Adjustment Factors for Ownership Costs).

c. See Chapter 3, Adjustments to Rates, for further guidance on the procedure for rate adjustment.

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

1. **EQUIPMENT INFO & EXPENSE FACTORS**

EXAMPLE: THE PIECE OF EQUIPMENT SHOWN IS BASED ON A KNOWN PIECE OF EQUIPMENT FOR ILLUSTRATION PURPOSES ONLY. (SEE CHAPTER 2)

For ID No. C90LI002

a. Equipment Specification Data:

(1) Equipment Description: CRANES, MECHANICAL, TRUCK MTD
LINK BELT (FMC), 50 TON WITH 150' BOOM

(2) Model and Series: HC108C

(3) Present Year or Year of Use: 1992 (4) Year Manufactured or Purchased: 1990

(5) Horsepower - Equipment: 110

(6) Horsepower - Carrier: 318

(7) Fuel type: - Equipment: gas,diesel off-road, diesel on-road, electric, or air D-OFF
- Carrier: gas,diesel off-road, diesel on-road, electric, or air D-ON

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

(9) Tire size and number of tires: Total Cost of tires based on 1a. (3)

(a) Front:	No.:	4	Size/Ply:	1400-20/ 18	Cost: $	3,320
(b) Drive:	No.:	8	Size/Ply:	1400-20/ 18	Cost: $	6,640
(c) Trailing:	No.:	0	Size/Ply:		Cost: $	0

(d) Total Tire Cost: $ 9,960

USE APPENDIX D TO COMPLETE THE FOLLOWING DATA:

b. Category and Sub-category Number: C90 0.02

c. Hourly Expense Calculation Factors:

(1) Economic Key (EK): 20

(2) Condition (C): Average Condition, A

(3) Discount Code (DC): B = 7.5% (0.075) or S = 15.0% (0.15) 7.50%

(4) Life in Hours (LIFE): 16,000

(5) Salvage Value Percentage (SLV): 0.15

(6) Fuel Factor - Equipment (E G D): 0.036

(7) Fuel Factor - Carrier (E G D): 0.006

(8) FOG Factor (E G D): 0.26

(9) Tire Wear Factor:

(a) Front (FT): 0.97

(b) Drive (DT): 0.78

(c) Trailing (TT): 0.00

(10) Repair Cost Factor (RPR): 0.70

Page 1 of 6

Figure 2-1. Equipment Rate Computation Worksheet

2. EQUIPMENT VALUE

a. List Price + Accessories: *(at Year of Manufacture)* = $ 539,523

(1) Discount: (List Price) x (Discount Code)
[1.c.(3)]

(539,523) x (0.075) = - ($ 40,464)

(2) Subtotal: [2.a.] - [2.a.(1)] S/T $ 499,059

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

(499,059) x (0.06) = $ 29,944

(4) Total Discounted Price - Subtotal: [2.a.(2)] + [2.a.(3)] S/T $ 529,003

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

(1,197 CWT) x (4.30) = $ 5,147

c. TOTAL EQUIPMENT VALUE (TEV): [(2.a.(4)] + [(2.b)] **2. TOTAL:** $ 534,150

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

3. DEPRECIATION PERIOD (N)

a. (LIFE) / (Working Hours Per Year **(WHPY)**) = N
[1.c.(4)] [APPENDIX B]

(16,000 Hrs) / (1,700 Hrs/Yr) **3. TOTAL** = 9.41 Yrs(N)

4. OWNERSHIP COST

a. Depreciation

(1) Tire Costs Index **(TCI)**:

(Tire Index, Yr of Mfgr) / (Tire Index, Based on 1a.(3)) = Tire Cost Index (TCI)
[APPENDIX E,EK=100] / [APPENDIX E,EK=100]

(2470) / (2584) = 0.956 (TCI)

Page 2 of 6

Figure 2-1. Equipment Rate Computation Worksheet (Continued)

4. **OWNERSHIP COST** (Continued)

a. Depreciation:

(2) [(TEV) x [1.0 - (SLV)] - [(TCI) x (Tire Cost)]] / (LIFE)
[2.c.] [1.c.(5)] [4.a.] [1.a.(9)(d)] [1.c.(4)]

[(534,150) x [1.0 -(0.15)] - [(0.956) x (9,960)]]/ (16,000)

= $ 27.78 /Hr

b. Facilities Capital Cost of Money (FCCM):

(1) [[(N) - 1.0] x [1.0 + (SLV)] + 2.0] / [2.0 x (N)] = Avg Value Factor (AVF)
[3.a.] [1.C.5.] [3.a.]

[[(9.41 Yrs) - 1.0] x [1.0 + (0.15)] + 2.0] / [2.0 X (9.41 Yrs)]

= 0.620 (AVF)

(2) (TEV) x (AVF) x (Adjusted Cost-of-Money) / (WHPY)
[2.c.] [4.b.(1)] [APPENDIX B] [APPENDIX B]

(534,150) x (0.620) x (0.0520) / (1,700 Hrs/Yr)

= $ 10.13 /Hr

c. TOTAL HOURLY OWNERSHIP COST: [4.a.(2)] + [4.b.(2)] **4. TOTAL:** $ 37.91 /Hr

5. **OPERATING COST**

a. Fuel Costs:

(1) Equipment:

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

(0.036) x (110 HP) x (0.84 /Gal) = $ 3.33 /Hr

(2) Carrier:

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

(0.006) x (318 HP) x (1.06 /Gal) = $ 2.02 /Hr

(3) TOTAL HOURLY FUEL COSTS: [(5.a(1)] + [5.a(2)] Total 5.a. = $ 5.35 /Hr

Page 3 of 6

Figure 2-1. Equipment Rate Computation Worksheet (Continued)

5. OPERATING COST (Continued)

b. FOG Cost:

(1) Equipment:

(FOG Factor) x (Equipment Fuel Cost) x LAF
[1.c.(8)] [5.a.(1)] [APPENDIX B]

(0.26) x (3.33 /Hr) x (0.87) = $ 0.75 /Hr

(2) Carrier:

(FOG Factor) x (Carrier Fuel Cost) x LAF
[1.c.(8)] [5.a.(2)] [APPENDIX B]

(0.26) x (2.02 /Hr) x (0.87) = $ 0.46 /Hr

(3) TOTAL HOURLY FOG COST: [(5.b.(1)] + [5.b.(2)] Total 5.b. = $ 1.21 /Hr

c. Repair Cost:

(1) Economic Adjustment Factor (EAF): (from EK = [1 c.(1)])

(Economic Index for Year 1a.(3)) / (Economic Index for Year 1a.(4))
[APPENDIX E] [APPENDIX E]

(4599) / (4152) = 1.108 (EAF)

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

(2) Repair Factor:

(RPR) x (EAF) x (LAF) = Repair Factor (RF)
[1.c.(10)] [5.c.(1).] [APPENDIX B]

(0.70) x (1.108) x (0.87) = 0.675 (RF)

(3) Repair Cost

[(TEV) - [(TCI) x (Tire Cost)]] x (RF) / (LIFE)
[2.c.] [4.a. (1)] [1.a.(9)(d)] [5.c.(2)] [1.c.(4)]

[(534,150) - [(0.956) x (9,960)]] x (0.675) / (16,000)

Total 5.c. = $ 22.13 /Hr

Page 4 of 6

Figure 2-1. Equipment Rate Computation Worksheet (Continued)

5. OPERATING COST (Continued)

d. Tire Wear Cost: *(Use current price levels)*

(1) Front Tires:

[1.5 x (FT Cost)] / [1.8 x (FT Wear Factor) x (Maximum Tire Life/Hrs)]
[1.a.(9)(a)] [1.c.(9)(a)] [APPENDIX G]

[1.5 x (3,320)] / [1.8 x (0.97) x (5,000 /Hrs)]

= $ 0.57 /Hr

(2) Drive Tires:

[1.5 x (DT Cost)] / [1.8 x (DT Wear Factor) x (Maximum Tire Life/Hrs)]
[1.a.(9)(b)] [1.c.(9)(b)] [APPENDIX G]

[1.5 x (6,640)] / [1.8 x (0.78) x (5,000 /Hrs)]

= $ 1.42 /Hr

(3) Trailing Tires:

[1.5 x (TT Cost)] / [1.8 x (TT Wear Factor) x (Maximum Tire Life/Hrs)]
[1.a.(9)(c)] [1.c.(9)(c)] [APPENDIX G]

[1.5 x (0)] / [1.8 x (0) x (0 /Hrs)]

= $ 0.00 /Hr

(4) TOTAL TIRE WEAR COST: [Sum 5.d.(1) through 5.d.(3)] Total 5.d. = $ 1.99 /Hr

e. Tire Repair Cost:

(Total Tire Wear) x 0.15 X LAF
[5.d.(4)] [APPENDIX B]

(1.99) x 0.15 X (0.87) Total 5.e. = $ 0.26 /Hr

f. TOTAL OPERATING COST: [Sum 5.a through 5.e] **5. TOTAL:** $ 30.94 /Hr

Page 5 of 6

Figure 2-1. Equipment Rate Computation Worksheet (Continued)

6. **HOURLY RATES**

a. **Total Hourly Rate:** *(based on 40 hours per week)*

(Ownership Cost) + (Operating Cost)
[4.c.] [5.f]

(37.91 /Hr) + (30.94 /Hr) = $ 68.85 /Hr

b. **Standby Hourly Rate:**

[(Depreciation) x 0.50] + (FCCM)
[4.a.(2)] [4.b.(2)]

[(27.78 /Hr) x 0.50] + (10.13 /Hr) = $ 24.02 /Hr

(See Chapter 3 if rate adjustments are necessary.)

Page 6 of 6

Figure 2-1. Equipment Rate Computation Worksheet (Continued)

TABLE 2-1

HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

EXPLANATION OF TABLE HEADINGS

Example unit of equipment: American Crane, Model 5530, 75 Ton, 170-boom. (Based on average condition.)

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

ID NO.: C90AM001 is the unique identification number for the above American Crane. AM = the manufacturer (see APPENDIX H, Manufacturer Codes). 001 = the numeric order of this unit of equipment within the manufacturer's listing.

MODEL: 5530 is the equipment model number.

EQUIPMENT DESCRIPTION: Specific information for each particular unit 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. The American Crane carrier has a 238-horsepower engine and the crane has a 128-horsepower engine. Both engines are diesel (D)

VALUE (TEV): This column reflects the predetermined "equipment cost" used to compute the rates and is based on equipment purchased new in 1990.

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.

ADJUSTABLE ELEMENTS. This column shows ownership elements and fuel costs broken out of the AVERAGE column so they can be adjusted as indicated in Chapter 3. Operating costs may be determined by subtracting the ownership cost elements (DEPR plus FCCM) 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.

CWT: The shipping weight of the equipment is stated in hundredweight.

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
A10	**AGGREGATE/CHIP SPREADERS**										
	0.10 SELF PROPELLED										
		ETNYRE, E.D.									
	A10ET001	C-201-89R2	10' HOPPER, 2WD, MECHANICAL	152 HP D	70,825	16.52	4.23	5.55	1.45	3.58	165
	A10ET002	C-201-89R2	13' HOPPER, 2WD, MECHANICAL	190 HP D	73,823	18.10	4.41	5.79	1.51	4.47	170
	A10ET003	C-202-89R	10' HOPPER, 2WD, HYDROSTATIC	152 HP D	80,394	18.15	4.80	6.31	1.64	3.58	165
	A10ET004	C-202-89R	13' HOPPER, 2WD, HYDROSTATIC	190 HP D	83,591	19.77	5.00	6.57	1.71	4.47	170
		ROSCO									
	A10RS001	SPR-H	CHIP SPREADER, 10' HOPPER	152 HP D	65,203	15.56	3.88	5.10	1.33	3.58	152
	A10RS002	SPR-H	CHIP SPREADER, 13.5' HOPPER	152 HP D	66,444	15.77	3.96	5.20	1.36	3.58	152
	0.20 TOWED & TAILGATE										
		AMERICAN ROAD MACHINERY									
	A10AR001	TG-505C	TAILGATE SPREADER, 8' WIDE (ADD DUMP TRUCK)		2,890	0.72	0.26	0.39	0.06	0.00	5
	A10AR002	ODELL	TOWED SPREADER, 8' WIDE ASPHALT & AGG. SPREADING TO 8" (ADD DUMP TRUCK)		5,561	1.38	0.49	0.74	0.12	0.00	22
A15	**AIR COMPRESSORS, PORTABLE**										
	0.10 ROTARY SCREW										
		NO SPECIFIC MANUFACTURER									
	A15XX001		100 CFM QUIET, 100 PSI (ADD HOSE)	50 HP G	13,052	6.56	0.76	0.96	0.28	3.45	20
	A15XX002		100 CFM QUIET, 100 PSI (ADD HOSE)	35 HP D	15,660	3.89	0.91	1.16	0.33	1.06	26
	A15XX003		125 CFM QUIET, 100 PSI (ADD HOSE)	65 HP G	15,972	8.36	0.93	1.18	0.34	4.49	24

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	A15XX004		125 CFM QUIET, 100 PSI (ADD HOSE)	51 HP D	16,990	4.71	0.99	1.26	0.36	1.54	26
	A15XX005		175 CFM QUIET, 100 PSI (ADD HOSE)	70 HP G	17,433	9.03	1.02	1.29	0.37	4.83	26
	A15XX006		175 CFM QUIET, 100 PSI (ADD HOSE)	65 HP D	19,780	5.70	1.16	1.47	0.42	1.97	28
	A15XX007		185 CFM QUIET, 100 PSI (ADD HOSE)	70 HP G	17,999	9.12	1.05	1.33	0.38	4.83	27
	A15XX008		185 CFM QUIET, 100 PSI (ADD HOSE)	75 HP D	21,232	6.30	1.24	1.57	0.45	2.27	29
	A15XX009		250 CFM QUIET, 100 PSI (ADD HOSE)	95 HP D	29,826	8.44	1.74	2.21	0.63	2.87	35
	A15XX010		375 CFM QUIET, 100 PSI (ADD HOSE)	112 HP D	39,329	10.66	2.27	2.88	0.83	3.39	49
	A15XX011		450 CFM QUIET, 100 PSI (ADD HOSE)	150 HP D	55,678	14.74	3.23	4.11	1.17	4.54	89
	A15XX012		600 CFM QUIET, 100 PSI (ADD HOSE)	200 HP D	62,134	17.68	3.59	4.56	1.31	6.05	99
	A15XX013		750 CFM QUIET, 100 PSI (ADD HOSE)	240 HP D	71,751	20.76	4.15	5.28	1.51	7.26	128
	A15XX014		900 CFM QUIET, 100 PSI (ADD HOSE)	260 HP D	80,631	22.96	4.68	5.95	1.70	7.86	138
	A15XX015		1200 CFM QUIET, 100 PSI (ADD HOSE)	325 HP D	114,068	30.84	6.63	8.46	2.40	9.83	155
	A15XX016		1400 CFM QUIET, 100 PSI (ADD HOSE)	395 HP D	127,662	35.68	7.43	9.47	2.69	11.94	185
	A15XX017		1600 CFM QUIET, 100 PSI (ADD HOSE)	456 HP D	133,810	38.99	7.79	9.94	2.82	13.79	216
	0.20 SHOP TYPE, ELECTRIC										
		COLD JET									
	A15CJ001	65-100C	330 CFM,250 PSI,FOR CO2 BLASTER	175 HP E	25,845	19.32	1.38	1.72	0.52	11.38	44
	A15CJ002	65-200C	850 CFM,290 PSI,FOR CO2 BLASTER	350 HP E	58,268	39.52	3.11	3.88	1.17	22.75	77
A20	AIR HOSE, TOOLS & EQUIPMENT										
	0.10 AIR HOSES										
		NO SPECIFIC MANUFACTURER									
	A20XX001	HARDROCK	AIR HOSE, 3/4" DIAM., 100' LONG		511	0.34	0.08	0.13	0.01	0.00	1
	A20XX002	HARDROCK	AIR HOSE, 1" DIAM., 100' LONG		561	0.36	0.08	0.14	0.01	0.00	1
	A20XX003	HARDROCK	AIR HOSE, 1-1/4" DIAM., 100' LONG		689	0.46	0.11	0.18	0.02	0.00	1
	A20XX004	HARDROCK	AIR HOSE, 1-1/2" DIAM., 100' LONG		811	0.54	0.13	0.21	0.02	0.00	1
	A20XX005	HARDROCK	AIR HOSE, 2" DIAM., 100' LONG		1,140	0.76	0.18	0.29	0.03	0.00	1
	A20XX006	HARDROCK	AIR HOSE, 2-1/2" DIAM., 100' LONG		1,363	0.90	0.21	0.35	0.03	0.00	1
	A20XX007	HARDROCK	AIR HOSE, 3" DIAM., 100' LONG		2,819	1.87	0.43	0.72	0.07	0.00	1
	A20XX008	HARDROCK	AIR HOSE, 4" DIAM., 100' LONG		4,233	2.81	0.65	1.09	0.10	0.00	2
	A20XX009	YELLOW-LINE	AIR HOSE, 3/4" DIAM., 100' LONG		159	0.10	0.02	0.04	0.00	0.00	1

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	FUEL	CWT
	A20XX010	YELLOW-LINE	AIR HOSE, 1" DIAM., 100' LONG		180	0.12	0.03	0.05	0.00	0.00	1
	A20XX011	YELLOW-LINE	AIR HOSE, 1-1/4" DIAM., 100' LONG		442	0.29	0.07	0.11	0.01	0.00	1
	A20XX012	YELLOW-LINE	AIR HOSE, 1-1/2" DIAM., 100' LONG		561	0.36	0.08	0.14	0.01	0.00	1
	A20XX013	YELLOW-LINE	AIR HOSE, 2" DIAM., 100' LONG		661	0.44	0.11	0.17	0.02	0.00	1
	A20XX014	YELLOW-LINE	AIR HOSE, 2-1/2" DIAM., 100' LONG		989	0.65	0.15	0.25	0.02	0.00	1
	A20XX015	YELLOW-LINE	AIR HOSE, 3" DIAM., 100' LONG		1,289	0.85	0.20	0.33	0.03	0.00	1
	A20XX016	YELLOW-LINE	AIR HOSE, 4" DIAM., 100' LONG		1,866	1.23	0.28	0.48	0.04	0.00	1
	0.20 BLAST HOSE										
		NO SPECIFIC MANUFACTURER									
	A20XX017		BLAST HOSE, 1/2"ID, 1-5/32"OD,100'L		415	0.29	0.07	0.11	0.01	0.00	1
	A20XX018		BLAST HOSE, 3/4"ID, 1-1/2"OD,100'L		567	0.40	0.09	0.15	0.01	0.00	1
	A20XX019		BLAST HOSE, 1"ID, 1-7/8"OD,100'L		716	0.50	0.11	0.18	0.02	0.00	1
	A20XX020		BLAST HOSE,1-1/2"ID, 2-3/8"OD,100'L		878	0.62	0.14	0.23	0.02	0.00	1
	0.30 SANDBLASTERS & BREAKERS										
		CLEMCO									
	A20CM001	SCW-1042P	SANDBLASTER, 100 LB CAP. WITH HOSE (1/2" X 25') & ACC (ADD COMPRESSOR)	101 CFM A	1,692	1.01	0.21	0.34	0.04	0.00	3
	A20CM002	SCW-1440P	SANDBLASTER, 150 LB CAP. WITH HOSE (1" X 50') & ACC (ADD COMPRESSOR)	101 CFM A	3,017	1.74	0.37	0.60	0.07	0.00	5
	A20CM003	SCWB-1648P	SANDBLASTER, 300 LB CAP. WITH HOSE (1" X 50') & ACC (ADD COMPRESSOR)	101 CFM A	3,288	1.90	0.41	0.66	0.08	0.00	6
	A20CM004	SCWB-2452HP	SANDBLASTER, 600 LB CAP. WITH HOSE (1-1/4" X 50')& ACC(ADD COMPRESSOR)	216 CFM A	4,469	2.62	0.56	0.89	0.11	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	11,841	6.73	1.47	2.37	0.28	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	13,906	7.94	1.69	2.71	0.33	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	17,338	9.77	2.04	3.25	0.41	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	18,185	10.28	2.13	3.39	0.43	0.00	53

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	A20CM009		STORAGE HOPPER, 640 CUBIC FT CAP 32-TON SAND BULK ABRASIVE STORAGE		9,705	5.71	1.20	1.94	0.23	0.00	55
		GARDNER DENVER									
	A20GD001	SP27E	SPADER, 35 LB, (ADD COMPRESSOR)	32 CFM A	793	0.50	0.10	0.16	0.02	0.00	1
	A20GD002	S58D	SINKER DRILL, DRY GLAND (ADD COMP)	98 CFM A	1,883	1.16	0.23	0.38	0.04	0.00	1
	A20GD003	S58W	SINKER DRILL, WET GLAND (ADD COMP)	98 CFM A	1,990	1.22	0.25	0.40	0.05	0.00	1
	A20GD004	B67C	PAVING BREAKER, 66 LB (ADD COMP)	46 CFM A	962	0.59	0.12	0.19	0.02	0.00	1
	A20GD005	B87C	PAVING BREAKER, 86 LB (ADD COMP)	50 CFM A	1,069	0.66	0.14	0.21	0.03	0.00	1
	A20GD006	S83FM	FEED LEG DRILL,54" TRAVEL(ADD COMP) INCLUDES SWIVEL & POWER RETRACT LEG	103 CFM A	3,641	2.17	0.46	0.73	0.09	0.00	1
		WACKER									
	A20WC001	LHB 5	BREAKER/DRILL, 12 LB (ADD COMP)	20 CFM A	1,125	0.75	0.15	0.23	0.03	0.00	1
	A20WC002	EHB 10/110	BREAKER/DRILL, 40 LB (ADD GEN)	2 HP E	1,488	1.16	0.19	0.30	0.04	0.13	1
	A20WC003	BHB 25	ROCK DRILL/BREAKER, 88 LB	4 HP G	3,692	2.42	0.46	0.74	0.09	0.28	1
	A20WC004	BHF 30S	BREAKER/DRILL, 85 LB	4 HP G	3,763	2.46	0.47	0.75	0.09	0.28	1
A25	**ASPHALT DISTRIBUTORS**										
		ROSCO									
	A25RS001	RES	1,000 GALLON, FOR TRUCK MOUNTING (ADD 18,000 TO 24,000 GVW TRUCK)	50 HP G	31,518	11.36	2.24	3.15	0.66	3.45	69
	A25RS002	RRH	1,000 GAL,HYDROSTATIC,FOR TRUCK MTD (ADD 18,000 TO 24,000 GVW TRUCK)		33,490	8.89	2.38	3.35	0.70	0.00	64
	A25RS003	RES	1,500 GALLON, FOR TRUCK MOUNTING (ADD 24,000 TO 32,000 GVW TRUCK)	50 HP G	32,483	11.58	2.31	3.25	0.68	3.45	73
	A25RS004	RRH	1,500 GAL,HYDROSTATIC,FOR TRUCK MTD (ADD 24,000 TO 32,000 GVW TRUCK)		34,686	9.26	2.47	3.47	0.73	0.00	71
	A25RS005	RES	2,000 GALLON, FOR TRUCK MOUNTING (ADD 32,000 GVW TRUCK)	50 HP G	35,364	12.22	2.51	3.54	0.74	3.45	84
	A25RS006	RRH	2,000 GAL,HYDROSTATIC,FOR TRUCK MTD (ADD 32,000 GVW TRUCK)		37,452	9.97	2.66	3.75	0.78	0.00	77

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	A25RS007	RES	3,000 GALLON, FOR TRUCK MOUNTING (ADD 42,000 GVW TRUCK)	50 HP G	38,289	12.86	2.72	3.83	0.80	3.45	106
	A25RS008	RRH	3,500 GAL,HYDROSTATIC,FOR TRUCK MTD (ADD 42,000 GVW TRUCK)		42,998	11.29	3.05	4.30	0.90	0.00	108
A30	**ASPHALT FINISHERS/PAVERS**										
	0.10	SELF PROPELLED									
		BARBER-GREENE									
	A30BG001	BG220B	8' STD PAVING WIDTH (PNEUMATIC) WITH 15'-6" SCREED EXT.	108 HP D	175,825	38.40	10.50	13.82	3.59	3.27	250
	A30BG002	BG240B	10' STD PAVING WIDTH (PNEUMATIC) WITH 19' SCREED EXT.	115 HP D	213,279	46.10	12.68	16.64	4.36	3.48	290
	A30BG003	BG260B	10' STD PAVING WIDTH (PNEUMATIC) WITH 19' SCREED EXT.	155 HP D	234,230	51.78	13.90	18.21	4.79	4.69	323
	A30BG004	BG225B	8' STD PAVING WIDTH (CRAWLER) WITH 15'-6" SCREED EXT.	108 HP D	202,980	43.52	12.27	16.24	4.15	3.27	275
	A30BG005	BG245B	10' STD PAVING WIDTH (CRAWLER) WITH 19'6" SCREED EXT.	155 HP D	240,879	52.64	14.56	19.27	4.92	4.69	318
	A30BG006	BG265B	10' STD PAVING WIDTH (CRAWLER) WITH 19'6" SCREED EXT.	200 HP D	259,849	58.02	15.71	20.79	5.31	6.05	369
		BLAW-KNOX									
	A30BK003	PF-115	8' STD PAVING WIDTH (PNEUMATIC)	74 HP D	154,137	33.05	9.13	11.95	3.15	2.24	201
	A30BK005	PF-180H	10' STD PAVING WIDTH (PNEUMATIC)	118 HP D	212,428	46.12	12.60	16.51	4.34	3.57	290
	A30BK007	PF-400A	8' STD PAVING WIDTH (CRAWLER)	110 HP D	198,948	42.81	12.03	15.92	4.07	3.33	231
	A30BK008	PF-500	10' STD PAVING WIDTH (CRAWLER)	158 HP D	238,736	52.34	14.43	19.10	4.88	4.78	309
		CATERPILLAR									
	A30CA001	AP-200	9' STD PAVING WIDTH (CRAWLER)	35 HP D	40,687	9.22	2.46	3.25	0.83	1.06	90
	A30CA002	AP-800B	10' STD PAVING WIDTH (PNEUMATIC)	102 HP D	166,827	36.57	9.89	12.95	3.41	3.08	290
	A30CA004	AP-1050	10' STD PAVING WIDTH (PNEUMATIC)	145 HP D	257,697	55.99	15.32	20.09	5.27	4.38	328

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		INGERSOLL-RAND									
	A30IN001	ABG511	PAVER/FINISHER, HEAVY DUTY ADD SCREED (FOR RCC PAVING)	227 HP D	395,333	85.36	23.90	31.63	8.08	6.86	469
	A30IN002	VB 81	3.0 - 8.0M SCREED, SINGLE TAMPER AND VIBRATION SYSTEM, HYDRAULICALLY EXTENDABLE WITH REQUIRED AUGERS, ADD PAVER		114,961	23.84	6.95	9.20	2.35	0.00	52
	A30IN003	MB 120	3.0 - 12.0M SCREED, DUAL TAMPER AND VIBRATION SYSTEM, ADD PAVER		158,674	32.58	9.59	12.69	3.24	0.00	150
	A30IN004	VDT 120	3.0 - 11.5M SCREED, DUAL TAMPER AND VIBRATION SYSTEM, ADD PAVER		179,502	36.89	10.85	14.36	3.67	0.00	180
0.20	TOWED										
		LAYTON									
	A30LA001	F-525	STANDARD PAVING WIDTH 8 FEET	14 HP G	21,335	5.52	1.28	1.67	0.44	0.97	36
	A30LA002	D-550	STANDARD PAVING WIDTH 8 FEET	14 HP G	28,768	6.82	1.72	2.26	0.59	0.97	40
A35	ASPHALT KETTLES										
		AEROIL PRODUCTS									
	A35AE001	KE-B-80KE	80 GALLON, TRAILER MOUNTED		3,179	1.88	0.27	0.40	0.07	0.00	9
	A35AE002	KE-B-115KE	115 GALLON, TRAILER MOUNTED		3,483	2.22	0.30	0.44	0.08	0.00	11
	A35AE003	KE-B-165KE	165 GALLON, TRAILER MOUNTED		4,498	2.61	0.39	0.58	0.10	0.00	12
	A35AE004	KE-B-230KE	230 GALLON, TRAILER MOUNTED		5,670	3.12	0.49	0.73	0.12	0.00	16
	A35AE005	KE-B-330KE	330 GALLON, TRAILER MOUNTED		6,897	3.90	0.57	0.84	0.15	0.00	20

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		ROSCO									
	A35RS001	KB	110 GALLON, TRAILER MOUNTED		4,465	2.44	0.39	0.57	0.10	0.00	13
	A35RS002	KD	225 GALLON, TRAILER MOUNTED		5,390	3.01	0.47	0.70	0.12	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	70,779	16.85	4.16	5.42	1.45	2.33	130
	A40CA002	PR-105	PROFILER, MAX CUT 14.5"W X 6.0"DEEP	90 HP D	119,713	26.77	7.16	9.42	2.45	2.72	170
	A40CA004	PR-450	PROFILER, MAX CUT 75.0"W X 10" DEEP	450 HP D	327,950	80.65	19.82	26.24	6.70	13.61	567
	A40CA005	PR-750B	PROFILER, MAX CUT 120.0"W X 10"DEEP	750 HP D	470,442	119.62	28.43	37.64	9.61	22.68	940
	A40CA006	PR-1000C	PROFILER, MAX CUT 150.0"W X 10"DEEP	1,000 HP D	596,730	153.57	36.06	47.74	12.19	30.24	1,031
		INGERSOLL-RAND									
	A40IN001	MW-175	MILLER,20"W, MAX DEPTH 6.0"	122 HP D	102,391	24.56	6.14	8.10	2.09	3.69	213
	A40IN002	MW-250	MILLER,30"W, MAX DEPTH 6.0"	122 HP D	107,391	25.53	6.44	8.50	2.19	3.69	215
	A40IN003	MW-250C	MILLER,30"W, MAX DEPTH 6.0",W/CONVY	140 HP D	133,574	31.28	8.03	10.59	2.73	4.23	314
	A40IN004	MW-6520HC	MILLER,78"W, MAX DEPTH 6.0",W/CONVY	400 HP D	261,801	65.99	15.78	20.85	5.35	12.10	427
	A40IN005	MT-6520	MILLER,78"W, MAX 6"DEPTH,W/CONV,CWL	400 HP D	304,336	74.20	18.40	24.35	6.22	12.10	615
	A40IN006	MT-7000	MILLER,78"W,MAX 10"DEPTH,W/CONV,CWL	525 HP D	389,072	95.36	23.52	31.13	7.95	15.88	720
A45	**ASPHALT RECYCLERS & SEALERS**										
		AEROIL PRODUCTS									
	A45AE001	HE-PR-52V	RESURFACER-PATCHER, 600,000 BTU INFRA-RED HEATER, TRAILER MOUNTED		7,984	3.31	0.56	0.78	0.17	0.00	11
	A45AE002	HE-PR-96V	RESURFACER-PATCHER, 1,200,000 BTU INFRA-RED HEATER, TRAILER MOUNTED		14,275	5.73	1.01	1.41	0.30	0.00	16
	A45AE003	HE-PR-120V	RESURFACER-PATCHER, 1,420,000 BTU INFRA-RED HEATER, TRAILER MOUNTED		16,833	6.82	1.19	1.67	0.35	0.00	18

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		SEALMASTER									
	A45SE001	50	SEALCOATER, 50" WIDE, 238 GALLON STANDARD SPRAY	18 HP G	10,214	4.91	0.72	1.01	0.21	1.24	21
	A45SE002	12A	SEALCOATER, 50" WIDE, 200 GALLON DUAL SPRAY, SQUEEGEE	20 HP G	13,925	6.17	0.98	1.38	0.29	1.38	27
	A45SE003	72	SEALCOATER, 72" WIDE, 300 GALLON DUAL SPRAY, SQUEEGEE	30 HP G	20,115	9.25	1.39	1.94	0.42	2.07	35
	A45SE004	TR-1000	TANK TRAILER, 1000 GALLON CAPACITY		15,662	4.05	1.07	1.47	0.33	0.00	57
B00	**BACKHOE (SEE HYD. EXCAV.)**										
	**********										
B10	**BATCH PLANTS,ASPHALT & CONCRETE**										
	**********										
	0.20 CONCRETE										
		CEMEN TECH									
	B10CC001	SCD2-50H	STATIONARY CONCRETE DISPENSER, 30 CF CEMENT BIN, 2 CY AGGREGATE BIN, 15 CY/HOUR MAX. OUTPUT	10 HP E	24,127	7.70	1.51	2.05	0.48	0.65	110
	B10CC002	SCD4.5-50H	STATIONARY CONCRETE DISPENSER, 50 CF CEMENT BIN, 4-1/2 CY AGGREGATE BIN, 15 CY/HOUR MAX. OUTPUT	15 HP E	30,789	9.98	1.92	2.62	0.61	0.98	180
	B10CC003	SCD4.5-100H	STATIONARY CONCRETE DISPENSER, 50 CF CEMENT BIN, 4-1/2 CY AGGREGATE BIN, 30 CY/HOUR MAX. OUTPUT	25 HP E	39,196	13.56	2.45	3.33	0.78	1.63	190
	B10CC004	SCD8-100H	STATIONARY CONCRETE DISPENSER, 80 CF CEMENT BIN, 8 CY AGGREGATE BIN, 30 CY/HOUR MAX. OUTPUT	30 HP E	47,065	16.06	2.93	4.00	0.93	1.95	290
	B10CC005	SCD8-150H	STATIONARY CONCRETE DISPENSER, 80 CF CEMENT BIN, 8 CY AGGREGATE BIN, 60 CY/HOUR MAX. OUTPUT	50 HP E	49,467	18.84	3.08	4.20	0.98	3.25	300

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	FUEL	CWT
	B10CC006	SCD12-200E	STATIONARY CONCRETE DISPENSER, 300 BARREL BULK CEMENT SILO FEEDING 50 CF CEMENT HOPPER, 12 CY AGGREGATE BIN, 500 GALLON WATER SYSTEM, 120 CY/HOUR MAX. OUTPUT	40 HP E	115,513	31.58	7.20	9.82	2.29	2.60	300
	B10CC007	MCD2-50HT	MOBILE CONCRETE DISPENSER, 30 CF CEMENT BIN, 2 CY AGGREGATE BIN, 250 GALLON WATER SYSTEM, 15 CY/HOUR OUTPUT, TRAILER MOUNTED	18 HP G	33,082	11.17	2.03	2.76	0.65	1.24	80
	B10CC008	MCD5-100H	MOBILE CONCRETE DISPENSER, 50 CF CEMENT BIN, 5 CY AGGREGATE BIN, 250 GALLON WATER SYSTEM, 30 CY/HOUR OUTPUT, TRUCK MOUNTED	163 HP G	65,902	31.34	3.97	5.33	1.30	11.25	132
	B10CC009	MCD8-100H	MOBILE CONCRETE DISPENSER, 85 CF CEMENT BIN, 8 CY AGGREGATE BIN, 400 GALLON WATER SYSTEM, 30 CY/HOUR MAX. OUTPUT, TRUCK MOUNTED	200 HP G	89,576	39.80	5.35	7.16	1.77	13.80	194
	B10CC010	MCD8-150H	MOBILE CONCRETE DISPENSER, 85 CF CEMENT BIN, 8 CY AGGREGATE BIN, 400 GALLON WATER SYSTEM, 60 CY/HOUR OUTPUT, TRUCK MOUNTED	200 HP G	96,136	41.35	5.76	7.71	1.90	13.80	204
	B10CC011	HS-240	HORIZONTAL BULK CEMENT SILO, 240 BARREL/38 TON CAPACITY	20 HP E	18,966	6.58	1.19	1.61	0.38	1.30	45
	B10CC012		210 (840 CF) BARREL BULK STORAGE CEMENT SILO	18 HP G	13,210	4.96	0.82	1.12	0.26	1.24	35
	B10CC013		300 (1200 CF) BARREL BULK STORAGE CEMENT SILO	18 HP G	17,068	5.78	1.07	1.45	0.34	1.24	48
	B10CC014		CEMENT BAG LOADING AUGER, 6 IN. DIA., 19 FT. LONG, ADJUSTABLE TO DISCHARGE OF 13-1/2 FT.	5 HP E	5,867	2.13	0.37	0.50	0.12	0.33	10

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		CON-E-CO									
	B10CL001	LO-PRO 10	CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE BATCHER, 50 CY AGGREGATE BIN, 10 CY CEMENT BATCHER, 215 BARRELS MAX./179 MIN. CAPACITY CEMENT SILO , THEORETICAL CAPACITY OF 200 CY/HR	60 HP E	106,896	30.75	6.58	8.92	2.12	3.90	400
	B10CL002	LO-PRO 12	CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 50 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 215 BARRELS MAX./179 MIN. CAPACITY CEMENT SILO , THEORETICAL CAPACITY OF 240 CY/HR	60 HP E	112,742	32.41	6.94	9.42	2.23	3.90	425
	B10CL003	LO-PRO 5	CONCRETE BATCHING PLANT WITH 5 CY AGGREGATE BATCHER, 26 CY AGGREGATE BIN, 5 CY CEMENT BATCHER, 205 BARRELS MAX./170 MIN. CAPACITY CEMENT SILO , THEORETICAL CAPACITY OF 100 CY/HR	45 HP E	99,334	27.35	6.15	8.36	1.97	2.93	380
	B10CL004	LO-PRO 10 HP	CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE BATCHER, 35 CY AGGREGATE BIN, 10 CY CEMENT BATCHER, 215 BARRELS MAX./179 MIN. CAPACITY CEMENT SILO , THEORETICAL CAPACITY OF 200 CY/HR	80 HP E	141,074	39.34	8.70	11.82	2.79	5.20	400
	B10CL005	LO-PRO 10T-CM	CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE BATCHER, 35 CY AGGREGATE BIN, 10 CY CEMENT BATCHER, 215 BARRELS MAX./179 MIN. CAPACITY CEMENT SILO , THEORETICAL CAPACITY OF 275 CY/HR	120 HP E	153,083	45.84	9.45	12.84	3.03	7.80	400

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	FUEL	CWT
	B10CL006	LO-PRO 12T-CM	CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 35 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 215 BARRELS MAX./179 MIN. CAPACITY CEMENT SILO , THEORETICAL CAPACITY OF 330 CY/HR	120 HP E	159,205	47.05	9.83	13.36	3.15	7.80	425
	B10CL007	LO-PRO 10CM	CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE BATCHER, 35 CY AGGREGATE BIN, 10 CY CEMENT BATCHER, 215 BARRELS MAX./179 MIN. CAPACITY CEMENT SILO , THEORETICAL CAPACITY OF 300 CY/HR	295 HP E	166,938	64.93	10.31	14.02	3.30	19.18	400
	B10CL008	LO-PRO SUPER	CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE BATCHER, 48 CY AGGREGATE BIN, 10 CY CEMENT BATCHER, 243 BARRELS MAX./202 MIN. CAPACITY CEMENT SILO , THEORETICAL CAPACITY OF 480 CY/HR	345 HP E	185,996	73.74	11.50	15.64	3.68	22.43	500
	B10CL009	ALL-PRO 10	CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE BATCHER, 50 CY AGGREGATE BIN, 10 CY CEMENT BATCHER, 400 BARRELS MAX./333 MIN. CAPACITY CEMENT SILO , THEORETICAL CAPACITY OF 200 CY/HR	40 HP E	95,006	25.54	5.87	7.98	1.88	2.60	425
	B10CL011	MODULR 12	CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 84 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 400 BARRELS MAX./333 MIN. CAPACITY CEMENT SILO , THEORETICAL CAPACITY OF 200 CY/HR	45 HP E	134,730	34.35	8.40	11.45	2.67	2.93	500
	B10CL012	MODULR 12 HP	CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 84 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 400 BARRELS MAX./333 MIN. CAPACITY CEMENT SILO , THEORETICAL CAPACITY OF 275 CY/HR	60 HP E	143,003	37.85	8.91	12.16	2.83	3.90	525

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	ADJUSTABLE ELEMENTS OWNERSHIP FUEL	CWT
	B10CL013	MODULR 12 HPCM	CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 84 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 400 BARRELS MAX./333 MIN. CAPACITY CEMENT SILO , THEORETICAL CAPACITY OF 275 CY/HR	260 HP E	164,249	61.15	10.23	13.96	3.25	16.90	525
	B10CL014	MODULR 12 SUPER	CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 84 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 400 BARRELS MAX./333 MIN. CAPACITY CEMENT SILO , THEORETICAL CAPACITY OF 575 CY/HR	330 HP E	185,742	72.26	11.58	15.79	3.68	21.45	575
	B10CL015	PLP MODEL 12	PORTABLE LOW PROFILE CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 60 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 405 BARRELS MAX./338 MIN.CEMENT SILO, THEORETICAL CAPACITY OF 200 CY/HR	30 HP E	85,868	22.27	5.35	7.30	1.70	1.95	380
	B10CL016	PLP MODEL 10 CM	PORTABLE LOW PROFILE CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE BATCHER, 60 CY AGGREGATE BIN, 10 CY CEMENT BATCHER, 405 BARRELS MAX./338 MIN.CEMENT SILO, THEORETICAL CAPACITY OF 300 CY/HR	40 HP E	138,382	34.11	8.62	11.76	2.74	2.60	350
	B10CL017	PLP MODEL 12 CM	PORTABLE LOW PROFILE CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 60 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 405 BARRELS MAX./338 MIN.CEMENT SILO, THEORETICAL CAPACITY OF 360 CY/HR	40 HP E	143,228	35.07	8.92	12.17	2.83	2.60	380
	B10CL018	PLP SUPER 10	PORTABLE LOW PROFILE CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE BATCHER, 60 CY AGGREGATE BIN, 10 CY CEMENT BATCHER, 405 BARRELS MAX./338 MIN.CEMENT SILO, THEORETICAL CAPACITY OF 480 CY/HR	75 HP E	167,550	43.58	10.44	14.24	3.32	4.88	380

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	FUEL	CWT
	B10CL019	PLP SUPER 12	PORTABLE LOW PROFILE CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 60 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 405 BARRELS MAX./338 MIN.CEMENT SILO, THEORETICAL CAPACITY OF 575 CY/HR	300 HP E	173,065	66.52	10.79	14.71	3.43	19.50	500
	B10CL020	SLP MODEL 12	STATIONARY LOW PROFILE CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 48 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 270 BARRELS MAX./225 MIN.CEMENT SILO, THEORETICAL CAPACITY OF 200 CY/HR	40 HP E	95,639	25.62	5.96	8.13	1.89	2.60	380
	B10CL021	VERSA-PLANT 10	10 CY CAPACITY PORTABLE CONCRETE BATCHING PLANT, WITH STANDARD ACCESSORIES	35 HP E	42,290	14.10	2.60	3.52	0.84	2.28	190
	B10CL024	MTM 12	STATIONARY 12 CY TILT MIXER , 11 FT. 8 IN. DIA. WITH 12 MIXING BLADES	200 HP E	143,560	50.11	8.94	12.20	2.84	13.00	90
	B10CL025	MTM 12	TRAILER MOUNTED 12 CY TILT MIXER, 11 FT. 8 IN. DIA. WITH REMOVABLE AXLES	200 HP E	160,101	53.44	9.94	13.54	3.17	13.00	130
	B10CL026		1080 CF (270 BARREL MAX./225 MIN.) CEMENT STORAGE SILO WITH DRIVE-THROUGH TYPE UNDERSTRUCTURE		13,180	2.62	0.82	1.12	0.26	0.00	100
	B10CL027		1560 CF (390 BARREL MAX./325 MIN.) CEMENT STORAGE SILO WITH DRIVE-THROUGH TYPE UNDERSTRUCTURE		15,164	3.01	0.95	1.29	0.30	0.00	144
	B10CL028		2040 CF (510 BARREL MAX./425 MIN.) CEMENT STORAGE SILO WITH DRIVE-THROUGH TYPE UNDERSTRUCTURE		17,665	3.51	1.10	1.50	0.35	0.00	189
	B10CL029		2400 CF (600 BARREL MAX./500 MIN.) CEMENT STORAGE SILO WITH DRIVE-THROUGH TYPE UNDERSTRUCTURE		20,700	4.11	1.29	1.76	0.41	0.00	222
	B10CL030		3000 CF (750 BARREL MAX./625 MIN.) CEMENT STORAGE SILO WITH DRIVE-THROUGH TYPE UNDERSTRUCTURE		28,671	5.70	1.79	2.44	0.57	0.00	278
	B10CL031		4000 CF (1000 BARREL MAX./833 MIN.) CEMENT STORAGE SILO WITH DRIVE-THROUGH TYPE UNDERSTRUCTURE		42,302	8.41	2.64	3.60	0.84	0.00	370

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	B10CL032		12 IN. DIA. SCREW CONVEYOR, 10 FT. LONG FOR CEMENT	10 HP E	3,096	2.01	0.19	0.26	0.06	0.65	10
	B10CL033		12 IN. DIA. SCREW CONVEYOR, 15 FT. LONG FOR CEMENT	15 HP E	3,789	2.71	0.23	0.32	0.07	0.98	15
	B10CL034		12 IN. DIA. SCREW CONVEYOR, 20 FT. LONG FOR CEMENT	20 HP E	4,067	3.32	0.26	0.35	0.08	1.30	20
	B10CL035		12 IN. DIA. SCREW CONVEYOR, 25 FT. LONG FOR CEMENT	25 HP E	6,055	4.27	0.38	0.51	0.12	1.63	25
	B10CL036		9 IN. DIA. SCREW CONVEYOR, 10 FT. LONG FOR CEMENT	8 HP E	2,579	1.63	0.16	0.22	0.05	0.52	9
	B10CL038		9 IN. DIA. SCREW CONVEYOR, 15 FT. LONG FOR CEMENT	15 HP E	3,207	2.54	0.20	0.27	0.06	0.98	12
	B10CL040		9 IN. DIA. SCREW CONVEYOR, 20 FT. LONG FOR CEMENT	20 HP E	3,568	3.17	0.22	0.30	0.07	1.30	16
	B10CL041		9 IN. DIA. SCREW CONVEYOR, 25 FT. LONG FOR CEMENT	20 HP E	4,057	3.31	0.25	0.34	0.08	1.30	19
	B10CL042		6 IN. DIA. SCREW CONVEYOR, 10 FT. LONG FOR CEMENT	5 HP E	2,356	1.28	0.15	0.20	0.05	0.33	5
	B10CL043		6 IN. DIA. SCREW CONVEYOR, 15 FT. LONG FOR CEMENT	8 HP E	2,846	1.74	0.18	0.24	0.06	0.52	8
	B10CL045		6 IN. DIA. SCREW CONVEYOR, 20 FT. LONG FOR CEMENT	10 HP E	3,198	2.08	0.20	0.27	0.06	0.65	11
	B10CL046		6 IN. DIA. SCREW CONVEYOR, 25 FT. LONG FOR CEMENT	10 HP E	3,540	2.20	0.22	0.30	0.07	0.65	13
		IDEAL MFG.									
	B10IE001	FAST-WAY BATCH PLANT	6 CY BATCH PLANT, NO CEMENT SILO OR AGGREGATE STORAGE BIN, CHARGING BY FRONT-END LOADER	3 HP E	28,673	7.50	1.78	2.41	0.57	0.20	64
	B10IE002	FAST-WAY CEMENT SILO	1155 CF (275 BARREL) CEMENT STORAGE SILO WITH SELF-ERECTING HYDRAULIC SYSTEM	5 HP E	34,923	8.90	2.18	2.97	0.69	0.33	136
	B10IE003	FAST-WAY CEMENT AUGER	6 IN. DIAMETER SCREW CONVEYOR, 18 FT. 11 IN. LONG, USED FOR BAGGED CEMENT	3 HP E	4,043	1.58	0.25	0.34	0.08	0.20	10

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		ROSS COMPANY									
	B10RC001	BOSS V.P.	MOBILE CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 83 TON/61.5 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 316 BARRELS MAX./263 MIN. CAPACITY CEMENT SILO	53 HP E	93,629	28.33	5.71	7.72	1.85	3.41	480
	B10RC002	BOSS	MOBILE CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 83 TON/61.5 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 346 BARRELS MAX./289 MIN. CAPACITY CEMENT SILO	25 HP E	90,643	23.01	5.53	7.47	1.79	1.63	470
	B10RC003	BOSS EXECUTIVE	MOBILE CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 83 TON/61.5 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 346 BARRELS MAX./289 MIN. CAPACITY CEMENT SILO	55 HP E	117,981	33.70	7.18	9.70	2.33	3.58	600
	B10RC004	110 RUSTLER	MOBILE CONCRETE BATCHING PLANT WITH 5 CY AGGREGATE WEIGH BATCHER, 36.5 TON/27 CY AGGREGATE BIN, 5 CY CEMENT WEIGH BATCHER, 225 BARRELS MAX./187 MIN. CAPACITY CEMENT SILO, 110 CY/HOUR OUTPUT	30 HP E	89,085	23.63	5.44	7.35	1.76	1.95	325
	B10RC005	160 RUSTLER	MOBILE CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE WEIGH BATCHER, 60.75 TON/45 CY AGGREGATE BIN, 10 CY CEMENT WEIGH BATCHER, 300 BARRELS MAX./250 MIN. CAPACITY CEMENT SILO, 160 CY/HOUR OUTPUT	43 HP E	116,708	32.38	7.10	9.57	2.31	2.80	460
	B10RC006	RUSTLER II	MOBILE CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 70 TON/51.8 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 342 BARRELS MAX./285 MIN. CAPACITY CEMENT SILO, 160 CY/HOUR OUTPUT	46 HP E	99,619	28.70	6.03	8.11	1.97	2.96	489

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	ADJUSTABLE ELEMENTS OWNERSHIP FUEL	CWT
	B10RC007	BANDIT	MOBILE CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE BATCHER, 64.3 TON/47.6 CY AGGREGATE BIN, 10 CY CEMENT BATCHER, 385 BARRELS MAX./321 MIN. CAPACITY CEMENT SILO, 200 CY/HOUR OUTPUT	23 HP E	83,328	21.31	5.07	6.84	1.65	1.46	420
	B10RC008	BTR BANDIT	MOBILE CONCRETE BATCHING PLANT W/12 CY AGGR. BATCHER, 64.3 TON/47.6 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 439 BARRELS MAX./411 MIN. CAPACITY CEMENT SILO, 200 CY/HOUR OUTPUT	23 HP E	89,034	22.45	5.43	7.33	1.76	1.46	250
	B10RC009	100 UNIPLANT	MOBILE CONCRETE BATCHING PLANT WITH 4 CY AGGREGATE BATCHER, 36.45 TON/27 CY AGGREGATE BIN, 4 CY CEMENT BATCHER, 224 BARRELS MAX./186 MIN. CAPACITY CEMENT SILO, 100 CY/HOUR OUTPUT	37 HP E	86,329	23.67	5.27	7.11	1.71	2.37	300
	B10RC010	SUPER 100 UNIPLANT	MOBILE CONCRETE BATCHING PLANT WITH 5 CY AGGREGATE WEIGHING HOPPER, 43.2 TON/32 CY AGGREGATE BIN, 5 CY CEMENT BATCHER, 273 BARRELS MAX./227 MIN. CAPACITY CEMENT SILO, 110 CY/HOUR OUTPUT	37 HP E	96,104	25.61	5.87	7.94	1.90	2.37	360
	B10RC011	135 UNIPLANT	MOBILE CONCRETE BATCHING PLANT WITH 8 CY AGGREGATE BATCHER, 60.75 TON/45 CY AGGREGATE BIN, 8 CY CEMENT BATCHER, 275 BARRELS MAX./230 MIN. CAPACITY CEMENT SILO, 150 CY/HOUR OUTPUT	48 HP E	101,381	29.28	6.14	8.26	2.01	3.12	400
	B10RC012	XHPT-12	MODULAR BATCH PLANT, 4 AGGREGATE COMPARTMENTS WITH 239 TON CAPACITY, 1 CEMENT COMPARTMENT, 12 CY BATCHER	15 HP E	181,626	42.19	11.31	15.44	3.59	0.98	500
	B10RC013	HPXT-12	MODULAR BATCH PLANT, 3 AGGREGATE COMPARTMENTS WITH 300 TON CAPACITY, 1 CEMENT COMPARTMENT, 12 CY BATCHER	15 HP E	228,881	51.83	14.26	19.45	4.53	0.98	525

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR)		ADJUSTABLE ELEMENTS OWNERSHIP			CWT
						AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	B10RC014	WHPT-12	MODULAR BATCH PLANT, 4 AGGREGATE COMPARTMENTS WITH 222 TON CAPACITY, 1 CEMENT COMPARTMENT, 12 CY BATCHER	15 HP E	182,773	42.43	11.39	15.54	3.62	0.98	500
	B10RC015	HPWT-12	MODULAR BATCH PLANT, 4 AGGREGATE COMPARTMENTS WITH 300 TON CAPACITY, 1 CEMENT COMPARTMENT, 12 CY BATCHER	15 HP E	230,030	52.06	14.33	19.55	4.55	0.98	525
	B10RC016	MOBILE MIXER	4.5 CY PORTABLE MIXER WITH 44 FT. ATTACHED CONVEYOR	75 HP E	194,998	51.53	11.90	16.08	3.86	4.88	420
	B10RC017	COMPUMIX	PORTABLE MIXING PLANT WITH 4.5 CY MIXER, 5 CY AGGREGATE BATCHER, 5 CY CEMENT BATCHER, 24 FT. ATTACHED CONVEYOR FOR RCC MIXES	30 HP E	318,254	70.87	19.57	26.54	6.30	1.95	420
	B10RC023	60 UNIMIX	MOBILE BATCH PLANT-MIXER COMBINATION WITH 2 CY MIXING DRUM, 34 CY/45.9 TON AGGREGATE BIN CAPACITY, 258 BARRELS MAX./215 MIN. CEMENT STORAGE CAPACITY, 60 CY/HOUR OUTPUT	40 HP E	192,777	47.11	11.89	16.14	3.82	2.60	530
	B10RC024	100 UNIMIX	MOBILE BATCH PLANT-MIXER COMBINATION WITH 3.5 CY MIXING DRUM, 34 CY/45.9 TON AGGREGATE BIN CAPACITY, 256 BARRELS MAX./213 MIN. CEMENT STORAGE CAPACITY, 100 CY/HOUR OUTPUT	60 HP E	216,697	54.75	13.31	18.03	4.29	3.90	600
	B10RC025	120 UNIMIX	MOBILE BATCH PLANT-MIXER COMBINATION WITH 4.5 CY MIXING DRUM, 58 CY/78.3 TON AGGREGATE BIN CAPACITY, 257 BARRELS MAX./214 MIN. CEMENT STORAGE CAPACITY, 120 CY/HOUR OUTPUT	80 HP E	230,896	60.38	14.19	19.24	4.57	5.20	720
	B10RC026	USA CENTRAL MIX PLANT	MOBILE CENTRAL MIX PLANT WITH 105.7 CY/142.7 TON AGGREGATE BIN CAPACITY, 469 BARRELS MAX./391 MIN. CEMENT STORAGE CAPACITY, 47.5 FT. ATTACHED CONVEYOR, 350 CY/HOUR OUTPUT	120 HP E	571,613	133.23	35.14	47.65	11.31	7.80	800

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	ADJUSTABLE ELEMENTS OWNERSHIP FUEL	CWT
		STEPHENS MFG.								
	B10SN001	21ST 100-3	10 CY AGGREGATE BATCHER SECTION WITH 100-TON 3 COMPARTMENT BIN	55,296	12.48	3.44	4.70	1.09	0.00	300
	B10SN002	21ST 100-4	10 CY AGGREGATE BATCHER SECTION WITH 100-TON 4 COMPARTMENT BIN	58,479	13.22	3.65	4.97	1.16	0.00	320
	B10SN003	21ST 150-3	10 CY AGGREGATE BATCHER SECTION WITH 150-TON 4 COMPARTMENT BIN	61,901	13.95	3.86	5.26	1.23	0.00	340
	B10SN004	21ST 150-3	10 CY AGGREGATE BATCHER SECTION WITH 200-TON 3 COMPARTMENT BIN	63,003	14.18	3.93	5.36	1.25	0.00	360
	B10SN005	21ST 150-4	10 CY AGGREGATE BATCHER SECTION WITH 200-TON 4 COMPARTMENT BIN	67,525	15.12	4.21	5.74	1.34	0.00	400
	B10SN006	21ST 200-3	10 CY AGGREGATE BATCHER SECTION WITH 250-TON 3 COMPARTMENT BIN	67,991	15.21	4.24	5.78	1.35	0.00	480
	B10SN007	21ST 200-4	10 CY AGGREGATE BATCHER SECTION WITH 250-TON 4 COMPARTMENT BIN	73,222	16.30	4.56	6.22	1.45	0.00	500
	B10SN008	21ST 300-3	10 CY AGGREGATE BATCHER SECTION WITH 300-TON 3 COMPARTMENT BIN	73,824	16.42	4.60	6.28	1.46	0.00	560
	B10SN009	21ST 300-4	10 CY AGGREGATE BATCHER SECTION WITH 300-TON 4 COMPARTMENT BIN	80,424	17.83	5.01	6.84	1.59	0.00	580
	B10SN010	21ST 350	10FT DIAMETER CEMENT SILO W/BATCHER 1405CF, 66-TON CAPACITY	28,997	7.05	1.80	2.46	0.57	0.00	170
	B10SN011	21ST 450	10FT DIAMETER CEMENT SILO W/BATCHER 1806CF, 85-TON CAPACITY	30,438	7.35	1.90	2.59	0.60	0.00	185
	B10SN012	21ST 550	10FT DIAMETER CEMENT SILO W/BATCHER 2207CF, 104-TON CAPACITY	31,508	7.56	1.96	2.68	0.62	0.00	200
	B10SN013	21ST 650	11FT 4IN DIA. CEMENT SILO W/BATCHER 2612CF, 123-TON CAPACITY	34,299	8.17	2.14	2.92	0.68	0.00	240
	B10SN014	21ST 650-2	11FT 4IN DIA 2-COMP CEMENT SILO W/ BATCHER, 2612CF, 123-TON CAPACITY	48,899	11.22	3.05	4.16	0.97	0.00	340
	B10SN015	21ST 750	11FT 4IN DIA. CEMENT SILO W/BATCHER 3006CF, 141-TON CAPACITY	36,810	8.72	2.30	3.13	0.73	0.00	270
	B10SN016	21ST 750-2	11FT 4IN DIA 2-COMP CEMENT SILO W/ BATCHER, 3006CF, 141-TON CAPACITY	52,022	11.83	3.24	4.42	1.03	0.00	390
	B10SN017	21ST 850	11FT 4IN DIA CEMENT SILO W/BATCHER 3410CF, 160-TON CAPACITY	40,533	9.46	2.53	3.45	0.80	0.00	300
	B10SN018	21ST 850-2	11FT 4IN DIA 2-COMP CEMENT SILO W/ BATCHER, 3410CF, 160-TON CAPACITY	55,301	12.53	3.44	4.70	1.09	0.00	440

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	B10SN019	21ST MS350	10FT DIAMETER MATERIAL STORAGE SILO 1405 CF, 66-TON CAPACITY		20,916	5.35	1.30	1.78	0.41	0.00	160
	B10SN020	21ST MS450	10FT DIAMETER MATERIAL STORAGE SILO 1806 CF, 85-TON CAPACITY		21,985	5.57	1.38	1.87	0.44	0.00	175
	B10SN021	21ST MS550	10FT DIAMETER MATERIAL STORAGE SILO 2207 CF, 104-TON CAPACITY		23,055	5.78	1.44	1.96	0.46	0.00	190
	B10SN022	21ST MS650	11FT 4IN DIA. MATERIAL STORAGE SILO 2612 CF, 123-TON CAPACITY		25,846	6.39	1.61	2.20	0.51	0.00	230
	B10SN023	21ST MS650-2	11FT4IN DIA 2-COMP MATERIAL STORAGE SILO, 2612 CF, 123-TON CAPACITY		40,454	9.44	2.52	3.44	0.80	0.00	330
	B10SN024	21ST MS750	11FT 4-N DIA MATERIAL STORAGE SILO 3006 CF, 141-TON CAPACITY		28,357	6.93	1.77	2.41	0.56	0.00	260
	B10SN025	21ST MS750-2	11FT4IN DIA 2-COMP MATERIAL STORAGE 3006 CF, 141-TON CAPACITY		43,577	10.05	2.71	3.70	0.86	0.00	380
	B10SN026	21ST MS850	11FT 4-N DIA MATERIAL STORAGE SILO 3410 CF, 160-TON CAPACITY		32,080	7.67	2.00	2.73	0.63	0.00	290
	B10SN027	21ST MS850-2	11FT4IN DIA 2-COMP MATERIAL STORAGE 3410 CF, 160-TON CAPACITY		46,881	10.81	2.92	3.98	0.93	0.00	430
	B10SN028	EAGLE1077	200-TON DUAL COMPARTMENT SILO 160 CY CAPACTIY		59,416	13.41	3.71	5.05	1.18	0.00	180
	B10SN029	EAGLE 1341	250-TON DUAL COMPARTMENT SILO 199 CY CAPACTIY		68,551	15.33	4.28	5.83	1.36	0.00	600
	B10SN030	EAGLE 1605	300-TON DUAL COMPARTMENT SILO 238 CY CAPACTIY		76,495	16.99	4.76	6.50	1.51	0.00	700
	B10SN031	DC-12	12CY DECUMULATING AGGREG BATCHER 2-COMPARTMENT	10 HP E	31,779	8.51	1.98	2.70	0.63	0.65	130
	B10SN032	DC-12	12CY DECUMULATING AGGREG BATCHER 2-COMPARTMENT, WITH STRUCTURE FOR AGGREGATE BINS	10 HP E	32,802	8.72	2.05	2.79	0.65	0.65	140
		VINCE HAGAN COMPANY									
	B10VI001	HT-10, 250A-45	MOBILE CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE WEIGH BATCHER, 45 TON/33.3 CY AGGREGATE BIN, 10 YARD/111 CF CEMENT WEIGH BATCHER, 271 BARRELS MAX./226 BARRELS MIN. CEMENT SILO	20 HP E	94,045	22.27	5.69	7.66	1.86	1.30	425

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	B10VI002	HT-10, 250A	MOBILE CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE WEIGH BATCHER, NO OVERHEAD AGGREGATE BIN, 10 YARD/111 CF CEMENT WEIGH BATCHER, 262 BARRELS MAX./218 BARRELS MIN. CEMENT SILO	15 HP E	77,348	17.96	4.70	6.33	1.53	0.98	400
	B10VI003	HSM-10,000A	STATIONARY MODULAR CONCRETE BATCH PLANT, 10 CY AGGREGATE WEIGH BATCHER, NO OVERHEAD AGGREGATE BIN, 10 YARD/111 CF CEMENT WEIGH BATCHER, NO CEMENT SILO	15 HP E	71,085	16.72	4.31	5.80	1.41	0.98	375
	0.30 PUGMILL										
		KOLMAN									
	B10KL001	Model 707	PORT. PUG. W/24" BELT X 50'CONVEYOR 8 CY HOPPER,& ASPHALT PUMPING SYST.	110 HP D	81,578	20.50	4.99	6.75	1.61	3.33	235
	B10KL004	Model 707	PORT. PUG. W/30" BELT X 50'CONVEYOR 10 CY HOPPER,& ASPHALT PUMPING SYST.	110 HP D	84,207	21.05	5.15	6.95	1.67	3.33	250
	B10KL005	Model 707	PORT. PUG. W/36" BELT X 50'CONVEYOR 10 CY HOPPER,& ASPHALT PUMPING SYST.	110 HP D	87,539	21.77	5.33	7.19	1.73	3.33	266
B15	BROOMS, STREET SWEEPERS & FLUSHERS										
		ALLMAND BROS.									
	B15AB001	MODEL 6600	MAXI-SWEEP, 7.5'MAX WIDTH,SELF-PROP	76 HP D	32,771	9.88	2.30	3.21	0.69	2.30	65
		INGRAM									
	B15IG001	POWERBROOM	POWER BROOM, 8', SELF-PROPELLED	76 HP D	25,516	8.36	1.74	2.41	0.53	2.30	40
		M-B									
	B15MB001	MT	SWEEPER,HYDR LIFT,7 FT,ADD TRACTOR PTO DRIVE W/SPRINKLER		3,928	0.93	0.28	0.39	0.08	0.00	10

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	B15MB002	HT	SWEEPER,HYDR LIFT,7 FT,ADD TRACTOR HYDRAULIC DRIVE W/SPRINKLER		6,673	1.57	0.48	0.67	0.14	0.00	14
	B15MB003	53T	SWEEPER, HYDR LIFT, 7 FT, TOWED MECH DRIVE W/SPRINKLER		7,217	1.78	0.50	0.69	0.15	0.00	18
	B15MB004	53MH	SWEEPER, HYDR LIFT, 7 FT, TOWED MOTOR DRIVEN W/SPRINKLER	18 HP G	8,254	3.26	0.57	0.79	0.17	1.24	17
		ROSCO									
	B15RS001	RB-38	STREET SWEEPER, 8' BRUSH,SELF-PROP.	76 HP D	25,189	8.25	1.77	2.47	0.53	2.30	55
	B15RS002	MTA-H	STREET FLUSHER, 1,600 GAL, TRK MTD (ADD 18,000 TO 24,000 GVW TRUCK)		22,542	5.30	1.60	2.25	0.47	0.00	46
	B15RS003	MTA-H	STREET FLUSHER, 2,500 GAL, TRK MTD (ADD 24,000 TO 32,000 GVW TRUCK)		24,626	5.85	1.75	2.46	0.52	0.00	54
	B15RS004	MTA-H	STREET FLUSHER, 3500 GAL, TRK MTD (ADD 42,000 GVW TRUCK)		26,067	6.26	1.86	2.61	0.55	0.00	60
B20	**BRUSH CHIPPERS**										
		CHIPMORE									
	B20CI001	TM-30	SMALL CHIPPER, TRAILER-MOUNTED	18 HP G	5,015	2.72	0.36	0.49	0.11	1.24	9
	B20CI002	TM-32	6" CAPACITY, TRAILER-MOUNTED	30 HP G	9,755	4.83	0.68	0.96	0.20	2.07	21
	B20CI003	TM-120-G-6	12" CAPACITY, TRAILER-MOUNTED	60 HP G	12,108	8.00	0.85	1.19	0.25	4.14	36
	B20CI004	TM-120-D2	12" CAPACITY, TRAILER-MOUNTED	76 HP D	13,775	5.95	0.97	1.36	0.29	2.30	42
	B20CI005	TM-80-GI	6" CAPACITY, TRAILER-MOUNTED	37 HP G	9,201	5.32	0.64	0.90	0.19	2.55	37
	B20CI006	TM-160-D4	16" CAPACITY, TRAILER-MOUNTED	76 HP D	14,096	6.03	1.00	1.39	0.30	2.30	44
	B20CI007	TM-400-D4	16" CAPACITY ,TWIN-FEED, TRLR-MTD	76 HP D	14,624	6.15	1.03	1.43	0.31	2.30	44
		VERMEER									
	B20VE001	1600A	6" DIAMETER LOG CAPACITY, TRLR MTD	99 HP G	14,417	11.98	1.01	1.42	0.30	6.83	46
	B20VE002	1250	12" DIAMETER LOG CAPACITY, TRLR MTD	96 HP G	19,895	12.94	1.40	1.96	0.42	6.62	51

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	ADJUSTABLE ELEMENTS OWNERSHIP FUEL	CWT
B25	**BUCKETS, CLAMSHELL**									
		ESCO								
	B25ES001	GPS-5R26	.625 CY, GEN. PURPOSE/SQUARE NOSE	12,564	2.15	0.79	1.07	0.25	0.00	28
	B25ES002	GPS-6R32	.750 CY, GEN. PURPOSE/SQUARE NOSE	13,381	2.29	0.83	1.14	0.26	0.00	32
	B25ES003	GPS-7R34	.875 CY, GEN. PURPOSE/SQUARE NOSE	14,634	2.50	0.91	1.24	0.29	0.00	40
	B25ES004	GPS-9R38	1.125 CY, GEN. PURPOSE/SQUARE NOSE	15,704	2.68	0.98	1.33	0.31	0.00	44
	B25ES005	GPS-12R41	1.500 CY, GEN. PURPOSE/SQUARE NOSE	16,841	2.88	1.05	1.43	0.33	0.00	47
	B25ES006	GPS-14R43	1.750 CY, GEN. PURPOSE/SQUARE NOSE	22,516	3.86	1.41	1.91	0.45	0.00	65
	B25ES007	GPS-17R46	2.125 CY, GEN. PURPOSE/SQUARE NOSE	24,795	4.25	1.55	2.11	0.49	0.00	68
	B25ES008	GPS-19R48	2.375 CY, GEN. PURPOSE/SQUARE NOSE	26,148	4.48	1.63	2.22	0.52	0.00	73
	B25ES009	GPS-24R51	3.000 CY, GEN. PURPOSE/SQUARE NOSE	34,077	5.83	2.12	2.90	0.67	0.00	94
	B25ES010	GPS-28R56	3.500 CY, GEN. PURPOSE/SQUARE NOSE	36,096	6.18	2.25	3.07	0.71	0.00	99
	B25ES011	GPS-32R60	4.000 CY, GEN. PURPOSE/SQUARE NOSE	39,016	6.68	2.43	3.32	0.77	0.00	110
	B25ES012	GPS-38R60	4.750 CY, GEN. PURPOSE/SQUARE NOSE	42,963	7.35	2.68	3.65	0.85	0.00	120
	B25ES013	GPS-40R60	5.000 CY, GEN. PURPOSE/SQUARE NOSE	46,467	7.96	2.90	3.95	0.92	0.00	132
	B25ES014	GPS-50R67	6.250 CY, GEN. PURPOSE/SQUARE NOSE	49,350	8.45	3.08	4.19	0.98	0.00	146
	B25ES015	GPS-54R67	6.750 CY, GEN. PURPOSE/SQUARE NOSE	54,349	9.31	3.39	4.62	1.08	0.00	158
	B25ES016	GPS-58R67	7.250 CY, GEN. PURPOSE/SQUARE NOSE	56,457	9.67	3.52	4.80	1.12	0.00	166
	B25ES017	GPS-62R72	7.750 CY, GEN. PURPOSE/SQUARE NOSE	59,445	10.18	3.71	5.05	1.18	0.00	177
	B25ES018	GPS-64R72	8.000 CY, GEN. PURPOSE/SQUARE NOSE	62,355	10.67	3.88	5.30	1.23	0.00	185
	B25ES019	GPS-70R72	8.750 CY, GEN. PURPOSE/SQUARE NOSE	64,697	11.08	4.03	5.50	1.28	0.00	192
	B25ES020	HDS-5R26	.625 CY, HEAVY DUTY/SQUARE NOSE	12,966	2.22	0.81	1.10	0.26	0.00	29
	B25ES021	HDS-6R32	.750 CY, HEAVY DUTY/SQUARE NOSE	13,837	2.37	0.86	1.18	0.27	0.00	33
	B25ES022	HDS-7R34	.875 CY, HEAVY DUTY/SQUARE NOSE	19,008	3.26	1.19	1.62	0.38	0.00	43
	B25ES023	HDS-9R38	1.125 CY, HEAVY DUTY/SQUARE NOSE	19,177	3.28	1.20	1.63	0.38	0.00	49
	B25ES024	HDS-12R41	1.500 CY, HEAVY DUTY/SQUARE NOSE	20,313	3.48	1.27	1.73	0.40	0.00	53
	B25ES025	HDS-14R43	1.750 CY, HEAVY DUTY/SQUARE NOSE	27,732	4.75	1.73	2.36	0.55	0.00	74
	B25ES026	HDS-17R46	2.125 CY, HEAVY DUTY/SQUARE NOSE	28,900	4.95	1.80	2.46	0.57	0.00	78
	B25ES027	HDS-19R48	2.375 CY, HEAVY DUTY/SQUARE NOSE	29,912	5.12	1.86	2.54	0.59	0.00	82
	B25ES028	HDS-24R51	3.000 CY, HEAVY DUTY/SQUARE NOSE	38,021	6.50	2.37	3.23	0.75	0.00	104
	B25ES029	HDS-28R56	3.500 CY, HEAVY DUTY/SQUARE NOSE	41,580	7.11	2.59	3.53	0.82	0.00	115
	B25ES030	HDS-32R60	4.000 CY, HEAVY DUTY/SQUARE NOSE	47,966	8.21	2.99	4.08	0.95	0.00	126
	B25ES031	HDS-38R60	4.750 CY, HEAVY DUTY/SQUARE NOSE	50,980	8.73	3.18	4.33	1.01	0.00	137
	B25ES032	HDS-40R60	5.000 CY, HEAVY DUTY/SQUARE NOSE	54,763	9.37	3.41	4.65	1.08	0.00	147
	B25ES033	HDS-50R67	6.250 CY, HEAVY DUTY/SQUARE NOSE	59,953	10.27	3.74	5.10	1.19	0.00	163

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	FUEL	CWT
	B25ES034	HDS-54R67	6.750 CY, HEAVY DUTY/SQUARE NOSE	63,223	10.82	3.94	5.37	1.25	0.00	172
	B25ES035	HDS-58R67	7.250 CY, HEAVY DUTY/SQUARE NOSE	66,316	11.35	4.13	5.64	1.31	0.00	182
	B25ES036	HDS-62R72	7.750 CY, HEAVY DUTY/SQUARE NOSE	69,805	11.95	4.35	5.93	1.38	0.00	193
	B25ES037	HDS-64R72	8.000 CY, HEAVY DUTY/SQUARE NOSE	72,751	12.45	4.53	6.18	1.44	0.00	201
	B25ES038	HDS-70R72	8.750 CY, HEAVY DUTY/SQUARE NOSE	75,638	12.95	4.72	6.43	1.50	0.00	209
	B25ES039	XDS-5R30	.625 CY, XTRA-HVY DUTY/SQUARE NOSE	15,589	2.68	0.98	1.33	0.31	0.00	36
	B25ES040	XDS-7R34	.875 CY, XTRA-HVY DUTY/SQUARE NOSE	21,480	3.69	1.35	1.83	0.43	0.00	52
	B25ES041	XDS-10R38	1.250 CY, XTRA-HVY DUTY/SQUARE NOSE	22,292	3.81	1.39	1.89	0.44	0.00	58
	B25ES042	XDS-12R41	1.500 CY, XTRA-HVY DUTY/SQUARE NOSE	24,028	4.12	1.50	2.04	0.48	0.00	63
	B25ES043	XDS-14R43	1.750 CY, XTRA-HVY DUTY/SQUARE NOSE	31,530	5.39	1.96	2.68	0.62	0.00	85
	B25ES044	XDS-17R46	2.125 CY, XTRA-HVY DUTY/SQUARE NOSE	34,133	5.85	2.13	2.90	0.68	0.00	92
	B25ES045	XDS-19R48	2.375 CY, XTRA-HVY DUTY/SQUARE NOSE	38,418	6.58	2.40	3.27	0.76	0.00	103
	B25ES046	XDS-24R51	3.000 CY, XTRA-HVY DUTY/SQUARE NOSE	43,026	7.37	2.68	3.66	0.85	0.00	121
	B25ES047	XDS-30R56	3.750 CY, XTRA-HVY DUTY/SQUARE NOSE	47,947	8.21	2.99	4.08	0.95	0.00	135
	B25ES048	XDS-32R60	4.000 CY, XTRA-HVY DUTY/SQUARE NOSE	52,831	9.05	3.30	4.49	1.05	0.00	149
	B25ES049	XDS-38R60	4.750 CY, XTRA-HVY DUTY/SQUARE NOSE	55,977	9.59	3.49	4.76	1.11	0.00	158
	B25ES050	XDS-40R60	5.000 CY, XTRA-HVY DUTY/SQUARE NOSE	58,169	9.95	3.62	4.94	1.15	0.00	168
	B25ES051	XDS-50R67	6.250 CY, XTRA-HVY DUTY/SQUARE NOSE	62,870	10.75	3.91	5.34	1.24	0.00	181
	B25ES052	XDS-54R67	6.750 CY, XTRA-HVY DUTY/SQUARE NOSE	66,583	11.40	4.15	5.66	1.32	0.00	193
	B25ES053	XDS-58R67	7.250 CY, XTRA-HVY DUTY/SQUARE NOSE	69,999	11.99	4.37	5.95	1.39	0.00	203
	B25ES054	XDS-62R72	7.750 CY, XTRA-HVY DUTY/SQUARE NOSE	74,396	12.73	4.63	6.32	1.47	0.00	220
	B25ES055	XDS-64R72	8.000 CY, XTRA-HVY DUTY/SQUARE NOSE	77,095	13.20	4.81	6.55	1.53	0.00	223
	B25ES056	XDS-70R72	8.750 CY, XTRA-HVY DUTY/SQUARE NOSE	80,835	13.84	5.04	6.87	1.60	0.00	241
		GENSCO								
	B25GE001		10CY HEAVY DUTY CLAMSHELL	75,042	12.85	4.68	6.38	1.49	0.00	230
	B25GE002		11CY HEAVY DUTY CLAMSHELL	80,836	13.84	5.04	6.87	1.60	0.00	250
	B25GE003		12CY HEAVY DUTY CLAMSHELL	86,602	14.82	5.39	7.36	1.71	0.00	267
	B25GE004		13CY HEAVY DUTY CLAMSHELL	96,105	16.45	5.99	8.17	1.90	0.00	284
	B25GE005		14CY HEAVY DUTY CLAMSHELL	105,599	18.08	6.58	8.98	2.09	0.00	300
	B25GE006		15CY MEDIUM DUTY CLAMSHELL	114,875	19.66	7.15	9.76	2.27	0.00	320
	B25GE007		16CY MEDIUM DUTY CLAMSHELL	124,347	21.29	7.75	10.57	2.46	0.00	335
	B25GE008		17CY MEDIUM DUTY CLAMSHELL	133,751	22.90	8.34	11.37	2.65	0.00	342
	B25GE009		18CY MEDIUM DUTY CLAMSHELL	143,267	24.53	8.93	12.18	2.84	0.00	362
	B25GE010		19CY MEDIUM DUTY CLAMSHELL	152,765	26.15	9.52	12.99	3.02	0.00	380
	B25GE011		20CY MEDIUM DUTY CLAMSHELL	157,609	26.99	9.82	13.40	3.12	0.00	400

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
B30	**BUCKETS, CONCRETE**									
	0.10	GENERAL PURPOSE, MANUAL								
		GAR-BRO								
	B30GB001	433-G	1.0 CY BUCKET	2,017	0.33	0.12	0.16	0.04	0.00	6
	B30GB002	442-G	1.5 CY BUCKET	2,723	0.46	0.17	0.22	0.06	0.00	8
	B30GB003	462-G	2.0 CY BUCKET	3,241	0.55	0.20	0.26	0.07	0.00	11
	B30GB004	493-G	3.0 CY BUCKET	4,787	0.80	0.29	0.38	0.10	0.00	19
	B30GB005	4123-G	4.0 CY BUCKET	5,609	0.93	0.34	0.45	0.11	0.00	23
	0.20	LAYDOWN								
		GAR-BRO								
	B30GB006	425-A	1.0 CY BUCKET, HEAVY DUTY, AIR GATE	9,804	1.68	0.59	0.78	0.20	0.00	26
	B30GB007	465-A	2.0 CY BUCKET, HEAVY DUTY, AIR GATE	11,077	1.91	0.68	0.89	0.23	0.00	31
	B30GB008	495-A	3.0 CY BUCKET, HEAVY DUTY, AIR GATE	12,632	2.17	0.77	1.01	0.26	0.00	40
	B30GB009	4125-A	4.0 CY BUCKET, HEAVY DUTY, AIR GATE	14,452	2.49	0.88	1.16	0.30	0.00	51
	B30GB010	4155-A	5.0 CY BUCKET, HEAVY DUTY, AIR GATE	18,090	3.11	1.10	1.45	0.37	0.00	73
	0.30	LOWBOY								
		CAMLEVER								
	B30CR001	LB-375	.375 CY BUCKET, AIR OPERATED GATE	3,130	0.55	0.19	0.25	0.06	0.00	2
	B30CR002	LB-050	.500 CY BUCKET, AIR OPERATED GATE	3,265	0.58	0.20	0.26	0.07	0.00	2
	B30CR003	LB-075	.750 CY BUCKET, AIR OPERATED GATE	3,635	0.64	0.22	0.29	0.07	0.00	3
	B30CR004	LB-100	1.000 CY BUCKET, AIR OPERATED GATE	3,759	0.67	0.23	0.30	0.08	0.00	5
	B30CR005	LB-150	1.500 CY BUCKET, AIR OPERATED GATE	4,443	0.79	0.27	0.36	0.09	0.00	6
	B30CR006	LB-200	2.000 CY BUCKET, AIR OPERATED CATE	5,235	0.93	0.32	0.42	0.11	0.00	8
	B30CR007	LB-300	3.000 CY BUCKET, AIR OPERATED GATE	6,564	1.16	0.40	0.53	0.13	0.00	12
	B30CR008	LB-400	4.000 CY BUCKET, AIR OPERATED GATE	7,621	1.35	0.47	0.61	0.16	0.00	15

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	0.40 LOW SLUMP									
		GAR-BRO								
	B30GB011	440-A	1.0 CY BUCKET, AIR OPERATED GATE	8,709	1.54	0.53	0.70	0.18	0.00	19
	B30GB012	450-A	1.5 CY BUCKET, AIR OPERATED GATE	9,022	1.58	0.54	0.72	0.18	0.00	21
	B30GB013	460-A	2.0 CY BUCKET, AIR OPERATED GATE	9,384	1.65	0.57	0.75	0.19	0.00	23
	B30GB014	493-A	3.0 CY BUCKET, AIR OPERATED GATE	12,227	2.16	0.74	0.98	0.25	0.00	49
	B30GB015	4139-A	4.0 CY BUCKET, AIR OPERATED GATE	12,745	2.25	0.77	1.02	0.26	0.00	52
	B30GB016	4200-A	6.0 CY BUCKET, AIR OPERATED GATE	18,382	3.25	1.12	1.47	0.38	0.00	78
	B30GB017	4250-A	8.0 CY BUCKET, AIR OPERATED GATE	22,123	3.90	1.34	1.77	0.45	0.00	90
B35	BUCKETS, DRAGLINE									
	0.10 LIGHT WEIGHT									
		HENDRIX								
	B35HE001	LS	.75 CY BUCKET,LIGHT WT/PERFORATED	4,426	0.93	0.33	0.47	0.09	0.00	15
	B35HE002	LS	1.0 CY BUCKET,LIGHT WT/PERFORATED	5,254	1.11	0.39	0.56	0.11	0.00	18
	B35HE003	LS	1.5 CY BUCKET,LIGHT WT/PERFORATED	6,414	1.34	0.47	0.68	0.13	0.00	26
	B35HE004	LS	2.0 CY BUCKET,LIGHT WT/PERFORATED	7,571	1.58	0.55	0.80	0.15	0.00	32
	B35HE005	LS	2.5 CY BUCKET,LIGHT WT/PERFORATED	8,895	1.87	0.66	0.95	0.18	0.00	37
	B35HE006	LS	3.0 CY BUCKET,LIGHT WT/PERFORATED	10,966	2.30	0.81	1.17	0.22	0.00	46
	B35HE007	LS	3.5 CY BUCKET,LIGHT WT/PERFORATED	12,127	2.55	0.90	1.29	0.25	0.00	50
	B35HE008	LS	4.0 CY BUCKET,LIGHT WT/PERFORATED	14,776	3.10	1.09	1.57	0.30	0.00	65
	B35HE009	LS	4.5 CY BUCKET,LIGHT WT/PERFORATED	15,345	3.21	1.13	1.63	0.31	0.00	69
	B35HE010	LS	5.0 CY BUCKET,LIGHT WT/PERFORATED	18,937	3.97	1.40	2.01	0.39	0.00	85
	B35HE011	LS	6.0 CY BUCKET,LIGHT WT/PERFORATED	20,523	4.30	1.51	2.18	0.42	0.00	90
	B35HE012	LS	7.0 CY BUCKET,LIGHT WT/PERFORATED	21,823	4.57	1.60	2.32	0.44	0.00	101
	B35HE013	LS	8.0 CY BUCKET,LIGHT WT/PERFORATED	24,877	5.21	1.83	2.64	0.51	0.00	112
	B35HE014	LS	9.0 CY BUCKET,LIGHT WT/PERFORATED	28,729	6.01	2.11	3.05	0.58	0.00	128
	B35HE015	LS	10.0 CY BUCKET,LIGHT WT/PERFORATED	31,227	6.55	2.30	3.32	0.64	0.00	139
	B35HE016	LS	12.0 CY BUCKET,LIGHT WT/PERFORATED	38,387	8.05	2.82	4.08	0.78	0.00	166
	B35HE017	LS	14.0 CY BUCKET,LIGHT WT/PERFORATED	44,133	9.25	3.25	4.69	0.90	0.00	191

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		SAUERMAN								
	B35SA001	SC-1050-K	1.0 CY BUCKET,L WT,CRECENT SCRAPER	11,226	2.35	0.83	1.19	0.23	0.00	15
	B35SA002	SC-1060-K	1.5 CY BUCKET,L WT,CRECENT SCRAPER	13,458	2.82	0.99	1.43	0.27	0.00	20
	B35SA003	SC-1070-K	2.0 CY BUCKET,L WT,CRECENT SCRAPER	16,782	3.51	1.23	1.78	0.34	0.00	25
	B35SA004	SC-1090-K	3.0 CY BUCKET,L WT,CRECENT SCRAPER	24,897	5.23	1.84	2.65	0.51	0.00	36
	B35SA005	SC-1100-K	4.0 CY BUCKET,L WT,CRECENT SCRAPER	30,159	6.31	2.21	3.20	0.61	0.00	49
	B35SA006	SC-1110-K	5.0 CY BUCKET,L WT,CRECENT SCRAPER	36,103	7.57	2.65	3.84	0.73	0.00	58
	B35SA007	SC-1120-K	6.0 CY BUCKET,L WT,CRECENT SCRAPER	39,574	8.28	2.90	4.20	0.80	0.00	68
	B35SA008	SC-1130-K	8.0 CY BUCKET,L WT,CRECENT SCRAPER	47,808	10.02	3.51	5.08	0.97	0.00	88
	B35SA009	SC-1140-K	10.0 CY BUCKET,L WT,CRECENT SCRAPER	56,618	11.87	4.16	6.02	1.15	0.00	106
	B35SA010	SC-1150-K	12.0 CY BUCKET,L WT,CRECENT SCRAPER	69,774	14.62	5.13	7.41	1.42	0.00	132
0.20	MEDIUM WEIGHT									
		HENDRIX								
	B35HE018	TS	.75 CY BUCKET, MEDIUM WEIGHT	4,837	0.92	0.33	0.46	0.10	0.00	17
	B35HE019	TS	1.0 CY BUCKET, MEDIUM WEIGHT	5,945	1.12	0.40	0.56	0.12	0.00	19
	B35HE020	TS	1.5 CY BUCKET, MEDIUM WEIGHT	7,330	1.38	0.50	0.69	0.15	0.00	28
	B35HE021	TS	2.0 CY BUCKET, MEDIUM WEIGHT	8,737	1.65	0.60	0.83	0.18	0.00	36
	B35HE022	TS	2.5 CY BUCKET, MEDIUM WEIGHT	10,073	1.89	0.68	0.95	0.20	0.00	41
	B35HE023	TS	3.0 CY BUCKET, MEDIUM WEIGHT	12,037	2.27	0.81	1.14	0.24	0.00	49
	B35HE024	TS	3.5 CY BUCKET, MEDIUM WEIGHT	13,299	2.51	0.90	1.26	0.27	0.00	54
	B35HE025	TS	4.0 CY BUCKET, MEDIUM WEIGHT	15,964	3.01	1.08	1.51	0.32	0.00	70
	B35HE026	TS	4.5 CY BUCKET, MEDIUM WEIGHT	17,073	3.21	1.15	1.61	0.34	0.00	72
	B35HE027	TS	5.0 CY BUCKET, MEDIUM WEIGHT	21,884	4.12	1.48	2.07	0.44	0.00	93
	B35HE028	TS	6.0 CY BUCKET, MEDIUM WEIGHT	22,611	4.26	1.52	2.14	0.45	0.00	96
	B35HE029	TS	7.0 CY BUCKET, MEDIUM WEIGHT	25,811	4.86	1.74	2.44	0.52	0.00	111
	B35HE030	TS	8.0 CY BUCKET, MEDIUM WEIGHT	28,417	5.35	1.91	2.68	0.57	0.00	122
	B35HE031	TS	9.0 CY BUCKET, MEDIUM WEIGHT	34,017	6.40	2.29	3.21	0.68	0.00	149
	B35HE032	TS	10.0 CY BUCKET, MEDIUM WEIGHT	36,228	6.82	2.44	3.42	0.73	0.00	159
	B35HE033	TS	12.0 CY BUCKET, MEDIUM WEIGHT	46,172	8.70	3.11	4.36	0.93	0.00	202
	B35HE034	TS	14.0 CY BUCKET, MEDIUM WEIGHT	53,670	10.11	3.62	5.07	1.08	0.00	225

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	0.30 HEAVY WEIGHT										
		HENDRIX									
	B35HE035	MH-S	2.75 CY BUCKET, HEAVY WEIGHT		19,314	3.30	1.20	1.64	0.38	0.00	69
	B35HE036	MH-S	3.0 CY BUCKET, HEAVY WEIGHT		20,086	3.44	1.26	1.71	0.40	0.00	72
	B35HE037	MH-S	3.5 CY BUCKET, HEAVY WEIGHT		22,492	3.85	1.41	1.91	0.45	0.00	81
	B35HE038	MH-S	4.0 CY BUCKET, HEAVY WEIGHT		30,080	5.16	1.88	2.56	0.60	0.00	110
	B35HE039	MH-S	4.5 CY BUCKET, HEAVY WEIGHT		33,630	5.76	2.10	2.86	0.67	0.00	123
	B35HE040	MH-S	5.0 CY BUCKET, HEAVY WEIGHT		34,729	5.95	2.17	2.95	0.69	0.00	127
	B35HE041	MH-S	6.0 CY BUCKET, HEAVY WEIGHT		37,191	6.37	2.32	3.16	0.74	0.00	136
	B35HE042	MH-S	7.0 CY BUCKET, HEAVY WEIGHT		49,550	8.48	3.09	4.21	0.98	0.00	175
	B35HE043	MH-S	8.0 CY BUCKET, HEAVY WEIGHT		48,627	8.32	3.03	4.13	0.96	0.00	180
	B35HE044	MH-S	9.0 CY BUCKET, HEAVY WEIGHT		61,841	10.59	3.85	5.26	1.22	0.00	234
	B35HE045	MH-S	10.0 CY BUCKET, HEAVY WEIGHT		64,218	10.99	4.00	5.46	1.27	0.00	243
	B35HE046	MH-S	12.0 CY BUCKET, HEAVY WEIGHT		76,376	13.07	4.76	6.49	1.51	0.00	289
	B35HE047	MH-S	14.0 CY BUCKET, HEAVY WEIGHT		81,419	13.94	5.07	6.92	1.61	0.00	309
C05	CHAIN SAWS										
		HOMELITE									
	C05HO001	XL925	CHAINSAW - 31" BAR	3 HP G	733	1.47	0.10	0.16	0.02	0.29	1
C10	COMPACTORS, MANUALLY OPERATED										
		BOMAG									
	C10BO001	BT 58	VIBRATORY TAMPER, 9" RAMMER	3 HP G	2,532	1.38	0.27	0.41	0.06	0.29	1
	C10BO002	BT 68	VIBRATORY TAMPER, 11" RAMMER	3 HP G	3,021	1.57	0.31	0.48	0.07	0.29	2
	C10BO003	BP 10/36	VIBRATORY PLATE, WITH 14.2" PLATE	4 HP G	1,438	1.04	0.15	0.23	0.03	0.38	2
	C10BO004	BP 15/45	VIBRATORY PLATE, WITH 17.7" PLATE	4 HP G	1,820	1.19	0.19	0.29	0.04	0.38	2
	C10BO005	BP 20/48D	VIBRATORY PLATE, WITH 18.9" PLATE	4 HP D	4,032	1.84	0.42	0.65	0.09	0.17	4
	C10BO006	BPR 30/38	VIB REVERSIBLE PLATE, W/15" PLATE	5 HP G	5,749	2.90	0.59	0.92	0.13	0.48	4
	C10BO007	BPR 30/38D	VIB REVERSIBLE PLATE, W/15" PLATE	5 HP D	6,892	3.04	0.71	1.10	0.16	0.21	4

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	C10BO008	BPR 50/55D	VIB REVERSIBLE PLATE, W/31.5" PLATE	7 HP D	10,354	4.53	1.06	1.66	0.23	0.29	9
	C10BO009	BW 55E	SINGLE DRUM, 22.1" WIDE, WALK-BEHIND	5 HP D	4,472	2.06	0.46	0.72	0.10	0.21	4
	C10BO010	BW 35	DOUBLE DRUM, 15.4" WIDE, WALK-BEHIND	4 HP D	10,780	4.56	1.10	1.72	0.24	0.17	11
	C10BO011	BW 60S	DOUBLE DRUM, 23.6" WIDE	8 HP D	11,992	5.26	1.23	1.92	0.27	0.34	18
		HOMELITE									
	C10HO001	HR65	RAMMER, 11" X 13" PLATE	4 HP G	2,433	1.44	0.25	0.39	0.05	0.38	2
	C10HO002	HR80	RAMMER, 12" X 13" PLATE	4 HP G	2,735	1.57	0.28	0.44	0.06	0.38	2
	C10HO003	HCP120	VIBRO PLATE, 23" X 22" PLATE	5 HP G	2,442	1.56	0.25	0.39	0.05	0.48	3
		WACKER									
	C10WC001	BS 45Y	RAMMER, VIBRATORY, 10" X 13" SHOE	4 HP G	2,188	1.34	0.23	0.35	0.05	0.38	1
	C10WC002	GVR 151Y	RAMMER, VIBRATORY, 11" X 13" SHOE	4 HP G	2,845	1.61	0.29	0.46	0.06	0.38	2
	C10WC003	BS 65Y	RAMMER, VIBRATORY, 13" X 11" SHOE	4 HP G	3,744	1.97	0.38	0.60	0.08	0.38	2
	C10WC004	BS 105Y	RAMMER, VIBRATORY, 16" X 15" SHOE	4 HP G	4,444	2.25	0.46	0.71	0.10	0.38	2
	C10WC005	VPG 160B	VIBRO PLATE, 21" X 24" BASE PLATE	4 HP G	1,627	1.12	0.17	0.26	0.04	0.38	2
	C10WC006	BPS 2550 K	VIBRO PLATE,19.5" X 25.5"BASE PLATE	7 HP G	2,854	1.96	0.29	0.46	0.06	0.67	3
	C10WC007	BPU 3345R	VIBRO PLATE,23.5" X 35.5"BASE PLATE	7 HP G	7,975	4.04	0.82	1.28	0.18	0.67	7
	C10WC008	DPU 3345H	VIBRO PLATE,23.5" X 35.5"BASE PLATE	6 HP D	12,398	5.31	1.27	1.98	0.28	0.25	7
	C10WC009	DPU 6760	VIBRO PLATE,31.5" X 42" BASE PLATE	14 HP D	23,616	10.25	2.42	3.78	0.53	0.59	13
	C10WC010	RSS 800A	28.3" WIDE X 22" DIA. VIB ROLLER SINGLE DRUM, WALK-BEHIND	11 HP G	10,150	5.37	1.04	1.62	0.23	1.05	11
	C10WC011	W 55 T	29.5" WIDE X 17.3 DIA. VIB ROLLER DOUBLE DRUM, WALK-BEHIND	8 HP D	14,588	6.30	1.50	2.33	0.33	0.34	17
	C10WC012	W 74 T	29.5" WIDE X 17.3 DIA. VIB ROLLER DOUBLE DRUM, WALK-BEHIND	8 HP D	16,617	7.12	1.70	2.66	0.37	0.34	19
	C10WC013	WDH 86-110(PAD)	34" WIDE X 20.5 DIA. VIB ROLLER HYDRAULIC, DOUBLE DRUM, WALK-BEHIND	12 HP D	33,504	14.14	3.43	5.36	0.75	0.50	28
C15 CONCRETE BLASTERS											
		BLASTRAC									
	C15BL001	1-8D & SHOP VAC	8" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECTOR (ADD 4KVA GEN)		7,259	2.64	0.65	0.97	0.16	0.00	2

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	C15BL002	1-8DP & 100-DC	8" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECTOR (ADD 5KVA GEN)		14,010	4.82	1.25	1.87	0.31	0.00	4
	C15BL003	1-10D & 654-DC	10" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECT (ADD 30 KVA GEN)		28,297	9.81	2.51	3.77	0.62	0.00	16
	C15BL004	1-15D & 654-DC	15" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECT (ADD 30 KVA GEN)		40,006	13.49	3.54	5.33	0.87	0.00	17
	C15BL005	1-20D & 854-DC	20" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECT (ADD 75 KVA GEN)		51,513	17.12	4.56	6.87	1.12	0.00	30
C20 CONCRETE BUGGIES											
		AEROIL PRODUCTS									
	C20AE001	BUFFALO 800	WALK-BEHIND W/DUMP HOPPER, 800# CAP	5 HP G	2,450	1.24	0.26	0.39	0.06	0.37	3
		MULTIQUIP									
	C20MU001	WBH-12	12 CF BUCKET, WALK & RIDE	8 HP G	6,125	2.64	0.59	0.90	0.14	0.59	18
	C20MU002	WBH-16E	16 CF BUCKET, WALK & RIDE	11 HP G	7,517	3.36	0.73	1.12	0.17	0.82	26
C25 CONCRETE FINISHERS											
		STOW									
	C25ST001	36-H-804	ROTO-TROWEL - 36", 4-BLADED	8 HP G	1,739	1.34	0.18	0.28	0.04	0.59	2
	C25ST002	46-H-804	ROTO-TROWEL - 46", 4-BLADED	8 HP G	1,881	1.38	0.19	0.30	0.04	0.59	2
		WACKER									
	C25WC001	CT36A	POWER TROWEL, 36" DIAMETER	5 HP G	1,632	1.01	0.17	0.26	0.04	0.37	2
	C25WC002	CT48A	POWER TROWEL, 48" DIAMETER	8 HP G	2,175	1.48	0.23	0.35	0.05	0.59	3

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
C35	CONCRETE GUNITERS/SHOTCRETERS										
		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	16,910	5.63	1.35	2.00	0.35	0.96	33
	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	20,170	7.29	1.60	2.35	0.42	1.61	47
	C35AL003	GR-600	ROTARY GUN 1-6 CY/HR INCL. 1-1/2" HOSE, (ADD COMPRESSOR)	550 CFM A	10,457	2.91	0.83	1.22	0.22	0.00	8
	C35AL004	GR-1200	ROTARY GUN 4-12 CY/HR INCL. 1-1/2" HOSE, (ADD COMPRESSOR)	770 CFM A	21,498	5.91	1.74	2.58	0.45	0.00	18
	C35AL005	HPR-12-10	CONTINUOUS MIX GUNNING RIG 12 CY/HR USE W/GR-600 GUN. INCLUDES HOPPER & FEEDER. INCLUDES TRAILER	18 HP D	22,539	6.66	1.82	2.70	0.47	0.64	86
	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	25,365	7.40	2.06	3.05	0.53	0.64	87
	C35AL007	N-1	PNEUMATIC GUN, 4 CY/HR (ADD 1-1/4" HOSE & COMPRESSOR)	450 CFM A	12,865	3.61	1.05	1.56	0.27	0.00	12
	C35AL008	N-2	PNEUMATIC GUN, 6-8 CY/HR (ADD 1-1/2" HOSE AND COMPRESSOR)	600 CFM A	13,931	3.93	1.14	1.69	0.29	0.00	12
	C35AL009	N-3	PNEUMATIC GUN, 8-10 CY/HR (ADD 2" HOSE AND COMPRESSOR)	900 CFM A	15,364	4.41	1.26	1.87	0.32	0.00	13
	C35AL010	MODEL 30H	SHOTCRETE & CONCRETE PUMP 30 CY/HR, 950 PSI	40 HP D	37,610	11.56	3.05	4.54	0.78	1.41	25
	C35AL011	MODEL 40	SHOTCRETE & CONCRETE PUMP 40 CY/HR, 950 PSI	67 HP D	42,426	14.01	3.45	5.13	0.88	2.36	45
		ALIVA									
	C35AV001	AL 305-1	HYDRUALIC SPRAYING ARM, SMALL UNIT (ADD TRUCK CHASIS)	10 HP E	59,694	18.62	4.87	7.25	1.24	0.75	33

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	C35AV002	AL 305-5	HYDRUALIC SPRAYING ARM, LARGE UNIT (ADD TRUCK CHASIS)	10 HP E	70,005	21.80	5.70	8.50	1.45	0.75	44
	C35AV003	AL 451	SHOTCRETE REPAIR UNIT	55 HP D	60,772	20.27	4.93	7.34	1.26	1.94	49
	C35AV004	AL 260	DRY MIX SPRAYING MACHINE	33 CFM A	36,134	10.93	2.93	4.36	0.75	0.00	24
	C35AV005	AL 260	DRY MIX SPRAYING MACHINE	10 HP E	34,278	11.48	2.78	4.13	0.71	0.75	24
	C35AV006	AL 280	WET/DRY MIX SPRAYING MACHINE	20 HP E	57,500	19.08	4.66	6.94	1.19	1.50	33
C40	**CONCRETE/WASTE MIXERS**										
		MAXON INDUSTRIES									
	C40MX001	36703	2 CY WASTE MIXER, TRAILER MOUNTED W/ HIGH PRESSURED WATER SYSTEM	18 HP D	22,289	8.00	2.22	3.43	0.50	0.59	43
	C40MX002	36704	BARREL LOADER - 1000 LB LIFT CAPACITY ATTACHMENT FOR 36703		4,256	2.41	0.44	0.68	0.10	0.00	3
	C40MX003	MCII	4.5 CY WASTE MIXER, TRAILER MOUNTED	52 HP D	70,171	25.14	7.10	11.03	1.58	1.70	114
	C40MX004	MCII	10 CY WASTE MIXER, TRAILER MOUNTED	76 HP D	82,589	30.22	8.37	13.01	1.86	2.49	158
	C40MX005	MCIII	10 CY WASTE MIXER, TRAILER MOUNTED WITH 13 FT LONG X 24' BELT FEEDER	80 HP D	87,651	32.05	8.88	13.82	1.97	2.62	160
	C40MX006		12 CY AGITATOR (ADD TRK 64,000 GVW)		34,620	13.18	3.55	5.54	0.78	0.00	84
	C40MX007		9 CY AGITATOR (ADD TRK 50,000 GVW)		31,768	12.14	3.26	5.08	0.72	0.00	79
		ROSS COMPANY									
	C40RC001	4.5 CY TILT MIXER	4.5 CY CONCRETE DRUM-TYPE MIXER	40 HP E	102,265	39.77	10.48	16.36	2.30	2.80	34
	C40RC002	6 CY TILT MIXER	6 CY CONCRETE DRUM-TYPE MIXER	60 HP E	114,915	46.22	11.79	18.39	2.59	4.20	45
	C40RC003	8 CY TILT MIXER	8 CY CONCRETE DRUM-TYPE MIXER	80 HP E	129,261	53.21	13.25	20.68	2.91	5.60	60
	C40RC004	10 CY TILT MIXER	10 CY CONCRETE DRUM-TYPE MIXER	100 HP E	140,337	60.12	14.39	22.45	3.16	7.00	75
	C40RC005	12 CY TILT MIXER	12 CY CONCRETE DRUM-TYPE MIXER	120 HP E	148,432	65.05	15.22	23.75	3.34	8.40	90
		STOW									
	C40ST001	CM4	4 C.F., PORTABLE	1 HP E	1,575	0.82	0.17	0.25	0.04	0.07	5
	C40ST002	CM4	4 C.F., PORTABLE	5 HP G	1,717	1.03	0.18	0.27	0.04	0.37	4
	C40ST003	CM6	6 C.F., PORTABLE	1 HP E	2,435	1.15	0.25	0.39	0.05	0.07	7
	C40ST004	CM6	6 C.F., PORTABLE	8 HP G	2,749	1.67	0.28	0.44	0.06	0.59	7
	C40ST005	CM9	9 C.F., PORTABLE	2 HP E	3,094	1.53	0.32	0.50	0.07	0.14	8
	C40ST006	CM9	9 C.F., PORTABLE	8 HP G	3,185	1.81	0.33	0.51	0.07	0.59	8

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
C45 CONCRETE PAVING MACHINES											
		GOMACO									
	C45GO001	C-650-F	24' WIDE SLIPFORM PAVER, WITH 4' FINISHING CYLINDERS	45 HP G	35,543	11.55	2.14	2.82	0.73	3.62	91
	C45GO002	C-650-S	24' WIDE SLIPFORM PAVER, WITH 4' FINISHING CYLINDERS, CRAWLER MTD	45 HP G	61,986	16.68	3.75	4.96	1.27	3.62	126
	C45GO003	GP-1500	12' WIDE SLIPFORM PAVER 0-51 FT/MIN, CRAWLER MTD	107 HP D	129,218	29.80	7.81	10.34	2.64	3.77	280
	C45GO004	GP-2000	16' WIDE SLIPFORM PAVER 0-38 FT/MIN, CRAWLER MTD	185 HP D	176,359	42.39	10.66	14.11	3.60	6.53	340
	C45GO005	GP-2500	25' WIDE SLIPFORM PAVER 0-39 FT/MIN, CRAWLER MTD	265 HP D	237,834	57.85	14.38	19.03	4.86	9.35	500
	C45GO006	GP-3500	42' SLIPFORM PAVER, 2 TRACK CRAWLER	234 HP D	377,649	83.66	22.83	30.21	7.72	8.26	900
	C45GO007	GP-3500	42' SLIPFORM PAVER, 4 TRACK CRAWLER	234 HP D	441,022	95.97	26.65	35.28	9.01	8.26	1,150
	C45GO008	GP-5000	50' SLIPFORM PAVER, 2 TRACK CRAWLER	454 HP D	553,886	127.56	33.48	44.31	11.32	16.02	1,320
	C45GO009	GP-5000	50' SLIPFORM PAVER, 4 TRACK CRAWLER	454 HP D	629,416	142.23	38.04	50.35	12.86	16.02	1,500
C55 CONCRETE PUMPS											
		MORGEN									
	C55MO001	MUSTANG 25	25 CY/HOUR, TRAILER MOUNTED	30 HP G	20,765	8.89	1.52	2.19	0.42	3.03	29
	C55MO003	MUSTANG 50	50 CY/HOUR, TRAILER MOUNTED	110 HP D	43,299	16.56	3.17	4.58	0.88	4.90	48
	C55MO004	MUSTANG 65	65 CY/HOUR, TRAILER MOUNTED	110 HP D	50,711	18.36	3.72	5.37	1.03	4.90	49
	C55MO005	80N	80 CY/HOUR, TRAILER MOUNTED	160 HP D	100,604	33.17	7.33	10.56	2.05	7.12	122
	C55MO006	100N	100 CY/HOUR, TRAILER MOUNTED	210 HP D	112,123	38.73	8.18	11.79	2.28	9.35	127
	C55MO007	211-900/211-893	72' VERTICAL BOOM, 60 CY/HR WITH 23,100 GVW TRUCK	210 HP D	171,866	53.28	12.54	18.08	3.50	9.35	300
			(WITH CARRIER ENGINE)	270 HP D							
	C55MO008	211-900/208-850	72' VERTICAL BOOM, 90 CY/HR WITH 23,100 GVW TRUCK	210 HP D	196,323	59.25	14.27	20.56	3.99	9.35	300
			(WITH CARRIER ENGINE)	270 HP D							

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	FUEL	CWT
	C55MO009	209-930/208-755	92' VERTICAL BOOM, 115 CY/HR WITH 41,300 GVW TRUCK (WITH CARRIER ENGINE)	270 HP D 270 HP D	250,993	75.81	18.30	26.37	5.11	12.02	350
	C55MO010	209-930/205-494	92' VERTICAL BOOM, 140 CY/HR WITH 41,300 GVW TRUCK (WITH CARRIER ENGINE)	270 HP D 270 HP D	261,936	78.46	19.10	27.54	5.33	12.02	360
	C55MO011	204-705/208-755	105' VERTICAL BOOM, 115 CY/HR WITH 41,300 GVW TRUCK (WITH CARRIER ENGINE)	270 HP D 270 HP D	276,291	81.92	20.15	29.06	5.62	12.02	350
	C55MO012	204-705/205-494	105' VERTICAL BOOM, 140 CY/HR WITH 41,300 GVW TRUCK (WITH CARRIER ENGINE)	270 HP D 270 HP D	286,918	84.50	20.94	30.19	5.84	12.02	360
		SCHWING AMERICA									
	C55SC001	BPA 750	69 CY/HR, 859 PSI, TRAILER MTD	68 HP D	52,849	16.57	3.88	5.59	1.08	3.03	57
	C55SC002	BPA 2000-20R	117 CY/HR, 1,565 PSI, TRAILER MTD	177 HP D	120,800	39.02	8.84	12.75	2.46	7.88	115
	C55SC003	BP 3001-18R	103 CY/HR, 2,098 PSI, TRAILER MTD	213 HP D	171,337	53.24	12.55	18.12	3.49	9.48	140
	C55SC004	BP 5000-18	137 CY/HR, 2,098 PSI, TRAILER MTD	354 HP D	217,991	72.34	15.99	23.12	4.43	15.76	180
	C55SC005	BPL 900/KVM 23	75' BOOM, 117 CY/HR, TRUCK MTD 1,565 PSI, WITH TRUCK	210 HP D	213,351	66.45	15.50	22.31	4.34	11.80	359
	C55SC006	BPL 900/KVM 28	92' BOOM, 117 CY/HR, TRUCK MTD 1,565 PSI, WITH TRUCK	210 HP D	284,606	83.69	20.72	29.86	5.79	11.80	470
	C55SC007	BPL 1200/KVM 32	105' BOOM, 171 CY/HR, TRUCK MTD 1,285 PSI, WITH TRUCK	230 HP D	341,509	98.92	24.84	35.78	6.95	12.92	480
	C55SC008	BPL 1200/KVM 36	118' BOOM, 171 CY/HR, TRUCK MTD 1,285 PSI, WITH TRUCK	230 HP D	425,608	119.27	31.01	44.69	8.66	12.92	620
	C55SC009	BPL 1200/KVM 42	138' BOOM, 196 CY/HR, TRUCK MTD 1,184 PSI, WITH TRUCK	350 HP D	546,768	156.97	39.91	57.57	11.12	19.66	730
C60	**CONCRETE SAWS (sawblade wear not included)**										
		FELKER/DRESSER									
	C60FE001	FC12	4" DEPTH OF CUT, 12" BLADE, HANDHELD	1 HP G	925	0.41	0.08	0.12	0.02	0.10	1
	C60FE002	FC14	5" DEPTH OF CUT, 14" BLADE, HANDHELD	2 HP G	1,131	0.58	0.10	0.15	0.02	0.19	1
	C60FE003	11HDCC	4-5/8" DEPTH/CUT, 14" BLADE, COMPACT	11 HP G	2,799	2.20	0.25	0.37	0.06	1.05	3

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	C60FE004	200KMRA-14	4-5/8" DEPTH/CUT, 14"BLADE,MIDRANGE	20 HP G	5,806	4.24	0.52	0.77	0.13	1.92	6
	C60FE005	200KMRA-18	6-5/8" DEPTH/CUT, 18"BLADE,MIDRANGE	20 HP G	5,898	4.28	0.53	0.79	0.13	1.92	6
		HOMELITE									
	C60HO001	HWS814	5" DEPTH OF CUT, WALK-BEHIND	8 HP G	1,628	1.49	0.15	0.22	0.04	0.77	2
	C60HO002	HWS1414	5-3/4" DEPTH OF CUT, WALK-BEHIND	14 HP G	2,040	2.33	0.18	0.27	0.04	1.34	3
		LONGYEAR									
	C60LY001	360-10HM	WALL SAW, 1700 PSI	10 HP G	11,211	4.68	0.99	1.49	0.24	0.96	2
	C60LY002	360-35HM	WALL SAW, 2500 PSI	35 HP G	12,438	8.12	1.10	1.66	0.27	3.35	2
	C60LY003	800WR	5" DEPTH OF CUT, WALK-BEHIND	8 HP G	1,352	1.40	0.12	0.18	0.03	0.77	2
	C60LY004	815WR	5" DEPTH OF CUT, WALK-BEHIND	11 HP G	1,704	1.87	0.16	0.23	0.04	1.05	2
	C60LY005	815WR	7" DEPTH OF CUT, WALK-BEHIND	11 HP G	1,734	1.88	0.16	0.23	0.04	1.05	2
	C60LY006	815EB	5" DEPTH OF CUT, WALK-BEHIND	5 HP E	1,880	1.21	0.17	0.25	0.04	0.45	2
	C60LY007	1800W	5" DEPTH OF CUT, WALK-BEHIND	18 HP G	6,408	4.18	0.57	0.85	0.14	1.72	8
	C60LY008	3535W	5" DEPTH OF CUT, WALK-BEHIND	35 HP G	7,886	6.71	0.70	1.05	0.17	3.35	9
	C60LY009	6530-48	21" DEPTH OF CUT, WALK-BEHIND	65 HP G	14,906	12.57	1.33	1.99	0.33	6.23	13
C65	CONCRETE VIBRATORS										
		MASTER									
	C65MS001	A-25010	2.5" DIA. HEAD (ADD COMPRESSOR)	40 CFM A	940	0.79	0.12	0.19	0.02	0.00	1
	C65MS002	A-30010	3.0" DIA. HEAD (ADD COMPRESSOR)	64 CFM A	1,200	1.02	0.15	0.24	0.03	0.00	1
	C65MS003	A-35010	3.5" DIA. HEAD (ADD COMPRESSOR)	82 CFM A	1,330	1.14	0.17	0.27	0.03	0.00	1
	C65MS004	A-450SH	4.5" DIA. HEAD (ADD COMPRESSOR)	110 CFM A	1,481	1.28	0.18	0.30	0.03	0.00	1
	C65MS005	A-600SH	6.0" DIA. HEAD (ADD COMPRESSOR)	125 CFM A	2,304	1.94	0.28	0.46	0.05	0.00	1
		WACKER									
	C65WC001	IRE 57/240/180	HI-FREQ INTERNAL,2-1/4"HD(ADD GEN)	1 HP E	1,372	1.29	0.17	0.27	0.03	0.07	1
	C65WC002	IRE 65/240/180	HI-FREQ INTERNAL,2-1/2"HD(ADD GEN)	2 HP E	1,448	1.45	0.18	0.29	0.03	0.13	1

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
C75	CRANES, HYDRAULIC, SELF-PROP.										
		BADGER									
	C75BA001	4445	45 TON, ROUGH TERRAIN, 4WD	197 HP D	410,575	66.65	19.75	23.75	7.87	6.95	781
	C75BA002	4455	55 TON ROUGH TERRAIN, 4WD	197 HP D	416,088	67.11	20.10	24.23	7.98	6.95	792
		BRODERSON									
	C75BD001	IC-80-1D	8.5 TON YARD CRANE	64 HP G	62,545	15.11	3.07	3.74	1.20	5.14	144
	C75BD002	RTR-80-3C	9.0 TON ROUGH TERRAIN, 4WD	97 HP G	78,367	20.71	3.84	4.67	1.50	7.79	160
	C75BD003	RTR-200-3A	13.6 TON ROUGH TERRAIN, 4WD	97 HP G	99,868	23.82	4.87	5.89	1.92	7.79	289
		GROVE									
	C75GV001	RT418	18 TON, ROUGH TERRAIN, 4WD	105 HP D	175,701	29.21	8.51	10.28	3.37	3.70	383
	C75GV002	RT420	20 TON, ROUGH TERRAIN, 4WD	105 HP D	175,701	29.21	8.51	10.28	3.37	3.70	383
	C75GV003	RT422	22 TON, ROUGH TERRAIN, 4WD	105 HP D	175,701	29.21	8.51	10.28	3.37	3.70	383
	C75GV004	RT58B	15 TON, ROUGH TERRAIN, 4WD	125 HP D	175,112	29.77	8.54	10.36	3.36	4.41	441
	C75GV005	RT58C	18 TON, ROUGH TERRAIN, 4WD	125 HP D	175,112	29.77	8.54	10.36	3.36	4.41	441
	C75GV006	RT58D	20 TON, ROUGH TERRAIN, 4WD	125 HP D	175,112	29.77	8.54	10.36	3.36	4.41	441
	C75GV007	RT58E	22 TON, ROUGH TERRAIN, 4WD	125 HP D	184,946	31.09	9.03	10.95	3.55	4.41	441
	C75GV008	RT522C	22 TON, ROUGH TERRAIN, 4WD	125 HP D	212,921	36.78	9.96	11.75	4.08	4.41	513
	C75GV009	RT525C	25 TON, ROUGH TERRAIN, 4WD	I25 HP D	212,921	36.78	9.96	11.75	4.08	4.41	513
	C75GV010	RT528C	28 TON, ROUGH TERRAIN, 4WD	125 HP D	212,921	36.78	9.96	11.75	4.08	4.41	513
	C75GV011	RT630B	30 TON, ROUGH TERRAIN, 4WD	125 HP D	251,044	41.93	11.85	14.07	4.81	4.41	537
	C75GV012	RT740B	40 TON, ROUGH TERRAIN, 4WD	177 HP D	340,398	54.60	16.47	19.87	6.53	6.24	655
	C75GV013	RT745	45 TON, ROUGH TERRAIN, 4WD	177 HP D	387,630	62.67	18.61	22.36	7.43	6.24	787
	C75GV014	RT760	60 TON, ROUGH TERRAIN, 4WD	195 HP D	448,100	72.12	21.50	25.81	8.59	6.88	858
	C75GV015	RT875	75 TON, ROUGH TERRAIN, 4WD	230 HP D	526,137	84.41	25.31	30.44	10.09	8.11	112
	C75GV016	RT990	90 TON, ROUGH TERRAIN, 4WD	280 HP D	675,644	107.32	31.65	37.38	12.96	9.88	1,364

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	ADJUSTABLE ELEMENTS OWNERSHIP FUEL	CWT
		LORAIN									
	C75LO001	LRT150D	15 TON, ROUGH TERRAIN, 4WD	130 HP D	209,762	35.13	10.15	12.25	4.02	4.59	477
	C75LO002	LRT180D	18 TON, ROUGH TERRAIN, 4WD	130 HP D	210,282	35.20	10.17	12.28	4.03	4.59	478
	C75LO003	LRT200D	20 TON, ROUGH TERRAIN, 4WD	130 HP D	216,671	36.07	10.50	12.67	4.16	4.59	478
	C75LO004	LRT230D	23 TON, ROUGH TERRAIN, 4WD	130 HP D	216,746	36.07	10.50	12.67	4.16	4.59	490
	C75LO005	LRT250D	25 TON, ROUGH TERRAIN, 4WD	130 HP D	216,232	36.00	10.47	12.64	4.15	4.59	510
	C75LO006	LRT275D	27.5 TON, ROUGH TERRAIN, 4WD	130 HP D	221,328	36.68	10.72	12.95	4.24	4.59	520
	C75LO008	LRT330D	35 TON, ROUGH TERRAIN, 4WD	152 HP D	250,707	42.12	12.07	14.51	4.81	5.36	550
		P & H/HARNISCHFEGER									
	C75PH001	CN 115	15 TON, ROUGH TERRAIN, 4WD	130 HP D	203,163	34.04	9.88	11.95	3.90	4.59	437
	C75PH002	CN 118	18 TON, ROUGH TERRAIN, 4WD	130 HP D	203,694	34.11	9.90	11.98	3.91	4.59	438
	C75PH003	CN 120	20 TON, ROUGH TERRAIN, 4WD	130 HP D	203,700	34.11	9.90	11.98	3.91	4.59	439
	C75PH004	CN 122	22 TON, ROUGH TERRAIN, 4WD	130 HP D	203,706	34.11	9.90	11.98	3.91	4.59	440
	C75PH005	CN 125	25 TON, ROUGH TERRAIN, 4WD	130 HP D	222,915	36.89	10.81	13.06	4.28	4.59	500
	C75PH006	CN 30	30 TON, ROUGH TERRAIN, 4WD	155 HP D	259,764	42.99	12.63	15.29	4.98	5.47	550
	C75PH007	CN 35	35 TON, ROUGH TERRAIN, 4WD	155 HP D	260,810	43.13	12.68	15.35	5.00	5.47	560
	C75PH012	CN 150	50 TON, ROUGH TERRAIN, 4WD	200 HP D	365,654	60.36	17.61	21.20	7.01	7.06	788
	C75PH013	CN 165	65 TON, ROUGH TERRAIN, 4WD	228 HP D	468,388	76.52	22.45	26.93	8.98	8.04	955
		TADANO									
	C75TD002	TR-250E	27.5TON,ROUGH TERRAIN, 4WD	153 HP D	210,186	36.16	10.18	12.30	4.03	5.40	508
	C75TD003	TR-300E	33 TON, ROUGH TERRAIN, 4WD	190 HP D	249,525	43.16	12.12	14.66	4.79	6.70	566
	C75TD004	TR-400E	45 TON, ROUGH TERRAIN, 4WD	190 HP D	378,762	62.05	18.17	21.82	7.26	6.70	843
	C75TD005	TR-500E	55 TON, ROUGH TERRAIN, 4WD	190 HP D	404,870	66.05	19.35	23.18	7.76	6.70	932
	C75TD006	TR-250XL	25 TON, ROUGH TERRAIN, 4WD	180 HP D	218,197	38.41	10.58	12.79	4.18	6.35	518
	C75TD007	TR-300XL	30 TON, ROUGH TERRAIN, 4WD	180 HP D	256,502	43.66	12.47	15.09	4.92	6.35	537
	C75TD008	TR-450XL	45 TON, ROUGH TERRAIN, 4WD	180 HP D	397,930	64.29	19.10	22.94	7.63	6.35	843
	C75TD009	TR-600XL	60 TON, ROUGH TERRAIN, 4WD	180 HP D	445,880	71.36	21.34	25.57	8.55	6.35	933

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
C80	**CRANES, HYDRAULIC, TRUCK MTD**										
	0.01	UNDER 26 TON									
		GROVE									
	C80GV001	TMS-522	22 TON, WITH 70' BOOM, 6X4WD	175 HP D	227,571	34.87	11.17	13.61	4.36	5.29	444
		LINK BELT (FMC)									
	C80LI001	HTC-814	14 TON, WITH 80' BOOM	200 HP D	273,971	41.54	13.45	16.39	5.25	6.05	486
	C80LI002	HTC-825S	25 TON, WITH 80' BOOM	205 HP D	260,352	40.08	12.78	15.57	4.99	6.20	499
		P & H/HARNISCHFEGER									
	C80PH001	CN T-250	25 TON, WITH 80' BOOM	210 HP D	273,488	41.88	13.44	16.37	5.25	6.35	492
	0.02	26 TON THRU 65 TON									
		GROVE									
	C80GV002	TMS-527.5	27.5 TON, WITH 70' BOOM, 6X4WD	175 HP D	234,430	33.66	10.59	12.28	4.45	5.29	447
	C80GV003	TMS-528B	28 TON, WITH 80' BOOM, 6X4WD	185 HP D	250,236	35.85	11.31	13.11	4.75	5.59	466
	C80GV004	TMS-250C	35 TON, WITH 80' BOOM, 6X4WD	185 HP D	284,372	39.75	12.85	14.91	5.39	5.59	494
	C80GV005	TMS-300B	40 TON, WITH 104' BOOM, 8X4WD	205 HP D	333,136	46.29	15.02	17.39	6.32	6.20	718
	C80GV006	TMS-475	50 TON, WITH 84' BOOM, 8X4WD	205 HP D	384,548	52.16	17.35	20.12	7.29	6.20	744
	C80GV007	TMS-760	60 TON, WITH 115' BOOM, 8X4WD	251 HP D	464,236	63.00	20.97	24.34	8.80	7.59	856
		LINK BELT (FMC)									
	C80LI003	HTC-830	30 TON WITH 80' BOOM	210 HP D	293,255	41.73	13.25	15.38	5.56	6.35	505
	C80LI004	HTC-835	35 TON WITH 101' BOOM	210 HP D	305,084	43.08	13.79	16.00	5.79	6.35	525
	C80LI005	HTC-840	40 TON WITH 110' BOOM	240 HP D	356,289	50.23	16.07	18.62	6.76	7.26	721
	C80LI006	HTC-850	50 TON WITH 110' BOOM	240 HP D	391,389	54.27	17.66	20.47	7.42	7.26	730
	C80LI007	HTC-860	60 TON WITH 110' BOOM	240 HP D	408,110	56.21	18.41	21.34	7.74	7.26	767

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		P & H/HARNISCHFEGER									
	C80PH002	CN T-300	30 TON WITH 100' BOOM	210 HP D	281,920	40.26	12.78	14.85	5.35	6.35	523
	C80PH003	CN T-350	35 TON WITH 110' BOOM	210 HP D	281,929	40.26	12.78	14.85	5.35	6.35	525
	C80PH006	CN T-500	50 TON WITH 110' BOOM	250 HP D	391,327	54.60	17.66	20.48	7.42	7.56	773
	C80PH007	CN T-650	65 TON WITH 126' BOOM	350 HP D	464,322	66.65	20.99	24.36	8.81	10.58	868
	0.03	66 TON THRU 125 TON									
		GROVE									
	C80GV008	TMS-875	75 TON, WITH 114' BOOM, 8X4WD	251 HP D	508,048	66.26	21.21	23.29	9.56	7.59	1,008
	C80GV009	TM-880	80 TON, WITH 114' BOOM, 8X4WD	200 HP D	582,917	74.78	24.43	26.91	10.97	8.02	1,104
			(WITH CARRIER ENGINE)	310 HP D							
	C80GV010	TM-890	90 TON, WITH 114' BOOM , 8X4WD	200 HP D	590,712	75.92	24.69	27.16	11.11	7.98	1,205
			(WITH CARRIER ENGINE)	304 HP D							
	0.04	OVER 125 TON									
		GROVE									
	C80GV011	TM-1300	130 TON, WITH 140' BOOM, 12X6WD	163 HP D	872,092	102.71	34.34	36.07	16.30	7.06	1,672
			(WITH CARRIER ENGINE)	335 HP D							
	C80GV012	TM-1500	150 TON, WITH 173' BOOM, 12X6WD	163 HP D	1,104,288	127.43	43.61	45.94	20.64	7.42	1,921
			(WITH CARRIER ENGINE)	391 HP D							
C85	CRANES, MECHANICAL, CRAWLER MTD										
	0.10	DRAGLINE, CLAMSHELL									
	0.11	0 THRU 1 CY									
		NORTHWEST									
	C85NO001	50-D/5030	1.0 CY,DRAGLINE/CLAM (ADD BUCKET) 40' BOOM,15'-4"CRAWLERS W/30" SHOES	190 HP D	318,417	54.90	17.46	22.55	6.18	4.47	930

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	FUEL	CWT
		P & H/HARNISCHFEGER									
	C85PH001	320H	.75 CY,DRAGLINE/CLAM (ADD BUCKET) 50'BOOM, 13'-7" CRAWLERS W/30"SHOES	93 HP D	163,090	28.00	8.95	11.55	3.17	2.19	580
0.12	OVER 1 CY THRU 2-1/2 CY										
		AMERICAN CRANE									
	C85AM002	5220	2.00 CY DRAGLINE/CLAM (ADD BUCKET) WITH 65' BOOM	125 HP D	414,774	61.20	20.54	25.18	7.95	2.94	910
		NORTHWEST									
	C85NO002	50-D/5035	1.25 CY,DRAGLINE/CLAM (ADD BUCKET) 50' BOOM,15'-4"CRAWLERS W/30" SHOES	190 HP D	322,209	50.38	15.96	19.56	6.18	4.47	932
	C85NO003	50-D/5050	2.0 CY,DRAGLINE/CLAM (ADD BUCKET) 60' BOOM,15'-4"CRAWLERS W/30" SHOES	238 HP D	380,454	59.92	18.85	23.10	7.30	5.60	957
	C85NO004	70-D/7060	2.5 CY,DRAGLINE/CLAM (ADD BUCKET) 50' BOOM,19'-0"CRAWLERS W/30" SHOES	238 HP D	534,696	81.25	26.48	32.46	10.25	5.60	1,425
		P & H/HARNISCHFEGER									
	C85PH002	C-65	2.00 CY,DRAGLINE/CLAM (ADD BUCKET) 90'BOOM, 18'-2" CRAWLERS W/30"SHOES	130 HP D	360,663	53.88	17.87	21.90	6.92	3.06	1,171
0.13	OVER 2-1/2 CY THRU 5 CY										
		AMERICAN CRANE									
	C85AM003	9225	4.50 CY DRAGLINE/CLAM (ADD BUCKET) WITH 95' BOOM	289 HP D	979,906	134.84	44.61	52.06	18.58	6.80	2,650

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		MANITOWOC									
	C85MA001	3900 VICON	3.5 CY,DRAGLINE/CLAM (ADD BUCKET) 100'BOOM, 20'-4"CRAWLERS W/38"SHOES	287 HP D	591,783	84.58	26.94	31.44	11.22	6.75	2,306
	C85MA002	4100W VICON #1	5.0 CY,DRAGLINE/CLAM (ADD BUCKET) 130'BOOM, 26'-6"CRAWLERS W/48"SHOES	360 HP D	995,987	138.91	45.35	52.91	18.89	8.47	3,788
		NORTHWEST									
	C85NO005	70-D/7080	3.5 CY,DRAGLINE/CLAM (ADD BUCKET) 80' BOOM,19'-0"CRAWLERS W/30" SHOES	238 HP D	630,842	88.26	28.72	33.51	11.96	5.60	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	597,223	85.77	27.20	31.73	11.33	7.15	1,580
		P & H/HARNISCHFEGER									
	C85PH004	C-120	4.00 CY,DRAGLINE/CLAM (ADD BUCKET) 115'BOOM,24'-0" CRAWLERS W/36"SHOES	260 HP D	595,763	84.35	27.13	31.65	11.30	6.12	2,203
	C85PH005	C-165	5.00 CY,DRAGLINE/CLAM (ADD BUCKET) 135'BOOM,26'-3"CRAWLERS W/42"SHOES	260 HP D	790,389	109.52	35.99	41.99	14.99	6.12	2,510
0.14	OVER 5 CY										
		AMERICAN CRANE									
	C85AM004	12220	37.5 TON CLAMSHELL (ADD BUCKET) 120'BOOM, 32'-3"CRAWLERS W/60"SHOES	900 HP D	2,234,806	298.81	94.81	105.53	42.04	21.17	6,670
	C85AM005	12220	23 TON DRAGLINE (ADD BUCKET) 140'BOOM, 32'-3"CRAWLERS W/60"SHOES	900 HP D	2,244,164	299.95	95.21	105.97	42.22	21.17	6,566
		MANITOWOC									
	C85MA003	4600 VICON #3	7.0 CY,DRAGLINE/CLAM (ADD BUCKET) 140'BOOM,26'-1"CRAWLERS W/60"SHOES	685 HP D	1,585,363	213.28	67.25	74.86	29.82	16.11	5,100

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	FUEL	CWT
		NORTHWEST									
	C85NO007	190-D	6.5 CY,DRAGLINE (ADD BUCKET) 85'BOOM, 21'-1"CRAWLERS W/60" SHOES	456 HP D	797,965	110.52	33.85	37.68	15.01	10.73	2,740
0.20	LIFTING										
0.21	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	163,238	23.89	8.49	10.67	3.15	1.72	610
0.22	26 TON THRU 50 TON										
		AMERICAN CRANE									
	C85AM007	5220	50 TON LIFTCRANE WITH 65' BOOM 16'-0" CRAWLERS WITH 36" SHOES	125 HP D	425,019	55.38	20.14	24.08	8.10	2.31	1,020
		LINK BELT									
	C85LB002	LS-98C	40 TON LIFTING CRANE W/50' BOOM 16'-9" CRAWLERS W/30" SHOES	120 HP D	286,778	38.14	13.59	16.25	5.46	2.22	830
	C85LB003	LS-108C	45 TON LIFTING CRANE W/50' BOOM 16'-9" CRAWLERS W/30" SHOES	120 HP D	345,132	45.39	16.36	19.56	6.58	2.22	850
	C85LB004	LS-110C	50 TON LIFTING CRANE W/50' BOOM 18'-5" CRAWLERS W/30" SHOES	120 HP D	407,503	53.11	19.32	23.09	7.77	2.22	1,100
		NORTHWEST									
	C85NO008	50-D/5030	30 TON LIFTING CRANE W/40' BOOM 15'-4" CRAWLERS W/30" SHOES	190 HP D	291,499	40.24	13.81	16.52	5.55	3.51	869
	C85NO009	50-D/5035	35 TON LIFTING CRANE W/50' BOOM 15'-4" CRAWLERS W/30" SHOES	190 HP D	293,898	40.54	13.93	16.65	5.60	3.51	872

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	C85NO010	50-D/5050	50 TON LIFTING CRANE W/60' BOOM 15'-4" CRAWLERS W/30" SHOES	238 HP D	378,628	52.10	17.95	21.46	7.22	4.40	952
0.23	51 TON THRU 150 TON										
		AMERICAN CRANE									
	C85AM008	5299A	60 TON LIFTCRANE WITH 75' BOOM 17'-6" CRAWLERS WITH 36" SHOES	125 HP D	454,197	53.41	19.27	21.45	8.54	2.31	1,160
	C85AM009	5300	70 TON LIFTCRANE WITH 160' BOOM 17'-6" CRAWLERS WITH 36" SHOES	125 HP D	490,458	57.46	20.81	23.16	9.23	2.31	1,290
	C85AM010	7225	85 TON LIFTCRANE WITH 160' BOOM 18'-7" CRAWLERS WITH 38" SHOES	213 HP D	659,704	78.27	27.99	31.15	12.41	3.94	1,480
	C85AM011	9225	150 TON LIFTCRANE WITH 190' BOOM 23'-9" CRAWLERS WITH 44" SHOES	289 HP D	1,025,637	120.75	43.51	48.43	19.29	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	533,076	63.74	22.62	25.17	10.03	3.60	1,445
	C85LB006	LS-208H	75 TON LIFTING CRANE W/200' BOOM 19'-5" CRAWLERS W/36" SHOES	250 HP D	616,140	74.22	26.14	29.10	11.59	4.62	1,865
	C85LB007	LS-218H	100 TON LIFTING CRANE W/230' BOOM 21'-4" CRAWLERS W/36" SHOES	247 HP D	775,366	91.91	32.90	36.61	14.59	4.56	2,235
		MANITOWOC									
	C85MA004	3900 VICON	100 TON LIFTING CRANE W/210' BOOM 20'-4" CRAWLERS W/38" SHOES	287 HP D	651,060	78.93	27.62	30.74	12.25	5.30	2,354
	C85MA005	3900W VICON #2	140 TON LIFTING CRANE W/250' BOOM 24'-0" CRAWLERS W/48" SHOES	300 HP D	769,139	92.39	32.63	36.32	14.47	5.54	2,815
		NORTHWEST									
	C85NO011	70-D/7060	60 TON LIFTING CRANE W/50' BOOM 19'-0" CRAWLERS W/30" SHOES	238 HP D	526,389	63.95	22.33	24.86	9.90	4.40	1,403
	C85NO012	70-D/7080	80 TON LIFTING CRANE W/160' BOOM 19'-0" CRAWLERS W/30" SHOES	238 HP D	648,206	77.53	27.50	30.61	12.19	4.40	1,524

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	FUEL	CWT
	C85N0013	95-D/9570-WT	60 TON LIFTING CRANE W/50' BOOM 19'-0" CRAWLERS W/38" SHOES	304 HP D	588,945	72.39	24.99	27.81	11.08	5.62	1,565
	C85N0014	190-D	100 TON LIFTING CRANE W/170' BOOM 21'-1" CRAWLERS W/60" SHOES	456 HP D	824,763	102.04	35.00	38.95	15.52	8.43	2,872
		P & H/HARNISCHFEGER									
	C85PH007	C-65	65 TON LIFTING CRANE W/180' BOOM 18'-2" CRAWLERS WITH 30" SHOES	130 HP D	386,561	45.97	16.40	18.25	7.27	2.40	1,352
	C85PH009	C-120	120 TON LIFTING CRANE W/230' BOOM 24'-0" CRAWLERS WITH 36" SHOES	260 HP D	617,585	74.60	26.20	29.16	11.62	4.80	2,340
0.24	OVER 150 TON										
		AMERICAN CRANE									
	C85AM012	9300	225 TON LIFTING CRANE W/280' BOOM 26'-6" CRAWLERS WITH 44" SHOES	279 HP D	1,086,847	122.52	43.41	46.19	20.31	5.16	3,790
	C85AM013	9320	250 TON LIFTING CRANE W/280' BOOM 28'-2" CRAWLERS WITH 50" SHOES	279 HP D	1,326,819	148.20	53.00	56.39	24.80	5.16	4,050
	C85AM014	10320	350 TON LIFTING CRANE W/280' BOOM 31'-4" CRAWLERS WITH 50" SHOES	519 HP D	1,808,705	205.10	72.24	76.87	33.80	9.59	5,510
	C85AM015	11320	450 TON LIFTING CRANE W/280' BOOM 26'-9" CRAWLERS WITH 60" SHOES	519 HP D	2,503,265	279.41	99.98	106.39	46.78	9.59	6,860
		LINK BELT									
	C85LB008	LS-918	400 TON LIFTING CRANE W/340' BOOM 34'-10" CRAWLERS W/60" SHOES	600 HP D	2,852,595	318.61	113.93	121.24	53.31	11.09	6,783
	C85LB009	LS-1018	500 TON LIFTING CRANE W/340' BOOM 38'-6" CRAWLERS W/60" SHOES	600 HP D	3,417,406	379.04	136.49	145.24	63.87	11.09	8,021
	C85LB010	LS-718	250 TON LIFTING CRANE W/250' BOOM 27'6" CRAWLERS W/50" SHOES	450 HP D	1,401,523	160.00	55.97	59.56	26.19	8.32	5,156
	C85LB011	LS-818	300 TON LIFTING CRANE W/300' BOOM 31'6" CRAWLERS W/50" SHOES	450 HP D	1,618,844	183.26	64.66	68.80	30.26	8.32	5,758

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		MANITOWOC									
	C85MA006	4100W VICON #1	200 TON LIFTING CRANE W/260' BOOM 26'-6" CRAWLERS W/48" SHOES	360 HP D	1,070,062	122.53	42.74	45.48	20.00	6.65	3,929
	C85MA007	4600 VICON #3	240 TON LIFTING CRANE W/260' BOOM 26'-1" CRAWLERS W/60" SHOES	685 HP D	1,691,598	196.28	67.56	71.89	31.61	12.66	5,200
		P & H/HARNISCHFEGER									
	C85PH010	C-165	165 TON LIFTING CRANE W/270' BOOM 26'-3" CRAWLERS WITH 42" SHOES	260 HP D	848,218	96.55	33.88	36.05	15.85	4.80	3,333
	C85PH011	DELTA 5250	250 TON LIFTING CRANE W/290' BOOM 30'-5" CRAWLERS WITH 48" SHOES	328 HP D	1,114,211	126.53	44.50	47.35	20.82	6.06	4,373
C90	**CRANES, MECHANICAL, TRUCK MTD**										
	0.02	26 TON THRU 65 TON									
		LINK BELT (FMC)									
	C90LI001	HC78B	35 TON WITH 100' BOOM (WITH CARRIER ENGINE)	84 HP D 205 HP D	444,160	56.14	20.06	23.27	8.42	3.84	773
	C90LI002	HC108C	50 TON WITH 150' BOOM (WITH CARRIER ENGINE)	110 HP D 318 HP D	534,149	68.85	24.02	27.78	10.13	5.35	1,197
	0.03	66 TON THRU 125 TON									
		AMERICAN CRANE									
	C90AM001	5530	75 TON WITH 170' BOOM (WITH CARRIER ENGINE)	128 HP D 238 HP D	569,899	69.95	23.91	26.38	10.72	5.38	1,245
	C90AM002	7150	125 TON WITH 240' BOOM (WITH CARRIER ENGINE)	330 HP D 330 HP D	698,379	92.35	29.33	32.37	13.14	12.08	1,900

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		LINK BELT (FMC)									
	C90LI003	HC218A	100 TON WITH 220' BOOM	165 HP D	778,461	95.17	32.65	36.02	14.64	7.01	1,688
			(WITH CARRIER ENGINE)	318 HP D							
0.04	OVER 125 TON										
		AMERICAN CRANE									
	C90AM003	8470	180 TON WITH 240' BOOM	268 HP D	1,009,958	119.24	40.11	42.46	18.88	10.04	2,520
			(WITH CARRIER ENGINE)	305 HP D							
	C90AM004	9530	220 TON WITH 260' BOOM	268 HP D	1,368,556	160.97	53.90	56.63	25.58	10.97	3,480
			(WITH CARRIER ENGINE)	450 HP D							
		LINK BELT (FMC)									
	C90LI004	HC238B	140 TON WITH 230' BOOM	165 HP D	944,013	109.22	37.37	39.46	17.64	7.01	2,220
			(WITH CARRIER ENGINE)	318 HP D							
	C90LI005	HC268	250 TON WITH 310' BOOM	314 HP D	1,554,292	180.47	61.58	65.06	29.05	12.29	2,852
			(WITH CARRIER ENGINE)	440 HP D							
		P & H/HARNISCHFEGER									
	C90PH001	9150	150 TON WITH 270' BOOM	210 HP D	1,007,768	117.53	39.92	42.17	18.83	8.35	1,805
			(WITH CARRIER ENGINE)	315 HP D							
	C90PH002	6250TC	300 TON WITH 320' BOOM	378 HP D	1,820,602	211.02	72.18	76.30	34.03	14.29	3,928
			(WITH CARRIER ENGINE)	450 HP D							

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
C95 CRANES, TOWER											
		LIEBHERR									
	C95LH001	88 HC	FREE STANDING TOWER CRANE 12 @ 8'2" TOWER SECTIONS, 132 FT HOOK HEIGHT, 148 FT MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 4,190#, MAXIMUM CAPACITY = 13,230#	62 HP E	368,825	49.15	15.40	16.39	7.20	4.03	805
	C95LH002	88 HC	BOTTOM CLIMB TOWER CRANE 9 @ 8'2" TOWER SECTIONS, 100 FT HOOK HEIGHT, 148 FT MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 4,190#, MAXIMUM CAPACITY = 13,230#	62 HP E	408,081	53.45	17.03	18.14	7.96	4.03	701
	C95LH003	132 HC	FREE STANDING TOWER CRANE 13 @ 8'2" TOWER SECTIONS, 140 FT HOOK HEIGHT, 164 FT MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 4,850#, MAXIMUM CAPACITY = 17,635#	94 HP E	464,087	62.58	19.38	20.63	9.06	6.11	950
	C95LH004	132 HC	BOTTOM CLIMB TOWER CRANE 9 @ 8'2" TOWER SECTIONS, 100 FT HOOK HEIGHT, 164 FT MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 4,850#, MAXIMUM CAPACITY = 17,635#	94 HP E	490,596	65.46	20.47	21.80	9.57	6.11	801
	C95LH005	200 HC	FREE STANDING TOWER CRANE 9 @ 13'7" TOWER SECTIONS, 163 FT HOOK HEIGHT, 197 FT MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 5,070#, MAXIMUM CAPACITY = 22,045#	121 HP E	647,570	86.17	27.03	28.78	12.64	7.87	1,296
	C95LH006	200 HC	BOTTOM CLIMB TOWER CRANE 9 @ 13'7" TOWER SECTIONS, 147 FT HOOK HEIGHT, 197 FT MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 5,070#, MAXIMUM CAPACITY = 22,045#	121 HP E	726,652	94.83	30.33	32.30	14.18	7.87	1,207
	C95LH007	281 HC	FREE STANDING TOWER CRANE 9 @ 13'7" TOWER SECTIONS, 175 FT HOOK HEIGHT, 230 FT MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 6,165#, MAXIMUM CAPACITY = 26,455#	122 HP E	847,352	108.13	35.37	37.66	16.54	7.93	1,654

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	FUEL	CWT
	C95LH008	281 HC	BOTTOM CLIMB TOWER CRANE 9 @ 13'7" TOWER SECTIONS, 150 FT HOOK HEIGHT, 230 FT MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 6,615#, MAXIMUM CAPACITY = 26,455#	122 HP E	915,636	115.60	38.22	40.69	17.87	7.93	1,504
	C95LH009	290 HC	FREE STANDING TOWER CRANE 10 @ 13'7" TOWER SECTIONS, 188 FT HOOK HEIGHT, 230 FT MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 6,615#, MAXIMUM CAPACITY = 26,455#	122 HP E	886,681	112.43	37.01	39.41	17.30	7.93	1,741
	C95LH010	290 HC	BOTTOM CLIMB TOWER CRANE 9 @ 13'7" TOWER SECTIONS, 150 FT HOOK HEIGHT, 230 FT MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 6,615#, MAXIMUM CAPACITY = 26,455#	122 HP E	938,013	118.06	39.16	41.69	18.31	7.93	1,516
	C95LH011	390 HC	FREE STANDING TOWER CRANE 10 @ 19' TOWER SECTIONS, 199 FT HOOK HEIGHT, 246 FT MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 6,615#, MAXIMUM CAPACITY = 35,275#	167 HP E	1,227,727	154.97	51.25	54.57	23.96	10.86	2,826
	C95LH012	390 HC	BOTTOM CLIMB TOWER CRANE 9 @ 19' TOWER SECTIONS, 199 FT HOOK HEIGHT, 246 FT MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 6,615#, MAXIMUM CAPACITY = 35,275#	167 HP E	1,398,769	173.69	58.39	62.17	27.30	10.86	2,397
	C95LH013	550 HC	FREE STANDING TOWER CRANE 12 @ 19' TOWER SECTIONS, 237 FT HOOK HEIGHT, 265 FT MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 7,720#, MAXIMUM CAPACITY = 44,090#	170 HP E	1,435,995	178.04	59.93	63.82	28.02	11.05	3,248
	C95LH014	550 HC	BOTTOM CLIMB TOWER CRANE 9 @ 19' TOWER SECTIONS, 199 FT HOOK HEIGHT, 265 FT MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 7,720#, MAXIMUM CAPACITY = 44,090#	170 HP E	1,525,187	187.81	63.66	67.79	29.76	11.05	2,848
	C95LH015	550 HC-L	FREE STANDING LUFFING TOWER CRANE 5 @ 19' TOWER SECTIONS, 191 FT HOOK HEIGHT, 197 FT MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 15,000#, MAXIMUM CAPACITY = 70,550#	200 HP E	2,339,491	281.75	97.65	103.98	45.66	13.00	3,721

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	ADJUSTABLE ELEMENTS OWNERSHIP FUEL	CWT
	C95LH016	550 HC-L	BOTTOM CLIMB LUFFING TOWER CRANE 6 @ 19' TOWER SECTIONS, 187 FT HOOK HEIGHT, 197 FT MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 15,000#, MAXIMUM CAPACITY = 70,550#	200 HP E	2,700,823	321.30	112.73	120.04	52.71	13.00	3,896
	C95LH017	24K	SELF-ERECTING TOWER CRANE 66 FT HOOK HEIGHT, 75 FT MAX HOOK RADIUS, CAPACITY AT MAX HOOK RAD = 1,875#, MAXIMUM CAPACITY = 3,860#	17 HP E	108,040	15.42	4.51	4.80	2.11	1.11	403
	C95LH018	30K	SELF-ERECTING TOWER CRANE 66 FT HOOK HEIGHT, 98 FT MAX HOOK RADIUS, CAPACITY AT MAX HOOK RAD = 1,935#, MAXIMUM CAPACITY = 6,615#	19 HP E	141,774	19.30	5.92	6.30	2.77	1.24	584
	C95LH019	66K	SELF-ERECTING TOWER CRANE 5 @ 7'10" TOWER SECTIONS, 105 FT HOOK HEIGHT, 131 FT MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 3,040#, MAXIMUM CAPACITY = 11,025#	33 HP E	311,229	39.14	12.99	13.83	6.07	2.15	1,085
	C95LH020	77K	SELF-ERECTING TOWER CRANE 5 @ 7'10" TOWER SECTIONS, 105 FT HOOK HEIGHT, 139 FT MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 2,670#, MAXIMUM CAPACITY = 13,230#	35 HP E	337,893	42.25	14.10	15.02	6.59	2.28	1,249
	C95LH021	97K	SELF-ERECTING TOWER CRANE 5 @ 7'10" TOWER SECTIONS, 105 FT HOOK HEIGHT, 148 FT MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 3,970#, MAXIMUM CAPACITY = 26,455#	35 HP E	494,394	59.38	20.64	21.97	9.65	2.28	1,593
	C95LH022	140K	SELF-ERECTING TOWER CRANE STATION. 8 @ 9'10" TOWER SECTIONS, 146 FT HOOK HEIGHT, 180 FT MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 3,525#, MAXIMUM CAPACITY = 22,045#	65 HP E	630,748	78.11	26.33	28.03	12.31	4.23	1,836

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
D10 DRILLS, AIR TRACK, CRAWLER MTD											
		GARDNER DENVER									
	D10GD001	ATD3800S/PR55A	3.5" HOLE, 12' FEED (ADD COMPR)	600 CFM A	93,807	18.89	5.67	7.50	1.92	0.00	92
	D10GD002	ATD3800SPR123JA	4.0" HOLE, 12' FEED (ADD COMPR)	750 CFM A	95,625	19.24	5.78	7.65	1.95	0.00	91
	D10GD003	ATD3800S/PR66B	4.0" HOLE, 12' FEED (ADD COMPR)	900 CFM A	98,639	19.82	5.97	7.89	2.02	0.00	93
	D10GD004	ATD3800T/PR55A	ANGLE DRILL, 3.5" HOLE, 20' FEED (ADD COMPRESSOR)	600 CFM A	101,864	20.49	6.16	8.15	2.08	0.00	123
	D10GD005	ATD3800TPR123JA	ANGLE DRILL, 4.0" HOLE, 20' FEED (ADD COMPRESSOR)	750 CFM A	103,803	20.86	6.27	8.30	2.12	0.00	124
	D10GD006	ATD3800T/PR66B	ANGLE DRILL, 4.0" HOLE, 20' FEED (ADD COMPRESSOR)	900 CFM A	106,737	21.43	6.45	8.54	2.18	0.00	125
	D10GD007	SCH2500	HYDRAULIC DRILL, 12' CHAIN FEED	152 HP D	181,605	42.19	10.98	14.53	3.71	5.75	144
	D10GD008	SCH3500BV1	HYDRAULIC DRILL, 12' CHAIN FEED	223 HP D	259,536	60.55	15.68	20.76	5.30	8.43	125
		INGERSOLL-RAND									
	D10IN001	ECM360/EVL130HR	HYDRA DRILL 2.5-4.0" HOLE, 12'FEED	215 HP D	175,525	43.98	10.61	14.04	3.59	8.13	220
	D10IN002	ECM350/VL671	3.0-4.0" HOLE 12'FEED (ADD COMPR)	900 CFM A	110,176	22.09	6.66	8.81	2.25	0.00	131
	D10IN003	ECM350/VL140	2.5-4.0" HOLE 12'FEED (ADD COMPR)	750 CFM A	97,160	19.54	5.88	7.77	1.99	0.00	129
		SULLIVAN									
	D10SU001	MAVRICK, VCR350	2.5" HOLE, 12' FEED (ADD COMPR)	450 CFM A	38,085	7.84	2.31	3.05	0.78	0.00	60
	D10SU002	RAM STD, VCR360	2.5"-4.0" HOLE,12' FEED (ADD COMPR)	600 CFM A	109,711	21.97	6.63	8.78	2.24	0.00	149
	D10SU003	RAM EXT, VCR361	3.0"-4.0" HOLE,12' FEED (ADD COMPR)	850 CFM A	115,022	22.99	6.95	9.20	2.35	0.00	205
	D10SU004	MUSTANG, VCR280	4.0"-5.5" HOLE,20' FEED (ADD COMPR)	1,200 CFM A	155,342	30.87	9.39	12.43	3.17	0.00	255
D15 DRILLS, BORING MACHINES											
		BOR-IT									
	D15BI001	16	16" DIA. AUGER, 40-FT LONG W/DIRTHD	10 HP G	8,504	2.65	0.51	0.68	0.17	0.85	18
	D15BI002	20	20" DIA. AUGER, 40-FT LONG W/DIRTHD	16 HP G	13,235	4.18	0.80	1.06	0.27	1.37	21
	D15BI003	24	24" DIA. AUGER, 40-FT LONG W/DIRTHD	31 HP D	15,581	4.33	0.95	1.25	0.32	1.17	49

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	D15BI004	30	30" DIA. AUGER, 40-FT LONG W/DIRTHD	45 HP D	31,812	7.95	1.92	2.54	0.65	1.70	70
	D15BI005	36	36" DIA. AUGER, 40-FT LONG W/DIRTHD	65 HP D	42,273	10.82	2.55	3.38	0.86	2.46	90
	D15BI006	48	48" DIA. AUGER, 40-FT LONG W/DIRTHD	90 HP D	66,358	16.42	4.02	5.31	1.36	3.40	170
	D15BI007	60	60" DIA. AUGER, 40-FT LONG W/DIRTHD	110 HP D	87,458	21.24	5.29	7.00	1.79	4.16	250
D20 DRILLS, CORE, COLUMN MOUNTED											
		ACKER DRILL									
	D20AD001	610-E	4" DIA. MAX CORE HOLE	1 HP E	2,418	0.84	0.17	0.24	0.05	0.08	1
	D20AD002	930-E	9" DIA. MAX CORE HOLE	2 HP E	2,979	1.12	0.21	0.30	0.06	0.16	2
	D20AD003	1050-E	10" DIA. MAX CORE HOLE	3 HP E	4,765	1.68	0.34	0.48	0.10	0.24	3
	D20AD004	1080-E	10" DIA. MAX CORE HOLE	11 HP E	10,910	4.60	0.78	1.09	0.23	0.88	6
		LONGYEAR									
	D20LY001	752/E4-230	DRILL, WITH E4-230 MOTOR (110V)	3 HP E	4,610	1.84	0.33	0.46	0.10	0.24	2
	D20LY002	42N/A4-350	DRILL, W/A4-350 MOTOR, (ADD COMPR)	185 CFM A	4,905	1.67	0.35	0.49	0.10	0.00	3
D25 DRILLS, CORE, SKID MOUNTED											
		ACKER DRILL									
	D25AD001	ACE,MODEL C	NX, 400' MAX DRILL DEPTH	20 HP D	29,250	6.57	1.77	2.34	0.60	0.76	35
	D25AD002	TEREDO MARK-II	NX, 1000' MAX DRILL DEPTH	48 HP D	39,688	9.85	2.40	3.18	0.81	1.81	45
	D25AD003	BUSH MASTER	NX, 900' MAX DRILL DEPTH	52 HP D	54,003	12.80	3.26	4.32	1.10	1.97	45
		DEMOLITION TECHNOLOGIES									
	D25DE001	M	POWER PACK PLUS DOWELING UNIT SKID MOUNTED	20 HP D	17,071	4.22	1.04	1.37	0.35	0.76	3
		E-Z DRILL									
	D25EZ001	210 HORIZONTAL	HORIZONTAL DOWELLING ASSEMBLY WITH DRILL DEPTH MAXIMUM 18" ADD 100 CFM COMPRESSOR, 18-25 PSI		5,416	1.54	0.33	0.43	0.11	0.00	3

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	D25EZ002	210 MOBILE	HORIZONTAL DOWELLING ASSEMBLY W/MOBILE ASSEMBLY, 18" MAX DEPTH ADD 100 CFM COMPRESSOR. 18-25 PSI		5,676	1.61	0.34	0.43	0.12	0.00	3
	D25EZ003	210 VERTICAL	HORIZONTAL DOWELLING ASSEMBLY W/VERTICAL CONVERSION KIT, 18" MAX ADD 100 CFM COMPRESSOR. 5-9 PSI		5,607	1.59	0.33	0.44	0.11	0.00	3
	D25EZ004	210-3	DOWELING MACHINE, SELF-PROPELLED ASSEMBLY, DRILL DEPTH 18" MAX ADD 100 CFM COMPRESSOR. 18-25 PSI		21,763	5.40	1.30	1.71	0.44	0.00	10
	D25EZ005	210-3 L&T	DOWELING MACHINE, SELF-PROPELLED WITH LIFT AND TRAVEL ASSEMBLY DRILL DEPTH 18" MAX ADD 100 CFM COMPRESSOR. 18-25 PSI		23,743	5.84	1.43	1.87	0.49	0.00	12
		SPRAGUE AND HENWOOD									
	D25SP001	37	NWG-NWM, 400' MAX	30 HP G	18,908	6.57	1.15	1.51	0.39	2.56	16
	D25SP002	37-H	NWG-NWM, 500' MAX	23 HP G	20,414	6.18	1.24	1.63	0.42	1.97	18
	D25SP003	40-CL	NWX, 1050' MAX, MECHANICAL	40 HP G	30,398	9.76	1.84	2.43	0.62	3.42	34
	D25SP004	40-CLH	NWX, 1050' MAX, HYDRAULIC	46 HP G	33,560	10.95	2.03	2.68	0.69	3.93	43
	D25SP005	142-HD	NWXL, 2500' MAX	91 HP G	43,684	17.28	2.64	3.49	0.89	7.78	42
	D25SP006	20 MF	AWG/AWM 180' MAX, WITH TRAILER	35 HP D	25,276	6.49	1.52	2.00	0.52	1.32	59
	D25SP007	20 MH	NWG/NWM 140' MAX, WITH TRAILER	47 HP D	30,999	8.14	1.86	2.46	0.63	1.78	98
D30	**DRILLS, EARTH/AUGER**										
		DEMOLITION TECHNOLOGIES									
	D30DE002	HMM55	MOBILE DRILL PKG, SELF-CONTAINED	30 HP D	26,606	6.58	1.59	2.10	0.54	1.13	20
		HYDRAULIC POWER SYSTEMS									
	D30HD001	H-15	HYDRAULIC AUGER W/60'- 8"X21" LEADS 15,000 FT-LBS TORQUE, (ADD CRANE)	210 HP D	69,670	25.30	4.21	5.57	1.42	7.94	137
	D30HD002	H-35VT	HYDRAULIC AUGER W/60'- 8"X26" LEADS 33,000 FT-LBS TORQUE, (ADD CRANE)	270 HP D	122,475	39.33	7.40	9.80	2.50	10.21	163

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	D30HD003	H-50VT	HYDRAULIC AUGER W/60'-10"X37" LEADS 50,000 FT-LBS TORQUE, (ADD CRANE)	335 HP D	139,927	46.73	8.46	11.19	2.86	12.66	291
		MOBILE DRILL									
	D30MR001	MINUTEMAN	DRILL W/AUGER KIT, 347 FT-LB TORQUE PORTABLE	7 HP G	5,736	1.88	0.35	0.46	0.12	0.60	4
	D30MR002	B-24 SURVEYOR	DRILL W/AUGER KIT, 710 FT-LB TORQUE SKID-MOUNTED	24 HP G	15,676	5.64	0.95	1.25	0.32	2.05	20
	D30MR003	B-31	HYDRAULIC AUGER, 3,275 FT-LB TORQUE TRAILER MOUNTED	95 HP G	27,168	15.65	1.63	2.13	0.56	8.12	42
	D30MR004	B-34	HYDRAULIC AUGER, 3,275 FT-LB TORQUE TRAILER MOUNTED	105 HP D	33,036	11.34	1.98	2.60	0.68	3.97	55
	D30MR005	B-53	MULTI-PURPOSE, 5,955 FT-LBS TORQUE WITH 21,000 GVW TRUCK W/PTO DRIVE	164 HP G	59,017	29.48	3.51	4.60	1.21	14.02	120
	D30MR006	B-57	MULTI-PURPOSE, 7,000 FT-LBS TORQUE WITH 21,000 GVW TRUCK	120 HP G	65,007	28.64	3.87	5.08	1.33	12.45	130
			(WITH CARRIER ENGINE)	164 HP G							
	D30MR007	B-61HD	MULTI-PURPOSE, 8,900 FT-LBS TORQUE WITH 44,300 GVW TRUCK	120 HP G	110,201	38.24	6.60	8.69	2.25	13.15	205
			(WITH CARRIER ENGINE)	216 HP G							
D35 DRILLS, ROTARY BLAST HOLE											
0.10	DIESEL or GASOLINE										
0.11	0" THRU 11" DIA. HOLE										
		GARDNER DENVER									
	D35GD001	RDC-16B	3" TO 5-1/8" HOLES, CRAWLER MTD	131 HP D	215,197	37.38	10.42	12.30	4.27	4.95	310
	D35GD002	GD-25C	5-1/8" TO 7-3/8" HOLES, CRWLR MTD	250 HP D	222,691	44.43	10.79	12.73	4.42	9.45	550
	D35GD003	GD-35B	6" TO 8-3/4" HOLES, CRAWLER MOUNTED	250 HP D	285,078	53.36	13.81	16.29	5.66	9.45	550
	D35GD004	GD-45C	6-3/4" TO 9" HOLES, CRAWLER MOUNTED	325 HP D	354,193	67.02	17.15	20.24	7.03	12.29	775

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		INGERSOLL-RAND									
	D35IN001	DM-25	6 3/4" DRILLMASTER, CRAWLER MOUNTED	450 HP D	365,261	74.88	17.69	20.87	7.25	17.01	500
	D35IN002	T4-BH	7-7/8" DRILLMASTER, TRUCK MOUNTED	530 HP D	498,311	101.00	24.00	28.22	9.89	21.56	550
			(WITH CARRIER ENGINE)	240 HP D							
	D35IN003	TH-60	16" WATER WELL DRILL, TRUCK MOUNTED	475 HP D	384,074	79.70	18.49	21.73	7.62	17.96	460
		ROBBINS									
	D35RO001	RRT 35	6-1/4" TO 8-0" HOLE, TRUCK MOUNTED	400 HP D	336,540	69.19	16.17	18.98	6.68	15.12	600
	D35RO002	RRT 60	6-3/4" TO 9-7/8" HOLE,TRUCK MOUNTED	350 HP D	504,655	93.39	24.22	28.39	10.02	14.66	1,000
			(WITH CARRIER ENGINE)	225 HP D							
	D35RO003	RR10S	6-3/4" TO 9" HOLE, MTD ON D9N CRWLR	370 HP D	410,037	77.27	19.86	23.43	8.14	13.99	1,160
	D35RO004	RR10HD	6-3/4" TO 10 5/8" HOLE, MTD ON D9N	370 HP D	458,465	84.20	22.20	26.20	9.10	13.99	1,340
	D35RO005	RRC 50	6-1/4" TO 9-7/8" HOLE, CRAWLER MTD	400 HP D	385,651	75.30	18.68	22.04	7.66	15.12	1,030
0.12	OVER 11" DIAM.										
		ROBBINS									
	D35RO006	RR10XHD	9-7/8" TO 12-1/4" HOLE, MTD ON FD50	525 HP D	675,008	103.23	28.17	30.00	13.17	19.85	1,830
F10	FORK LIFTS										
		CATERPILLAR									
	F10CA001	M25D	2500# @ 24" LOAD CENTER	18 HP E	22,401	5.46	1.34	1.76	0.46	1.17	65
	F10CA002	MC30D	3000# @ 24" LOAD CENTER	18 HP E	23,015	5.56	1.37	1.80	0.47	1.17	65
	F10CA003	MC40D	4000# @ 24" LOAD CENTER	32 HP E	25,085	7.17	1.49	1.96	0.51	2.08	71
	F10CA004	M50D	5000# @ 24" LOAD CENTER	32 HP E	28,036	7.67	1.67	2.19	0.57	2.08	95
	F10CA005	MC60D-SA	6000# @ 24" LOAD CENTER	47 HP E	33,049	9.90	1.98	2.60	0.68	3.06	105
	F10CA006	M70B	7000# @ 24" LOAD CENTER	53 HP E	40,202	11.68	2.39	3.14	0.82	3.45	134
	F10CA007	M80B	8000# @ 24" LOAD CENTER	53 HP E	42,033	11.97	2.51	3.29	0.86	3.45	142
	F10CA008	M100B	10000# @ 24" LOAD CENTER	53 HP E	43,757	12.25	2.62	3.46	0.89	3.45	160
	F10CA009	V30D	3000# @ 24" LOAD CENTER	37 HP G	21,133	6.67	1.27	1.68	0.43	2.55	61
	F10CA010	V40D	4000# @ 24" LOAD CENTER	48 HP G	23,986	8.11	1.42	1.85	0.49	3.31	88

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	F10CA011	V50D	5000# @ 24" LOAD CENTER	48 HP G	25,642	8.42	1.50	1.95	0.52	3.31	95
	F10CA012	V60E	6000# @ 24" LOAD CENTER	63 HP G	37,386	11.65	2.22	2.92	0.76	4.35	117
	F10CA013	V70E	7000# @ 24" LOAD CENTER	63 HP G	37,698	11.70	2.24	2.94	0.77	4.35	125
	F10CA014	V80E	8000# @ 24" LOAD CENTER	63 HP G	39,210	11.95	2.33	3.06	0.80	4.35	131
	F10CA015	V110	11000# @ 24" LOAD CENTER	66 HP D	55,918	11.97	3.33	4.37	1.14	2.00	180
	F10CA016	V150	15000# @ 24" LOAD CENTER	70 HP D	60,160	12.83	3.59	4.71	1.23	2.12	201
	F10CA017	V180B	18000# @ 24" LOAD CENTER	125 HP D	79,624	18.24	4.70	6.14	1.63	3.78	250
	F10CA018	V200B	20000# @ 24" LOAD CENTER	125 HP D	86,923	19.49	5.15	6.73	1.78	3.78	273
	F10CA019	V250B	25000# @ 24" LOAD CENTER	125 HP D	94,199	20.67	5.60	7.36	1.92	3.78	342
	F10CA020	V300B	30000# @ 24" LOAD CENTER	125 HP D	97,848	21.42	5.74	7.48	2.00	3.78	372
	F10CA021	R40	4000# @ 24" LOAD CNTR ROUGH TERRAIN	68 HP D	37,535	8.96	2.21	2.87	0.77	2.06	107
	F10CA022	R50	5000# @ 24" LOAD CNTR ROUGH TERRAIN	68 HP D	38,286	9.09	2.25	2.93	0.78	2.06	112
	F10CA023	R60	6000# @ 24" LOAD CNTR ROUGH TERRAIN	68 HP D	45,822	10.37	2.71	3.53	0.94	2.06	127
	F10CA024	R80	8000# @ 24" LOAD CNTR ROUGH TERRAIN	68 HP D	47,444	10.72	2.75	3.56	0.97	2.06	138
		HYSTER									
	F10HY001	H30XL	3000# CAPACITY @ 24" LOAD CENTER	46 HP G	20,666	7.39	1.22	1.59	0.42	3.17	58
	F10HY002	H60XL	6000# CAPACITY @ 24" LOAD CENTER	63 HP G	28,019	10.07	1.65	2.16	0.57	4.35	91
	F10HY003	H110XL	11000# CAPACITY @ 24" LOAD CENTER	94 HP G	45,647	15.66	2.70	3.53	0.93	6.49	147
	F10HY004	H155XL	15500# CAPACITY @ 24" LOAD CENTER	94 HP G	57,119	17.64	3.38	4.42	1.17	6.49	190
	F10HY005	H210XL	21000# CAP @ 24" LOAD CENTER, PS	127 HP D	73,159	17.20	4.30	5.62	1.49	3.84	291
	F10HY006	H250XL	25000# CAP @ 24" LOAD CENTER, PS	127 HP D	87,225	19.62	5.14	6.71	1.78	3.84	316
	F10HY007	H300XL	30000# CAP @ 24" LOAD CENTER, PS	127 HP D	88,670	19.86	5.24	6.85	1.81	3.84	367
	F10HY008	H470CS	47000# CAP @ 48" LOAD CENTER, PS	194 HP D	179,205	37.89	10.56	13.79	3.66	5.87	636
G10	**GENERATOR SETS**										
	0.10	PORTABLE									
		HOMELITE									
	G10HO001	HG2500A	2.3 KW	5 HP G	857	0.59	0.07	0.09	0.02	0.35	1
	G10HO002	HG3500	3.0 KW	7 HP G	1,115	0.80	0.08	0.12	0.02	0.48	2
	G10HO003	EH5500HD	5.0 KW	11 HP E	986	0.91	0.07	0.10	0.02	0.72	2
	G10HO004	180R162	5.5 KW	11 HP G	2,192	1.34	0.16	0.23	0.04	0.76	2

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		KOHLER									
	G10KH001	2.25MBM25	2.25 KW	5 HP G	847	0.59	0.07	0.09	0.02	0.35	1
	G10KH002	3.5MM65	3.50 KW	8 HP G	1,001	0.87	0.08	0.11	0.02	0.55	2
	G10KH003	5MM65	5.00 KW	11 HP G	1,298	1.18	0.10	0.14	0.03	0.76	2
		ONAN									
	G10ON001	2.5LK-3M	2.5 KW, 120/240V	5 HP G	2,863	0.98	0.21	0.30	0.06	0.35	2
	G10ON002	4.0CCK-3CP	4.0 KW, 120/240V	10 HP G	3,661	1.54	0.27	0.39	0.07	0.69	4
	G10ON003	5.0CCK-3CP	5.0 KW, 120/240V	10 HP G	4,194	1.66	0.32	0.45	0.09	0.69	4
	G10ON004	10.0CCKB-3CP	10.0 KW, 120/240V	20 HP G	4,852	2.62	0.36	0.52	0.10	1.38	4
0.20	SKID MOUNTED										
		CATERPILLAR									
	G10CA001	3304B-T	100 KW, 240/480V	156 HP D	20,084	9.10	1.26	1.71	0.40	4.72	34
	G10CA002	3306B-T	165 KW, 240/480V	241 HP D	25,044	13.04	1.57	2.13	0.50	7.29	49
	G10CA003	3306B-TA	180 KW, 240/480V	269 HP D	25,460	14.11	1.58	2.16	0.50	8.13	52
	G10CA004	3406B-T	225 KW, 240/480V	332 HP D	28,324	16.92	1.77	2.41	0.56	10.04	64
	G10CA005	3406B-TA	250 KW, 240/480V	368 HP D	30,575	18.61	1.91	2.60	0.61	11.13	68
	G10CA006	3408B-TA	365 KW, 240/480V	530 HP D	50,167	27.83	3.12	4.26	0.99	16.03	88
	G10CA007	3412-T	425 KW, 240/480V	615 HP D	57,163	32.12	3.56	4.86	1.13	18.60	91
	G10CA008	3412-TA	545 KW, 240/480V	784 HP D	76,362	41.53	4.76	6.49	1.51	23.71	102
	G10CA009	3508	650 KW, 240/480V	932 HP D	100,676	51.03	6.27	8.56	1.99	28.18	170
	G10CA010	3512	910 KW, 240/480V	1,299 HP D	131,513	69.65	8.19	11.18	2.60	39.28	225
	G10CA011	3516	1275 KW, 240/480V	1,814 HP D	198,809	99.82	12.38	16.90	3.93	54.86	278
		ONAN									
	G10ON005	6.5NH-3CR	6.5 KW, 120/240V	14 HP G	8,374	2.58	0.53	0.71	0.17	0.97	3
	G10ON006	7.5JB-3CR	7.5 KW, 120/240V	15 HP G	8,920	2.77	0.56	0.76	0.18	1.04	5
	G10ON007	7.5DKD-3CE	7.5 KW, 120/240V	15 HP D	10,326	2.28	0.64	0.88	0.20	0.45	5
	G10ON008	3.0DJA-3CR	3.O KW, 120/240V	6 HP D	8,683	1.68	0.54	0.74	0.17	0.18	4
	G10ON009	6.0DJE-18R	6.0 KW, RECONNECTIBLE	12 HP D	10,304	2.18	0.64	0.88	0.20	0.36	5
	G10ON010	12.0DJC-3CR	12.0 KW, 120/240V	22 HP D	13,808	3.13	0.86	1.17	0.27	0.67	7
	G10ON011	15RDJC	15.0 KW, DUAL PHASE	27 HP D	14,357	3.41	0.89	1.22	0.28	0.82	14

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	G100N012	20DL4-15R	20.0 KW, RECONNECTIBLE	33 HP D	15,596	3.85	0.98	1.33	0.31	1.00	12
	G100N013	30DDL6-15R	30.0 KW, RECONNECTIBLE	50 HP D	16,749	4.65	1.04	1.42	0.33	1.51	16
	G100N014	40DL6T-15R	40.0 KW, RECONNECTIBLE	65 HP D	17,761	5.37	1.11	1.51	0.35	1.97	15
	G100N015	50DL6B-15R	50.0 KW, RECONNECTIBLE	87 HP D	19,865	6.53	1.24	1.69	0.39	2.63	18
	G100N016	60DVB-15R	60.0 KW, RECONNECTIBLE	118 HP D	20,701	7.81	1.29	1.76	0.41	3.57	20
	G100N017	75DVB-15R	75.0 KW, RECONNECTIBLE	118 HP D	23,261	8.24	1.45	1.98	0.46	3.57	20
	G100N018	100DVC-15R	100.0 KW, RECONNECTIBLE	155 HP D	25,639	10.00	1.60	2.18	0.51	4.69	28
	G100N019	125DVD-15R	125.0 KW, RECONNECTIBLE	191 HP D	28,647	11.82	1.79	2.43	0.57	5.78	30
	G100N020	150DVE-15R	150.0 KW, RECONNECTIBLE	227 HP D	32,101	13.71	2.01	2.73	0.64	6.86	33
G15	**GRADERS, MOTOR**										
		CATERPILLAR									
	G15CA001	120-G	ARTICULATED FRAME, POWERSHIFT	125 HP D	127,181	22.29	6.51	7.74	2.64	3.47	272
	G15CA002	130-G	ARTICULATED FRAME, POWERSHIFT	135 HP D	152,205	26.09	7.81	9.30	3.16	3.74	306
	G15CA003	12-G	ARTICULATED FRAME, POWERSHIFT	135 HP D	162,725	27.54	8.34	9.93	3.37	3.74	327
	G15CA004	140-G	ARTICULATED FRAME, POWERSHIFT	150 HP D	166,263	28.64	8.51	10.12	3.45	4.16	332
	G15CA005	14-G	ARTICULATED FRAME, POWERSHIFT	200 HP D	242,528	41.37	12.31	14.56	5.03	5.54	452
	G15CA006	16-G	ARTICULATED FRAME, POWERSHIFT	275 HP D	348,572	59.12	17.66	20.86	7.23	7.62	593
		CHAMPION									
	G15CH001	710A	ARTICULATED FRAME	135 HP D	123,417	22.20	6.28	7.44	2.56	3.74	283
	G15CH002	720A	ARTICULATED FRAME	153 HP D	134,725	24.37	6.87	8.16	2.79	4.24	318
	G15CH003	730A	ARTICULATED FRAME	187 HP D	147,481	27.41	7.52	8.92	3.06	5.18	338
	G15CH004	740A	ARTICULATED FRAME	210 HP D	162,234	30.26	8.28	9.84	3.36	5.82	361
	G15CH005	750A	ARTICULATED FRAME	200 HP D	178,726	32.61	9.00	10.58	3.71	5.54	388
	G15CH006	780A	ARTICULATED FRAME	200 HP D	205,460	36.28	10.39	12.25	4.26	5.54	421
	G15CH007	710	RIGID FRAME	135 HP D	116,413	21.22	5.92	7.02	2.41	3.74	283
	G15CH008	720	RIGID FRAME	153 HP D	123,581	22.84	6.29	7.46	2.56	4.24	318
	G15CH009	730	RIGID FRAME	187 HP D	134,981	25.70	6.87	8.14	2.80	5.18	338
	G15CH010	740	RIGID FRAME	210 HP D	152,913	28.99	7.80	9.26	3.17	5.82	361
	G15CH011	750	RIGID FRAME	200 HP D	169,404	31.32	8.51	9.99	3.51	5.54	388
	G15CH012	780	RIGID FRAME	200 HP D	195,793	34.95	9.88	11.64	4.06	5.54	421

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		FIATALLIS									
	G15FI001	FG75A	ARTICULATED FRAME, POWERSHIFT	135 HP D	126,456	22.57	6.46	7.67	2.62	3.74	317
	G15FI002	FG85A	ARTICULATED FRAME, POWERSHIFT	155 HP D	134,861	24.51	6.88	8.16	2.80	4.30	320
	G15FI003	FG95A	ARTICULATED FRAME, POWERSHIFT	165 HP D	142,788	26.12	7.23	8.53	2.96	4.57	332
	G15FI004	65B	RIGID FRAME, POWERSHIFT	68 HP D	76,399	13.28	3.85	4.54	1.58	1.88	137
	G15FI005	FG75	RIGID FRAME, POWERSHIFT/TC	135 HP D	118,432	21.47	6.05	7.17	2.46	3.74	309
	G15FI006	FG85	RIGID FRAME, POWERSHIFT/TC	155 HP D	125,020	23.16	6.36	7.54	2.59	4.30	313
	G15FI007	FG95	RIGID FRAME, POWERSHIFT/TC	165 HP D	134,023	24.86	6.80	8.03	2.78	4.57	325
		GALION/DRESSER									
	G15GI001	A450E	ARTICULATED FRAME, POWERSHIFT	144 HP D	124,357	22.60	6.35	7.54	2.58	3.99	278
	G15GI002	830	ARTICULATED FRAME, POWERSHIFT	144 HP D	136,709	24.30	7.00	8.31	2.84	3.99	278
	G15GI004	850	ARTICULATED FRAME, POWERSHIFT	166 HP D	147,446	26.64	7.53	8.94	3.06	4.60	301
	G15GI006	870	ARTICULATED FRAME, POWERSHIFT	204 HP D	159,797	29.68	8.17	9.71	3.31	5.65	324
		INTERNATIONAL/DRESSER									
	G15ID002	830	ARTICULATED FRAME, ALL WHEEL DRIVE	144 HP D	137,054	24.41	6.99	8.29	2.84	3.99	287
	G15ID003	850	ARTICULATED FRAME, ALL WHEEL DRIVE	166 HP D	147,783	26.67	7.54	8.96	3.06	4.60	310
	G15ID004	870	ARTICULATED FRAME, ALL WHEEL DRIVE	204 HP D	160,134	29.73	8.19	9.73	3.32	5.65	333
		JOHN DEERE									
	G15JD001	570B	ARTICULATED FRAME, POWER SHIFT	90 HP D	103,063	17.71	5.26	6.23	2.14	2.49	205
	G15JD002	670B	ARTICULATED FRAME, POWER SHIFT	135 HP D	132,966	23.44	6.81	8.10	2.76	3.74	286
	G15JD003	672B	ARTICULATED FRAME, POWER SHIFT	135 HP D	156,792	26.71	8.05	9.59	3.25	3.74	289
	G15JD004	770B	ARTICULATED FRAME, POWER SHIFT	155 HP D	151,713	26.79	7.76	9.22	3.15	4.30	310
	G15JD005	772B	ARTICULATED FRAME, POWER SHIFT	155 HP D	174,292	29.88	8.93	10.63	3.61	4.30	297
		KOMATSU									
	G15KM001	GD 525A-1C	ARTICULATED FRAME	135 HP D	149,887	25.76	7.69	9.15	3.11	3.74	270
	G15KM002	GD 615A-1	ARTICULATED FRAME	140 HP D	163,288	27.91	8.35	9.91	3.39	3.88	310
	G15KM003	GD 625A-1C	ARTICULATED FRAME	155 HP D	176,070	30.20	9.01	10.71	3.65	4.30	336
	G15KM004	GD 725A-1	ARTICULATED FRAME	200 HP D	235,937	40.46	11.97	14.15	4.89	5.54	425
	G15KM005	GD 825A-1	ARTICULATED FRAME	280 HP D	331,241	56.93	16.76	19.78	6.87	7.76	578

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		MITSUBISHI									
	G15MI001	MG100	ARTICULATED FRAME, POWERSHIFT	76 HP D	86,325	14.79	4.41	5.24	1.79	2.11	187
	G15MI002	MG150	ARTICULATED FRAME, POWERSHIFT	91 HP D	97,492	16.86	4.99	5.94	2.02	2.52	213
	G15MI003	MG400	ARTICULATED FRAME, POWERSHIFT	150 HP D	127,054	23.08	6.52	7.77	2.63	4.16	314
	G15MI004	MG500	ARTICULATED FRAME, POWERSHIFT	174 HP D	139,897	25.75	7.18	8.55	2.90	4.82	346
H10 HAMMERS, HYDRAULIC											
		NPK CONSTRUCTION EQUIPMENT									
	H10NP001	H-06X	HAMMER, IMPACT ENERGY 150 FT-LBS W/ H-06X DEMOLITION TOOL (ADD HYDRAULIC EXCAVATOR)		5,371	2.17	0.48	0.72	0.12	0.00	2
	H10NP002	H-08X	HAMMER, IMPACT ENERGY 200 FT-LBS W/ H-08X DEMOLITION TOOL (ADD HYDRAULIC EXCAVATOR)		5,936	2.33	0.53	0.79	0.13	0.00	2
	H10NP003	H-1XA	HAMMER, IMPACT ENERGY 300 FT-LBS W/ H-1AX DEMOLITION TOOL (ADD HYDRAULIC EXCAVATOR)		6,895	2.88	0.61	0.92	0.15	0.00	4
	H10NP004	H-2XA	HAMMER, IMPACT ENERGY 500 FT-LBS W/ H-2AX DEMOLITION TOOL (ADD HYDRAULIC EXCAVATOR)		9,355	3.64	0.83	1.25	0.20	0.00	6
	H10NP005	H-3XA	HAMMER, IMPACT ENERGY 750 FT-LBS W/ H-3AX DEMOLITION TOOL (ADD HYDRAULIC EXCAVATOR)		12,764	4.94	1.13	1.70	0.28	0.00	9
	H10NP006	H-4XE	HAMMER, IMPACT ENERGY 1000 FT-LBS W/ H-4XE DEMOLITION TOOL (ADD HYDRAULIC EXCAVATOR)		17,489	6.40	1.55	2.33	0.38	0.00	12
	H10NP007	H-6XA	HAMMER, IMPACT ENERGY 1250 FT-LBS W/ H-6XA DEMOLITION TOOL (ADD HYDRAULIC EXCAVATOR)		21,743	7.71	1.92	2.90	0.47	0.00	15
	H10NP008	H-7X	HAMMER, IMPACT ENERGY 1500 FT-LBS W/ H-7X DEMOLITION TOOL (ADD HYDRAULIC EXCAVATOR)		25,060	9.00	2.22	3.34	0.55	0.00	18
	H10NP009	H-8XA	HAMMER, IMPACT ENERGY 2000 FT-LBS W/ H-8AX DEMOLITION TOOL (ADD HYDRAULIC EXCAVATOR)		31,221	10.89	2.76	4.16	0.68	0.00	24

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	H10NP010	H-10XB	HAMMER, IMPACT ENERGY 3000 FT-LBS W/ H-10XB DEMOLITION TOOL (ADD HYDRAULIC EXCAVATOR)	37,901	13.21	3.36	5.05	0.83	0.00	35
	H10NP011	H-12X	HAMMER, IMPACT ENERGY 4000 FT-LBS W/ H-12X DEMOLITION TOOL (ADD HYDRAULIC EXCAVATOR)	44,109	15.63	3.90	5.88	0.96	0.00	46
	H10NP012	H-16X	HAMMER, IMPACT ENERGY 5000 FT-LBS W/ H-16X DEMOLITION TOOL (ADD HYDRAULIC EXCAVATOR)	54,093	19.21	4.79	7.21	1.18	0.00	59
	H10NP013	H-20X	HAMMER, IMPACT ENERGY 6000 FT-LBS W/ H-20X DEMOLITION TOOL (ADD HYDRAULIC EXCAVATOR)	80,016	27.73	7.09	10.67	1.75	0.00	69
	H10NP014	H-30X	HAMMER, IMPACT ENERGY 10000FT-LBS W/ H-30X DEMOLITION TOOL (ADD HYDRAULIC EXCAVATOR)	110,459	37.63	9.78	14.73	2.41	0.00	110
H13	HAZARD/TOXIC WASTE EQUIPMENT									
	0.10	COMPACTORS (COMPRESSION FORCE)								
	0.11	0 THRU 50 TONS								
		CONSOLIDATED BAILING MACHINE								
	H13CB001	DOW RAW WI	12.5 TON LOW LEVEL RAD WASTE COMPACTOR 5 HP E 55 GALLON BARREL CAPACITY	16,704	3.45	1.04	1.42	0.33	0.33	25
	H13CB002	DOW RAW WI	20 TON LOW LEVEL RAD WASTE COMPACTOR 10 HP E 55 GALLON BARREL CAPACITY	19,070	4.34	1.19	1.62	0.38	0.65	25
		COMPACTING TECHNOLOGIES								
	H13CO001	8500	42 TON HAZARD WASTE COMPACTOR 2 HP E 55 GALLON BARREL CAPACITY	42,488	8.28	2.65	3.61	0.84	0.13	28

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		PIQUA ENGINEERING									
	H13PI001	LKDC36	30 TON MOBIL DRUM CRUSHER	18 HP G	9,107	3.14	0.55	0.73	0.18	1.24	19
	H13PI002	LRDC36	30 TON MOBIL DRUM CRUSHER	8 HP E	9,435	2.46	0.57	0.76	0.19	0.52	19
	H13PI003	DC3036	30 TON DRUM CRUSHER	8 HP E	9,855	2.52	0.62	0.84	0.20	0.52	30
0.12	OVER 50 TONS										
		CEMEN TECH									
	H13CC001	6-50-400	250 TON COMPACTOR CASK TYPE CONTAINER: 57.5" x 33.5" x 47"	50 HP E	238,224	41.83	12.73	15.88	4.79	3.25	220
	H13CC002	6-90-200	250 TON COMPACTOR CASK TYPE CONTAINER: 72" x 46" x 47"	50 HP E	262,404	45.59	14.02	17.49	5.27	3.25	280
	H13CC003	6-90-300	375 TON COMPACTOR CASK TYPE CONTAINER: 72" x 46" x 47"	50 HP E	309,755	52.98	16.55	20.65	6.22	3.25	320
0.20	FILTER PRESSES										
0.21	STATIONARY										
		AVERY FILTER COMPANY									
	H13AY007	L/S 1200/125	125 CF MEMBRANE FILTER PRESS 1200MM X 1200MM	50 CFM A	125,743	23.08	7.60	10.06	2.57	0.00	216
	H13AY008	K/F 1200/125	125 CF CONVENTIONAL FILTER PRESS 1200MM X 1200MM	50 CFM A	60,544	11.11	3.66	4.84	1.24	0.00	207
	H13AY009	L/S 1200/100	100 CF MEMBRANE FILTER PRESS 1200MM X 1200MM	50 CFM A	106,958	19.64	6.47	8.56	2.19	0.00	199
	H13AY010	K/F 1200/100	100 CF CONVENTIONAL FILTER PRESS 1200MM X 1200MM	50 CFM A	53,222	9.77	3.22	4.26	1.09	0.00	191
	H13AY011	L/S 1200/75	75 CF MEMBRANE FILTER PRESS 1200MM X 1200MM	50 CFM A	101,715	18.67	6.15	8.14	2.08	0.00	194
	H13AY012	K/F 1200/75	75 CF CONVENTIONAL FILTER PRESS 1200MM X 1200MM	50 CFM A	50,367	9.25	3.05	4.03	1.03	0.00	188
	H13AY013	L/S 1200/50	50 CF MEMBRANE FILTER PRESS 1200MM X 1200MM	50 CFM A	78,502	14.40	4.74	6.28	1.60	0.00	173

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	H13AY014	K/F 1200/50	50 CF CONVENTIONAL FILTER PRESS 1200MM X 1200MM	50 CFM A	41,670	7.64	2.52	3.33	0.85	0.00	168
	H13AY015	L/S 1200/25	25 CF MEMBRANE FILTER PRESS 1000MM X 1000MM	50 CFM A	47,049	8.63	2.84	3.76	0.96	0.00	112
	H13AY016	K/F 1200/25	25 CF CONVENTIONAL FILTER PRESS 1000MM X 1000MM	50 CFM A	28,143	5.17	1.71	2.25	0.58	0.00	108
	H13AY017	L/S 1200/150	150 CF MEMBRANE FILTER PRESS 1200MM X 1200MM	50 CFM A	149,506	27.43	9.03	11.96	3.05	0.00	235
	H13AY018	K/F 1200/150	150 CF CONVENTIONAL FILTER PRESS 1200MM X 1200MM	50 CFM A	68,567	12.59	4.15	5.49	1.40	0.00	224
	H13AY019		FILTER PRESS PLATE SHIFTING UNIT 1200MM X 1200MM, MECHANIZED	1 HP E	11,684	2.24	0.71	0.93	0.24	0.07	5
	H13AY020	SLC-500	PLC CONTROL PANEL - PLATE SHIFTING COMPUTER AUTOMATED	HP E	3,913	0.72	0.24	0.31	0.08	0.00	2
		HYDROCAL									
	H13HR001	Model 1.0	S.S. SLUDGE THICK/BELT PRESS COMB., 1 METER	1 HP E	58,196	10.73	3.52	4.66	1.19	0.03	20
	H13HR002	Model 1.5	S.S. SLUDGE THICK/BELT PRESS COMB., 1.5 METER	2 HP E	65,627	12.18	3.97	5.25	1.34	0.10	25
		PERRIN									
	H13PR001	100S-800	25CF STANDARD FILTER PRESS 800MM X 800MM	3 HP E	69,755	13.09	4.22	5.58	1.43	0.20	125
	H13PR003	100S-1200	113CF STANDARD FILTER PRESS 1200MM X 1200MM	5 HP E	129,233	24.19	7.81	10.34	2.64	0.33	460
	H13PR005	2005-1500	181CF FILTER PRESS STANDARD 1500MM X 1500MM	5 HP E	179,770	33.46	10.86	14.38	3.67	0.33	680
	H13PR007	P4-200	370CF MAXI FILTER PRESS 1.5M X 20M	10 HP E	401,473	74.61	24.26	32.12	8.20	0.65	1,100
	H13PR020	FBP 60	23.5"W FILTER BELT PRESS, 3/4 HP	1 HP E	81,443	15.05	4.92	6.52	1.66	0.07	33
	H13PR021	FBP 90	35.5"W FILTER BELT PRESS, 3/4 HP	1 HP E	83,761	15.47	5.06	6.70	1.71	0.07	33
	H13PR022	FBP 120	47.0"W FILTER BELT PRESS, 1.5 HP	2 HP E	104,848	19.43	6.34	8.39	2.14	0.13	57
	H13PR023	FBP 160	63.0"W FILTER BELT PRESS, 1.5 HP	1 HP E	111,576	20.58	6.75	8.93	2.28	0.07	33
	H13PR024	FBP 200	78.75"W FILTER BELT PRESS, 2 HP	2 HP E	126,031	23.32	7.62	10.08	2.58	0.13	91
	H13PR025	FBP 250	98.5"W FILTER BELT PRESS, 3 HP	3 HP E	140,145	26.00	8.47	11.21	2.86	0.20	113
	H13PR026	FBP 300	118"W FILTER BELT PRESS, 3 HP	3 HP E	163,514	30.29	9.88	13.08	3.34	0.20	133

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	H13PR027	PS 250	PUSHER SCREW PRESS, 7.5 HP	8 HP E	88,233	16.94	5.33	7.06	1.80	0.52	65
	H13PR028	PS 400	PUSHER SCREW PRESS, 10 HP	10 HP E	130,563	24.90	7.90	10.45	2.67	0.65	80
	H13PR029	PS 600	PUSHER SCREW PRESS, 15 HP	15 HP E	194,917	37.17	11.78	15.59	3.98	0.98	120
	H13PR030	PS 800	PUSHER SCREW PRESS, 20 HP	20 HP E	275,034	52.35	16.62	22.00	5.62	1.30	160
0.22	MOBILE										
		AVERY FILTER COMPANY									
	H13AY021	L/S 1200/150M	150 CF MEMBRANE FILTER PRESS 1200MM X 1200MM, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM A	160,911	28.81	9.94	13.52	3.18	0.00	255
	H13AY022	K/F 1200/150M	150 CF CONVENTIONAL FILTER PRESS 1200MM X 1200MM, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM A	79,973	14.35	4.90	6.64	1.58	0.00	244
	H13AY023	L/S 1200/125M	125 CF MEMBRANE FILTER PRESS 1200MM X 1200MM, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM A	137,149	24.56	8.46	11.50	2.71	0.00	236
	H13AY024	K/F 1200/125M	125 CF CONVENTIONAL FILTER PRESS 1200MM X 1200MM, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM A	71,950	12.91	4.40	5.95	1.42	0.00	227
	H13AY025	L/S 1200/100M	100 CF MEMBRANE FILTER PRESS 1200MM X 1200MM, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM A	117,436	21.04	7.23	9.82	2.32	0.00	219
	H13AY026	K/F 1200/100M	100 CF CONVENTIONAL FILTER PRESS 1200MM X 1200MM, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM A	63,700	11.44	3.89	5.25	1.26	0.00	211
	H13AY027	L/S 1200/75M	75 CF MEMBRANE FILTER PRESS 1200MM X 1200MM, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM A	111,266	19.94	6.85	9.30	2.20	0.00	214
	H13AY028	K/F 1200/75M	75 CF CONVENTIONAL FILTER PRESS 1200MM X 1200MM, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM A	59,917	10.77	3.66	4.93	1.19	0.00	208
	H13AY029	L/S 1200/50M	50 CF MEMBRANE FILTER PRESS 1200MM X 1200MM, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM A	86,458	15.51	5.31	7.19	1.71	0.00	193

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	H13AY030	K/F 1200/50M	50 CF CONVENTIONAL FILTER PRESS 1200MM X 1200MM, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM A	50,293	9.05	3.06	4.11	1.00	0.00	188
	H13AY031	L/S 1200/25M	25 CF MEMBRANE FILTER PRESS 1200MM X 1200MM, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM A	55,484	9.98	3.38	4.55	1.10	0.00	112
	H13AY032	K/F 1200/25M	25 CF CONVENTIONAL FILTER PRESS 1200MM X 1200MM, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM A	36,587	6.60	2.20	2.95	0.72	0.00	109
		HYDROCAL									
	H13HR003	TRAILER PRESS	80 GPM CAPACITY BELT PRESS TRAILER MOUNTED SYSTEM COMPLETE W/ FLOCULATION TANK, MIXING TANK, PUMPS, FEEDERS, & CONTROL PANEL	1 HP E	112,997	22.32	6.99	9.50	2.24	0.07	72
		PERRIN									
	H13PR002	100S-800M	25CF STANDARD FILTER PRESS 800MM X 800MM, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	3 HP E	77,114	14.12	4.73	6.39	1.53	0.20	145
	H13PR004	100S-1200M	113CF STANDARD FILTER PRESS 1200MM X 1200MM, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	5 HP E	140,574	25.65	8.68	11.79	2.78	0.33	480
	H13PR006	2005-1500M	181CF FILTER PRESS STANDARD 1500MM X 1500MM, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	5 HP E	194,623	35.29	12.04	16.38	3.85	0.33	705
	H13PR008	P4-200	370CF MAXI FILTER PRESS 1.5M X 20M, TRAILER MOUNTED (ADD GEN & 64,000 GVW TRK + PERMIT)	10 HP E	416,588	75.65	25.58	34.68	8.24	0.65	1,140
	H13PR009	FBP 60-M	23.5" FILTER BELT PRESS, MOBILE .75 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	1 HP E	90,066	16.25	5.53	7.49	1.78	0.07	53
	H13PR010	FBP-90-M	35.5" FILTER BELT PRESS, MOBILE .75 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	1 HP E	92,384	16.67	5.68	7.69	1.83	0.07	53
	H13PR011	FBP 120-M	47" FILTER BELT PRESS 1.5 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	2 HP E	114,399	20.68	7.04	9.56	2.26	0.13	77

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	H13PR012	FBP 160-M	63" FILTER BELT PRESS 1.5 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	2 HP E	121,353	21.93	7.48	10.15	2.40	0.13	77
	H13PR013	FBP 200-M	78.75" FILTER BELT PRESS 2 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	2 HP E	136,509	24.64	8.42	11.44	2.70	0.13	111
	H13PR014	FBP 250-M	98.5" FILTER BELT PRESS 3 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	3 HP E	151,551	27.42	9.36	12.72	3.00	0.20	133
	H13PR015	FBP 300-M	118" FILTER BELT PRESS 3 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	3 HP E	174,920	31.59	10.82	14.71	3.46	0.20	153
	H13PR016	PS 250-M	PUSHER SCREW PRESS, MOBILE 7.5 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	8 HP E	96,857	18.12	5.96	8.07	1.92	0.52	85
	H13PR017	PS 400-M	PUSHER SCREW PRESS, MOBILE 10 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	10 HP E	140,114	26.02	8.65	11.75	2.77	0.65	100
	H13PR018	PS 600-M	PUSHER SCREW PRESS, MOBILE 15 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	15 HP E	204,455	37.99	12.66	17.22	4.05	0.98	40
	H13PR019	PS 800-M	PUSHER SCREW PRESS, MOBILE 20 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	20 HP E	286,440	53.10	17.77	24.19	5.67	1.30	180
0.30	CENTRIFUGES										
		BOCK									
	H13BC001	FP 910	CENTRIFUGE, VARIABLE SPEED, PILOT-PLANT FLEXIBILITY, 130 LB DRY WT.	5 HP E	37,281	14.83	4.61	7.46	0.88	0.33	12
	H13BC002	FP 900	CENTRIFUGE, VARIABLE SPEED, MULTI-PRODUCT, 130 LB DRY WT.	5 HP E	18,101	7.44	2.24	3.62	0.43	0.33	12
	H13BC003	GP 130	CENTRIFUGE, FIXED SPEED, TIMER 130 LB DRY WT.	5 HP E	13,896	5.82	1.72	2.78	0.33	0.33	12
	H13BC004	955	CENTRIFUGE, FIXED SPEED, BASKET LIFT SYSTEM, EXPLOSION PROOF,130 LB	5 HP E	17,301	7.13	2.14	3.46	0.41	0.33	12
	H13BC005	FP 805 TX	CENTRIFUGE, FIXED SPEED, TIMER 130 LB DRY WT.	5 HP E	13,010	5.48	1.61	2.60	0.31	0.33	12

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	FUEL	CWT
	H13BC006	605 TX	CENTRIFUGE, FIXED SPEED, TIMER 60 LB DRY WT.	3 HP E	10,769	4.42	1.33	2.15	0.25	0.20	9
	H13BC007	655	CENTRIFUGE, FIXED SPEED, MANUAL CONTROL, EXPLOSION PROOF, 60 LB	3 HP E	13,666	5.54	1.69	2.73	0.32	0.20	9
	H13BC008	755	CENTRIFUGE, FIXED SPEED, MANUAL CONTROL, EXPLOSION PROOF, 100 LB	5 HP E	16,503	6.83	2.04	3.30	0.39	0.33	12
	H13BC009	355	CENTRIFUGE, FIXED SPEED, MANUAL CONTROL, EXPLOSION PROOF, 35 LB	3 HP E	11,113	4.55	1.37	2.22	0.26	0.20	6
	H13BC010	305 TX	CENTRIFUGE, FIXED SPEED, TIMER 35 LB DRY WT.	3 HP E	8,253	3.45	1.02	1.65	0.19	0.20	6
0.40	SHREDDERS										
		MAC CORPORATION									
	H13MN001	52-32HT	MOBILE SHREDDER, TRAILER MOUNTED W/ DIESEL GENERATOR SET, AND BELT-TYPE INFEED & DISCHARGE CONVEYORS	150 HP E	201,864	54.62	12.43	16.86	4.00	9.75	200
	H13MN002	62-40HT	200 HP MOBILE SHREDDER, TRAILER MOUNTED W/ DIESEL GENERATOR SET, HOOK-TYPE INFEED FOR TIRES, & DISCHARGE CONVEYOR	200 HP E	248,097	68.82	15.31	20.79	4.91	13.00	300
	H13MN003	62-40HT	200 HP MOBILE SHREDDER, TRAILER MOUNTED W/ DIESEL GENERATOR SET, CRANE GRAPPLE AND DISCHARGE CONVEYOR SYSTEM	200 HP E	298,686	79.32	18.46	25.09	5.91	13.00	300
	H13MN004	72-46HT	300 HP MOBILE SHREDDER, TRAILER MOUNTED W/ DIESEL GENERATOR SET, CRANE GRAPPLE AND DISCHARGE CONVEYOR SYSTEM	300 HP E	344,965	98.06	21.34	29.02	6.83	19.50	400
		SHREAD-TECH LIMITED									
	H13SH001	ST-20	15HP SHRED. W/28"x14" CUTTING CHMBR 3/8" BLADE, 37"x38" HOPPER OPENING	15 HP E	33,701	7.69	2.10	2.86	0.67	0.98	20
	H13SH002	ST-20L	15HP SHRED. W/14"x36" CUTTING CHMBR 3/8" BLADE, 37"x46" HOPPER OPENING	15 HP E	33,912	7.73	2.11	2.88	0.67	0.98	23

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	H13SH003	ST-50	2x20HP SHRED. W/42"x21" CUT. CHMBR 5/8" BLADE, 40"x55" HOPPER OPENING	40 HP E	65,487	15.93	4.09	5.57	1.30	2.60	45
	H13SH004	ST-50L	2x20HP SHRED. W/52"x21" CUT. CHMBR 5/8" BLADE, 40"x65" HOPPER OPENING	40 HP E	70,441	16.85	4.39	5.99	1.39	2.60	50
	H13SH005	ST-100	2x50HP SHRED. W/63"x32" CUT. CHMBR 1 7/8" BLD, 60"x70" HOPPER OPENING	100 HP E	106,894	29.13	6.67	9.09	2.12	6.50	200
	H13SH006	ST-500	2x175HP SHRED. W/43"x76" CUT. CHMBR 2 3/4" BLD, 66"x96" HOPPER OPENING	350 HP E	347,781	97.00	21.66	29.56	6.88	22.75	420
	H13SH007	ST-500L	2x250HP SHRED. W/43"x96" CUT. CHMBR 2 3/4" BLD, 66"x115" HOPPER OPENING	600 HP E	367,995	123.41	22.92	31.28	7.28	39.00	440
0.50	SOIL TREATMENT PLANT										
0.51	MOBILE										
		PROGRESSIVE DEVELOPMENT INC.									
	H13PO001	ST-300	MOBILE THERMAL REMEDIATION SYSTEM TRLR MTD W/REMIDIATION UNIT,2-10T/HR SHRED./CLASSIFIER, WT SCALE & LP GAS VAPORIZOR	55 HP E	438,751	91.45	27.33	37.29	8.68	3.58	180
0.60	SLUDGE PROCESSING EQUIPMENT										
0.61	SLUDGE DISPENSERS										
		CT ENVIROMENTAL SYSTEMS									
	H13CN001	SPD-10C	SLUDGE PROCESSING DISPENSER W/ 2 CU. YD. SLUDGE BIN, 1200 CU.FT. SILO - TRAILER MOUNTED	20 HP E	51,989	13.08	3.21	4.35	1.03	1.30	77
	H13CN002	SPD-30C	SLUDGE PROCESSING DISPENSER W/ 8 CU. YD. SLUDGE BIN, 2100 CU.FT. SILO - TRAILER MOUNTED	40 HP E	86,905	22.27	5.37	7.29	1.72	2.60	166
	H13CN003	SPD-50C	SLUDGE PROCESSING DISPENSER W/ 8 CU. YD. SLUDGE BIN, 2100 CU.FT. SILO - TRAILER MOUNTED	75 HP E	102,096	26.93	6.31	8.58	2.02	4.88	177

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	0.70	WASTE HANDLING EQUIPMENT									
	0.71	DRUM HANDLING									
		BASCO									
	H13BB001	T55FLX	55 GAL TOP FILL DRUM FILLER	10 HP E	17,277	9.71	2.24	3.67	0.40	0.65	3
	H13BB002	MR3	60 DRUM/HR CAP INTERIOR DRUM CLEANER	15 HP E	33,008	17.75	4.27	7.01	0.76	0.98	25
H20	HOIST										
		BEEBE									
	H20BE001	FA1	AIR TUGGER, 1 TON (ADD COMPRESSOR)	390 CFM A	12,412	2.48	0.81	1.10	0.26	0.00	4
	H20BE002	FA2.5	AIR TUGGER,2.5 TON (ADD COMPRESSOR)	700 CFM A	16,401	3.34	1.07	1.46	0.34	0.00	5
	H20BE003	FA5	AIR TUGGER, 5 TON (ADD COMPRESSOR)	700 CFM A	20,906	4.30	1.36	1.86	0.43	0.00	14
	H20BE004	FA10	AIR TUGGER,10 TON (ADD COMPRESSOR)	800 CFM A	37,094	7.51	2.42	3.30	0.77	0.00	45
		SKAGIT									
	H20SK001	BU-18	DOUBLE DRUM WITH 5/8" CABLE	100 HP D	91,333	21.15	5.95	8.12	1.89	3.02	85
	H20SK002	G-70	DOUBLE DRUM WITH 7/8" CABLE	100 HP D	123,428	27.29	8.04	10.97	2.55	3.02	126
	H20SK003	RB-80	DOUBLE DRUM WITH 1-1/8" CABLE	130 HP D	189,888	41.13	12.37	16.88	3.93	3.93	240
	H20SK004	RB-90W	DOUBLE DRUM WITH 1-3/8" CABLE	150 HP D	211,634	46.03	13.79	18.81	4.38	4.54	300

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
H25 HYDRAULIC EXCAVATORS, CRAWLER MTD											
0.10 DIESEL or GASOLINE											
0.11 0 THRU 1 CY											
		AKERMAN									
	H25AK001	H3B	.50 CY BUCKET	67 HP D	128,350	27.70	8.79	12.03	2.77	1.86	174
	H25AK002	H7C	.90 CY BUCKET	145 HP D	167,721	38.32	11.48	15.72	3.62	4.02	343
		BADGER									
	H25BA001	300	.50 CY BUCKET, HYDRO-SCOPIC	85 HP D	144,236	31.49	9.87	13.52	3.11	2.36	378
	H25BA002	888	1.00 CY BUCKET, HYDRO-SCOPIC	160 HP D	215,299	48.22	14.73	20.18	4.64	4.44	508
		CATERPILLAR									
	H25CA001	205LC	.50 CY BUCKET, LONG CARRIAGE	71 HP D	94,414	21.18	6.47	8.85	2.04	1.97	311
	H25CA002	211LC	.68 CY BUCKET, LONG CARRIAGE	94 HP D	118,146	26.70	8.09	11.08	2.55	2.61	335
	H25CA003	213BLC	.91 CY BUCKET, LONG CARRIAGE	110 HP D	138,846	31.35	9.50	13.02	2.99	3.05	399
	H25CA004	215DLC	1.00 CY BUCKET, LONG CARRIAGE	125 HP D	165,686	37.18	11.34	15.53	3.57	3.47	439
	H25CA009	E70B	.24 CY BUCKET	54 HP D	61,694	14.11	4.22	5.78	1.33	1.50	153
	H25CA010	E110B	.42 CY BUCKET	79 HP D	81,192	18.87	5.56	7.61	1.75	2.19	254
	H25CA011	E120B	.59 CY BUCKET	84 HP D	88,647	20.52	6.07	8.31	1.91	2.33	283
	H25CA012	E200B	1.00 CY BUCKET	118 HP D	151,749	34.18	10.39	14.23	3.27	3.27	414
	H25CA013	EL200B	1.00 CY BUCKET, LONG REACH	118 HP D	158,514	35.51	10.85	14.86	3.42	3.27	493
	H25CA014	E240B	1.25 CY BUCKET	148 HP D	173,838	39.63	11.90	16.30	3.75	4.10	507
	H25CA015	EL240B	1.25 CY BUCKET, LONG REACH	148 HP D	181,129	41.07	12.40	16.98	3.91	4.10	520
	H25CA016	E300B	1.50 CY BUCKET	207 HP D	235,592	53.95	16.13	22.09	5.08	5.74	673
	H25CA017	EL300B	1.50 CY BUCKET, LONG REACH	207 HP D	245,271	55.85	16.79	22.99	5.29	5.74	695
	H25CA018	231D	1.75 CY BUCKET	200 HP D	271,033	60.64	18.55	25.41	5.84	5.54	767
	H25CA019	231DLC	1.75 CY BUCKET, LONG REACH	200 HP D	277,905	61.99	19.02	26.05	5.99	5.54	773

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		CASE									
	H25CS002	888	.75 CY BUCKET	128 HP D	107,343	25.81	7.34	10.06	2.31	3.55	356
		FIATALLIS									
	H25FI004	FH120	.78 CY BUCKET	81 HP D	127,110	27.98	8.70	11.92	2.74	2.25	284
		GRADALL									
	H25GA001	660E	.625 CY BUCKET	162 HP D	177,740	40.90	12.16	16.66	3.83	4.49	406
	H25GA002	880E	.750 CY BUCKET	162 HP D	213,183	47.88	14.60	19.99	4.60	4.49	494
		HITACHI									
	H25HI001	EX100	.28 CY BUCKET	72 HP D	104,963	23.29	7.18	9.84	2.26	2.00	240
	H25HI002	EX100WD	.40 CY BUCKET	108 HP D	137,188	30.95	9.39	12.86	2.96	2.99	240
	H25HI003	EX150	.68 CY BUCKET	91 HP D	123,368	27.60	8.45	11.57	2.66	2.52	320
	H25HI005	EX200LC	.74 CY BUCKET	119 HP D	166,588	37.14	11.40	15.62	3.59	3.30	434
	H25HI016	UE30	.085 CY BUCKET	23 HP D	29,273	6.60	2.00	2.74	0.63	0.64	61
	H25HI017	UE40	.139 CY BUCKET	25 HP D	33,279	7.46	2.28	3.12	0.72	0.69	71
	H25HI018	UE50	.145 CY BUCKET	38 HP D	43,466	9.94	2.98	4.07	0.94	1.05	96
		INSLEY									
	H25IS001	H-600C	.88 CY BUCKET	135 HP D	126,027	29.76	8.63	11.82	2.72	3.74	385
	H25IS002	H-800D	1.00 CY BUCKET	168 HP D	151,252	35.93	10.35	14.18	3.26	4.66	440
		JOHN DEERE									
	H25JD001	15	.050 CY BUCKET	15 HP D	23,903	5.26	1.64	2.24	0.52	0.42	29
	H25JD002	25	.100 CY BUCKET	23 HP D	34,882	7.70	2.39	3.27	0.75	0.64	64
	H25JD003	50	.160 CY BUCKET	39 HP D	50,254	11.31	3.44	4.71	1.08	1.08	93
	H25JD004	70D	.310 CY BUCKET	55 HP D	64,786	14.75	4.44	6.07	1.40	1.52	140
	H25JD005	490D	.500 CY BUCKET	75 HP D	95,656	21.57	6.55	8.97	2.06	2.08	265
	H25JD006	590D	.625 CY BUCKET	95 HP D	119,589	27.01	8.19	11.21	2.58	2.63	332
	H25JD007	690D	.880 CY BUCKET	125 HP D	127,078	29.60	8.70	11.91	2.74	3.47	397
	H25JD008	790D	1.00 CY BUCKET	155 HP D	167,868	38.72	11.49	15.74	3.62	4.30	501

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	ADJUSTABLE ELEMENTS OWNERSHIP FUEL	CWT
		KOMATSU									
	H25KM001	PC 120-5	.63 CY BUCKET	84 HP D	98,280	22.42	6.73	9.21	2.12	2.33	265
	H25KM002	PC 150 LC-5	.81 CY BUCKET, LONG CARRIAGE	99 HP D	118,935	27.02	8.14	11.15	2.56	2.74	329
	H25KM003	PC 200 LC-5	1.00 CY BUCKET, LONG CARRIAGE	123 HP D	156,968	35.39	10.74	14.72	3.38	3.41	435
		KOEHRING									
	H25KO001	6608	.34 CY BUCKET	51 HP D	74,126	16.45	5.08	6.95	1.60	1.41	168
	H25KO002	6612	.66 CY BUCKET	87 HP D	91,596	21.22	6.28	8.59	1.98	2.41	273
		MDI/YUTANI									
	H25MD001	MD140BLC	.50 CY BUCKET	84 HP D	97,675	22.31	6.69	9.16	2.11	2.33	273
	H25MD002	MD200BLC	1.00 CY BUCKET	123 HP D	147,812	33.60	10.12	13.86	3.19	3.41	434
0.12	OVER 1 CY THRU 2-1/2 CY										
		AKERMAN									
	H25AK003	H10BLC	1.40 CY BUCKET	166 HP D	198,917	40.87	12.02	15.91	4.06	4.60	502
	H25AK005	H16D	1.50 CY BUCKET	262 HP D	362,999	73.09	21.94	29.04	7.42	7.26	926
		BADGER									
	H25BA003	311 HOPTO	1.88 CY BUCKET	235 HP D	249,442	52.25	15.08	19.96	5.10	6.51	745
	H25BA004	900B	2.50 CY BUCKET	308 HP D	299,723	63.73	18.11	23.98	6.12	8.54	1,015
		CATERPILLAR									
	H25CA005	219D	1.13 CY BUCKET, LONG CARRIAGE	140 HP D	188,554	38.10	11.39	15.08	3.85	3.88	494
	H25CA006	225D	1.25 CY BUCKET	165 HP D	207,976	42.42	12.57	16.64	4.25	4.57	567
	H25CA007	235C	2.00 CY BUCKET	250 HP D	380,968	75.79	23.02	30.48	7.78	6.93	931
		FIATALLIS									
	H25FI005	FH200	1.06 CY BUCKET	119 HP D	150,714	30.73	9.11	12.06	3.08	3.30	437
	H25FI006	FH220	1.34 CY BUCKET	151 HP D	187,929	38.40	11.36	15.03	3.84	4.19	546
	H25FI007	FH400	1.66 CY BUCKET	280 HP D	348,571	71.24	21.07	27.89	7.12	7.76	1,001

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		HITACHI									
	H25HI009	EX270	1.34 CY BUCKET	161 HP D	227,470	45.69	13.75	18.20	4.65	4.46	573
	H25HI010	EX270LC	1.34 CY BUCKET, LONG CARRIAGE	161 HP D	238,122	47.55	14.40	19.05	4.87	4.46	622
	H25HI011	EX400	2.40 CY BUCKET	275 HP D	340,841	69.69	20.60	27.27	6.96	7.62	908
	H25HI012	EX400LC	2.40 CY BUCKET, LONG CARRIAGE	275 HP D	358,589	72.80	21.68	28.69	7.33	7.62	970
		INSLEY									
	H25IS003	H-1000D	1.00 CY BUCKET	189 HP D	178,453	38.16	10.79	14.28	3.65	5.24	549
	H25IS004	H-1500D	1.50 CY BUCKET	253 HP D	277,979	57.90	16.80	22.24	5.68	7.01	783
	H25IS005	H-2500D	1.75 CY BUCKET	315 HP D	333,868	69.96	20.18	26.71	6.82	8.73	969
		JOHN DEERE									
	H25JD010	892D-LC	1.75 CY BUCKET, LONG CARRIAGE	195 HP D	223,843	46.31	13.53	17.91	4.57	5.41	673
		KOMATSU									
	H25KM004	PC 220 LC-5	1.31 CY BUCKET, LONG CARRIAGE	157 HP D	183,022	37.77	11.06	14.64	3.74	4.35	510
	H25KM005	PC 300 LC-5	1.63 CY BUCKET; LONG CARRAIGE	207 HP D	248,143	51.00	15.00	19.85	5.07	5.74	688
		KOEHRING									
	H25KO003	6620	1.05 CY BUCKET	126 HP D	142,764	29.59	8.63	11.42	2.92	3.49	426
	H25KO004	6625	1.25 CY BUCKET	160 HP D	179,424	37.26	10.85	14.35	3.67	4.44	580
	H25KO005	6633	1.87 CY BUCKET	227 HP D	223,539	47.43	13.51	17.88	4.57	6.29	718
	H25KO006	6644	2.00 CY BUCKET	289 HP D	326,845	67.77	19.76	26.15	6.68	8.01	993
		MDI/YUTANI									
	H25MD003	MD240BLC	1.38 CY BUCKET, LONG CARRIAGE	153 HP D	181,635	37.38	10.98	14.53	3.71	4.24	522
	H25MD004	MD300LC	1.875 CY BUCKET, LONG CARRIAGE	184 HP D	218,381	44.95	13.20	17.47	4.46	5.10	690
	H25MD005	MD320BLC	1.750 CY BUCKET, LONG CARRIAGE	227 HP D	227,714	48.16	13.76	18.22	4.65	6.29	703
	H25MD006	MD400LC	2.375 CY BUCKET, LONG CARRIAGE	247 HP D	316,304	64.37	19.11	25.30	6.46	6.85	978
	H25MD007	MD450BLC	2.38 CY BUCKET, LONG CARRIAGE	286 HP D	325,141	67.36	19.65	26.01	6.64	7.93	994

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	0.13	OVER 2-1/2 CY THRU 5 CY									
		BADGER									
	H25BA005	1900	4.50 CY BUCKET	616 HP D	626,839	130.26	34.38	44.40	12.18	17.08	2,050
		CATERPILLAR									
	H25CA008	245B II	3.125 CY BUCKET	360 HP D	584,419	114.36	32.05	41.40	11.35	9.98	1,425
		HITACHI									
	H25HI019	EX700	3.79 CY BUCKET	414 HP D	572,779	114.11	31.42	40.57	11.13	11.48	1,460
		INSLEY									
	H25IS006	H-3500D	3.75 CY BUCKET	467 HP D	467,800	97.46	25.66	33.14	9.09	12.95	1,380
		KOMATSU									
	H25KM006	PC 650-3	3.70 CY BUCKET	404 HP D	564,679	112.35	30.97	40.00	10.97	11.20	1,438
	H25KM007	PC 1000 LC-1	4.80 CY BUCKET	542 HP D	819,948	161.67	44.97	58.08	15.93	15.02	2,277
		KOEHRING									
	H25KO007	1066	3.00 CY BUCKET	420 HP D	614,786	121.67	33.72	43.55	11.94	11.64	1,680
	0.14	OVER 5 CY									
		HITACHI									
	H25HI015	EX1000	5.40 CY BUCKET	512 HP D	733,030	134.05	36.32	44.51	14.06	14.19	2,020
	H25HI020	EX1800	12.4 CY BUCKET	860 HP D	1,285,417	233.79	63.67	78.04	24.65	23.84	3,860
	H25HI021	EX3500	22.2 CY BUCKET	1,634 HP D	2,917,479	519.98	144.52	177.13	55.95	45.29	7,230

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	FUEL	CWT
		KOMATSU								
	H25KM008	PC 1000 SE-1	7.50 CY BUCKET 542 HP D	799,589	145.67	39.62	48.55	15.34	15.02	1,841
0.20	ATTACHMENTS (add Hydraulic Excavators)									
0.21	MOBILE SHEARS									
		LABOUNTY								
	H25LU001	MSD 7	MOBILE SHEAR - 10" OPENING, 4' 7" REACH, ADD .10 CY EXCAVATOR	19,123	6.17	1.77	2.71	0.41	0.00	9
	H25LU002	MSD 7R	ROTATING MOBILE SHEAR - 10" OPENING, 5' 0" REACH, ADD .20 CY EXCAVATOR	22,085	7.16	2.04	3.13	0.47	0.00	11
	H25LU003	MSD 15	MOBILE SHEAR - 18" OPENING, 6' 6" REACH, ADD .35 CY EXCAVATOR	33,944	11.03	3.13	4.81	0.72	0.00	30
	H25LU004	MSD 15R	ROTATING MOBILE SHEAR - 18" OPENING, 8' 6" REACH, ADD .40 CY EXCAVATOR	39,233	12.72	3.61	5.56	0.83	0.00	35
	H25LU005	MSD 30	MOBILE SHEAR - 22" OPENING, 7' 0" REACH, ADD .50 CY EXCAVATOR	49,527	16.03	4.56	7.02	1.05	0.00	44
	H25LU006	MSD 30R	ROTATING MOBILE SHEAR - 22" OPENING, 10' 4" REACH, ADD .88 CY EXCAVATOR	65,855	21.35	6.07	9.33	1.40	0.00	59
	H25LU007	MSD 40	MOBILE SHEAR - 27" OPENING, 8' 6" REACH, ADD 1.0 CY EXCAVATOR	54,176	17.72	4.99	7.67	1.15	0.00	69
	H25LU008	MSD 40R	ROTATING MOBILE SHEAR - 27" OPENING, 12' 6" REACH, ADD 1.25 CY EXCAVATOR	71,268	23.09	6.57	10.10	1.52	0.00	87
	H25LU009	MSD 50	MOBILE SHEAR - 32" OPENING, 9' 0" REACH, ADD 1.25 CY EXCAVATOR	78,168	25.26	7.20	11.07	1.66	0.00	97
	H25LU010	MSD 50R	ROTATING MOBILE SHEAR - 32" OPENING, 13' 4" REACH, ADD 1.6 CY EXCAVATOR	94,111	30.36	8.67	13.33	2.00	0.00	120
	H25LU011	MSD 70	MOBILE SHEAR - 35" OPENING, 10' 4" REACH, ADD 1.75 CY EXCAVATOR	93,626	30.22	8.62	13.26	1.99	0.00	127

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	H25LU012	MSD 70R	ROTATING MOBILE SHEAR - 35" OPENING, 14' 4" REACH, ADD 2.0 CY EXCAVATOR	114,986	37.16	10.59	16.29	2.44	0.00	149
	H25LU013	MSD 100	MOBILE SHEAR - 38" OPENING, 11' 6" REACH, ADD 2.3 CY EXCAVATOR	119,124	38.51	10.97	16.88	2.53	0.00	149
	H25LU014	MSD 100R	ROTATING MOBILE SHEAR - 38" OPENING, 16' 0" REACH, ADD 2.5 CY EXCAVATOR	139,602	45.08	12.86	19.78	2.97	0.00	175
	H25LU015	MSD 140	MOBILE SHEAR - 44" OPENING, 13' 10' REACH, ADD 3.0 CY EXCAVATOR	136,984	44.29	12.62	19.41	2.91	0.00	190
	H25LU016	MSD 140R	ROTATING MOBILE SHEAR - 44" OPENING, 18' 6" REACH, ADD 3.6 CY EXCAVATOR	165,044	53.35	15.20	23.38	3.51	0.00	230
	H25LU017	MPS 16	MOBILE PLATE SHEAR - 13" OPENING, ADD 1.25 CY EXCAVATOR	53,903	17.46	4.97	7.64	1.15	0.00	40
	H25LU018	MPS 16R	ROTATING MOBILE PLATE SHEAR - 13" OPENING, ADD 1.75 CY EXCAVATOR	65,350	21.10	6.02	9.26	1.39	0.00	64
	H25LU019	MPS 20	MOBILE PLATE SHEAR - 14" OPENING, ADD 1.75 CY EXCAVATOR	77,821	25.10	7.16	11.02	1.65	0.00	60
	H25LU020	MPS 20R	ROTATING MOBILE PLATE SHEAR - 14" OPENING, ADD 2.30 CY EXCAVATOR	89,266	28.91	8.23	12.65	1.90	0.00	84
	H25LU021	MWS 154	MOBILE WOOD SHEAR - 40" OPENING, 13' 0" REACH, ADD 1.25 CY EXCAVATOR	61,029	19.70	5.63	8.65	1.30	0.00	74
0.22	MATERIAL HANDLING									
		LABOUNTY								
	H25LU022	TR 80	.75 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM, ADD .35 CY EXCAVATOR	5,046	1.60	0.45	0.67	0.11	0.00	8
	H25LU023	TR 100	1.25 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM, ADD .50 CY EXCAVATOR	9,597	2.92	0.85	1.28	0.21	0.00	18
	H25LU024	TR 110	3.5 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM, ADD .88 CY EXCAVATOR	14,000	4.20	1.25	1.87	0.31	0.00	27
	H25LU025	TR 120	3.5 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM, ADD 1.25 CY EXCAVATOR	17,293	5.22	1.54	2.31	0.38	0.00	35
	H25LU026	TR 140	5.5 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM, ADD 1.6 CY EXCAVATOR	19,715	5.98	1.75	2.63	0.43	0.00	49

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	FUEL	CWT
	H25LU027	TR 160	6.5 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM, ADD 2.3 CY EXCAVATOR	22,109	6.75	1.96	2.95	0.48	0.00	60
	H25LU028	TR 170	9 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM, ADD 3.0 CY EXCAVATOR	28,400	8.60	2.52	3.79	0.62	0.00	80
	H25LU029	80 RB	ROTATING BARREL HANDLER ADD EXCAVATOR	17,634	5.30	1.56	2.35	0.38	0.00	17
	H25LU030	80 RBC	ROTATING BARREL HANDLER/CRUSHER - ADD 1.0 CY EXCAVATOR	29,353	8.76	2.60	3.91	0.64	0.00	21
	H25LU031	MD 30	MATERIAL DENSIFIER - ADD 1.25 CY EXCAVATOR	55,287	16.58	4.90	7.37	1.21	0.00	60
	H25LU032	MD50	MATERIAL DENSIFIER - ADD 1.75 CY EXCAVATOR	66,790	19.99	5.92	8.91	1.46	0.00	90
	H25LU033	80R	.75 CY ROTATING GRAPPLE - ADD .88 CY EXCAVATOR	26,971	8.11	2.39	3.60	0.59	0.00	22
	H25LU034	100R	1 CY ROTATING GRAPPLE - ADD 1.25 CY EXCAVATOR	37,809	11.31	3.34	5.04	0.82	0.00	40
	H25LU035	110R	1.25 CY ROTATING GRAPPLE - ADD 1.75 CY EXCAVATOR	40,333	12.12	3.57	5.38	0.88	0.00	64
	H25LU036	120R	2 CY ROTATING GRAPPLE - ADD 2.3 CY EXCAVATOR	42,821	12.91	3.79	5.71	0.93	0.00	84
	H25LU037	CB2411	CATCH BASIN - 3 CY, 11000 LB CAPACITY FOR DEBRI COLLECTION	36,071	10.04	3.20	4.81	0.79	0.00	90
0.23	CONCRETE PULVERIZERS									
		DEMOLITION TECHNOLOGIES								
	H25DE003	DP100	MOUNTED DRILL PACKAGE - ADD BACKHOE	23,297	9.38	2.15	3.30	0.50	0.00	8
	H25DE004	DP300	MTD DRILL PACKAGE - ADD HYD EXCAV	35,751	13.82	3.29	5.06	0.76	0.00	22
		LABOUNTY								
	H25LU038	UP 4	UNIVERSAL PROCESSOR W/ CONCRETE CRACKING JAWS - 13.5" OPENING, 3' 9" REACH, ADD .2 CY EXCAVATOR	15,028	5.16	1.39	2.13	0.32	0.00	4
	H25LU039	UP 6	UNIVERSAL PROCESSOR W/ CONCRETE CRACKING JAWS - 23.5" OPENING, 5' 10" REACH, ADD .4 CY EXCAVATOR	23,933	8.08	2.21	3.39	0.51	0.00	12

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	ADJUSTABLE ELEMENTS OWNERSHIP FUEL	CWT
	H25LU040	UP 50	UNIVERSAL PROCESSOR W/ CONCRETE PULVERIZER JAWS - 36" OPENING, 10' 6" REACH, ADD 1.25 CY EXCAVATOR	54,483	18.46	5.02	7.72	1.16	0.00	82
	H25LU041	UP 70	UNIVERSAL PROCESSOR W/ CONCRETE PULVERIZER JAWS - 48.25" OPENING, 11' 6" REACH, ADD 1.6 CY EXCAVATOR	72,282	24.50	6.66	10.24	1.54	0.00	97
	H25LU042	UP 90	UNIVERSAL PROCESSOR W/ CONCRETE PULVERIZER JAWS - 62" OPENING, 13' 0" REACH, ADD 2.3 CY EXCAVATOR	100,062	33.90	9.22	14.18	2.13	0.00	166
	H25LU043	CP 10	CONCRETE PULVERIZER - 8" THICK CONCRETE, ADD .30 CY EXCAVATOR	15,305	5.20	1.42	2.17	0.33	0.00	4
	H25LU044	CP 20	CONCRETE PULVERIZER - 12.5" THICK CONCRETE, ADD .50 CY EXCAVATOR	18,837	6.37	1.74	2.67	0.40	0.00	8
	H25LU045	CP 30	CONCRETE PULVERIZER - 14.5" THICK CONCRETE, ADD .75 CY EXCAVATOR	21,386	7.27	1.97	3.03	0.45	0.00	15
	H25LU046	CP 40	CONCRETE PULVERIZER - 24" THICK CONCRETE, ADD 1.0 CY EXCAVATOR	23,945	8.08	2.21	3.39	0.51	0.00	23
	H25LU047	CP 60	CONCRETE PULVERIZER - 30" THICK CONCRETE, ADD 1.75 CY EXCAVATOR	28,203	9.54	2.60	4.00	0.60	0.00	26
	H25LU048	CP 80	CONCRETE PULVERIZER - 36" THICK CONCRETE, ADD 2.0 CY EXCAVATOR	30,515	10.36	2.81	4.32	0.65	0.00	37
	H25LU049	CP 100	CONCRETE PULVERIZER - 42" THICK CONCRETE, ADD 3.0 CY EXCAVATOR	37,618	12.72	3.47	5.33	0.80	0.00	49
	H25LU050	CP 120	CONCRETE PULVERIZER - 48" THICK CONCRETE, ADD 3.5 CY EXCAVATOR	41,293	13.98	3.81	5.85	0.88	0.00	78
	H25LU051	CP 140	CONCRETE PULVERIZER - ADD 4.0 CY EXCAVATOR	50,759	17.08	4.68	7.19	1.08	0.00	87
	H25LU052	CP 160	CONCRETE PULVERIZER - ADD 5.0 CY EXCAVATOR	69,228	23.03	6.38	9.81	1.47	0.00	95
H30 HYDRAULIC EXCAVATORS, WHEEL MTD										
0.01	0 THRU 1 CY									
		AKERMAN								
	H30AK001	H7MC	.95 CY BUCKET, 4X4 145 HP D	170,050	36.27	11.99	16.86	3.56	4.38	322

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	FUEL	CWT
		BADGER									
	H30BA001	300	.5 CY BUCKET, HYDRO-SCOPIC, 6X4	85 HP D	155,555	33.15	10.71	14.90	3.26	3.84	326
			(WITH CARRIER ENGINE)	200 HP D							
	H30BA002	888	1.0 CY BUCKET, HYDRO-SCOPIC, 6X4	162 HP D	253,098	53.74	17.84	25.08	5.30	6.36	518
			(WITH CARRIER ENGINE)	230 HP D							
		CATERPILLAR									
	H30CA001	206	.59 CY BUCKET	71 HP D	101,416	21.08	7.02	9.79	2.12	2.15	283
	H30CA002	212	.77 CY BUCKET	94 HP D	128,004	26.75	8.91	12.45	2.68	2.84	330
	H30CA003	214B	.91 CY BUCKET	110 HP D	147,360	30.87	10.29	14.39	3.09	3.33	366
		GRADALL									
	H30GA002	G660E	.500 CY BUCKET, 6X4,TELESCOPIC BOOM	177 HP D	200,049	44.76	14.01	19.63	4.19	6.69	433
			(WITH CARRIER ENGINE)	210 HP D							
	H30GA003	G3WD	.625 CY BUCKET, 4X2,TELESCOPIC BOOM	143 HP D	128,634	28.80	9.01	12.62	2.70	4.32	340
	H30GA004	G3WD	.625 CY BUCKET, 4X4,TELESCOPIC BOOM	143 HP D	142,313	31.25	9.95	13.93	2.98	4.32	347
	H30GA005	G880E	.750 CY BUCKET, 6X4,TELESCOPIC BOOM	162 HP D	234,404	50.43	16.44	23.06	4.91	6.33	534
			(WITH CARRIER ENGINE)	225 HP D							
0.02	OVER 1 CY										
		AKERMAN									
	H30AK002	H10MB	1.40 CY BUCKET, 4X4	166 HP D	203,691	39.44	12.61	17.16	4.03	5.02	414
		CATERPILLAR									
	H30CA004	224B	1.28 CY BUCKET	135 HP D	188,393	35.80	11.60	15.74	3.73	4.08	472

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
H35 HYDRAULIC SHOVELS, CRAWLER MOUNTED											
0.10	DIESEL										
0.11	0 CY THRU 5 CY										
		HITACHI									
	H35HI004	EX700	4.71 CY BUCKET, SHOVEL	414 HP D	583,031	98.91	28.88	35.40	11.18	11.48	1,434
0.12	OVER 5 CY										
		HITACHI									
	H35HI001	EX1000	7.20 CY BUCKET, SHOVEL	512 HP D	776,441	127.18	35.35	41.25	14.72	14.19	2,060
	H35HI002	EX1800	13.50 CY BUCKET, SHOVEL	920 HP D	1,285,589	213.01	58.53	68.30	24.38	25.50	3,900
	H35HI003	EX3500	23.50 CY BUCKET, SHOVEL	1,660 HP D	2,917,694	469.10	132.83	155.00	55.33	46.02	7,280
L10 LAND CLEARING EQUIPMENT											
		BALDERSON									
	L10BS001	BHTS 30	HYDR. TREE SHEAR FOR 953 LOADER		21,496	5.24	1.53	2.15	0.45	0.00	41
	L10BS002	BMA8	MULTIAPPLICATION RAKE FOR D8L TRCTR		19,230	4.62	1.36	1.92	0.40	0.00	70
	L10BS003	BTXC973	CLAMP RAKE FOR 973 LOADER		26,184	6.20	1.86	2.62	0.55	0.00	59
	L10BS004	BBL7	BLADE RAKE FOR D7H TRACTOR		8,552	2.18	0.61	0.86	0.18	0.00	24
	L10BS005	BRK8	ROCK & ROOT RAKE FOR D8L TRACTOR		19,090	4.60	1.36	1.91	0.40	0.00	72
	L10BS006	VT8	V-TREE CUTTER FOR D8L TRACTOR		28,899	6.91	2.06	2.89	0.61	0.00	127
	L10BS007		LOGGING FORK FOR 988 LOADER		35,638	8.52	2.53	3.56	0.75	0.00	90
		BUSH HOG									
	L10BU001	268RP	ROTARY CUTTER, 8'WIDTH, 2.5"-12" HT CENTER MOUNT (ADD 40HP TRACTOR)		4,309	1.77	0.31	0.43	0.09	0.00	13

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	L10BU002	1310SW	ROTARY CUTTER, 10.5'WIDTH, 2"-12"HT STRAIGHT BLADE (ADD 50HP TRACTOR)		8,310	3.37	0.59	0.83	0.17	0.00	30
	L10BU003	1315SW	ROTARY CUTTER, 15' WIDTH, 2"-12"HT STRAIGHT BLADE (ADD 60HP TRACTOR)		11,358	4.56	0.81	1.14	0.24	0.00	32
	L10BU004	1220SW	ROTARY CUTTER, 20' WIDTH, 2"-12"HT STRAIGHT BLADE (ADD 70HP TRACTOR)		14,081	5.68	1.01	1.41	0.30	0.00	48
	L10BU005	SM-60	ROTARY CUTTER, SIDE MOUNT, 5' WIDTH MIN TRACTOR LIFT CAP - 3200# @ 24"		5,894	2.42	0.42	0.59	0.12	0.00	16
	L10BU006	FM60-01	FLAIL MOWER, 57" WIDE, 4" HT, 1"CAP (ADD 15-40 HP TRACTOR)		1,976	1.15	0.14	0.20	0.04	0.00	7
	L10BU007	FM72-01	FLAIL MOWER, 68" WIDE, 4" HT, 1"CAP (ADD 15-40 HP TRACTOR)		2,101	1.27	0.15	0.21	0.04	0.00	7
	L10BU008	FH60-01	FLAIL MOWER, 57" WIDE,0-3"HT, 2"CAP (ADD 30-60 HP TRACTOR)		2,268	1.32	0.17	0.23	0.05	0.00	8
	L10BU009	FH72-01	FLAIL MOWER, 68" WIDE,0-3"HT, 2"CAP (ADD 30-60 HP TRACTOR)		2,393	1.44	0.17	0.24	0.05	0.00	7
		CHIPMORE									
	L10CI001	B18SP-R	STUMP CUTTER, 15" REAR WHEEL CUTTER	18 HP G	5,046	2.59	0.36	0.50	0.11	1.15	4
		VERMEER									
	L10VE001	206	STUMPER, 16" DIA WHEEL, TRAILER MTD	19 HP G	6,413	2.97	0.45	0.63	0.13	1.21	8
	L10VE002	630B	STUMPER, 18" DIA WHEEL, TRAILER MTD	34 HP G	6,796	4.26	0.48	0.67	0.14	2.17	16
	L10VE003	665A	STUMPER, 28" DIA WHEEL, TRAILER MTD	62 HP G	18,415	9.13	1.30	1.82	0.39	3.96	34
	L10VE004	2465	STUMPER, 36" DIA WHEEL, TRAILER MTD	62 HP G	29,086	11.53	2.06	2.89	0.61	3.96	49
	L10VE005	TS-30	TREE SPADE, 30" DIAMETER, 24" DEPTH TRAILER MOUNTED	13 HP G	12,968	3.97	0.91	1.28	0.27	0.83	38
	L10VE006	TS-44A	TREE SPADE, 44" DIAMETER, 40" DEPTH TRAILER MOUNTED	13 HP G	17,081	4.89	1.21	1.69	0.36	0.83	66
	L10VE007	TS-50M	TREE SPADE, 50" DIAMETER, 48" DEPTH (ADD 13,800 GVW TRUCK)		16,849	5.28	1.19	1.68	0.35	0.00	81
	L10VE008	TS-84-T	TREE SPADE, 84" DIAMETER, 54" DEPTH (ADD 34,000 GVW TRUCK)		57,550	15.95	4.09	5.75	1.21	0.00	271

TABLE 2-I. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
L15	**LAWN MOWERS**										
		EXCEL									
	L15EX001	HUSTLER 275	60" 3-WAY DECK	23 HP G	12,666	7.39	1.62	2.65	0.29	1.97	21
	L15EX002	HUSTLER 320	72" STANDARD ROTARY MOWER DECK	22 HP D	14,197	6.61	1.82	2.97	0.33	0.83	24
	L15EX003	HUSTLER-320WING	72" STD DK W/RIGHT WING - 47" CUT	23 HP D	16,762	7.69	2.15	3.52	0.39	0.87	25
	L15EX004	HUSTLER 340	72" STANDARD ROTARY MOWER DECK	28 HP D	15,806	7.53	2.03	3.31	0.37	1.06	24
	L15EX005	HUSTLER 400	72" STANDARD ROTARY MOWER DECK	34 HP G	14,574	9.29	1.87	3.05	0.34	2.91	24
	L15EX006	HUSTLER 440	72" STANDARD ROTARY MOWER DECK	43 HP G	15,376	10.53	1.97	3.22	0.36	3.68	24
	L15EX007	HUSTLER 440WING	72" STD DECK W/L&R WINGS - 12'2"CUT	43 HP G	18,095	11.61	2.32	3.80	0.42	3.68	25
	L15EX008	HUSTLER 640	72" HEAVY DUTY DUAL-TRIM DECK	29 HP D	27,526	12.21	3.52	5.75	0.64	1.10	37
	L15EX009	HI-LIFT BAC-VAC	72" LAWN VACUUM,STD DECK,15 BU CAP. (ADD MOWER MODEL 400)	43 HP G	17,752	11.48	2.28	3.73	0.41	3.68	25
		TORO									
	L15TO001	22525	21" REAR BAGGER - PUSH MOWER	5 HP G	724	0.81	0.10	0.15	0.02	0.43	1
	L15TO002	56150	32" RIDING MOWER	8 HP G	1,758	1.49	0.21	0.34	0.04	0.68	4
	L15TO003	30754	44" DECK GROUNDMASTER-117 TRACTOR	17 HP G	6,260	4.20	0.79	1.29	0.14	1.45	9
	L15TO004	30754	52" DECK W/GROUNDMASTER-117 TRACTOR	17 HP G	6,570	4.33	0.83	1.36	0.15	1.45	9
	L15TO005	30794	62" DECK W/GROUNDMASTER-220D TRACTR	21 HP D	13,718	6.39	1.76	2.87	0.32	0.79	13
	L15TO006	30790	62" DECK W/GROUNDMASTER-220 TRACTOR	20 HP G	11,292	6.54	1.44	2.36	0.26	1.71	11
	L15TO007	30790	72" DECK W/GROUNDMASTER-220 TRACTOR	20 HP G	11,921	6.79	1.53	2.49	0.28	1.71	13
	L15TO008	30794	72" DECK W/GROUNDMASTER-220D TRACTR	21 HP D	14,356	6.64	1.84	3.01	0.33	0.79	16
L20	**LIGHTING SETS, TRAILER MOUNTED**										
	0.10 METALLIC VAPOR										
		ALLMAND BROS.									
	L20AB001	MAXI-LITE IIIH	6.0KW 4/1000W, W/GEN SET HYDRAULIC MAST, TRLR MTD	15 HP D	16,666	5.49	1.12	1.52	0.36	0.59	28
	L20AB002	MAXI-LITE IIICE	6.0KW 4/1000W, W/GEN SET CABLE ELECTRIC MAST, TRLR MTD	15 HP D	15,364	5.11	1.03	1.40	0.33	0.59	28

TABLE 2-I. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	L20AB003	SUNDOWNER 1800	2.5 KW 2/1000W, W/GEN SET, TRLR MTD	5 HP D	9,895	3.07	0.66	0.89	0.21	0.20	16
	L20AB004	NITE-LITE 2	2.5 KW 2/1000W, W/GEN SET, TRLR MTD	5 HP D	7,470	2.37	0.49	0.66	0.16	0.20	13
	L20AB005	NITE-LITE 4	5.0 KW 2/1000W, W/GEN SET, TRLR MTD	10 HP D	10,754	3.54	0.72	0.97	0.23	0.39	21
	L20AB006	1800 SERIES	FLASHING ARROW, TRLR MTD, 25 LIGHT	5 HP G	4,606	1.84	0.30	0.39	0.10	0.45	12
	L20AB007	1800 SERIES	FLASHING ARROW, TRLR MTD, 25 LIGHT	5 HP D	5,625	1.84	0.37	0.49	0.12	0.20	12
	L20AB008	2000 SERIES	FLASHING ARROW, TRLR MTD, 25 LIGHT	5 HP G	4,101	1.69	0.26	0.34	0.09	0.45	13
	L20AB009	2000 SERIES	FLASHING ARROW, TRLR MTD, 25 LIGHT	5 HP D	5,134	1.69	0.33	0.44	0.11	0.20	14
	L20AB010	2200 SERIES	FLASHING ARROW, TRLR MTD, 25 LIGHT SOLAR ASSIST	5 HP E	6,389	2.45	0.42	0.56	0.14	0.43	10
	L20AB011	2200 SERIES	FLASHING ARROW, TRLR MTD, 25 LIGHT RECHARGABLE	5 HP E	4,419	1.88	0.29	0.37	0.10	0.43	10
		AMIDA									
	L20AI001	MITI-LITE 500-4	4.0KW, 4/500W, W/GEN TRAILER MTD	4 HP G	4,870	1.84	0.33	0.44	0.11	0.36	6
	L20AI002	SL4060D-4	6.0KW, 4/1000W, W/GEN TRAILER MTD	11 HP D	13,622	4.44	0.92	1.26	0.29	0.43	21
	L20AI003	LT5080D-4	6.0KW, 4/1000W, W/GEN TRAILER MTD MANUAL-CABLE WINCH RAISED MAST	16 HP D	15,630	5.26	1.07	1.45	0.34	0.63	28
	L20AI004	LT7080D-6	8.0KW, 6/1000W, W/GEN TRAILER MTD HYDRAULIC RAISED MAST	16 HP G	20,424	7.63	1.39	1.90	0.44	1.45	33
L25	**LINE STRIPING EQUIPMENT**										
		M-B									
	L25MB001	3-10	WALK BEHIND STRIPER	4 HP G	3,005	1.95	0.20	0.28	0.06	0.36	4
	L25MB002	5-10	WALK BEHIND STRIPER	6 HP G	3,805	2.62	0.26	0.36	0.08	0.54	6
	L25MB003	6-28	INTERMEDIATE LINE STRIPER	10 HP G	10,667	5.06	0.73	1.00	0.23	0.91	15
	L25MB004	VANMARK 360	PAVING STRIPER WITH 11,000# GVW TRK	190 HP G	77,020	41.93	5.23	7.13	1.66	17.22	116
L30	**LOADERS, BELT**										
		KOLMAN									
	L30KL001	101-XHD	24" X 50' - 355 TON/HR	10 HP D	25,889	5.48	1.46	1.85	0.53	0.30	96
	L30KL002	MODEL 45	PLATE FEEDER DOZER TRAP	5 HP D	7,593	1.66	0.47	0.61	0.16	0.15	34

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	L30KL003		BELT FEEDER DOZER TRAP	3 HP D	9,871	2.01	0.60	0.79	0.20	0.09	33
	L30KL004		WING WALLS STATIONARY		1,483	0.29	0.09	0.12	0.03	0.00	9
	L30KL005		TUNNEL EXTENSION WITH BACKBOARDS		7,416	1.42	0.45	0.59	0.15	0.00	55
	L30KL006	SB-70	SINGLE DECK SCREEN, 7' X 42"	3 HP D	5,984	1.26	0.36	0.48	0.12	0.09	18
	L30KL007	DC-70-42	DOUBLE DECK SCREEN, 7' X 42"	5 HP D	8,116	1.76	0.50	0.65	0.17	0.15	25
	L30KL008	TC-70-42	TRIPLE DECK SCREEN, 7' X 42"	5 HP D	11,474	2.40	0.69	0.92	0.23	0.15	33
	L30KL009	XHD	CONVEYOR JACKLEG		1,140	0.22	0.07	0.09	0.02	0.00	7
	L30KL010	101-XHD	30" X 50' - 615 TON/HR	20 HP D	27,271	6.15	1.53	1.94	0.56	0.60	105
	L30KL011	MODEL 45	PLATE FEEDER DOZER TRAP	8 HP D	8,891	2.01	0.54	0.71	0.18	0.24	42
	L30KL012		BELT FEEDER DOZER TRAP	5 HP D	10,886	2.28	0.66	0.87	0.22	0.15	40
	L30KL013		WING WALLS STATIONARY		1,483	0.29	0.09	0.12	0.03	0.00	9
	L30KL014		TUNNEL EXTENSION WITH BACKBOARDS		7,416	1.42	0.45	0.59	0.15	0.00	55
	L30KL015	SB-80	SINGLE DECK SCREEN, 8' X 48"	3 HP D	7,262	1.51	0.44	0.58	0.15	0.09	22
	L30KL016	DC-80-48	DOUBLE DECK SCREEN, 8' X 48"	5 HP D	9,913	2.09	0.60	0.79	0.20	0.15	34
	L30KL017	TC-80-48	TRIPLE DECK SCREEN, 8' X 48"	8 HP D	13,423	2.88	0.81	1.07	0.27	0.24	43
	L30KL018	XHD	CONVEYOR JACKLEG		1,140	0.22	0.07	0.09	0.02	0.00	7
	L30KL019	101-XHD	36" X 50' - 910 TON/HR	30 HP D	33,027	7.71	1.85	2.36	0.67	0.91	111
	L30KL020	MODEL 45	PLATE FEEDER DOZER TRAP	9 HP D	9,400	2.15	0.57	0.75	0.19	0.27	45
	L30KL021		BELT FEEDER DOZER TRAP	7 HP D	11,790	2.53	0.71	0.94	0.24	0.21	42
	L30KL022		WING WALLS STATIONARY		1,483	0.29	0.09	0.12	0.03	0.00	9
	L30KL023		TUNNEL EXTENSION WITH BACKBOARDS		7,416	1.42	0.45	0.59	0.15	0.00	55
	L30KL024	SB-90	SINGLE DECK SCREEN, 9' X 54"	5 HP D	8,196	1.78	0.50	0.66	0.17	0.15	27
	L30KL025	DC-90-54	DOUBLE DECK SCREEN, 9' X 54"	8 HP D	11,268	2.47	0.68	0.90	0.23	0.24	42
	L30KL026	TC-90-54	TRIPLE DECK SCREEN, 9' X 54"	8 HP D	13,122	2.83	0.80	1.05	0.27	0.24	45
	L30KL027	XHD	CONVEYOR JACKLEG		1,140	0.22	0.07	0.09	0.02	0.00	7
	L30KL028	101-XHD	42" X 50'- 1260 TON/HR	40 HP D	35,617	8.61	2.00	2.54	0.73	1.21	118
	L30KL029	MODEL 45	PLATE FEEDER DOZER TRAP	11 HP D	11,576	2.65	0.71	0.93	0.24	0.33	48
	L30KL030		BELT FEEDER DOZER TRAP	9 HP D	11,809	2.61	0.71	0.94	0.24	0.27	44
	L30KL031		WING WALLS STATIONARY		1,483	0.29	0.09	0.12	0.03	0.00	9
	L30KL032		TUNNEL EXTENSION WITH BACKBOARDS		7,416	1.42	0.45	0.59	0.15	0.00	55
	L30KL033	SB-100	SINGLE DECK SCREEN, 10' X 60"	5 HP D	10,596	2.24	0.65	0.85	0.22	0.15	36
	L30KL034	DC-100	DOUBLE DECK SCREEN, 10' X 60"	8 HP D	12,471	2.70	0.75	1.00	0.25	0.24	42
	L30KL035	THV-100	TRIPLE DECK SCREEN, 10' X 60"	10 HP D	19,111	4.05	1.16	1.53	0.39	0.30	61
	L30KL036	XHD	CONVEYOR JACKLEG		1,140	0.22	0.07	0.09	0.02	0.00	7
	L30KL037	101-XHD	48" X 50'- 1700 TON/HR	50 HP D	47,242	11.31	2.68	3.41	0.97	1.51	140

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	L30KL038	MODEL 45	PLATE FEEDER DOZER TRAP	15 HP D	16,239	3.69	0.98	1.30	0.33	0.45	51
	L30KL039		BELT FEEDER DOZER TRAP	10 HP D	15,605	3.38	0.95	1.25	0.32	0.30	48
	L30KL040		WING WALLS STATIONARY		1,483	0.29	0.09	0.12	0.03	0.00	9
	L30KL041		TUNNEL EXTENSION WITH BACKBOARDS		8,860	1.71	0.54	0.71	0.18	0.00	62
	L30KL042	SB-120	SINGLE DECK SCREEN, 12' X 60"	8 HP D	12,284	2.66	0.74	0.98	0.25	0.24	45
	L30KL043	DHV-120	DOUBLE DECK SCREEN, 12' X 60"	10 HP D	22,327	4.68	1.36	1.79	0.46	0.30	79
	L30KL044	THV-120	TRIPLE DECK SCREEN, 12' X 60"	10 HP D	25,300	5.25	1.53	2.02	0.52	0.30	80
	L30KL045	XHD	CONVEYOR JACKLEG		1,140	0.22	0.07	0.09	0.02	0.00	7
	L30KL046	303	2,000 CY/HR,48" X 50' BELT,PORTABLE	125 HP D	188,811	41.43	11.18	14.64	3.86	3.78	627
	L30KL047	303	2,000 CY/HR,48" X 60' BELT,PORTABLE	185 HP D	209,989	47.81	12.43	16.28	4.29	5.59	662
	L30KL048	303	3,600 CY/HR,60" X 50' BELT,PORTABLE	185 HP D	216,950	49.45	12.75	16.63	4.43	5.59	682
	L30KL049	303	3,600 CY/HR,60" X 60' BELT,PORTABLE	290 HP D	249,743	59.87	14.68	19.15	5.10	8.77	737
	L30KL050	404	2,000 CY/HR,48" X 50' BELT,PORTABLE	185 HP D	233,470	52.28	13.88	18.21	4.77	5.59	616
	L30KL051	404	2,000 CY/HR,48" X 60' BELT,PORTABLE	185 HP D	246,692	54.89	14.65	19.22	5.04	5.59	650
	L30KL052	404	3,600 CY/HR,60" X 50' BELT,PORTABLE	290 HP D	279,997	65.56	16.56	21.67	5.72	8.77	671
	L30KL053	404	3,600 CY/HR,60" X 60' BELT,PORTABLE	290 HP D	309,711	71.43	18.31	23.95	6.33	8.77	724
	L30KL054	SB-120	SINGLE DECK SCREEN, 12' X 72"	8 HP D	16,376	3.45	0.99	1.31	0.33	0.24	50
	L30KL055	DHV-120	DOUBLE DECK SCREEN, 12' X 72"	15 HP D	27,542	5.86	1.66	2.20	0.56	0.45	81
	L30KL056	THV-120	TRIPLE DECK SCREEN, 12' X 72"	15 HP D	29,781	6.30	1.80	2.38	0.61	0.45	84
	L30KL057		SINGLE DECK VIBRATING GRIZZLE 72"W	15 HP D	27,073	5.78	1.64	2.17	0.55	0.45	89
		MAXON INDUSTRIES									
	L30MX008		SLIDER BELT CONVEYOR 300 FPM, 1 CY PER MINUTE		5,866	1.88	0.36	0.47	0.12	0.00	1
L35	**LOADERS, FRONT END, CRAWLER TYPE**										
		CATERPILLAR									
	L35CA001	931C	1.00 CY	67 HP D	59,436	16.31	3.59	4.75	1.21	2.19	167
	L35CA002	931C LGP	1.00 CY	67 HP D	64,581	17.48	3.91	5.17	1.32	2.19	221
	L35CA003	935C	1.30 CY	78 HP D	67,196	18.55	4.06	5.38	1.37	2.56	180
	L35CA004	943	1.50 CY	80 HP D	102,818	26.67	6.22	8.23	2.10	2.62	270
	L35CA005	953	2.00 CY	110 HP D	134,149	35.03	8.11	10.73	2.74	3.60	309
	L35CA006	963	2.60 CY	150 HP D	174,045	45.77	10.52	13.92	3.56	4.91	407
	L35CA007	973	3.75 CY	210 HP D	267,528	69.46	16.17	21.40	5.47	6.88	552

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		CASE									
	L35CS001	455C	1.00 CY, POWERSHIFT	63 HP D	57,782	15.76	3.49	4.62	1.18	2.06	150
	L35CS002	855D	1.50 CY, POWERSHIFT/TC	82 HP D	77,447	21.04	4.68	6.20	1.58	2.69	208
	L35CS003	1155E	2.00 CY, POWERSHIFT/TC	118 HP D	101,260	27.98	6.12	8.10	2.07	3.87	284
		FIATALLIS									
	L35FI001	FL5B	1.00 CY, POWERSHIFT	70 HP D	65,848	17.90	3.99	5.27	1.35	2.29	183
	L35FI002	FL7B	1.50 CY, POWERSHIFT/TC	85 HP D	85,620	23.00	5.18	6.85	1.75	2.78	211
	L35FI003	FL10E	2.20 CY, POWERSHIFT/TC	127 HP D	134,436	35.84	8.13	10.75	2.75	4.16	294
	L35FI004	FL14E	2.75 CY, POWERSHIFT	168 HP D	176,535	47.12	10.67	14.12	3.61	5.50	392
	L35FI005	FL20	3.50 CY, POWERSHIFT	227 HP D	269,334	70.62	16.28	21.55	5.50	7.44	577
		INTERNATIONAL/DRESSER									
	L35ID001	100G	1.13 CY, POWERSHIFT	70 HP D	62,457	17.14	3.78	5.00	1.28	2.29	160
	L35ID002	125G	1.38 CY, POWERSHIFT	80 HP D	82,742	22.14	5.00	6.62	1.69	2.62	198
	L35ID003	175C	2.00 CY, POWERSHIFT	140 HP D	125,683	34.44	7.60	10.05	2.57	4.59	317
	L35ID004	200	2.60 CY, POWERSHIFT	165 HP D	159,769	43.21	9.65	12.78	3.26	5.41	379
	L35ID005	250E	3.25 CY, POWERSHIFT	215 HP D	192,661	52.80	11.65	15.41	3.94	7.04	460
		JOHN DEERE									
	L35JD002	455G	1.25 CY	70 HP D	57,045	15.91	3.45	4.56	1.17	2.29	175
	L35JD003	555G	1.50 CY	90 HP D	75,064	20.84	4.54	6.01	1.53	2.95	197
	L35JD004	655B	2.00 CY	120 HP D	101,806	28.18	6.15	8.14	2.08	3.93	324
	L35JD005	755B	2.25 CY	140 HP D	115,368	32.12	6.98	9.23	2.36	4.59	355
		KOMATSU									
	L35KM001	D31S-18	1.30 CY, HYDROSHIFT	70 HP D	57,874	16.09	3.50	4.63	1.18	2.29	168
	L35KM002	D41S-3	1.60 CY, HYDROSHIFT	90 HP D	102,616	27.06	6.21	8.21	2.10	2.95	262
	L35KM003	D53S-17	2.00 CY, POWERSHIFT	110 HP D	140,294	36.42	8.48	11.22	2.87	3.60	300
	L35KM004	D57S-1	2.10 CY, POWERSHIFT	135 HP D	134,908	36.29	8.16	10.79	2.76	4.42	340
	L35KM005	D66S-1	2.80 CY, HYDROSTATIC	160 HP D	171,043	45.52	10.33	13.68	3.49	5.24	422
	L35KM006	D75S-5	3.30 CY, POWERSHIFT	200 HP D	222,132	58.80	13.43	17.77	4.54	6.55	485

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
L40	**LOADERS, FRONT END, WHEEL TYPE**										
	0.10	ARTICULATED									
	0.11	0 THRU 225 HP									
		CATERPILLAR									
	L40CA001	910E	1-1/4 CY, ARTICULATED	65 HP D	73,217	15.10	4.17	5.26	1.54	1.97	145
	L40CA002	916	1-1/2 CY, ARTICULATED	85 HP D	84,069	17.66	4.81	6.07	1.77	2.57	183
	L40CA003	926E	2 CY, ARTICULATED	110 HP D	99,670	21.45	5.68	7.16	2.10	3.33	202
	L40CA004	936E	2-1/2 CY, ARTICULATED	135 HP D	125,366	27.46	7.04	8.80	2.64	4.08	271
	L40CA005	950-E	3 CY, ARTICULATED	160 HP D	160,849	34.75	9.02	11.26	3.39	4.84	339
	L40CA006	966-E	4 CY, ARTICULATED	216 HP D	224,409	49.31	12.41	15.35	4.73	6.53	443
		CASE									
	L40CS001	W-11B	1.00 CY, 4WD, ARTICULATED	69 HP D	50,295	11.60	2.83	3.54	1.06	2.09	105
	L40CS006	621	2.25 CY, 4WD, ARTICULATED	116 HP D	85,241	20.02	4.73	5.86	1.80	3.51	246
	L40CS007	721	2.50 CY, 4WD, ARTICULATED	140 HP D	104,955	24.16	5.88	7.34	2.21	4.23	273
	L40CS008	821	3.00 CY, 4WD, ARTICULATED	170 HP D	131,454	29.71	7.42	9.30	2.77	5.14	316
		FIATALLIS									
	L40FI001	FR7B	1.38 CY, 4WD, POWERSHIFT / TC	71 HP D	70,167	14.86	4.00	5.03	1.48	2.15	153
	L40FI002	FRPB	1.75 CY, 4WD, POWERSHIFT / TC	90 HP D	79,455	17.19	4.52	5.70	1.67	2.72	172
	L40FI003	FR10B	2.00 CY, 4WD, POWERSHIFT / TC	110 HP D	92,839	20.36	5.29	6.65	1.96	3.33	206
	L40FI004	FR11	2.25 CY, 4WD, POWERSHIFT / TC	125 HP D	108,980	23.55	6.23	7.86	2.30	3.78	246
	L40FI005	FR12B	2.62 CY, 4WD, POWERSHIFT / TC	140 HP D	125,969	27.59	7.10	8.89	2.65	4.23	275
	L40FI006	FR15B	3.25 CY, 4WD, POWERSHIFT / TC	185 HP D	154,739	34.92	8.64	10.76	3.26	5.59	328
		FORD/NEW HOLLAND									
	L40FN001	345C	.75 CY	52 HP D	27,952	6.98	1.58	1.97	0.59	1.57	85
	L40FN002	445C	.87 CY	52 HP D	30,425	7.36	1.72	2.15	0.64	1.57	86
	L40FN003	545C	1.00 CY	62 HP D	32,631	8.15	1.85	2.32	0.69	1.87	86
	L40FN004	555C	1.12 CY	65 HP D	37,369	9.09	2.12	2.65	0.79	1.97	90

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		FURUKAWA									
	L40FU001	FL120-1	1.75 CY, 4WD	80 HP D	74,509	16.17	4.21	5.27	1.57	2.42	179
	L40FU002	FL150-1	2.00 CY, 4WD	102 HP D	87,693	19.19	4.98	6.26	1.85	3.08	213
	L40FU003	FL200-1	2.60 CY, 4WD	140 HP D	113,210	25.48	6.37	7.96	2.39	4.23	299
	L40FU004	FL230-1	3.10 CY, 4WD	160 HP D	134,824	29.76	7.63	9.58	2.84	4.84	311
	L40FU005	FL330-1	4.30 CY, 4WD	217 HP D	186,425	41.70	10.44	13.02	3.93	6.56	435
		INTERNATIONAL/DRESSER									
	L40ID005	540	3.75 CY, ARTICULATED FRAME	205 HP D	197,110	42.77	11.08	13.86	4.15	6.20	360
	L40ID010	510C	1.38 CY, ARTICULATED FRAME	93 HP D	67,690	15.41	3.85	4.83	1.43	2.81	155
	L40ID011	515C	1.88 CY, ARTICULATED FRAME	115 HP D	84,697	19.32	4.80	6.01	1.79	3.48	236
	L40ID012	520C	2.50 CY, ARTICULATED FRAME	144 HP D	99,600	22.88	5.67	7.14	2.10	4.35	271
	L40ID013	530C	3.00 CY, ARTICULATED FRAME	165 HP D	148,420	32.39	8.40	10.53	3.13	4.99	362
		JOHN DEERE									
	L40JD001	344E	1.63 CY, 4WD, ARTICULATED	75 HP D	61,134	13.59	3.47	4.35	1.29	2.27	159
	L40JD002	444E	1.75 CY, 4WD, ARTICULATED	95 HP D	70,611	15.99	4.01	5.04	1.49	2.87	172
	L40JD003	544E	2.25 CY, 4WD, ARTICULATED	115 HP D	82,044	18.65	4.68	5.90	1.73	3.48	230
	L40JD004	644E	3.25 CY, 4WD, ARTICULATED	160 HP D	131,314	29.05	7.46	9.37	2.77	4.84	334
		KAWASAKI									
	L40KA001	65ZIII	2.60 CY, 4WD, ARTICULATED	120 HP D	104,236	22.59	5.95	7.50	2.20	3.63	220
	L40KA002	70ZII	3.25 CY, 4WD, ARTICULATED	158 HP D	126,813	28.40	7.16	8.98	2.67	4.78	305
	L40KA003	80ZIII	3.75 CY, 4WD, ARTICULATED	165 HP D	166,478	35.10	9.48	11.93	3.51	4.99	326
		MICHIGAN / VME									
	L40MC001	L30	1.0 CY BUCKET	74 HP D	65,537	14.07	3.71	4.66	1.38	2.24	131
	L40MC002	L50	1.5 CY BUCKET	84 HP D	95,762	19.31	5.48	6.92	2.02	2.54	161
	L40MC003	L70	2.0 CY BUCKET	110 HP D	113,362	23.33	6.48	8.18	2.39	3.33	210
	L40MC004	L90	2.5 CY BUCKET	145 HP D	152,808	31.51	8.69	10.93	3.22	4.38	285
	L40MC005	L120	3.1 CY BUCKET	190 HP D	181,950	38.69	10.24	12.81	3.83	5.75	345
	L40MC006	L140	4.0 CY BUCKET	203 HP D	224,041	45.95	12.70	15.96	4.72	6.14	425

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		MASSEY FERGUSON									
	L40MF001	MF30E	.75 CY	48 HP D	28,803	6.84	1.65	2.07	0.61	1.45	95
	L40MF002	MF50E	1.05 CY	68 HP D	32,394	8.30	1.84	2.31	0.68	2.06	106
	L40MF003	MF50HX/SERIES S	1.05 CY	74 HP D	32,329	8.58	1.83	2.29	0.68	2.24	135
		MITSUBISHI									
	L40MI001	WS200A	.50 CY, 4WD, ARTICULATED	26 HP D	33,827	6.88	1.92	2.41	0.71	0.79	59
	L40MI002	WS400	1.00 CY, 4WD, ARTICULATED	50 HP D	50,136	10.79	2.83	3.53	1.06	1.51	94
	L40MI003	WS500	1.00 CY, 4WD, ARTICULATED	55 HP D	54,080	11.63	3.05	3.82	1.14	1.66	114
		TROJAN/O & K									
	L40TR001	1500Z	1.75 CY, 4WD, ARTICULATED, PWRSHIFT	93 HP D	73,087	16.48	4.12	5.16	1.54	2.81	179
	L40TR002	1700Z	2.25 CY, 4WD, ARTICULATED, PWRSHIFT	110 HP D	76,656	17.77	4.34	5.43	1.62	3.33	203
	L40TR003	1900Z	2.50 CY, 4WD, ARTICULATED, PWRSHIFT	121 HP D	88,098	20.05	5.01	6.29	1.86	3.66	220
	L40TR005	3500Z	3.75 CY, 4WD, ARTICULATED, PWRSHIFT	185 HP D	144,479	33.28	8.04	9.99	3.04	5.59	376
	L40TR009	L2500	3.00 CY, 4WD ARTICULATED,POWERSHIFT	155 HP D	124,164	27.85	7.01	8.78	2.62	4.69	297
	L40TR010	L3000	3.75 CY, 4WD ARTICULATED,POWERSHIFT	182 HP D	160,444	35.71	8.98	11.19	3.38	5.50	366
0.12	OVER 225 HP										
		CATERPILLAR									
	L40CA007	980-C	5-1/4 CY, ARTICULATED	270 HP D	297,541	59.88	15.45	19.34	5.78	8.16	601
	L40CA008	988-B	7 CY, ARTICULATED	375 HP D	444,792	85.00	22.94	28.60	8.64	11.34	898
	L40CA009	992-C	13-1/2 CY, ARTICULATED	690 HP D	919,987	175.16	46.90	58.06	17.87	20.87	1,931
		FIATALLIS									
	L40FI007	FR20B	4.00 CY, 4WD, POWERSHIFT / TC	230 HP D	213,731	45.54	10.96	13.61	4.15	6.96	440
	L40FI008	FR35	7.00 CY, 4WD, POWERSHIFT / TC	350 HP D	357,180	72.00	18.66	23.43	6.94	10.58	729

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	ADJUSTABLE ELEMENTS OWNERSHIP FUEL	CWT
		INTERNATIONAL/DRESSER									
	L40ID007	560B	7.50 CY, ARTICULATED	415 HP D	418,818	82.11	21.66	27.05	8.13	12.55	830
	L40ID008	570	12.00 CY, ARTICULATED	590 HP D	760,568	140.36	39.85	50.16	14.77	17.84	1,350
	L40ID009	580	22.00 CY, ARTICULATED	1,100 HP D	1,739,891	311.54	91.18	114.77	33.79	33.26	2,846
	L40ID014	555	5.50 CY, ARTICULATED FRAME	315 HP D	292,538	58.98	14.99	18.61	5.68	9.53	667
		KAWASAKI									
	L40KA004	85ZII	4.25 CY, 4WD, ARTICULATED	226 HP D	195,873	39.90	10.34	13.07	3.80	6.83	431
	L40KA005	95ZII	6.00 CY, 4WD, ARTICULATED	310 HP D	262,988	55.64	13.66	17.10	5.11	9.37	610
	L40KA006	115ZIII	8.25 CY, 4WD, ARTICULATED	410 HP D	469,905	88.79	24.56	30.86	9.13	12.40	928
		MICHIGAN / VME									
	L40MC007	L160	5.00 CY, 4WD, ARTICULATED	252 HP D	253,193	50.29	13.12	16.40	4.92	7.62	488
	L40MC008	L190	5.25 CY, 4WD, ARTICULATED, PS/TC	290 HP D	296,806	57.01	15.21	18.87	5.77	8.77	549
	L40MC009	L270	7.00 CY, 4WD, ARTICULATED, PS/TC	360 HP D	428,535	78.81	22.34	28.04	8.32	10.89	910
	L40MC010	L320	8.00 CY, 4WD, ARTICULATED, PS/TC	417 HP D	470,531	87.94	24.35	30.42	9.14	12.61	964
	L40MC011	L480	12.50 CY, 4WD, ARTICULATED, PS/TC	650 HP D	824,122	154.16	41.64	51.26	16.01	19.66	1,780
	L40MC012	L480T	12.5 CY BUCKET, TURBO TRANSMISSION	679 HP D	857,333	160.02	43.46	53.62	16.65	20.53	1,634
		TEREX									
	L40TE003	80C	6.00 CY, 4WD ARTICULATED,POWERSHIFT	315 HP D	277,380	57.91	14.45	18.12	5.39	9.53	579
	L40TE004	85B	8.00 CY, 4WD ARTICULATED,POWERSHIFT	388 HP D	353,352	71.22	18.16	22.60	6.86	11.73	856
	L40TE005	90C	8.50 CY, 4WD ARTICULATED,POWERSHIFT	460 HP D	426,791	85.65	21.95	27.32	8.29	13.91	978
		TROJAN/O & K									
	L40TR006	L4500	4.50 CY, 4WD ARTICULATED,POWERSHIFT	231 HP D	204,376	40.91	10.86	13.78	3.97	6.99	434
	L40TR007	L5500	5.50 CY, 4WD ARTICULATED,POWERSHIFT	291 HP D	283,798	57.90	14.80	18.57	5.51	8.80	602
	L40TR008	7500	7.50 CY, 4WD ARTICULATED,POWERSHIFT	402 HP D	371,276	75.06	19.00	23.57	7.21	12.16	850

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	0.20 SKID STEER										
		MELROE / BOBCAT									
	L40ME001	440B	6 CWT, 36" BUCKET	16 HP G	6,837	3.09	0.49	0.69	0.14	1.19	21
	L40ME002	443	6 CWT, 44" BUCKET	15 HP D	10,577	3.06	0.77	1.09	0.22	0.49	24
	L40ME003	543	8 CWT, 48" BUCKET	22 HP D	13,657	4.01	0.99	1.42	0.28	0.72	33
	L40ME004	642B	10 CWT, 54" BUCKET	32 HP G	13,800	6.09	1.00	1.43	0.28	2.37	38
	L40ME006	742	13 CWT, 60" BUCKET	34 HP G	17,086	7.00	1.24	1.78	0.35	2.52	45
	L40ME007	743B	13 CWT, 60" BUCKET	36 HP D	16,526	5.27	1.20	1.72	0.34	1.18	46
	L40ME008	843	17 CWT, 60" BUCKET	54 HP D	24,822	8.00	1.78	2.55	0.50	1.77	63
	L40ME009	943	24 CWT, 66" BUCKET	69 HP D	29,106	9.65	2.08	2.97	0.59	2.26	88
	L40ME012	753	13 CWT, 60" BUCKET	40 HP D	19,111	6.02	1.39	2.00	0.39	1.31	46
	L40ME013	980	40 CWT, 93" BUCKET	94 HP D	56,419	17.07	4.00	5.70	1.15	3.08	145
	0.30 TOOL CARRIER										
	0.31 0 THRU 225 HP										
		CATERPILLAR									
	L40CA010	IT12B	INTEGRATED TOOL CARRIER	75 HP D	76,990	16.46	4.39	5.54	1.62	2.27	183
	L40CA011	IT18B	INTEGRATED TOOL CARRIER	95 HP D	92,679	19.92	5.30	6.69	1.95	2.87	218
	L40CA012	IT28B	INTEGRATED TOOL CARRIER	110 HP D	104,845	22.57	6.02	7.61	2.21	3.33	243
	L40CA013	IT14B	INTEGRATED TOOL CARRIER	85 HP D	84,241	18.06	4.82	6.08	1.78	2.57	200
	0.32 OVER 225 HP										
		MICHIGAN / VME									
	L40MC013	L160 HIGH-LIFT	2.8 SQ METER GRAPPLE ARMS	252 HP D	320,433	61.09	16.81	21.17	6.22	7.62	448

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
L45	**LOADERS w/ BACKHOE, CRAWLER TYPE**										
		CATERPILLAR									
	L45CA001	931C	1.00 CY FE BUCKET W/30" B/H DIPPER	67 HP D	76,595	20.19	4.64	6.13	1.57	2.19	207
L50	**LOADERS w/ BACKHOE, WHEEL TYPE**										
		CATERPILLAR									
	L50CA001	416 II	1.00 CY FE BUCKET W/24" B/H DIPPER	62 HP D	54,231	11.80	3.11	3.93	1.14	1.87	132
	L50CA002	426 II	1.25 CY FE BUCKET W/30" B/H DIPPER	70 HP D	61,448	13.35	3.54	4.47	1.30	2.12	142
	L50CA003	436 II	1.38 CY FE BUCKET W/30" B/H DIPPER	77 HP D	64,564	14.20	3.70	4.68	1.36	2.33	147
	L50CA004	446	1.5 CY FE BUCKET W/30" B/H DIPPER	95 HP D	92,334	19.62	5.32	6.73	1.95	2.87	191
		CASE									
	L50CS002	580K	1.00 CY FE BUCKET W/24" B/H DIPPER	63 HP D	49,845	11.17	2.85	3.59	1.05	1.91	130
		FORD/NEW HOLLAND									
	L50FN002	455C	1.00 CY FE BUCKET W/24" B/H DIPPER	55 HP D	41,414	9.30	2.38	3.01	0.87	1.66	114
	L50FN004	555C	1.12 CY FE BUCKET W/24" B/H DIPPER	65 HP D	61,448	13.14	3.54	4.48	1.30	1.97	135
	L50FN005	655C	1.50 CY FE BUCKET W/24" B/H DIPPER	75 HP D	68,731	14.83	3.95	5.00	1.45	2.27	149
	L50FN006	755B	1.50 CY FE BUCKET W/24" B/H DIPPER	100 HP D	80,129	17.72	4.62	5.85	1.69	3.02	167
		JOHN DEERE									
	L50JD001	310C	1.00 CY FE BUCKET W/18" B/H DIPPER	65 HP D	43,385	10.09	2.48	3.13	0.91	1.97	125
	L50JD002	410C	1.00 CY FE BUCKET W/18" B/H DIPPER	75 HP D	52,368	12.05	2.99	3.78	1.10	2.27	144
	L50JD003	510C	1.25 CY FE BUCKET W/18" B/H DIPPER	85 HP D	61,748	14.06	3.53	4.46	1.30	2.57	154
	L50JD005	710C	1.50 CY FE BUCKET W/24" B/H DIPPER	100 HP D	91,392	19.88	5.21	6.55	1.93	3.02	225

TABLE 2-I. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		MASSEY FERGUSON									
	L50MF003	MF60H/SERIES S	1.05 CY FE BUCKET W/24" B/H DIPPER	74 HP D	45,699	10.90	2.60	3.27	0.96	2.24	137
	L50MF004	MF50HX/SERIES T	1.05 CY FE BUCKET W/18" B/H DIPPER	78 HP D	50,764	11.92	2.90	3.65	1.07	2.36	136
	L50MF005	MF60HX/SERIES T	1.05 CY FE BUCKET W/18" B/H DIPPER	86 HP D	54,000	12.76	3.09	3.89	1.14	2.60	137
L55	**LOADER/BACKHOE, ATTACHMENTS (add Loader/Backhoe)**										
		KENT									
	L55KN001	KB-555	AIR RAM W/NARROW CHISEL (ADD COMPR)	175 CFM A	6,012	2.37	0.53	0.80	0.13	0.00	6
	L55KN002	KB-999	AIR RAM W/NARROW CHISEL (ADD COMPR)	250 CFM A	12,347	4.88	1.10	1.65	0.27	0.00	10
	L55KN003	KB-2600	AIR RAM W/CHISEL(ADD MIN .75CY B/H)	750 CFM A	25,344	9.84	2.24	3.38	0.55	0.00	22
	L55KN004	KHP-12	HYDRA-PAK TAMPER,HYD,21"W,30"L,27"H		5,094	1.82	0.45	0.68	0.11	0.00	9
	L55KN005	KHP225	HYDRA-PAK TAMPER,HYD,27"W,36"L,31"H (ADD MIN .75 CY BACKHOE)		10,078	3.48	0.89	1.34	0.22	0.00	17
L60	**LOG SKIDDERS**										
		CATERPILLAR									
	L60CA001	508	SKIDDER, CABLE, WITH 27,255# PULL	95 HP D	78,402	18.69	4.66	6.22	1.55	2.87	166
	L60CA002	508	SKIDDER, GRAPPLE WITH 27,225# PULL	95 HP D	91,515	21.00	5.48	7.33	1.81	2.87	182
	L60CA003	518	SKIDDER, CABLE WITH 32,000# PULL	120 HP D	90,911	21.84	5.44	7.28	1.80	3.63	221
	L60CA004	518	SKIDDER, GRAPPLE WITH 32,000# PULL	130 HP D	94,509	22.86	5.67	7.59	1.87	3.93	246
	L60CA005	528	SKIDDER, CABLE WITH 40,000# PULL	175 HP D	134,619	33.57	7.81	10.30	2.66	5.29	300
	L60CA006	FB-518	FELLER-BUNCHER, WHEEL MOUNTED	130 HP D	127,319	29.41	7.58	10.11	2.52	3.93	210
	L60CA007	FB-227	FELLER-BUNCHER, CRAWLER MOUNTED	135 HP D	282,514	55.07	17.60	24.01	5.59	4.08	706
		JOHN DEERE									
	L60JD001	540D	CABLE LOG SKIDDER,26,700# LINE PULL	100 HP D	77,287	18.01	4.71	6.36	1.53	3.02	165
	L60JD002	640D	CABLE LOG SKIDDER,32,100# LINE PULL	120 HP D	86,242	21.70	5.03	6.63	1.71	3.63	202
	L60JD003	548D	GRAPPLE LOG SKIDR,26,600# LINE PULL	100 HP D	85,677	19.51	5.24	7.08	1.70	3.02	185
	L60JD004	648D	GRAPPLE LOG SKIDR,26,700# LINE PULL	120 HP D	98,026	23.78	5.76	7.63	1.94	3.63	244
	L60JD005	740A	GRAPPLE LOG SKIDR,51,880# LINE PULL	158 HP D	140,121	36.49	7.69	9.83	2.77	4.78	358
	L60JD006	643	FELLER BUNCHER, WHEEL MOUNTED	145 HP D	112,839	27.34	6.68	8.89	2.23	4.38	275

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		RANGER / VME									
	L60RN001	F665	CABLE SKIDDER, LINE PULL 22,400#	104 HP D	80,904	18.62	4.94	6.67	1.60	3.14	163
	L60RN002	F666	CABLE SKIDDER, LINE PULL 29,200#	132 HP D	93,197	22.75	5.45	7.22	1.84	3.99	217
	L60RN003	F667	CABLE SKIDDER, LINE PULL 33,400#	159 HP D	107,624	26.34	6.36	8.45	2.13	4.81	220
	L60RN004	F668	CABLE SKIDDER, LINE PULL 34,600#	217 HP D	145,212	38.63	7.77	9.79	2.87	6.56	346
M10	**MARINE EQUIPMENT**										
	0.10 MARINE MAINTENANCE EQUIPMENT										
	0.11 AQUATIC MAINTENANCE,-LAKES/HARBORS										
		AQUATICS UNLIMITED									
	M10AQ001	MPAR 160/163-TL	AQUAMOG, MARINE MAINTENANCE RIG 360 DEGREE SWING EXCAVATOR ARM, ADD ATTACHMENTS	163 HP D	161,233	33.59	10.00	13.61	3.19	4.93	270
	M10AQ002	PRX-163-TL	AQUAMOG, MARINE MAINTENANCE RIG 180 DEGREE SWING ARM, ADD ATTACHMENTS	163 HP D	138,575	29.73	8.58	11.68	2.74	4.93	185
	M10AQ003	SRX105	AQUAMOG, MARINE MAINTENANCE RIG	105 HP D	115,367	23.61	7.14	9.71	2.28	3.18	138
	0.12 ATTACHMENTS FOR (M10 .10)										
		AQUATICS UNLIMITED									
	M10AQ006	AUSC-800E	SHORE CONVEYOR		19,702	5.51	1.01	1.15	0.43	0.00	28
	M10AQ007	AQUAMOG	AUGER HEAD ATTACHMENT, 8' WIDE		30,670	7.62	2.72	4.09	0.67	0.00	24
	M10AQ010	AQUAMOG	CUTTERHEAD ATTACHMENT, 30" DIAMETER WITH 8" PUMP		28,579	7.09	2.53	3.81	0.62	0.00	5
	M10AQ011	AQUAMOG	CUTTERHEAD ATTACHMENT, 26" DIAMETER WITH 6" PUMP		25,686	6.37	2.27	3.42	0.56	0.00	4
	M10AQ012	AQUAMOG	AQUATIC PLANT CONTROL ATTACHMENT, 8' ROTOTILLER		8,097	2.01	0.72	1.08	0.18	0.00	26

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	M10AQ013	AQUAMOG	AQUATIC PLANT CONTROL ATTACHMENT, 6'6" ROTOTILLER 2000		7,343	1.82	0.65	0.98	0.16	0.00	20
	M10AQ014	AQUAMOG	AQUATIC PLANT CONTROL ATTACHMENT, 10' T-BAR CUTTER		3,947	0.99	0.36	0.53	0.09	0.00	4
	M10AQ015	AQUAMOG	AQUATIC PLANT CONTROL ATTACHMENT, 5' FLAIL CHOPPER		4,243	1.06	0.38	0.57	0.09	0.00	10
	M10AQ016	AQUAMOG	AQUATIC PLANT CONTROL ATTACHMENT, 8' CLAM RAKE		5,705	1.41	0.50	0.76	0.12	0.00	20
	M10AQ017	AQUAMOG	AQUATIC PLANT CONTROL ATTACHMENT, 8' RAKE		2,211	0.55	0.20	0.29	0.05	0.00	27
	M10AQ018	AQUAMOG	AQUATIC PLANT CONTROL ATTACHMENT, SWING ARM, HYDRAULIC		3,734	0.93	0.33	0.50	0.08	0.00	30
	M10AQ019	AQUAMOG	CLAM BUCKET ATTACHMENT, 29" FOR DREDGING		4,557	1.13	0.41	0.61	0.10	0.00	8
	M10AQ020	AQUAMOG	CLAM BUCKET ATTACHMENT,		5,051	1.25	0.45	0.67	0.11	0.00	22
0.20 PORTABLE (TRUCKABLE) HYDRAULIC, DREDGES 12" OR LESS											
0.21 CUTTERHEAD DREDGE, 8" OR LESS											
		CRISAFULLI PUMP									
	M10CP001	4X6130	YELLOWSTONE, 15' DREDGING DEPTH PUMP AT 700 GPM, 6" DISCHARGE DIA. ADD ATTACHMENTS	140 HP D	97,843	23.22	6.10	8.32	1.94	5.29	165
		DREDGING SUPPLY									
	M10DS001	PIRANHA	8" DREDGE WITH 22' CUTTERHEAD LADDER, 8"X8" DREDGE PUMP DEUTZ DIESEL ENGINE	170 HP D	139,215	31.67	8.68	11.83	2.76	6.43	350
	M10DS002	PIRANHA	8" DREDGE WITH 22' CUTTERHEAD LADDER, 8"X8" DREDGE PUMP CATERPILLAR 3208 ENGINE	255 HP D	146,220	36.84	9.11	12.43	2.89	9.64	400
	M10DS003	BARRACUDA	8" SWINGING LADDER/COMBO DREDGE CATERPILLAR 3306 ENGINE	250 HP D	188,310	43.77	11.74	16.01	3.73	9.45	450

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	ADJUSTABLE ELEMENTS OWNERSHIP FUEL	CWT
		KEENE ENGINEERING CO.									
	M10KK001	6G - NESSIE	CUTTERHEAD DREDGE, 6"DIA. DISCHARGE 20 ' MAX DEPTH,. 2400 GPM	175 HP G	109,219	37.69	6.80	9.28	2.16	14.96	93
	M10KK002	6D - NESSIE	CUTTERHEAD DREDGE, 6"DIA. DISCHARGE 20 ' MAX DEPTH,. 2400 GPM	250 HP D	113,273	31.01	7.06	9.63	2.24	9.45	107
	M10KK003	8G - NESSIE	CUTTERHEAD DREDGE, 8"DIA. DISCHARGE 20 ' MAX DEPTH,. 3200 GPM	175 HP G	118,656	39.31	7.40	10.09	2.35	14.96	106
	M10KK004	8D- NESSIE	CUTTERHEAD DREDGE, 8"DIA. DISCHARGE 20 ' MAX DEPTH,. 3200 GPM	250 HP D	123,653	32.77	7.71	10.51	2.45	9.45	116
	0.22 CUTTERHEAD DREDGE OVER 8" THRU 12"										
		CRISAFULLI PUMP									
	M10CP002	6X8170	STILLWATER, 20' DREDGING DEPTH, PUMP AT 2500GPM, 10" DISCHARGE DIA, ADD ATTACHMENTS	170 HP D	108,707	24.94	6.12	8.15	2.04	6.43	180
	M10CP003	10X10170	BIG SKY, 20' DREDGING DEPTH, PUMP AT 2500GPM, 10" DISCHARGE DIA. ADD ATTATCHMENTS	170 HP D	115,030	25.93	6.48	8.63	2.16	6.43	195
		DELTA DREDGE									
	M10DD001	212D-MAXI	CUTTERHEAD DREDGE, 12" DISCHARGE DIAMETER	425 HP D	491,330	96.56	27.66	36.85	9.23	16.07	580
	M10DD002	212E-MAXI	CUTTERHEAD DREDGE, 12" DISCHARGE DIAMETER	500 HP E	716,772	167.38	40.34	53.76	13.46	40.00	580
		DREDGING SUPPLY									
	M10DS004	SHARK	10" DREDGE, 12"X10" DREDGE PUMP, 31' CUTTERHEAD, CAT 3406 ENGINE	402 HP D	205,027	50.86	11.54	15.38	3.85	15.20	620
	M10DS005	BARRACUDA	10" SWINGING LADDER/COMBO DREDGE 10"X10" DREDGE PUMP, CAT3406 ENGINE	369 HP D	261,776	58.15	14.74	19.63	4.92	13.95	720
	M10DS006	SHARK	10" DREDGE, 14"X12" DREDGE PUMP, 31' CUTTERHEAD, CAT 3408 ENGINE	624 HP D	281,836	73.27	15.86	21.14	5.29	23.59	1,100
	M10DS007	BARRACUDA	12" SWINGING LADDER/COMBO DREDGE CATERPILLAR 3408 ENGINE	624 HP D	309,157	77.53	17.41	23.19	5.81	23.59	900

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	0.23 AUGERHEAD DREDGE, 12" OR LESS										
		ELLICOTT MACHINE									
	M10EL004	SP815	MUD CAT AUGERHEAD, 6" DISCHARGE DIAMETER	161 HP D	162,526	36.71	10.13	13.81	3.22	6.09	330
	M10EL005	SP915	MUD CAT AUGERHEAD, 6" DISCHARGE DIAMETER	175 HP D	200,272	44.13	12.47	17.02	3.96	6.62	350
	M10EL006	SP920	MUD CAT AUGERHEAD, 6" DISCHARGE DIAMETER	175 HP D	237,932	50.89	14.82	20.22	4.71	6.62	360
	M10EL007	MC915	MUD CAT AUGERHEAD,, 8" DISCHARGE DIAMETER	228 HP D	181,916	43.33	11.33	15.46	3.60	8.62	400
	M10EL008	MC920	MUD CAT AUGERHEAD,, 8" DISCHARGE DIAMETER	228 HP D	218,591	49.92	13.62	18.58	4.33	8.62	410
		H&H PUMP & DREDGE									
	M10HH001	MDS-I50-08	MODULAR DREDGING SYSTEM, 8" DIAM. DISCHARGE WITH 8' WIDE AUGER-TYNE CUTTERHEAD	150 HP D	98,746	24.75	6.15	8.39	1.95	5.67	140
	M10HH002	MDS-150-10	MODULAR DREDGING SYSTEM, 10" DIAM. DISCHARGE WITH 8' WIDE AUGER-TYNE CUTTERHEAD	150 HP D	99,908	24.96	6.23	8.49	1.98	5.67	142
	M10HH003	MDS-177-08	MODULAR DREDGING SYSTEM, 8" DIAM. DISCHARGE WITH 8' WIDE AUGER-TYNE CUTTERHEAD	177 HP D	105,240	27.19	6.56	8.95	2.08	6.69	150
	M10HH004	MDS-177-10	MODULAR DREDGING SYSTEM, 10" DIAM. DISCHARGE WITH 8' WIDE AUGER-TYNE CUTTERHEAD	177 HP D	106,402	27.40	6.63	9.04	2.11	6.69	152
	M10HH005	MDS-177-12	MODULAR DREDGING SYSTEM, 12" DIAM. DISCHARGE WITH 8' WIDE AUGER-TYNE CUTTERHEAD	177 HP D	108,189	27.72	6.74	9.20	2.14	6.69	155
	M10HH006	MDS-80-6	MINI-AUGER TYNE CUTTER, 8' WIDE 6" DIAMETER DISCHARGE	100 HP D	61,951	15.82	3.87	5.27	1.23	3.78	95

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	0.24 FLOATING PUMPS, 12" OR LESS										
		CRISAFULLI PUMP									
	M10CP004		4" FLUMP, UNMANNED, REMOTE CABLE CONTROLLED, AQUATIC MAINTENANCE SYSTEM WITH AUGER CUTTERHEAD	40 HP E	44,457	13.95	3.38	5.00	0.88	3.20	38
	M10CP005		3" FLUMP, UNMANNED, REMOTE CABLE CONTROLLED, AQUATIC MAINTENANCE SYSTEM WITH AUGER CUTTERHEAD	25 HP E	41,616	11.67	3.16	4.68	0.82	2.00	34
	M10CP006		MANUAL TRANSVERSING CABLING SYSTEM FOR FLUMPS, 2-POST, 800' CABLE, 2000 LB. CAPACITY		1,159	0.54	0.09	0.13	0.02	0.00	3
	M10CP007		MANUAL TRANSVERSING CABLING SYSTEM FOR DREDGES, 2-POST, 800' CABLE, 4000 LB. CAPACITY		2,356	0.91	0.19	0.27	0.05	0.00	5
	M10CP008		MANUAL TRANSVERSING CABLING SYSTEM FOR 2000LB FLUMPS, 4-POST,800'CABLE		4,055	1.37	0.31	0.46	0.08	0.00	8
	M10CP009		MANUAL TRANSVERSING CABLING SYSTEM FOR 4000 LB. DREDGES, 4-POST, 800' CABLE		6,111	1.91	0.47	0.69	0.12	0.00	12
	0.26 ATTACHMENTS FOR (M10 .20)										
		CRISAFULLI PUMP									
	M10CP010		POLYETHYLENE INTEGRAL FLOATING DISCHARGE LINE, 4" DIAMETER X 20' FOAM FLOAT		618	0.36	0.06	0.09	0.01	0.00	2
	M10CP011		POLYETHYLENE INTEGRAL FLOATING DISCHARGE LINE, 6" DIAMETER X 20' FOAM FLOAT		753	0.45	0.08	0.11	0.02	0.00	2
	M10CP012		POLYETHYLENE INTEGRAL FLOATING DISCHARGE LINE, 8" DIAMETER X 20' FOAM FLOAT		936	0.54	0.09	0.13	0.02	0.00	3

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	M10CP013		POLYETHYLENE INTEGRAL FLOATING DISCHARGE LINE, 10" DIAMETER X 20' FOAM FLOAT		1,071	0.57	0.10	0.15	0.02	0.00	4
	M10CP014		ALUMINUM INTEGRAL FLOATING DISCHARGE LINE, 4" DIAMETER X 20' FOAM FLOAT		386	0.25	0.04	0.05	0.01	0.00	1
	M10CP015		ALUMINUM INTEGRAL FLOATING DISCHARGE LINE, 6" DIAMETER X 20' FOAM FLOAT		560	0.34	0.05	0.08	0.01	0.00	2
	M10CP016		ALUMINUM INTEGRAL FLOATING DISCHARGE LINE, 8" DIAMETER X 20' FOAM FLOAT		763	0.45	0.08	0.11	0.02	0.00	3
	M10CP017		ALUMINUM INTEGRAL FLOATING DISCHARGE LINE, 10" DIAMETER X 20' FOAM FLOAT		888	0.53	0.09	0.13	0.02	0.00	4
	M10CP018		ALUMINUM INTEGRAL FLOATING DISCHARGE LINE, 4" DIAMETER X 20' FOAM FLOAT		521	0.33	0.05	0.07	0.01	0.00	2
	M10CP019		ALUMINUM INTEGRAL FLOATING DISCHARGE LINE, 6" DIAMETER X 20' FOAM FLOAT		656	0.36	0.06	0.09	0.01	0.00	3
	M10CP020		ALUMINUM INTEGRAL FLOATING DISCHARGE LINE, 8" DIAMETER X 20' FOAM FLOAT		859	0.47	0.08	0.12	0.02	0.00	3
	M10CP021		ALUMINUM INTEGRAL FLOATING DISCHARGE LINE, 10" DIAMETER X 20' FOAM FLOAT		994	0.55	0.09	0.14	0.02	0.00	4
	0.30 SMALL MECHANICAL DREDGES										
	0.32 AMPHIBIOUS EXCAVATORS										
		KORI CORPORATION									
	M10KR001	4258-18	1 CY AMPHIBIOUS EXCAVATOR, CATERPILLAR MODEL 215	125 HP D	224,665	40.93	12.32	15.91	4.36	3.78	550
	M10KR002	5528-18	1.25 CY AMPHIBIOUS EXCAVATOR, CATERPILLAR MODEL 225	150 HP D	239,228	44.29	13.13	16.95	4.65	4.54	630

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	M10KR003	4258-18	.50CY AMPHIBIOUS DRAGLINE, LITTLE GIANT MODEL 48	125 HP D	229,288	41.67	12.57	16.24	4.45	3.78	530
	M10KR004	5528-18	.75CY AMPHIBIOUS DRAGLINE, LITTLE GIANT MODEL 64	185 HP D	286,301	53.20	15.70	20.28	5.56	5.59	600
	M10KR005	4526-16	AMPHIBIOUS ROTARY DITCHER, MALETTI MODEL 2G100-110	185 HP D	191,491	38.04	10.50	13.56	3.72	5.59	420
	M10KR006	4526-16	AMPHIBIOUS PERSONNEL/CARGO CARRIER	185 HP D	181,984	36.52	9.98	12.89	3.53	5.59	410
0.33 HOE-MOUNTED DREDGING EXCAVATOR											
		ELLICOTT MACHINE									
	M10EL009	HMDE-50	BACKHOE MOUNTED DREDGING EXCAVATOR, 6"-8" DISCHARGE DIAMETER, ADD 50 HP EXCAVATOR	HP D	207,360	21.39	8.29	8.81	3.88	0.00	75
	M10EL010	HMDE-60	BACKHOE MOUNTED DREDGING EXCAVATOR, 8"-12" DISCHARGE DIAMETER, ADD 100 HP EXCAVATOR	HP D	349,249	36.02	13.95	14.84	6.53	0.00	180
	M10EL011	HMDE-94	BACKHOE MOUNTED DREDGING EXCAVATOR, 10"-14" DISCHARGE DIAMETER, ADD 300 HP EXCAVATOR	HP D	378,228	39.01	15.11	16.07	7.07	0.00	265
	M10EL012	HMDE-120	BACKHOE MOUNTED DREDGING EXCAVATOR, 14"-18" DISCHARGE DIAMETER, ADD 500 HP EXCAVATOR	HP D	755,130	77.88	30.16	32.09	14.11	0.00	850
0.40 BARGES & FLOATS (NON-DREDGING)											
0.41 WORK FLOATS											
		MARINE INLAND FABRICATERS									
	M10MZ001		20'X8'X2' WORK FLOAT, MEDIUM DUTY		3,222	0.80	0.31	0.48	0.07	0.00	43
	M10MZ002		25'X8'X2' WORK FLOAT, MEDIUM DUTY		4,350	1.08	0.42	0.65	0.09	0.00	53
	M10MZ003		30'X10'X3' WORK FLOAT, MEDIUM DUTY		6,571	1.64	0.64	0.99	0.14	0.00	82

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	0.42 WORK BARGES (SECTIONAL)										
		MARINE INLAND FABRICATERS									
	M10MZ004		35'X10'X3' WORK BARGE, MEDIUM DUTY		10,437	1.72	0.67	0.94	0.20	0.00	131
	M10MZ005		40'X12'X4' WORK BARGE, MEDIUM DUTY		15,434	2.55	1.00	1.39	0.30	0.00	193
	M10MZ006		45'X12'X4' WORK BARGE, MEDIUM DUTY		17,567	2.90	1.13	1.58	0.34	0.00	220
	M10MZ007		50'X14'X4' WORK BARGE, MEDIUM DUTY		21,823	3.60	1.40	1.96	0.42	0.00	273
	M10MZ008		55'X14'X5' WORK BARGE, MEDIUM DUTY		25,241	4.16	1.62	2.27	0.48	0.00	319
	M10MZ009		60'X16'X5' WORK BARGE, MEDIUM DUTY		30,672	5.06	1.97	2.76	0.59	0.00	388
	0.50 TUGS, BOATS & LAUNCHES										
	0.51 0 THRU 250 HP										
		MARINE INLAND FABRICATERS									
	M10MZ010		20'-3"X8'X3' TRUCKABLE WORKBOAT	140 HP D	20,666	8.61	1.13	1.46	0.40	4.23	95
	M10MZ011		25'-3"X10'X3'6" TRUCKABLE WORKBOAT	210 HP D	32,559	13.16	1.79	2.31	0.63	6.35	190
	M10MZ012		25'-3"X12'X4' TRUCKABLE WORKBOAT	210 HP D	42,423	14.57	2.32	3.00	0.82	6.35	210
	M10MZ013		25'-3"X14'X4'6" TRUCKABLE WORKBOAT	210 HP D	56,747	16.65	3.11	4.02	1.10	6.35	260
		SEAARK MARINE									
	M10SM001	17'	LITTLE GIANT, UTILITY SERIES, TRI-HULL, CAPACITY 2000 LBS	150 HP G	21,655	16.36	1.19	1.53	0.42	10.35	18
	M10SM002	19'	LITTLE GIANT, UTILITY SERIES, TRI-HULL, CAPACITY 2400 LBS	185 HP G	22,840	19.62	1.25	1.62	0.44	12.77	20
	M10SM003	21'	LITTLE GIANT, UTILITY SERIES, TRI-HULL, CAPACITY 2800 LBS	195 HP G	24,061	20.69	1.32	1.70	0.47	13.46	24
	M10SM004	23'	LITTLE GIANT, UTILITY SERIES, TRI-HULL, CAPACITY 3400 LBS	195 HP G	25,140	20.85	1.38	1.78	0.49	13.46	28
	M10SM005	18'	RIVER RUNNER, VEE HULL CAPACITY 1350 LBS	100 HP G	10,940	10.39	0.60	0.77	0.21	6.90	15
	M10SM006	20'	RIVER RUNNER, VEE HULL CAPACITY 1650 LBS	115 HP G	11,496	11.80	0.63	0.81	0.22	7.94	15
	M10SM007	17'	ROUSTABOUT, TRI HULL CAPACITY 2200 LBS	150 HP G	17,860	15.82	0.99	1.27	0.35	10.35	16

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	FUEL	CWT
	M10SM008	19'	ROUSTABOUT, TRI HULL CAPACITY 2600 LBS	185 HP G	18,671	19.01	1.02	1.32	0.36	12.77	17
	M10SM009	21'	ROUSTABOUT, TRI HULL CAPACITY 3000 LBS	195 HP G	20,005	20.11	1.10	1.42	0.39	13.46	25
	M10SM010	23'	ROUSTABOUT, TRI HULL CAPACITY 3600 LBS	195 HP G	21,398	20.31	1.18	1.52	0.42	13.46	29
0.52	251 THRU 300 HP										
		SEAARK MARINE									
	M10SM011	2008-B	TRANSPORTER SERIES, 20'3" LONG, HULL: FLAT OR 5 DEGREE VEE CAPACITY 3500 LBS	200 HP G	31,818	22.49	1.75	2.25	0.62	13.80	34
	M10SM012	2408-B	TRANSPORTER SERIES, 24'3" LONG, HULL: FLAT OR 5 DEGREE VEE CAPACITY 4000 LBS	250 HP G	38,645	27.94	2.12	2.74	0.75	17.25	41
	M10SM013	2308-C	SURVEYOR SERIES, 22'10" LONG, HULL: FLAT OR 5 DEGREE VEE CAPACITY 4000 LBS	250 HP G	43,300	28.65	2.38	3.07	0.84	17.25	42
	M10SM016	2008-C	SURVEYOR SERIES, 20'4" LONG TRI HULL, CAPACITY 3500 LBS	200 HP G	45,662	24.59	2.51	3.23	0.89	13.80	28
0.53	301 THRU 500 HP										
		SEAARK MARINE									
	M10SM014	2608-C	SURVEYOR SERIES, 25'10" LONG, TRI HULL, CAPACITY 4500 LBS	300 HP G	45,617	32.53	2.26	2.77	0.87	20.70	37
	M10SM015	2610-C	SURVEYOR SERIES, 26'8" LONG, TRI HULL, CAPACITY 6000 LBS	400 HP G	71,630	44.81	3.55	4.35	1.37	27.60	58

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
P10	**PILE EXTRACTORS & LEADS**										
			INTERNATIONAL CONST. EQUIP. (I.C.E)								
	P10IC001	216	EXTRACTOR, LINE PULL 30 TON	155 HP D	80,226	26.24	6.23	8.69	1.88	4.69	130
	P10IC002	416L	EXTRACTOR, LINE PULL 40 TON	250 HP D	130,009	42.48	10.09	14.08	3.05	7.56	220
	P10IC003	612	EXTRACTOR, LINE PULL 40 TON	250 HP D	147,485	46.90	11.45	15.98	3.46	7.56	226
	P10IC004	812	EXTRACTOR, LINE PULL 50 TON	503 HP D	209,474	72.32	16.26	22.69	4.91	15.21	306
	P10IC005	1412	EXTRACTOR, LINE PULL 100 TON	650 HP D	339,805	110.91	26.38	36.81	7.97	19.66	391
			NO SPECIFIC MANUFACTURER								
	P10XX001		LEADS, 8" X 21", LENGTH 60'		12,608	4.19	0.99	1.37	0.30	0.00	57
	P10XX002		LEADS, 8" X 26", LENGTH 60'		15,306	5.87	1.19	1.66	0.36	0.00	78
	P10XX003		LEADS, 10" X 37", LENGTH 60'		25,414	9.42	1.98	2.75	0.60	0.00	135
P20	**PILE HAMMERS, DOUBLE ACTING**										
			INTERNATIONAL CONST. EQU1P. (I.C.E)								
	P20IC001	180	8,100 FT-LBS, MAXIMUM STROKE 4'9"	23 HP D	43,791	13.92	3.40	4.74	1.03	0.70	52
	P20IC002	440	18,100 FT-LBS, MAXIMUM STROKE 4'8"	50 HP D	69,240	22.53	5.37	7.50	1.62	1.51	122
	P20IC003	520	30,000 FT-LBS, MAXIMUM STROKE 5'11"	76 HP D	75,273	25.34	5.85	8.15	1.77	2.30	159
	P20IC004	640	40,000 FT-LBS, MAXIMUM STROKE 6'8"	90 HP D	79,577	27.17	6.18	8.62	1.87	2.72	169
	P20IC005	660	50,000 FT-LBS, MAXIMUM STROKE N/A	133 HP D	110,641	38.08	8.60	11.99	2.60	4.02	285
	P20IC006	1070	70,000 FT-LBS, MAXIMUM STROKE 7'0"	136 HP D	124,449	42.29	9.66	13.48	2.92	4.11	255
			MKT GEOTECHNICAL								
	P20MK001	DA-15C	9,350 FT-LBS,MAXIMUM STROKE 10'-6" DIESEL, (FUEL NOT INCLUDED)		50,353	15.30	3.91	5.45	1.18	0.00	60
	P20MK002	5	1,000 FT-LBS,MAXIMUM STROKE 7" (ADD COMPRESSOR)	250 CFM A	15,516	4.86	1.20	1.68	0.36	0.00	17
	P20MK003	6	2,500 FT-LBS,MAXIMUM STROKE 8-3/4" (ADD COMPRESSOR)	400 CFM A	19,615	6.17	1.52	2.12	0.46	0.00	31
	P20MK004	7	4,150 FT-LBS,MAXIMUM STROKE 9-1/2" (ADD COMPRESSOR)	450 CFM A	24,390	7.70	1.89	2.64	0.57	0.00	42

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	P20MK005	9B3	8,750 FT-LBS,MAXIMUM STROKE 17" (ADD COMPRESSOR)	600 CFM A	43,300	13.40	3.37	4.69	1.02	0.00	74
	P20MK006	10B3	13,100 FT-LBS,MAXIMUM STROKE 19" (ADD COMPRESSOR)	750 CFM A	44,795	13.99	3.48	4.85	1.05	0.00	114
	P20MK007	11B3	19,150 FT-LBS,MAXIMUM STROKE 19" (ADD COMPRESSOR)	900 CFM A	51,448	15.97	4.00	5.57	1.21	0.00	141
		VULCAN									
	P20VU001	50C	15,100 FT-LBS,MAXIMUM STROKE 15'-6" (ADD COMPRESSOR)	1,250 CFM A	55,577	17.22	4.31	6.02	1.30	0.00	153
	P20VU002	65CA	19,200 FT-LBS,MAXIMUM STROKE 15'-6" (ADD COMPRESSOR)	1,450 CFM A	63,676	19.75	4.94	6.90	1.49	0.00	153
	P20VU003	80C	24,450 FT-LBS,MAXIMUM STROKE 16'-6" (ADD COMPRESSOR)	1,750 CFM A	68,343	21.28	5.30	7.40	1.60	0.00	184
	P20VU004	100C	32,900 FT-LBS,MAXIMUM STROKE N/A" (ADD COMPRESSOR)	2,050 CFM A	83,726	26.03	6.50	9.07	1.96	0.00	232
	P20VU005	140C	36,000 FT-LBS,MAXIMUM STROKE 15'-6" (ADD COMPRESSOR)	2,150 CFM A	103,667	32.02	8.05	11.23	2.43	0.00	287
	P20VU006	200C	50,200 FT-LBS,MAXIMUM STROKE 15'-6" (ADD COMPRESSOR)	2,550 CFM A	150,201	46.09	11.66	16.27	3.52	0.00	398
P25	**PILE HAMMERS, SINGLE ACTING**										
		MKT GEOTECHNICAL									
	P25MK001	DE-33/30/20B	28,050 FT-LBS,MAXIMUM STROKE 10'-6" DIESEL, (FUEL NOT INCLUDED)		55,443	15.99	4.31	6.01	1.30	0.00	78
	P25MK002	DA-35C	21,050 FT-LBS,MAXIMUM STROKE 10'-6" DIESEL, (FUEL NOT INCLUDED)		63,461	18.44	4.93	6.87	1.49	0.00	113
	P25MK003	DE-70B/50B	42,000 FT-LBS,MAXIMUM STROKE 10'-9" DIESEL, (FUEL NOT INCLUDED)		87,438	25.32	6.79	9.47	2.05	0.00	140
		VULCAN									
	P25VU001	1	15,000 FT-LBS (ADD COMPRESSOR)	750 CFM A	41,094	12.06	3.19	4.45	0.96	0.00	101
	P25VU002	06	19,500 FT-LBS (ADD COMPRESSOR)	900 CFM A	48,632	14.26	3.78	5.27	1.14	0.00	121
	P25VU003	08	26,000 FT-LBS (ADD COMPRESSOR)	1,100 CFM A	58,747	17.21	4.56	6.36	1.38	0.00	175
	P25VU004	010	32,900 FT-LBS (ADD COMPRESSOR)	1,350 CFM A	62,097	18.31	4.83	6.73	1.46	0.00	195

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	P25VU005	012	39,000 FT-LBS (ADD COMPRESSOR)	1,500 CFM A	70,059	20.45	5.44	7.59	1.64	0.00	215
	P25VU006	014	42,000 FT-LBS (ADD COMPRESSOR)	1,750 CFM A	85,211	25.03	6.62	9.23	2.00	0.00	283
	P25VU007	016	48,750 FT-LBS (ADD COMPRESSOR)	1,750 CFM A	96,612	28.26	7.51	10.47	2.27	0.00	320
	P25VU008	020	60,000 FT-LBS (ADD COMPRESSOR)	2,150 CFM A	125,898	36.75	9.77	13.64	2.95	0.00	425
	P25VU009	030	90,000 FT-LBS (ADD COMPRESSOR)	2,350 CFM A	143,070	41.72	11.11	15.50	3.36	0.00	575
P30	**PILE HAMMERS, VIBRATORY**										
			H&M VIBRO, INC								
	P30HM001	H-75A	VIBRATORY DRIVER/EXTRACTOR PILE DRIVER, ADD 20-TON RT CRANE	75 HP D	70,042	22.69	5.44	7.59	1.64	2.27	40
			MKT GEOTECHNICAL								
	P30MK001	V-5B	MAXIMUM DRIVING FORCE 40 TON	113 HP D	81,814	27.49	6.35	8.86	1.92	3.42	108
	P30MK002	V-17	MAXIMUM DRIVING FORCE 80 TON	280 HP D	157,673	55.39	12.24	17.08	3.70	8.47	211
	P30MK003	V-20	MAXIMUM DRIVING FORCE 116 TON	350 HP D	190,312	67.32	14.77	20.62	4.46	10.58	239
	P30MK004	V-30	MAXIMUM DRIVING FORCE 160 TON	550 HP D	249,090	91.65	19.33	26.98	5.84	16.63	345
	P30MK005	V-36	MAXIMUM DRIVING FORCE 182 TON	650 HP D	277,868	103.66	21.57	30.10	6.52	19.66	440
P35	**PIPELAYERS**										
			CATERPILLAR								
	P35CA002	571G	18 FT BOOM, 60,000 LB CAP	200 HP D	247,864	45.24	12.89	15.49	5.14	3.36	504
	P35CA003	572G	18 FT BOOM, 90,000 LB CAP	200 HP D	283,525	51.10	14.74	17.72	5.88	3.36	605
	P35CA005	578	PIPELAYER, 20'BOOM, 155,000LB CAP	300 HP D	392,688	71.28	20.41	24.54	8.14	5.04	1,019
	P35CA006	589	PIPELAYER, 25'BOOM, 230,000LB CAP	420 HP D	542,026	98.54	28.18	33.88	11.24	7.06	1,450

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
P40 PLATFORMS, AERIAL WORK											
		GROVE									
	P40GV001	SM3270	SCISSOR, M-LIFT, 26'HIGH, 1500# CAP	23 HP G	30,841	8.31	2.15	2.99	0.65	1.23	65
	P40GV002	SM31RT	SCISSOR, M-LIFT, 25'HIGH, 2000# CAP	30 HP G	34,182	9.54	2.37	3.29	0.72	1.61	57
	P40GV003	SM42RT	SCISSOR, M-LIFT, 36'HIGH, 1500# CAP	30 HP G	43,321	11.52	3.01	4.20	0.91	1.61	75
	P40GV004	MZ48B	BOOM, M-LIFT, 42' HIGH, 600# CAP	30 HP G	70,003	17.90	4.92	6.90	1.47	1.61	115
	P40GV005	MZ66A	BOOM, M-LIFT, 60'HIGH, 750# CAP	62 HP G	104,769	28.13	7.00	9.60	2.20	3.32	297
	P40GV006	MZ76	BOOM, M-LIFT, 70'HIGH, 600# CAP	62 HP G	127,829	32.93	8.71	12.05	2.68	3.32	360
	P40GV007	MZ90	BOOM, M-LIFT, 84'HIGH, 600# CAP	62 HP G	153,519	38.48	10.57	14.69	3.22	3.32	417
	P40GV008	MZ116B	BOOM, M-LIFT, 110'HIGH, 700# CAP	62 HP G	216,988	52.38	15.07	21.04	4.55	3.32	430
	P40GV009	AMZ40XT	ART BOOM,M-LIFT,34.5'H,600# CAP,4WD	20 HP G	49,641	12.80	3.49	4.89	1.04	1.07	110
	P40GV010	AMZ50XT	ART BOOM,M-LIFT,43.5'H,600# CAP,4WD	33 HP G	60,192	15.99	4.24	5.95	1.26	1.77	157
	P40GV011	AMZ66XT	ART BOOM,M-LIFT,60'H,600# CAP,4WD	53 HP G	109,762	28.25	7.66	10.71	2.30	2.84	233
		REACH ALL									
	P40RE001	AP41MH	LINE TRUCK WITH AERIAL PLATFORM	165 HP G	70,113	27.08	4.93	6.92	1.47	8.84	160
P45 PUMPS, GROUT											
		CHEMGROUT									
	P45CG001	CG-050	GROUT PUMP,PORTABLE, 5 GPM, 100 PSI (ADD AIR COMPRESSOR)	15 CFM A	2,947	0.76	0.22	0.31	0.06	0.00	1
	P45CG002	CG-550	GROUT PLANT/MIXER, 5 GPM, 100 PSI (ADD AIR COMPRESSOR)	85 CFM A	5,179	1.36	0.39	0.55	0.11	0.00	3
	P45CG003	CG-500	GROUT PLANT, 1-20 GPM, 100 PSI (ADD AIR COMPRESSOR)	230 CFM A	13,733	3.47	1.01	1.46	0.28	0.00	11
	P45CG004	CG-600	COLLOIDAL PUMP/MIXER,20 GPM,100 PSI (ADD AIR COMPRESSOR)	450 CFM A	24,765	6.30	1.82	2.63	0.50	0.00	18
	P45CG005	CG-625	COLLOIDAL GROUT PUMP, 1.5 - 16 GPM (TRAILER MOUNTED)	22 HP D	26,652	7.67	1.95	2.81	0.54	0.98	26

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
P50	**PUMPS, WATER, CENTRIFUGAL, TRASH**										
	0.10 SKID MOUNTED										
	0.11 ENGINE DRIVE										
		HOMELITE									
	P50HO001	121TP2	2" - 10,400 GPH AT 25' HEAD, TRASH	5 HP G	1,166	0.87	0.09	0.11	0.03	0.48	1
	P50HO002	RDTP2	2" - 10,400 GPH AT 25' HEAD, TRASH	6 HP D	1,920	0.75	0.13	0.18	0.04	0.25	1
	P50HO003	120TP3	3" - 19,680 GPH AT 25' HEAD, TRASH	8 HP G	1,402	1.29	0.10	0.13	0.03	0.77	2
	P50HO004	RDTP3	3" - 19,680 GPH AT 25' HEAD, TRASH	8 HP D	2,992	1.10	0.20	0.28	0.06	0.34	2
	P50HO005	160TP4	4" - 39,720 GPH AT 25' HEAD, TRASH	16 HP G	3,056	2.64	0.22	0.29	0.07	1.53	4
		WACKER									
	P50WC001	PT 2R	2" DIA TRASH PUMP, 235GPM AT 100'HD	5 HP G	1,109	0.85	0.07	0.10	0.02	0.48	1
	P50WC002	PT 3R	3" DIA TRASH PUMP, 440GPM AT 95'HD	8 HP G	1,355	1.28	0.10	0.13	0.03	0.77	2
	P50WC003	PT 4H	4" DIA TRASH PUMP, 625GPM AT 87'HD	12 HP D	5,549	1.89	0.38	0.52	0.12	0.50	6
	P50WC004	PT 6DT	6" DIA TRASH PUMP,1300GPM AT 100'HD	35 HP D	12,796	4.77	0.88	1.20	0.28	1.47	22
P55	**PUMPS, WATER, SUBMERSIBLE**										
	0.01 ENGINE DRIVE										
		GRIFFIN DEWATERING									
	P55GF001	NBH	4 INCH JET PUMP, SKID MOUNTED INCLUDES POWER UNIT	22 HP D	9,345	2.99	0.55	0.70	0.20	0.92	11
	P55GF002	MH	6 INCH JET PUMP, SKID MOUNTED INCLUDES POWER UNIT	22 HP D	12,107	3.52	0.72	0.91	0.26	0.92	12

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	ADJUSTABLE ELEMENTS OWNERSHIP FUEL	CWT
	0.02	ELECTRIC DRIVE									
		GORMAN-RUPP									
	P55GR001	S2A1	2" - 138 GPM AT 20' HEAD	2 HP E	1,944	0.55	0.12	0.15	0.04	0.18	2
	P55GR002	S3A1	3" - 278 GPM AT 20' HEAD	5 HP E	2,646	1.04	0.16	0.20	0.06	0.45	3
	P55GR003	S4A1	4" - 860 GPM AT 40' HEAD	25 HP E	10,628	4.74	0.62	0.80	0.22	2.25	12
	P55GR004	S6A1	6" - 1,950 GPM AT 40' HEAD	60 HP E	13,512	9.55	0.79	1.01	0.28	5.40	14
		MARLOW									
	P55ML001	2S11	2" - 84 GPM AT 20' HEAD	1 HP E	1,438	0.35	0.09	0.11	0.03	0.09	1
	P55ML002	3S22	3" - 190 GPM AT 20' HEAD	2 HP E	2,046	0.55	0.12	0.15	0.04	0.18	1
	P55ML003	4S83	4" - 550 GPM AT 25' HEAD	8 HP E	2,795	1.42	0.17	0.21	0.06	0.72	1
		WACKER									
	P55WC001	STP 2500	3" - 485 GPM AT 55' HEAD	3 HP E	3,031	1.13	0.18	0.23	0.06	0.27	1
	P55WC002	STP 4500	4" - 350 GPM AT 85' HEAD	6 HP E	3,612	1.65	0.22	0.27	0.08	0.54	1
	P55WC003	STP 8000	4" - 975 GPM AT 110' HEAD	11 HP E	3,826	2.33	0.23	0.29	0.08	0.99	2
P60	PUMPS, WATER,CENTRIF,DEWATERING										
	0.10	SKID MOUNTED									
	0.11	ENGINE DRIVE									
		HOMELITE									
	P60HO001	111S1.5	1-1/2" - 5,500 GPH AT 30' HEAD	3 HP G	526	0.48	0.04	0.05	0.01	0.29	1
	P60HO002	111S2	2" - 9,000 GPH AT 22' HEAD	3 HP G	724	0.54	0.06	0.07	0.02	0.29	1
	P60HO003	120S3	3" -17,600 GPH AT 20' HEAD	8 HP G	1,248	1.26	0.09	0.12	0.03	0.77	1

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		MARLOW									
	P60ML001	4D2	465 GPM AT 40' HEAD	38 HP G	10,789	7.01	0.74	1.01	0.23	3.64	13
	P60ML002	4C7	500 GPM AT 100' HEAD	30 HP D	11,511	4.21	0.79	1.08	0.25	1.26	10
	P60ML003	6E4P	1100 GPM AT 40' HEAD	79 HP G	16,254	13.24	1.11	1.52	0.35	7.57	19
	P60ML004	6E4P	1100 GPM AT 40' HEAD	60 HP D	20,976	7.95	1.44	1.97	0.45	2.52	24
	P60ML005	8FB3-1	2320 GPM AT 20' HEAD	70 HP D	27,059	9.84	1.85	2.54	0.58	2.94	29
	P60ML006	10FA61-1	2320 GPM AT 20' HEAD	68 HP D	28,060	9.95	1.93	2.63	0.61	2.86	34
	0.20 WHEEL MOUNTED										
	0.21 ENGINE DRIVE										
		GRIFFIN DEWATERING									
	P60GF003	250/4"M	POWER UNIT, 485 GPM AT 60' 4 INCH PUMP	32 HP D	14,972	5.06	1.01	1.38	0.32	1.34	19
	P60GF004	400/8"T	POWER UNIT, 1770 GPM AT 60' 8 INCH PUMP	61 HP D	20,864	7.99	1.42	1.93	0.45	2.56	31
	P60GF005	600/10"T	POWER UNIT, 3410 GPM AT 60' 10 INCH PUMP	83 HP D	24,715	10.06	1.68	2.29	0.53	3.49	34
	P60GF006	800/12"T	POWER UNIT, 4410 GPM AT 60' 12 INCH PUMP	110 HP D	27,044	12.07	1.83	2.50	0.58	4.62	40
	P60GF007	800/24"A	POWER UNIT, 14500 GPM AT 15' 24 INCH PUMP	110 HP D	29,391	12.59	1.99	2.72	0.63	4.62	40
P65	PUMPS, WATER, DIAPHRAGM										
	0.10 SKID MOUNTED										
	0.11 ENGINE DRIVE										
		HOMELITE									
	P65HO001	111DP2	2" - 2,000 GPH AT 25' HEAD	3 HP G	1,126	0.62	0.08	0.11	0.02	0.29	1
	P65HO002	111DP3	3" - 4,800 GPH AT 25' HEAD	3 HP G	1,352	0.67	0.10	0.13	0.03	0.29	2

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
P70 PUMPS, WATER (FOR CORE DRILLS)										
0.01	ENGINE DRIVE									
		ACKER DRILL								
	P70AD001	APS 11-5	6 GPM, UP TO 100 PSI 2 HP G	1,034	0.46	0.07	0.10	0.02	0.19	2
R10 RIPPERS & HYDRAULIC BANK SLOPERS (does not include cost of point wear)										
		CATERPILLAR								
	R10CA001	D-3	RIPPER,THREE- SHANK, W/HYD-CONTROL	3,370	0.84	0.24	0.34	0.07	0.00	7
	R10CA002	D-3	RIPPER,SHANKS, EACH	184	0.04	0.01	0.02	0.00	0.00	1
	R10CA003	D-4	RIPPER,SINGLE-SHANK, W/HYD-CONTROL	6,937	1.64	0.50	0.69	0.15	0.00	12
	R10CA004	D-4	RIPPER,SHANKS, EACH	372	0.09	0.03	0.04	0.01	0.00	1
	R10CA005	D-5	RIPPER,SINGLE-SHANK, W/HYD-CONTROL	11,073	2.57	0.79	1.11	0.23	0.00	17
	R10CA006	D-5	RIPPER,SHANKS, EACH	739	0.17	0.06	0.07	0.02	0.00	2
	R10CA007	D-6	RIPPER,MULTI-SHANK, W/HYD-CONTROL	13,986	3.23	0.99	1.40	0.29	0.00	35
	R10CA008	D-6	RIPPER,SHANKS, EACH	739	0.17	0.06	0.07	0.02	0.00	2
	R10CA009	D-7	RIPPER,MULTI-SHANK, W/HYD-CONTROL	23,045	5.26	1.63	2.30	0.48	0.00	65
	R10CA010	D-7	RIPPER,SHANKS, EACH	1,264	0.29	0.10	0.13	0.03	0.00	3
	R10CA011	D-8	RIPPER,SINGLE-SHANK,W/HYD-CNTL&SHNK	40,748	9.26	2.89	4.07	0.85	0.00	101
	R10CA012	D-8	RIPPER,MULTI-SHANK, W/HYD-CONTROL	40,776	9.28	2.89	4.08	0.85	0.00	104
	R10CA013	D-8	RIPPER,SHANKS, EACH	2,444	0.54	0.17	0.24	0.05	0.00	7
	R10CA014	D-9	RIPPER,SINGLE-SHANK,W/HYD-CNTL&SHNK	43,879	10.04	3.12	4.39	0.92	0.00	100
	R10CA015	D-9	RIPPER,MULTI-SHANK, W/HYD-CONTROL	41,628	9.52	2.95	4.16	0.87	0.00	108
	R10CA016	D-9	RIPPER, SHANKS, EACH	2,620	0.58	0.18	0.26	0.05	0.00	8
	R10CA017	D-10	RIPPER, SINGLE-SHANK	61,647	14.08	4.37	6.16	1.29	0.00	147
	R10CA018	D-10	RIPPER, MULTI-SHANK	62,819	14.36	4.46	6.28	1.32	0.00	150
	R10CA019	D-10	RIPPER, SHANKS, EACH	4,305	0.97	0.31	0.43	0.09	0.00	11
	R10CA020	D-11N	RIPPER, SINGLE-SHANK	82,444	18.78	5.85	8.24	1.73	0.00	191
	R10CA021	D-11N	RIPPER, MULTI-SHANK	77,592	17.72	5.51	7.76	1.63	0.00	206
	R10CA022	D-11N	RIPPER, SHANKS, EACH	4,833	1.08	0.34	0.48	0.10	0.00	15

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		FIATALLIS									
	R10FI001	FD20	RIPPER, MULTI-SHANK (3), REAR		22,300	5.11	1.59	2.23	0.47	0.00	88
	R10FI002	FD30	RIPPER, MULTI-SHANK (3), REAR		37,191	8.47	2.64	3.72	0.78	0.00	108
	R10FI003	FD30B	RIPPER, MULTI-SHANK (3), HYD PITCH		46,610	10.59	3.31	4.66	0.98	0.00	108
	R10FI004	FD40	RIPPER, MULTI-SHANK, HYD PITCH		46,692	10.71	3.32	4.67	0.98	0.00	200
	R10FI005	FD40B	RIPPER, MULTI-SHANK, HYD PITCH		59,506	13.60	4.23	5.95	1.25	0.00	200
	R10FI006	FD50	RIPPER, MULTI-SHANK, HYD PITCH		57,706	13.27	4.10	5.77	1.21	0.00	280
R15	**ROLLERS, TOWED - PNEUMATIC**										
		SOUTHWEST									
	R15SO001	C-50	60 TON CAPACITY, STATIC		110,267	18.52	5.83	7.16	2.25	0.00	309
	R15SO002	C-75	75 TON CAPACITY, STATIC		121,587	20.47	5.88	6.80	2.48	0.00	347
	R15SO003	C-100XL	100 TON CAPACITY, STATIC		170,484	28.69	8.84	10.71	3.48	0.00	551
R30	**ROLLERS, STATIC, SELF-PROPELLED**										
	0.01	PNEUMATIC									
		BOMAG									
	R30BO001	BW12R	68.3" WIDE, 9 TIRES, HYDROSTATIC	73 HP D	42,734	11.37	2.94	4.07	0.90	2.21	90
	R30BO002	BW16R	78.2" WIDE, 8 TIRES, HYDROSTATIC	103 HP D	91,558	22.38	6.28	8.71	1.92	3.11	165
	R30BO003	BW20R	78.2" WIDE, 8 TIRES, HYDROSTATIC	103 HP D	101,268	24.32	6.96	9.68	2.12	3.11	254
		CATERPILLAR									
	R30CA001	PS-110	84" WIDE, 11 TIRES	77 HP D	57,399	14.71	3.86	5.32	1.20	2.33	83
	R30CA002	PS-180	68" WIDE, 9 TIRES	77 HP D	58,377	14.83	3.97	5.50	1.22	2.33	95
	R30CA008	PS-130	ROLLER, SELF-P, 68" WIDE, 9 TIRES	77 HP D	54,420	14.03	3.69	5.10	1.14	2.33	81

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		FERGUSON									
	R30FR001	SP-912	12 TON, 9 TIRES	80 HP D	46,273	12.42	3.12	4.29	0.97	2.42	88
	R30FR002	SP-915	15 TON, 9 TIRES	80 HP D	51,319	13.43	3.48	4.79	1.08	2.42	121
	R30FR003	SP-1118	18 TON, 11 TIRES, HYDROSTATIC	118 HP D	59,953	16.62	4.05	5.58	1.26	3.57	110
	R30FR004	SP-1130	30 TON, 11 TIRES, HYDROSTATIC	121 HP D	99,629	24.73	6.81	9.44	2.09	3.66	228
		HYSTER									
	R30HY001	C530A	10-12.5 TON, 9 TIRES, POWERSHIFT	81 HP D	50,363	13.27	3.41	4.70	1.06	2.45	80
		INGRAM									
	R30IG001	9-2800-PB	12 TON, 9 TIRES, HYDROSTATIC	76 HP D	38,132	10.64	2.54	3.47	0.80	2.30	91
	R30IG002	9-3400-PB	15 TON, 9 TIRES, HYDROSTATIC	76 HP D	45,538	12.11	3.06	4.21	0.95	2.30	110
		INGERSOLL-RAND									
	R30IN001	PT-120R	13.5 TON, 9 TIRES, HYDROSTATIC	76 HP D	49,741	12.89	3.43	4.77	1.04	2.30	97
	R30IN002	PT-140A	14.0 TON, 9 TIRES, HYDROSTATIC	87 HP D	60,683	15.47	4.20	5.86	1.27	2.63	145
0.02	SMOOTH DRUM										
		FERGUSON									
	R30FR005	35A	3-5 TON, TANDEM, HYDROSTATIC	50 HP D	33,888	7.68	2.05	2.71	0.69	1.51	83
	R30FR006	46A	4-6 TON, TANDEM, HYDROSTATIC	60 HP D	40,252	9.14	2.43	3.22	0.82	1.81	95
	R30FR007	5-8B	5-8 TON, TANDEM, HYDROSTATIC	80 HP D	60,846	13.43	3.68	4.87	1.24	2.42	131
	R30FR008	8-10.5B	8-10 TON, TANDEM, HYDROSTATIC	80 HP D	63,412	13.88	3.84	5.07	1.30	2.42	162
	R30FR009	8-12B	8-12 TON, TANDEM, HYDROSTATIC	80 HP D	66,477	14.41	4.02	5.32	1.36	2.42	171
	R30FR010	10-14B	10-14 TON, TANDEM, HYDROSTATIC	80 HP D	69,131	14.86	4.18	5.53	1.41	2.42	203
		HYSTER									
	R30HY002	C330B	3-5 TON, TANDEM	48 HP D	38,264	8.35	2.31	3.06	0.78	1.45	86
	R30HY003	C330B	4-6 TON, TANDEM	48 HP D	45,330	9.58	2.75	3.63	0.93	1.45	96
	R30HY004	C340C	5-8 TON, TANDEM	80 HP D	55,507	12.51	3.35	4.44	1.13	2.42	140
	R30HY005	C340C	8-10 TON, TANDEM	80 HP D	59,148	13.14	3.58	4.73	1.21	2.42	162

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	R30HY006	C350D	8-12 TON, TANDEM	80 HP D	66,037	14.33	3.99	5.28	1.35	2.42	173
	R30HY007	C350D	10-14 TON, TANDEM	80 HP D	69,639	14.95	4.21	5.57	1.42	2.42	215
		INTERNATIONAL/DRESSER									
	R30ID001	S3-5B	3-5 TON, TANDEM	44 HP D	38,627	8.28	2.34	3.09	0.79	1.33	78
	R30ID002	S4-6B	4-6 TON, TANDEM	44 HP D	46,613	9.66	2.82	3.73	0.95	1.33	90
	R30ID003	708	5-8 TON, TANDEM	87 HP D	62,046	13.89	3.75	4.96	1.27	2.63	133
	R30ID004	710	8-10 TON, TANDEM	87 HP D	65,929	14.56	3.99	5.27	1.35	2.63	170
	R30ID005	712	8-12 TON, TANDEM	87 HP D	70,069	15.28	4.24	5.61	1.43	2.63	176
	R30ID006	714	10-14 TON, TANDEM	87 HP D	74,227	16.00	4.49	5.94	1.52	2.63	222
		INGRAM									
	R30IG007	10-15T AE	10-15 TON, 3 WHEEL, ARTICULATED	76 HP D	59,752	13.09	3.61	4.78	1.22	2.30	197
	R30IG008	12T EB	12 TON, 3 WHEEL, 3" OVERLAP	76 HP D	60,539	13.23	3.66	4.84	1.24	2.30	195
	R30IG009	14T EB	14 TON, 3 WHEEL, 3" OVERLAP	76 HP D	64,771	13.96	3.91	5.18	1.32	2.30	215
	R30IG010	4-6T FB	4-6 TON, TANDEM	54 HP G	30,052	9.69	1.81	2.40	0.61	3.73	82
	R30IG011	5-6.5T FB	5-6.5 TON, TANDEM, PORTABLE	58 HP G	38,491	11.49	2.33	3.08	0.79	4.00	97
	R30IG012	6-9T GB	6-9 TON, TANDEM	80 HP D	47,824	11.19	2.90	3.83	0.98	2.42	133
	R30IG013	8-10T GB	8-10 TON, TANDEM	85 HP D	50,410	11.81	3.05	4.03	1.03	2.57	173
	R30IG014	8-12T HB	8-12 TON, TANDEM	80 HP D	55,553	12.52	3.36	4.44	1.14	2.42	172
	R30IG015	10-14T HB	10-14 TON, TANDEM	80 HP D	58,582	13.05	3.55	4.69	1.20	2.42	204
		ROSCO									
	R30RS001	DLX ROLLPAC III	1 TON, TANDEM, 34" WIDE	14 HP G	7,056	2.38	0.42	0.56	0.14	0.97	14
	R30RS002	STAPAC III	2 TON, TANDEM, 40" WIDE	18 HP G	9,862	3.20	0.60	0.79	0.20	1.24	23
0.03	TAMPING FOOT										
		CATERPILLAR									
	R30CA003	815B	LANDFILL COMPACTOR, 56"DIA X 38.5"L TAMPING FOOT, WITHOUT BLADE	210 HP D	207,007	43.42	12.51	16.56	4.23	6.35	420
	R30CA004	816B	LANDFILL COMPACTOR, 63"D X 40"L CHOPPER WHEELS, WITH STRAIGHT BLADE	210 HP D	205,632	43.18	12.43	16.45	4.20	6.35	451
	R30CA005	825C	LANDFILL COMPACTOR, 51" DIA X 44" L TAMPING FOOT, WITHOUT BLADE	310 HP D	309,354	64.74	18.70	24.75	6.32	9.37	654

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	R30CA006	825C	LANDFILL COMPACTOR, 51" DIA X 44" L TAMPING FOOT, WITH STRAIGHT BLADE	310 HP D	323,890	67.24	19.58	25.91	6.62	9.37	706
	R30CA007	826C	LANDFILL COMPACTOR, 60"D X 48"L CHOPPER WHEELS, WITH STRAIGHT BLADE	310 HP D	326,608	67.71	19.74	26.13	6.67	9.37	690
R40	**ROLLERS, VIBRATORY, TOWED**										
		SOUTHWEST									
	R40SO001	566 SHEEPSFOOT	72" WIDE X 56" DIA., 25.5 TON	50 HP D	87,247	21.10	6.19	8.72	1.83	2.10	165
	R40SO002	756 SHEEPSFOOT	78" WIDE X 66" DIA., 23.5 TON	75 HP D	113,733	28.04	8.07	11.37	2.38	3.15	169
R45	**ROLLERS, VIBRATORY, DOUBLE DRUM,**										
		BOMAG									
	R45BO001	BW120AD	47.2" WIDE X 26.6" DIA.,HYDROSTATIC	35 HP D	34,532	10.34	2.45	3.45	0.72	1.47	51
	R45BO002	BW141AD	55.9" WIDE X 41.3" DIA.,HYDROSTATIC	70 HP D	83,183	24.15	5.90	8.32	1.74	2.94	136
	R45BO003	BW151AD	66.1" WIDE X 41.4" DIA.,HYDROSTATIC	74 HP D	87,542	25.43	6.21	8.75	1.83	3.11	146
	R45BO004	BW161AD	66.0" WIDE X 47" DIA.,HYDROSTATIC	102 HP D	98,356	29.58	6.98	9.84	2.06	4.28	188
	R45BO005	BW202AD	80.0" WIDE X 48" DIA.,HYDROSTATIC	102 HP D	103,754	30.90	7.36	10.38	2.17	4.28	209
		CATERPILLAR									
	R45CA001	CB-214B	39.4" WIDE X 27.5" DIAMETER	33 HP D	29,688	9.05	2.11	2.97	0.62	1.39	51
	R45CA002	CB-244B	47.2" WIDE X 27.5" DIAMETER	33 HP D	35,187	10.41	2.50	3.52	0.74	1.39	54
	R45CA005	CB-434	56" WIDE X 43.5" DIAMETER	80 HP D	80,717	24.08	5.73	8.07	1.69	3.36	134
	R45CA007	CB-534	67" WIDE X 51" DIAMETER	125 HP D	103,141	31.98	7.32	10.31	2.16	5.25	201
	R45CA008	CB-614	78" WIDE X 54" DIAMETER	155 HP D	123,586	38.61	8.77	12.36	2.59	6.51	250
		DYNAPAC									
	R45DY001	CC101	42" WIDE X 26" DIA., TANDEM, 2 TON	31 HP D	40,074	11.48	2.85	4.01	0.84	1.30	53
	R45DY002	CC211	57" WIDE X 41" DIA., TANDEM, 7 TON	31 HP D	95,902	25.16	6.81	9.59	2.01	1.30	157
	R45DY003	CC421	66" WIDE X 48" DIA., TANDEM, 12 TON	123 HP D	120,539	36.15	8.56	12.05	2.53	5.17	224
	R45DY004	CC501	84" WIDE X 60" DIA., TANDEM, 18 TON	210 HP D	178,539	55.03	12.67	17.85	3.74	8.82	342

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		HYSTER									
	R45HY002	C766A	66" WIDE X 48" DIAMETER, TANDEM	102 HP D	98,640	29.64	7.00	9.86	2.07	4.28	200
		INTERNATIONAL/DRESSER									
	R45ID003	VOS2-66B	66"WIDE X 48" DIAMETER, HYDROSTATIC	120 HP D	110,107	33.43	7.82	11.01	2.31	5.04	174
		INGERSOLL-RAND									
	R45IN001	DD-23	39" WIDE X 28" DIAM., HYDROSTATIC	31 HP D	31,179	9.30	2.21	3.12	0.65	1.30	50
	R45IN002	DD-25	47" WIDE X 28" DIAM., HYDROSTATIC	31 HP D	35,127	10.27	2.50	3.51	0.74	1.30	56
	R45IN003	DD-35	40" WIDE X 30" DIAM., HYDROSTATIC	32 HP D	38,487	11.15	2.74	3.85	0.81	1.34	63
	R45IN004	DD-65	55" WIDE X 41" DIAM., HYDROSTATIC	72 HP D	90,673	26.08	6.44	9.07	1.90	3.02	135
	R45IN005	DD-90	66" WIDE X 48" DIAM., HYDROSTATIC	112 HP D	110,963	33.21	7.88	11.10	2.33	4.70	188
	R45IN006	DA-D50	75" WIDE X 50" DIAM., HYDROSTATIC	115 HP D	106,587	32.29	7.56	10.66	2.23	4.83	207
	R45IN007	DD-145	84" WIDE X 60" DIAM., HYDROSTATIC	156 HP D	146,828	44.36	10.42	14.68	3.08	6.55	310
		ROSCO									
	R45RS001	VIBRASTATT III	36" WIDE, 2 TON, TANDEM	18 HP G	11,135	4.92	0.79	1.11	0.23	1.72	28
	R45RS002	HYDRAPAC	46" WIDE, 2 TON, TANDEM,ARTICULATED	30 HP D	25,801	7.93	1.83	2.58	0.54	1.26	53
		TAMPO									
	R45TA001	RS-156A	56" WIDE X 42" DIA, HYDROSTATIC	78 HP D	83,628	24.68	5.93	8.36	1.75	3.28	145
	R45TA002	RS-166A	66" WIDE X 48" DIA, HYDROSTATIC	108 HP D	101,605	30.70	7.21	10.16	2.13	4.54	207
R50	ROLLERS, VIBRATORY, SINGLE DRUM										
		BOMAG									
	R50BO001	BW142D	56" WIDE X 42" DIA, HYDROSTATIC	51 HP D	63,386	17.64	4.46	6.25	1.33	2.14	100
	R50BO002	BW172D	66" WIDE X 48" DIA, HYDROSTATIC	71 HP D	72,034	20.73	5.06	7.09	1.51	2.98	122
	R50BO003	BW213D	83" WIDE X 59" DIA, HYDROSTATIC	119 HP D	106,983	31.60	7.46	10.43	2.24	5.00	241
	R50BO004	BW217D	84" WIDE X 63" DIA, HYDROSTATIC	167 HP D	116,613	36.42	8.14	11.39	2.44	7.01	389

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		CATERPILLAR									
	R50CA001	CS-323	48" WIDE X 38" DIAMETER	77 HP D	61,641	18.59	4.35	6.11	1.29	3.23	94
	R50CA002	CP-323 (PADS)	48" WIDE X 38" DIAMETER, PADFOOT	77 HP D	68,631	20.26	4.82	6.75	1.44	3.23	94
	R50CA003	CS-431B	66" WIDE X 48" DIAMETER	102 HP D	68,559	21.58	4.81	6.74	1.44	4.28	140
	R50CA004	CP-433B (PADS)	66" WIDE X 48" DIAMETER, PADFOOT	102 HP D	86,930	25.87	6.11	8.58	1.82	4.28	148
	R50CA005	CS-433B	66" WIDE X 48" DIAMETER	102 HP D	77,902	23.76	5.47	7.68	1.63	4.28	142
	R50CA006	CS-551	84" WIDE X 60" DIAMETER	155 HP D	90,860	29.73	6.32	8.84	1.90	6.51	230
	R50CA009	CS-563	84" WIDE X 60" DIAMETER	145 HP D	100,397	31.43	7.00	9.79	2.10	6.09	245
	R50CA010	CP-563 (PADS)	84" WIDE X 61" DIAMETER, PADFOOT	145 HP D	111,735	34.09	7.81	10.93	2.34	6.09	260
		DYNAPAC									
	R50DY001	CA-151D	66" WIDE X 48" DIA., 11 TON	98 HP D	90,188	26.43	6.35	8.91	1.89	4.12	142
	R50DY002	CA-151PD (PADS)	66" WIDE X 48" DIA., 13 TON,TAMP FT	98 HP D	102,961	29.41	7.27	10.21	2.16	4.12	153
	R50DY003	CA-251	84" WIDE X 48" DIA., 22 TON	151 HP D	109,822	33.98	7.65	10.70	2.30	6.34	212
	R50DY004	CA-251PD (PADS)	84" WIDE X 60" DIA., 22 TON,TAMP FT	151 HP D	130,552	38.81	9.15	12.81	2.74	6.34	247
	R50DY005	CA-301D	84" WIDE X 61" DIA., 22 TON	151 HP D	129,848	38.64	9.09	12.74	2.72	6.34	266
	R50DY006	CA511PD (PADS)	84" WIDE X 61" DIA., TANDEM, TF 22T	154 HP D	167,280	47.56	11.75	16.48	3.51	6.47	341
		HYSTER									
	R50HY005	C830B	66.5" WIDE X 48" DIAMETER	107 HP D	69,608	22.40	4.69	6.45	1.46	4.49	135
	R50HY007	C830B	66.5"WIDE X 48"DIAMETER, DRUM DRIVE	107 HP D	70,304	22.20	4.93	6.92	1.47	4.49	135
	R50HY008	C832B (PAD)	66.5"WIDE X 67"DIAMETER, DRUM DRIVE	107 HP D	86,545	25.99	6.08	8.54	1.81	4.49	150
	R50HY009	C850B	84" WIDE X 59" DIAMETER	145 HP D	105,425	32.64	7.35	10.27	2.21	6.09	208
	R50HY010	C850B	84" WIDE X 59" DIAMETER, DRUM DRIVE	145 HP D	105,425	32.48	7.35	10.27	2.21	6.09	208
	R50HY011	C860B	84" WIDE X 60" DIAMETER	145 HP D	110,049	33.73	7.68	10.74	2.31	6.09	243
	R50HY012	C852B (PAD)	84" WIDE X 67" DIAMETER	145 HP D	114,152	34.70	7.96	11.13	2.39	6.09	235
	R50HY013	C860B	84" WIDE X 60" DIAMETER, DRUM DRIVE	145 HP D	119,217	35.70	8.33	11.65	2.50	6.09	243
		INTERNATIONAL/DRESSER									
	R50ID001	VOS66A	66" WIDE X 48" DIA., GEN'L PURPOSE	80 HP D	80,448	23.19	5.66	7.93	1.69	3.36	129
	R50ID002	VOSD66A	66" WIDE X 48" DIA., DRUM DRIVE	80 HP D	87,971	24.89	6.18	8.68	1.84	3.36	131
	R50ID003	VOSA66A	66" WIDE X 48" DIA., ASPHALT	80 HP D	88,485	25.07	6.22	8.73	1.85	3.36	133
	R50ID004	VOSPD66A (PAD)	66" WIDE X 48" DIA., DRUM DRIVE	80 HP D	97,229	27.06	6.85	9.61	2.04	3.36	139
	R50ID005	VOS84A	84" WIDE X 60" DIA., GEN'L PURPOSE	120 HP D	94,215	28.57	6.62	9.29	1.97	5.04	209

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	R50ID006	VOSA84A	84" WIDE X 60" DIA., ASPHALT	120 HP D	103,375	30.78	7.23	10.11	2.17	5.04	215
	R50ID007	VOSD84A	84" WIDE X 60" DIA., DRUM DRIVE	120 HP D	104,395	30.87	7.34	10.30	2.19	5.04	215
	R50ID008	VOSPD84A (PAD)	84" WIDE X 60" DIA., DRUM DRIVE	120 HP D	111,026	32.43	7.82	10.97	2.33	5.04	209
		INGERSOLL-RAND									
	R50IN001	SD-40D	54" WIDE X 38" DIAM., HYDROSTATIC	76 HP D	61,988	18.64	4.36	6.11	1.30	3.19	96
		TAMPO									
	R50TA001	RS-16-HD	60" WIDE X 48" DIA, HYDROSTATIC	78 HP D	62,736	18.92	4.40	6.18	1.31	3.28	124
	R50TA002	RS-16A-HD	60" WIDE X 48" DIA, HYDROSTATIC	78 HP D	68,978	20.41	4.84	6.78	1.45	3.28	133
	R50TA003	RP-16D-HD (PADS)	60" WIDE X 48" DIA, HYDROSTATIC	78 HP D	71,825	21.05	5.05	7.09	1.50	3.28	136
	R50TA004	RS-58	84" WIDE X 60" DIA, HYDROSTATIC	132 HP D	95,078	29.51	6.61	9.24	1.99	5.54	208
	R50TA005	RS-58A	84" WIDE X 60" DIA, HYDROSTATIC	132 HP D	101,451	30.98	7.09	9.92	2.13	5.54	208
	R50TA006	RS-58D	84" WIDE X 60" DIA, HYDROSTATIC	132 HP D	100,039	30.67	6.97	9.73	2.10	5.54	222
	R50TA007	RP-58D (PADS)	84" WIDE X 60" DIA, HYDROSTATIC	132 HP D	104,851	31.80	7.31	10.22	2.20	5.54	234
R55	**ROOFING EQUIPMENT**										
		AEROIL PRODUCTS									
	R55AE001	EZ LOAD 240	KETTLE, 240 GAL.,WITH PUMP & COVER		6,812	2.43	0.61	0.94	0.14	0.00	17
	R55AE002	EZ LOAD 400	KETTLE, 400 GAL.,WITH PUMP & COVER		8,530	2.92	0.77	1.17	0.18	0.00	23
	R55AE003	EZ LOAD 600	KETTLE, 600 GAL.,WITH PUMP & COVER		11,210	3.92	1.00	1.51	0.24	0.00	38
	R55AE004	EZ LOAD 900	KETTLE, 900 GAL.,WITH PUMP & COVER		13,874	5.91	1.22	1.85	0.29	0.00	54
	R55AE005	MODEL 52	CONVEYOR, HYDRAULIC, 52' HEIGHT	23 HP G	21,709	7.97	1.98	3.04	0.46	1.47	39
	R55AE006	MODEL 62	CONVEYOR, HYDRAULIC, 62' HEIGHT	23 HP G	24,212	8.69	2.21	3.39	0.51	1.47	55
	R55AE007	MODEL 68	CONVEYOR, HYDRAULIC, 68' HEIGHT	23 HP G	27,179	9.54	2.49	3.81	0.58	1.47	58
	R55AE008	MODEL S	RHINO ROOF PEELER, 16" WIDE	8 HP G	3,905	1.73	0.36	0.55	0.08	0.51	4
	R55AE009	MARK I	ROOF CUTTER,SINGLE BLADE,3.75"DEPTH	9 HP G	1,422	1.09	0.13	0.20	0.03	0.57	2
	R55AE010	MARK II	ROOF CUTTER,DOUBLE BLADE,3.75"DEPTH	16 HP G	2,473	1.93	0.23	0.35	0.05	1.02	3
		GARLOCK									
	R55GL001	MODEL 115	KETTLE, 115 GAL.		2,155	1.12	0.19	0.28	0.05	0.00	9
	R55GL002	MODEL 175	KETTLE, 175 GAL. WITH PUMP		4,312	1.73	0.38	0.58	0.09	0.00	12
	R55GL003	MODEL 400	KETTLE, 400 GAL. WITH PUMP		6,002	2.47	0.54	0.82	0.13	0.00	24

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	R55GL004	MODEL 600	KETTLE, 600 GAL. WITH PUMP		7,429	2.86	0.67	1.01	0.16	0.00	32
	R55GL005	MODEL 62	CONVEYOR, HYDRAULIC, 62' HEIGHT	25 HP G	25,465	9.21	2.35	3.61	0.54	1.60	60
	R55GL006	MODEL 72	CONVEYOR, HYDRAULIC, 72' HEIGHT	25 HP G	30,589	10.67	2.82	4.33	0.65	1.60	70
	R55GL007	MODEL 1400	HOIST, HYDRAULIC SWING	18 HP G	8,163	3.72	0.75	1.16	0.17	1.15	7
	R55GL008	MODEL 86	POWER SWEEPER, 42" WIDTH	4 HP G	1,875	0.85	0.18	0.27	0.04	0.26	2
	R55GL009		ROTARY PLANER, 12" PATH	8 HP G	1,446	1.03	0.13	0.20	0.03	0.51	2
	R55GL010	MODEL 21	ROOF CUTTER, 21", DOUBLE SAW	16 HP G	2,397	1.91	0.22	0.34	0.05	1.02	3
	R55GL011	MODEL 30	ROOF CUTTER, 30", DOUBLE SAW	16 HP G	2,453	1.93	0.23	0.35	0.05	1.02	3
S10	**SCRAPERS, ELEVATING**										
	0.01	0 THRU 200 HP									
		CATERPILLAR									
	S10CA001	613-C	11 CY, 13 TON, POWERSHIFT	175 HP D	176,482	39.52	10.28	13.34	3.61	5.44	325
		INTERNATIONAL/DRESSER									
	S10ID001	412B	11 CY, POWERSHIFT	165 HP D	163,527	37.20	9.46	12.24	3.34	5.13	335
		JOHN DEERE									
	S10JD001	762B	11 CY, 13.7 TON, POWERSHIFT	180 HP D	164,890	38.28	9.49	12.23	3.37	5.59	371
	0.02	OVER 200 HP									
		CATERPILLAR									
	S10CA002	615-C	16 CY, 19 TON, POWERSHIFT	265 HP D	265,614	58.68	15.81	21.09	5.26	8.24	514
	S10CA003	623-E	22 CY, 25 TON, POWERSHIFT	365 HP D	384,227	84.93	22.72	30.24	7.60	11.34	743
		FIATALLIS									
	S10FI002	261B	23 CY, 26.5 TON, POWERSHIFT	330 HP D	409,827	86.43	24.55	32.88	8.11	10.26	635

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		JOHN DEERE									
	S10JD002	862B	16 CY, 20.0 TON, POWERSHIFT	265 HP D	234,445	53.43	13.88	18.48	4.64	8.24	482
S15	**SCRAPERS, CONVENTIONAL**										
		CATERPILLAR									
	S15CA001	621-E	14-20 CY, 24 TON, POWERSHIFT	330 HP D	335,279	74.06	19.68	26.08	6.64	9.15	670
	S15CA002	631-E	21-31 CY, 37.5 TON, POWERSHIFT	450 HP D	531,560	114.36	31.28	41.51	10.52	12.47	948
	S15CA003	651-E	32-44 CY, 52 TON, POWERSHIFT	550 HP D	693,464	147.10	40.93	54.42	13.72	15.25	1,328
		FIATALLIS									
	S15F1001	260B	15-21 CY, 25 TON, POWERSHIFT	330 HP D	363,502	76.78	21.77	29.15	7.19	9.15	583
		TEREX									
	S15TE001	S24C	24-34 CY, 40.8 TON	480 HP D	512,407	113.08	29.94	39.59	10.14	13.31	1,021
S20	**SCRAPERS, TANDEM POWERED**										
		CATERPILLAR									
	S20CA001	627-E	14-20 CY, 24 TON, POWERSHIFT	225 HP D	390,943	91.93	23.08	30.68	7.74	13.23	782
			(WITH CARRIER ENGINE)	225 HP D							
	S20CA002	627-E PP	14-20 CY, 24 TON, PUSH-PULL, PS	225 HP D	414,391	95.80	24.54	32.67	8.20	13.23	801
			(WITH CARRIER ENGINE)	225 HP D							
	S20CA003	637-E	21-31 CY, 37.5 TON, POWERSHIFT	450 HP D	672,657	152.34	40.06	53.50	13.31	20.58	1,100
			(WITH CARRIER ENGINE)	250 HP D							
	S20CA004	637-E PP	21-31 CY, 37.5 TON, PUSH-PULL,PS	450 HP D	700,374	156.93	41.79	55.86	13.86	20.58	1,136
			(WITH CARRIER ENGINE)	250 HP D							
	S20CA005	657-E	32-44 CY, 52 TON, POWER SHIFT	550 HP D	840,886	192.85	50.12	66.95	16.64	27.93	1,522
			(WITH CARRIER ENGINE)	400 HP D							
	S20CA006	657-E PP	32-44 CY, 52 TON, PUSH-PULL, PS	550 HP D	892,009	201.28	53.30	71.29	17.65	27.93	1,597
			(WITH CARRIER ENGINE)	400 HP D							

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
			(WITH CARRIER ENGINE)	400 HP D							
		TEREX									
	S20TE001	TS-14C	14-20 CY, 23.5 TON	154 HP D	339,869	75.77	20.12	26.78	6.73	8.53	576
			(WITH CARRIER ENGINE)	136 HP D							
	S20TE002	TS-24C	24-34 CY, 40.8 TON	480 HP D	664,246	153.65	39.40	52.50	13.15	21.76	1,128
			(WITH CARRIER ENGINE)	260 HP D							
S25	**SCRAPERS, TRACTOR DRAWN**										
		ROME									
	S25RM001	R67H	12-18 CY, 18 TON, WITH HYDRAULICS (ADD TRACTOR)		93,336	15.87	4.66	5.55	1.88	0.00	235
	S25RM002	R89H	18-26 CY, 27 TON, WITH HYDRAULICS (ADD TRACTOR)		104,847	18.46	4.99	5.75	2.11	0.00	373
S30	**SCREENING & CRUSHING PLANTS**										
	0.10 CONVEYORS										
		KOLBERG									
	S30KB001	13-2480	PORTABLE STACKING CONVEYOR, 24 IN. X 80 FT.	15 HP E	21,675	6.30	1.14	1.40	0.44	0.98	14
	S30KB002	13-24100	PORTABLE STACKING CONVEYOR, 24 IN. X 100 FT.	15 HP E	23,904	6.71	1.26	1.54	0.49	0.98	18
	S30KB003	13-3080	PORTABLE STACKING CONVEYOR, 30 IN. X 80 FT.	25 HP E	24,134	7.91	1.27	1.56	0.49	1.63	20
	S30KB004	13-30100	PORTABLE STACKING CONVEYOR, 30 IN. X 100 FT.	25 HP E	26,535	8.37	1.40	1.71	0.54	1.63	25
	S30KB005	13-3680	PORTABLE STACKING CONVEYOR, 36 IN. X 80 FT.	30 HP E	27,602	9.13	1.45	1.77	0.56	1.95	30
	S30KB006	13-36100	PORTABLE STACKING CONVEYOR, 36 IN. X 100 FT.	40 HP E	32,060	11.04	1.70	2.07	0.66	2.60	38

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	FUEL	CWT
	S30KB007	31-2485	SIDEFOLDING STACKER,24 IN. X 85 FT.	15 HP E	42,121	9.95	2.37	3.02	0.86	0.98	22
	S30KB008	31-24105	SIDEFOLDING STACKER,24 IN. X 105 FT	20 HP E	46,406	11.26	2.62	3.33	0.95	1.30	27
	S30KB009	31-24125	SIDEFOLDING STACKER,24 IN. X 125 FT	20 HP E	57,585	13.17	3.28	4.19	1.18	1.30	33
	S30KB010	31-3085	SIDEFOLDING STACKER,30 IN. X 85 FT.	25 HP E	43,691	11.32	2.44	3.10	0.89	1.63	32
	S30KB011	31-30105	SIDEFOLDING STACKER,30 IN. X 105 FT	30 HP E	48,580	12.73	2.72	3.45	0.99	1.95	39
	S30KB012	31-30125	SIDEFOLDING STACKER,30 IN. X 125 FT	40 HP E	69,441	17.26	3.96	5.08	1.42	2.60	47
	S30KB013	31-3685	SIDEFOLDING STACKER, 36 IN. X 85 FT	30 HP E	58,089	14.48	3.28	4.18	1.19	1.95	42
	S30KB014	31-36105	SIDEFOLDING STACKER,36 IN. X 105 FT	50 HP E	68,563	18.21	3.88	4.96	1.40	3.25	59
	S30KB015	31-36125	SIDEFOLDING STACKER,36 IN. X 125 FT	60 HP E	76,826	20.67	4.35	5.56	1.57	3.90	70
	S30KB016	35-24100	FIXED HEIGHT STACKER,24 IN. X 100FT	20 HP E	31,414	8.55	1.78	2.27	0.64	1.30	26
	S30KB017	35-24120	FIXED HEIGHT STACKER,24 IN. X 120FT	20 HP E	32,644	8.83	1.84	2.34	0.67	1.30	31
	S30KB018	35-24150	FIXED HEIGHT STACKER,24 IN. X 150FT	25 HP E	57,534	13.59	3.31	4.26	1.18	1.63	39
	S30KB019	35-30100	FIXED HEIGHT STACKER,30 IN. X 100FT	30 HP E	34,952	10.27	1.97	2.52	0.71	1.95	38
	S30KB020	35-30120	FIXED HEIGHT STACKER,30 IN. X 120FT	30 HP E	38,851	10.97	2.19	2.79	0.79	1.95	45
	S30KB021	35-30150	FIXED HEIGHT STACKER,30 IN. X 150FT	40 HP E	69,259	17.12	3.99	5.14	1.42	2.60	56
	S30KB022	35-36100	FIXED HEIGHT STACKER,36 IN. X 100FT	50 HP E	42,210	13.71	2.37	3.01	0.86	3.25	56
	S30KB023	35-36120	FIXED HEIGHT STACKER,36 IN. X 120FT	50 HP E	51,427	15.38	2.90	3.69	1.05	3.25	67
	S30KB024	35-36150	FIXED HEIGHT STACKER,36 IN. X 150FT	60 HP E	81,271	21.57	4.65	5.97	1.66	3.90	84
	S30KB025	36-24100	ADJUSTABLE HEIGHT RADIAL STACKER, 24 IN. X 100 FT.	15 HP E	41,809	9.83	2.41	3.11	0.85	0.98	52
	S30KB026	36-24120	ADJUSTABLE HEIGHT RADIAL STACKER, 24 IN. X 120 FT.	15 HP E	49,739	11.26	2.88	3.71	1.02	0.98	57
	S30KB027	36-24150	ADJUSTABLE HEIGHT RADIAL STACKER, 24 IN. X 150 FT.	20 HP E	62,549	14.00	3.61	4.66	1.28	1.30	65
	S30KB028	36-30100	ADJUSTABLE HEIGHT RADIAL STACKER, 30 IN. X 100 FT.	30 HP E	52,591	13.28	3.04	3.93	1.07	1.95	64
	S30KB029	36-30120	ADJUSTABLE HEIGHT RADIAL STACKER, 30 IN. X 120 FT.	30 HP E	58,512	14.32	3.38	4.36	1.20	1.95	71
	S30KB030	36-30150	ADJUSTABLE HEIGHT RADIAL STACKER, 30 IN. X 150 FT.	40 HP E	72,209	17.71	4.17	5.37	1.48	2.60	82
	S30KB031	36-36100	ADJUSTABLE HEIGHT RADIAL STACKER, 36 IN. X 100 FT.	50 HP E	61,859	17.00	3.55	4.58	1.26	3.25	82
	S30KB032	36-36120	ADJUSTABLE HEIGHT RADIAL STACKER, 36 IN. X 120 FT.	50 HP E	74,458	19.28	4.29	5.53	1.52	3.25	93
	S30KB033	36-36150	ADJUSTABLE HEIGHT RADIAL STACKER, 36 IN. X 150 FT.	60 HP E	87,006	22.47	5.00	6.43	1.78	3.90	110

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		TELSMITH									
	S30TS001	PTC 24IN X 50FT	PORTABLE TRUSS FRAME CONVEYOR, 24 IN WIDE BELT, 50 FT BELT LENGTH	15 HP E	23,982	6.62	1.34	1.70	0.49	0.98	10
	S30TS002	PTC 24IN X 70FT	PORTABLE TRUSS FRAME CONVEYOR, 24 IN WIDE BELT, 70 FT BELT LENGTH	15 HP E	30,256	7.76	1.69	2.14	0.62	0.98	13
	S30TS003	PTC 30IN X 50FT	PORTABLE TRUSS FRAME CONVEYOR, 30 IN WIDE BELT, 50 FT BELT LENGTH	20 HP E	25,225	7.59	1.40	1.76	0.52	1.30	12
	S30TS004	PTC 30IN X 70FT	PORTABLE TRUSS FRAME CONVEYOR, 30 IN WIDE BELT, 70 FT BELT LENGTH	20 HP E	31,554	8.77	1.74	2.19	0.64	1.30	17
	S30TS005	PTC 36IN X 50FT	PORTABLE TRUSS FRAME CONVEYOR, 36 IN WIDE BELT, 50 FT BELT LENGTH	15 HP E	26,980	7.32	1.46	1.82	0.55	0.98	19
	S30TS006	PTC 36IN X 70FT	PORTABLE TRUSS FRAME CONVEYOR, 36 IN WIDE BELT, 70 FT BELT LENGTH	20 HP E	33,437	9.53	1.79	2.22	0.68	1.30	26
	S30TS007	PTC 42IN X 50FT	PORTABLE TRUSS FRAME CONVEYOR, 42 IN WIDE BELT, 50 FT BELT LENGTH	15 HP E	29,634	7.84	1.60	1.98	0.61	0.98	25
	S30TS008	PTC 42IN X 70FT	PORTABLE TRUSS FRAME CONVEYOR, 42 IN WIDE BELT, 70 FT BELT LENGTH	20 HP E	36,127	10.36	1.84	2.19	0.74	1.30	25
0.20	CRUSHERS										
		HEWITT-ROBINS									
	S30HW001	MODEL 13654V	PORTABLE IMPACTOR PLANT, 36 IN. X 54 IN. SINGLE ROTOR IMPACT CRUSHER, ELECTRIC OPERATION	250 HP E	240,305	73.48	14.98	20.43	4.76	16.25	804
	S30HW002	MODEL 14866V	PORTABLE IMPACTOR PLANT, 48 IN. X 66 IN. SINGLE ROTOR IMPACT CRUSHER, ELECTRIC OPERATION	350 HP E	324,081	100.03	20.19	27.55	6.41	22.75	1,280
	S30HW003	MODEL 13654V	PORTABLE IMPACTOR PLANT, 36 IN. X 54 IN. SINGLE ROTOR IMPACT CRUSHER, DIESEL OPERATION	350 HP D	240,305	62.53	14.98	20.43	4.76	10.58	804
	S30HW004	MODEL 14866V	PORTABLE IMPACTOR PLANT, 48 IN. X 66 IN. SINGLE ROTOR IMPACT CRUSHER, DIESEL OPERATION	490 HP D	324,081	84.80	20.19	27.55	6.41	14.82	1,280

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	FUEL	CWT
	S30HW005	MODEL J1524PF	PORTABLE PRIMARY JAW PLANT WITH 15 IN. X 24 IN. JAW CRUSHER, 2-1/2 FT. X 8 FT FEEDER, 2 FT. GRIZZLY, 24 IN. X 20 FT. DISCHARGE CONVEYOR, ELECTRIC OPERATION	40 HP E	129,939	31.22	8.09	11.04	2.57	2.60	86
	S30HW006	MODEL J1536V	PORTABLE PRIMARY JAW PLANT WITH 15 IN. X 36 IN. JAW CRUSHER, 3 FT. X 14 FT. FEEDER, 4 FT. GRIZZLY, 30 IN. X 31 FT. DISCHARGE CONVEYOR, ELECTRIC OPERATION	100 HP E	216,328	54.68	13.48	18.39	4.28	6.50	128
	S30HW007	MODEL J2036V	PORTABLE PRIMARY JAW PLANT WITH 20 IN. X 36 IN. JAW CRUSHER, 3 FT. X 14 FT. FEEDER, 4 FT. GRIZZLY, 30 IN. X 31 FT. DISCHARGE CONVEYOR, ELECTRIC OPERATION	125 HP E	235,101	61.14	14.64	19.98	4.65	8.13	128
	S30HW008	MODEL J2436V	PORTABLE PRIMARY JAW PLANT WITH 24 IN. X 36 IN. JAW CRUSHER, 3 FT. X 14 FT. FEEDER, 4 FT. GRIZZLY, 30 IN. X 31 FT. DISCHARGE CONVEYOR, ELECTRIC OPERATION	125 HP E	245,640	63.72	15.30	20.88	4.86	8.13	128
	S30HW009	MODEL J2142V	PORTABLE PRIMARY JAW PLANT WITH 21 IN. X 42 IN. JAW CRUSHER, 3-1/2 FT. X 16 FT. FEEDER, 4 FT. GRIZZLY, 36 IN. X 34 FT. DISCHARGE CONVEYOR, ELECTRIC OPERATION	150 HP E	254,722	68.27	15.87	21.65	5.04	9.75	152
	S30HW010	MODEL J3042V	PORTABLE PRIMARY JAW PLANT WITH 30 IN. X 42 IN. JAW CRUSHER, 3-1/2 FT. X 16 FT. FEEDER, 6 FT. GRIZZLY, 36 IN. X 41 FT. OR 55 FT. DISCHARGE CONVEYOR, ELECTRIC OPERATION	200 HP E	310,441	84.27	19.34	26.39	6.14	13.00	156
	S30HW011	MODEL J2248V	PORTABLE PRIMARY JAW PLANT WITH 22 IN. X 48 IN. JAW CRUSHER, 4 FT. X 16 FT. FEEDER, 4 FT. GRIZZLY, 48 IN. X 37 FT. DISCHARGE CONVEYOR, ELECTRIC OPERATION	200 HP E	304,349	82.82	18.96	25.87	6.02	13.00	168

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	ADJUSTABLE ELEMENTS OWNERSHIP FUEL	CWT
	S30HW012	MODEL J3048V	PORTABLE PRIMARY JAW PLANT WITH 30 IN. X 48 IN. JAW CRUSHER, 4 FT. X 16 FT. FEEDER, 4 FT. GRIZZLY, 48 IN. X 37 FT. DISCHARGE CONVEYOR, ELECTRIC OPERATION	200 HP E	359,760	94.50	22.41	30.58	7.12	13.00	168
	S30HW013	MODEL H4832S	PORTABLE HAMMERMILL PLANT WITH 48 IN. X 32 IN. HAMMERMILL, 5 FT. X 16 FT. TRIPLE DECK SCREEN, 30 IN. X 11 FT. FEED CONVEYOR AND 36 IN. X 37 FT. FEED CONVEYOR, 36 IN. X 30 FT. END DISCHARGE CONVEYOR	450 HP E	289,934	105.34	18.06	24.64	5.74	29.25	600
		KOLBERG									
	S30KB034	CS-1536	PORTABLE JAW CRUSHER PLANT, 15 IN. X 36. IN. JAW CRUSHER, 36 IN. X 14 FT. VIBRATING FEEDER, 6 IN. X 4 FT. GRIZZLY, 36 IN. X 22 FT. END DELIVERY CONVEYOR	75 HP E	163,353	41.76	10.00	13.53	3.23	4.88	548
	S30KB035	CS-2036	PORTABLE JAW CRUSHER PLANT, 20 IN. X 36. IN. JAW CRUSHER, 36 IN. X 14 FT. VIBRATING FEEDER, 6 IN. X 4 FT. GRIZZLY, 36 IN. X 22 FT. END DELIVERY CONVEYOR	100 HP E	168,411	45.51	10.31	13.96	3.33	6.50	590
	S30KB036	CS-2436	PORTABLE JAW CRUSHER PLANT, 24 IN. X 36. IN. JAW CRUSHER, 36 IN. X 16 FT. VIBRATING FEEDER, 6 IN. X 4 FT. GRIZZLY, 36 IN. X 22 FT. END DELIVERY CONVEYOR	100 HP E	192,406	50.24	11.81	16.00	3.81	6.50	701
		TELSMITH									
	S30TS009	4246	PRIMARY IMPACT CRUSHER, 600 TON/HR MAX CAPACITY	300 HP E	181,966	66.00	11.34	15.47	3.60	19.50	595
	S30TS010	4856	PRIMARY IMPACT CRUSHER, 1100 TON/HR MAX CAPACITY	400 HP E	275,537	94.48	17.16	23.42	5.45	26.00	942
	S30TS011	6071	PRIMARY IMPACT CRUSHER, 2100 TON/HR MAX CAPACITY, 2 EA 400 HP MOTOR	800 HP E	466,671	172.34	29.08	39.67	9.24	52.00	1,950

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	S30TS012	44S	GYRASPHERE CRUSHER FOR EXTRA COARSE THRU MEDIUM MATERIALS, 380 TON PER HOUR CAPACITY	200 HP E	141,411	48.46	8.81	12.02	2.80	13.00	312
	S30TS013	44FC	GYRASPHERE CRUSHER FOR COARSE THRU FINE MATERIALS, 230 TON PER HOUR CAPACITY	200 HP E	143,885	48.95	8.97	12.23	2.85	13.00	312
	S30TS014	52S	GYRASPHERE CRUSHER FOR EXTRA COARSE THRU MEDIUM MATERIALS, 440 TON PER HOUR CAPACITY	250 HP E	194,755	63.99	12.13	16.55	3.85	16.25	479
	S30TS015	52FC	GYRASPHERE CRUSHER FOR COARSE THRU FINE MATERIALS, 260 TON PER HOUR CAPACITY	250 HP E	271,752	79.17	16.93	23.10	5.38	16.25	479
	S30TS016	57S	GYRASPHERE CRUSHER FOR EXTRA COARSE THRU MEDIUM MATERIALS, 580 TON PER HOUR CAPACITY	300 HP E	269,392	83.72	16.78	22.90	5.33	19.50	660
	S30TS017	57FC	GYRASPHERE CRUSHER FOR COARSE THRU FINE MATERIALS, 330 TON PER HOUR CAPACITY	300 HP E	275,597	84.95	17.17	23.43	5.45	19.50	660
	S30TS018	84S	GYRASPHERE CRUSHER FOR EXTRA COARSE THRU MEDIUM MATERIALS, 1400 TON PER HOUR CAPACITY	400 HP E	504,160	140.54	31.41	42.85	9.98	26.00	165
	S30TS019	84FC	GYRASPHERE CRUSHER FOR COARSE THRU FINE MATERIALS, 620 TON PER HOUR CAPACITY	400 HP E	513,798	142.44	32.01	43.67	10.17	26.00	165
	S30TS020	HSI 4230	HORIZONTAL SHAFT IMPACTOR, 12 IN. MAX FEED SIZE, 120 TON/HR CAPACITY	100 HP E	72,672	25.87	4.53	6.18	1.44	6.50	193
	S30TS021	HSI 5242	HORIZONTAL SHAFT IMPACTOR, 16 IN. MAX FEED SIZE, 170 TON/HR CAPACITY	200 HP E	109,093	42.59	6.80	9.27	2.16	13.00	293
	S30TS022	HSI 5263	HORIZONTAL SHAFT IMPACTOR, 16 IN. MAX FEED SIZE, 320 TON/HR CAPACITY	300 HP E	158,487	62.37	9.88	13.47	3.14	19.50	480
	S30TS023	HSI 6263	HORIZONTAL SHAFT IMPACTOR, 20 IN. MAX FEED SIZE, 440 TON/HR CAPACITY	400 HP E	207,678	82.11	12.94	17.65	4.11	26.00	615
	S30TS024	HSI 6284	HORIZONTAL SHAFT IMPACTOR, 20 IN. MAX FEED SIZE, 660 TON/HR CAPACITY	300 HP E	272,136	84.77	16.96	23.13	5.39	19.50	830

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	FUEL	CWT
	0.30 SCREENING PLANT										
		HEWITT-ROBINS									
	S30HW014	V-11 6X16FT, DD	PORTABLE SCREENING PLANT WITH 6 FT. X 16 FT., DOUBLE DECKS	15 HP E	93,395	19.13	5.65	7.47	1.91	0.98	101
	S30HW015	V-11 6X16FT, TD	PORTABLE SCREENING PLANT WITH 6 FT. X 16 FT., TRIPLE DECKS	25 HP E	103,549	22.11	6.26	8.28	2.12	1.63	138
	S30HW016	V-11 6X20FT, DD	PORTABLE SCREENING PLANT WITH 6 FT. X 20 FT., DOUBLE DECKS	20 HP E	98,059	20.49	5.92	7.84	2.00	1.30	115
	S30HW017	V-11 6X20FT, TD	PORTABLE SCREENING PLANT WITH 6 FT. X 20 FT., TRIPLE DECKS	25 HP E	105,315	22.47	6.37	8.43	2.15	1.63	167
	S30HW018	V-11 8X20FT, TD	PORTABLE SCREENING PLANT WITH 8 FT. X 20 FT., TRIPLE DECKS	40 HP E	125,561	27.50	7.59	10.04	2.57	2.60	243
		KOLBERG									
	S30KB037	25-2450	MOBILE SCREENING PLANT, 24 IN. X 50 FT., TWO DECK, VARIABLE SPEED, 7 CY HOPPER AND FEEDER	73 HP D	62,368	15.79	3.69	4.83	1.27	2.21	266
	S30KB038	25-3050	MOBILE SCREENING PLANT, 30 IN. X 50 FT., TWO DECK, VARIABLE SPEED, 7 CY HOPPER AND FEEDER	73 HP D	67,295	16.70	3.97	5.18	1.38	2.21	205
	S30KB039	26-2450	MOBILE SCREENING PLANT, 24 IN. X 50 FT., TWO DECK, VARIABLE SPEED, 7 CY HOPPER AND FEEDER	96 HP D	75,193	19.15	4.46	5.83	1.54	2.90	290
	S30KB040	26-3050	MOBILE SCREENING PLANT, 30 IN. X 50 FT., TWO DECK, VARIABLE SPEED, 7 CY HOPPER AND FEEDER	96 HP D	80,789	20.16	4.78	6.26	1.65	2.90	309
		KOLMAN									
	S30KL001	PB-212	COLD FEED PLANT, 2 EA 12 FT. LONG, 9 FT. HIGH BINS		67,169	14.23	4.04	5.33	1.37	0.00	210
	S30KL002	PB-312	COLD FEED PLANT, 3 EA 12 FT. LONG, 9 FT. HIGH BINS		84,920	17.83	5.11	6.73	1.74	0.00	263

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	S30KL003	PB-412	COLD FEED PLANT, 4 EA 12 FT. LONG, 9 FT. HIGH BINS		106,385	22.07	6.40	8.45	2.17	0.00	309
		READ SCREEN-ALL									
	S30RA001	RD 25B	MOBILE SCREEN PLANT 40 CY/HR PROD	24 HP D	35,995	8.46	2.16	2.83	0.74	0.73	113
	S30RA002	RD 40B	MOBILE SCREEN PLANT 120 CY/HR PROD	24 HP D	51,195	11.11	3.08	4.05	1.05	0.73	130
	S30RA003	RD 90B	MOBILE SCREEN PLANT 200 CY/HR PROD	36 HP D	81,941	17.45	4.90	6.46	1.67	1.09	195
	S30RA004	RD 150B	MOBILE SCREEN PLANT 320 CY/HR PROD	49 HP D	102,463	21.75	6.14	8.10	2.09	1.48	241
S35	**SNOW REMOVAL EQUIPMENT**										
		AMERICAN ROAD MACHINERY									
	S35AR001	112	REVERSIBLE SNOW PLOW (ADD DUMP TRK)		2,370	0.51	0.17	0.24	0.05	0.00	15
	S35AR002	713	1-WAY TRIP SNOW PLOW (ADD DUMP TRK)		3,899	0.83	0.28	0.39	0.08	0.00	20
S40	**SOIL STABILIZERS**										
		CATERPILLAR									
	S40CA001	RR250	12" DEEP X 96" WIDE, HYDROSTATIC	335 HP D	203,314	49.63	12.22	16.14	4.15	10.41	393
	S40CA002	SS250	18" DEEP X 96" WIDE, HYDROSTATIC	335 HP D	186,188	47.06	11.07	14.54	3.80	10.41	265
S45	**SPLITTERS, ROCK & CONCRETE**										
		DARDA									
	S45DA001	02-2	220 TON, S FORCE, SIZE 2,(ADD COMP) 1-3/16" DIA., 12" DEEP HOLE REQ'D	80 CFM A	10,399	4.32	0.93	1.39	0.23	0.00	2
	S45DA002	02-7	220 TON, S FORCE, SIZE 7,(ADD COMP) 1-3/4" DIA., 18" DEEP HOLE REQ'D	80 CFM A	12,224	4.98	1.09	1.63	0.27	0.00	2
	S45DA003	02-8S	350 TON, S FORCE, SIZE 8,(ADD COMP) 1-3/4" DIA., 26" DEEP HOLE REQ'D	80 CFM A	12,572	5.18	1.11	1.68	0.27	0.00	2

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	ADJUSTABLE ELEMENTS OWNERSHIP FUEL	CWT
T10 TRACTOR BLADES & ATTACHMENTS										
		CATERPILLAR								
	T10CA001	3P	BLADE, POWER ANGLE TILT, FOR D3	9,828	1.80	0.60	0.79	0.20	0.00	24
	T10CA002	53	WINCH, (ADD CABLE), FOR D3 TRACTOR	7,478	1.38	0.45	0.60	0.15	0.00	9
	T10CA003	4S	BLADE, STRAIGHT,HYDRAULIC, FOR D4	11,958	2.17	0.72	0.96	0.24	0.00	34
	T10CA004	4A	BLADE, ANGLE, HYDRAULIC, FOR D4	13,046	2.36	0.79	1.04	0.27	0.00	34
	T10CA005	54	WINCH, (ADD CABLE), FOR D4 TRACTOR	23,034	4.10	1.39	1.84	0.47	0.00	20
	T10CA006	5S	BLADE, STRAIGHT,HYDRAULIC, FOR D5	14,247	2.57	0.86	1.14	0.29	0.00	41
	T10CA007	5A	BLADE, ANGLE, HYDRAULIC, FOR D5	14,492	2.61	0.88	1.16	0.30	0.00	42
	T10CA008	55	WINCH, (ADD CABLE), FOR D5 TRACTOR	19,518	3.49	1.18	1.56	0.40	0.00	22
	T10CA009	6S	BLADE, STRAIGHT,HYDRAULIC, FOR D6	19,102	3.42	1.16	1.53	0.39	0.00	52
	T10CA010	6A	BLADE, ANGLE, HYDRAULIC, FOR D6	21,131	3.77	1.28	1.69	0.43	0.00	63
	T10CA011	56	WINCH, (ADD CABLE), FOR D6 TRACTOR	24,826	4.42	1.51	1.99	0.51	0.00	32
	T10CA012	7S	BLADE, STRAIGHT,HYDRAULIC, FOR D7	27,502	4.88	1.66	2.20	0.56	0.00	76
	T10CA013	7U	BLADE, UNIVERSAL,HYDRAULIC, FOR D7	29,999	5.31	1.81	2.40	0.61	0.00	87
	T10CA014	7A	BLADE, ANGLE, HYDRAULIC, FOR D7	28,588	5.07	1.73	2.29	0.58	0.00	80
	T10CA015	57	WINCH, (ADD CABLE), FOR D7 TRACTOR	31,869	5.66	1.93	2.55	0.65	0.00	41
	T10CA016	8S	BLADE, STRAIGHT,HYDRAULIC, FOR D8	36,195	6.44	2.19	2.90	0.74	0.00	135
	T10CA017	8U	BLADE, UNIVERSAL,HYDRAULIC, FOR D8	38,393	6.82	2.32	3.07	0.78	0.00	136
	T10CA018	8A	BLADE, ANGLE, HYDRAULIC, FOR D8	35,367	6.30	2.14	2.83	0.72	0.00	136
	T10CA019		BLADE, PUSH PLATE FOR D8	1,184	0.25	0.07	0.09	0.02	0.00	6
	T10CA020	57	WINCH, (ADD CABLE), FOR D8 TRACTOR	29,784	5.35	1.80	2.38	0.61	0.00	47
	T10CA021	9SU	BLADE, SEMI-U, HYDRAULIC, FOR D9	48,898	8.72	2.96	3.91	1.00	0.00	155
	T10CA022	9U	BLADE, UNIVERSAL,HYDRAULIC, FOR D9	50,860	9.07	3.08	4.07	1.04	0.00	153
	T10CA023	59	WINCH, (ADD CABLE), FOR D9 TRACTOR	33,829	6.11	2.05	2.71	0.69	0.00	45
	T10CA024	10SU	BLADE, SEMI-U, HYDRAULIC, FOR D10	66,948	11.97	4.05	5.36	1.37	0.00	231
	T10CA025	10U	BLADE, UNIVERSAL,HYDRAULIC, FOR D10	72,446	12.94	4.38	5.80	1.48	0.00	251
	T10CA026	11SU	BLADE, SEMI-U, HYDRAULIC, FOR D11	97,029	17.33	5.86	7.76	1.98	0.00	351
	T10CA027	11U	BLADE, UNIVERSAL,HYDRAULIC, FOR D11	105,559	18.84	6.38	8.44	2.16	0.00	400
		INTERNATIONAL/DRESSER								
	T10ID001	15D-2	BLADE, SEMI-U, HYDRAULIC, FOR 15C	15,947	2.84	0.97	1.28	0.33	0.00	45
	T10ID002	15G-2	BLADE, ANGLE, HYDRAULIC, FOR 15C	18,101	3.21	1.10	1.45	0.37	0.00	48
	T10ID003	20D-2	BLADE, SEMI-U, HYDRAULIC, FOR 20G	26,699	4.72	1.62	2.14	0.55	0.00	61
	T10ID004	20G-2	BLADE, ANGLE, HYDRAULIC, FOR 20G	29,022	5.11	1.75	2.32	0.59	0.00	71

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	T10ID005	25D-2	BLADE, SEMI-U, HYDRAULIC, FOR 25G	36,608	6.49	2.22	2.93	0.75	0.00	114
	T10ID006	25G-2	BLADE, ANGLE, HYDRAULIC, FOR 25G	39,296	6.97	2.37	3.14	0.80	0.00	115
	T10ID007	40D-2	BLADE, SEMI-U, HYDRAULIC, FOR 40B	37,940	6.71	2.30	3.04	0.78	0.00	192
	T10ID008	40U-2	BLADE, ANGLE, HYDRAULIC, FOR 40B	42,622	7.57	2.58	3.41	0.87	0.00	210
		JOHN DEERE								
	T10JD001	915 V-RIPPER	5x7 V SHAPED DEEP TILLER (ADD UP TO 200 PTO HP TRACTOR)	5,131	0.89	0.31	0.41	0.10	0.00	10
		KOMATSU								
	T10KM001	D31E-18	BLADE, ANGLE TILT, FOR D31E-18	11,510	2.16	0.70	0.92	0.24	0.00	20
	T10KM002	D37E-2	BLADE, ANGLE TILT, FOR D37E-2	11,764	2.20	0.71	0.94	0.24	0.00	24
	T10KM003	D58E-1	BLADE, ANGLE TILT, FOR D58E-1	12,128	2.27	0.74	0.97	0.25	0.00	42
	T10KM004	D63E-1	BLADE, ANGLE TILT, FOR D63E-1	13,540	2.51	0.82	1.08	0.28	0.00	61
	T10KM005	D68E-1	BLADE, ANGLE TILT, FOR D68E-1	16,322	3.03	0.99	1.31	0.33	0.00	99
	T10KM006	D83E-1	BLADE, ANGLE TILT, FOR D83E-1	23,689	4.32	1.43	1.90	0.48	0.00	99
	T10KM007	D83E-1	BLADE, U-DOZER, FOR D83E-1	29,309	5.31	1.77	2.34	0.60	0.00	104
	T10KM008	D85E-21	BLADE, ANGLE TILT, FOR D85E-21	28,861	5.29	1.75	2.31	0.59	0.00	85
	T10KM009	D85E-21	BLADE, U-DOZER, FOR D85E-21	34,704	6.41	2.10	2.78	0.71	0.00	77
	T10KM011	D155A-2	BLADE, U-DOZER, FOR D155A-2	44,543	8.17	2.69	3.56	0.91	0.00	142
	T10KM012	D355A-5	BLADE, U-DOZER, FOR D355A-5	50,004	9.18	3.02	4.00	1.02	0.00	196
	T10KM013	D355A-5	BLADE, STRAIGHT, FOR D355A-5	45,047	8.26	2.72	3.60	0.92	0.00	184
	T10KM014	D375A-2	BLADE, U-DOZER, FOR D375A-1	59,148	10.96	3.58	4.73	1.21	0.00	229
	T10KM015	D375A-2	BLADE, ANGLE TILT, FOR D375A-1	44,549	8.17	2.69	3.56	0.91	0.00	195
	T10KM016	D475A-2	BLADE, STRAIGHT, FOR D475A-1	74,660	13.73	4.52	5.97	1.53	0.00	240
		LELY								
	T10LE001	200-19	ROTARY HOE, 80" WIDTH ROTERRA, (ADD 30 HP TRACTOR, PTO)	5,465	0.95	0.33	0.44	0.11	0.00	12
	T10LE002	250-19	ROTARY HOE, 100" WIDTH ROTERRA, (ADD 40 HP TRACTOR, PTO)	6,062	1.05	0.36	0.48	0.12	0.00	14
	T10LE003	300-19	ROTARY HOE, 120" WIDTH ROTERRA, (ADD 50 HP TRACTOR, PTO)	6,794	1.18	0.41	0.54	0.14	0.00	16
	T10LE004	350-33	ROTARY HOE, 140" WIDTH ROTERRA, (ADD 170 HP TRACTOR, PTO)	11,352	1.98	0.69	0.91	0.23	0.00	23

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	T10LE005	400-44	ROTARY HOE, 160" WIDTH ROTERRA, (ADD 170 HP TRACTOR, PTO)		13,477	2.36	0.82	1.08	0.28	0.00	29
T15	**TRACTORS, CRAWLER (DOZER) (add attachments as required) (Per Unit For Tandem Tractors)**										
	0.01	0 THRU 225 HP									
		CATERPILLAR									
	T15CA003	D-3C	POWERSHIFT (ADD BLADE)	67 HP D	55,237	14.32	3.23	4.14	1.16	2.19	146
	T15CA004	D-4H II	POWERSHIFT (ADD BLADE)	95 HP D	70,812	18.75	4.15	5.31	1.49	3.11	187
	T15CA005	D-4H II LGP	LOW GROUND PRESSURE (ADD BLADE)	90 HP D	77,906	20.01	4.56	5.84	1.64	2.95	213
	T15CA006	D-5H II	POWERSHIFT (ADD BLADE)	120 HP D	111,300	28.23	6.53	8.35	2.35	3.93	235
	T15CA007	D-5H II LGP	LOW GROUND PRESSURE (ADD BLADE)	125 HP D	127,263	31.74	7.45	9.54	2.68	4.10	283
	T15CA008	D-6D	POWERSHIFT (ADD BLADE)	140 HP D	123,490	31.61	7.23	9.26	2.60	4.59	288
	T15CA009	D-6D SA	SPECIAL APPLICATION (ADD BLADE)	165 HP D	141,870	36.49	8.31	10.64	2.99	5.41	302
	T15CA010	D-6H II	POWERSHIFT (ADD BLADE)	165 HP D	141,375	36.39	8.28	10.60	2.98	5.41	324
	T15CA011	D-6H II LGP	LOW GROUND PRESSURE (ADD BLADE)	165 HP D	163,418	40.96	9.57	12.26	3.44	5.41	372
	T15CA012	D-7G	POWERSHIFT (ADD BLADE)	200 HP D	200,289	50.09	11.73	15.02	4.22	6.55	384
	T15CA013	D-7H II	POWERSHIFT (ADD BLADE)	215 HP D	218,642	54.55	12.81	16.40	4.61	7.04	462
	T15CA014	D-7H II LGP	LOW GROUND PRESSURE (ADD BLADE)	215 HP D	251,549	61.37	14.74	18.87	5.30	7.04	508
		CASE									
	T15CS001	450C	WITH POWER ANGLE TILT BLADE,PS	63 HP D	51,158	13.31	3.00	3.84	1.08	2.06	114
	T15CS002	850D	WITH HYDR ANGLE TILT BLADE, PS/TC	82 HP D	70,419	18.11	4.12	5.28	1.48	2.69	192
	T15CS003	850D LGP	WITH HYDR ANGLE TILT BLADE, PS/TC	82 HP D	73,689	18.80	4.32	5.53	1.55	2.69	192
		FIATALLIS									
	T15FI001	FD5	WITH POWER ANGLE TILT BLADE, PS	70 HP D	59,951	15.43	3.51	4.50	1.26	2.29	140
	T15FI002	FD7	WITH POWER ANGLE TILT BLADE, PS	84 HP D	72,177	18.56	4.23	5.41	1.52	2.75	171
	T15FI003	FD9	WITH SEMI-U TILT BLADE, POWERSHIFT	107 HP D	104,277	26.22	6.11	7.82	2.20	3.51	237
	T15FI004	10C	WITH HYDRAULIC SEMI-U TILT BLADE,PS	122 HP D	116,136	29.31	6.81	8.71	2.45	4.00	279
	T15FI008	FD20	WITH HYDRAULIC SEMI-U TILT BLADE,PS	225 HP D	248,280	61.20	14.54	18.62	5.23	7.44	533

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		INTERNATIONAL/DRESSER									
	T15ID001	TD-7-G	WITH HYDRAULIC BLADE, POWERSHIFT	70 HP D	59,051	15.24	3.46	4.43	1.24	2.29	140
	T15ID002	TD-8-G	WITH HYDRAULIC BLADE, POWERSHIFT	80 HP D	76,069	19.20	4.46	5.71	1.60	2.62	180
	T15ID003	TD-12	WITH HYDRAULIC BLADE, POWERSHIFT	110 HP D	106,732	26.84	6.25	8.00	2.25	3.60	281
	T15ID004	TD-15-C	POWERSHIFT (ADD BLADE)	140 HP D	131,053	33.18	7.68	9.83	2.76	4.59	315
	T15ID005	TD-20-G	POWERSHIFT (ADD BLADE)	225 HP D	207,968	52.77	12.18	15.60	4.38	7.37	493
		JOHN DEERE									
	T15JD001	400G	WITH POWER ANGLE TILT BLADE	60 HP D	47,663	12.46	2.79	3.57	1.00	1.97	114
	T15JD002	450G	WITH 6405 HYDRAULIC BLADE, PS	70 HP D	53,047	14.00	3.11	3.98	1.12	2.29	153
	T15JD003	550G	WITH 6405 HYDRAULIC BLADE, PS	80 HP D	61,344	16.15	3.59	4.60	1.29	2.62	167
	T15JD004	650G	WITH 6405 HYDRAULIC BLADE, PS	90 HP D	68,957	18.15	4.04	5.17	1.45	2.95	188
	T15JD005	750B	WITH 6525 STRAIGHT W/TILT BLADE	120 HP D	102,412	26.38	6.00	7.68	2.16	3.93	291
	T15JD006	750B LGP	WITH 6525 HYDRAULIC TILT BLADE	120 HP D	105,386	26.99	6.17	7.90	2.22	3.93	313
	T15JD007	850B	WITH 6545 HYDRAULIC TILT BLADE	165 HP D	136,499	35.39	8.00	10.24	2.88	5.41	367
	T15JD008	850B LGP	WITH HYDRAULIC TILT BLADE	165 HP D	150,508	38.28	8.82	11.29	3.17	5.41	435
		KOMATSU									
	T15KM001	D31E-18	HYDROSHIFT, (ADD BLADE)	70 HP D	57,857	15.00	3.39	4.34	1.22	2.29	123
	T15KM002	D37E-2	HYDROSHIFT, (ADD BLADE)	75 HP D	64,612	16.62	3.79	4.85	1.36	2.46	127
	T15KM003	D58E-1	HYDROSHIFT, (ADD BLADE)	130 HP D	117,540	29.95	6.89	8.82	2.48	4.26	298
	T15KM004	D63E-1	POWERSHIFT, (ADD BLADE)	140 HP D	150,994	37.31	8.84	11.32	3.18	4.59	316
	T15KM005	D68E-1	POWERSHIFT, (ADD BLADE)	180 HP D	162,345	41.39	9.51	12.18	3.42	5.90	412
	T15KM006	D83E-1	POWERSHIFT, (ADD BLADE)	205 HP D	235,504	57.60	13.79	17.66	4.96	6.72	360
	T15KM007	D85E-21	POWERSHIFT, (ADD BLADE)	225 HP D	243,618	60.15	14.27	18.27	5.13	7.37	445
0.02	226 HP THRU 425 HP										
		CATERPILLAR									
	T15CA015	D-8L	POWERSHIFT (ADD BLADE)	335 HP D	307,888	73.07	18.61	24.63	6.29	10.97	735
	T15CA016	D-8N	POWERSHIFT (ADD BLADE)	285 HP D	265,223	62.81	16.03	21.22	5.42	9.34	597
	T15CA017	D-9N	POWERSHIFT (ADD BLADE)	370 HP D	352,439	83.11	21.30	28.20	7.20	12.12	817

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	ADJUSTABLE ELEMENTS OWNERSHIP FUEL	CWT
		FIATALLIS									
	T15FI010	FD30B	WITH SEMI-U BLADE, POWERSHIFT	340 HP D	318,329	75.30	19.24	25.47	6.50	11.14	698
		INTERNATIONAL/DRESSER									
	T15ID006	TD-25-G	POWERSHIFT (ADD BLADE)	320 HP D	283,698	67.80	17.15	22.70	5.80	10.48	726
		KOMATSU									
	T15KM008	D155A-2	POWERSHIFT, (ADD BLADE)	320 HP D	307,173	72.32	18.57	24.57	6.28	10.48	658
	T15KM009	D355A-5	POWERSHIFT, (ADD BLADE)	404 HP D	418,981	97.34	25.32	33.52	8.56	13.24	1,059
0.03	OVER 425 HP										
		CATERPILLAR									
	T15CA018	D-10N	POWERSHIFT (ADD BLADE)	520 HP D	474,922	103.75	26.04	33.64	9.22	17.04	1,038
	T15CA019	D-11N	POWERSHIFT (ADD BLADE)	770 HP D	825,993	175.12	45.30	58.51	16.04	25.23	1,636
		FIATALLIS									
	T15FI012	FD40B	WITH HYDR SEMI-U BLADE, POWERSHIFT	475 HP D	460,119	99.37	25.24	32.59	8.94	15.56	1,153
	T15FI013	FD50	WITH HYDR SEMI-U BLADE, POWERSHIFT	525 HP D	562,180	119.22	30.83	39.82	10.92	17.20	1,291
		INTERNATIONAL/DRESSER									
	T15ID008	TD-40B	POWERSHIFT (ADD BLADE)	520 HP D	446,102	98.70	24.46	31.60	8.66	17.04	1,229
		KOMATSU									
	T15KM010	D375A-2	POWERSHIFT, (ADD BLADE)	525 HP D	525,413	112.79	28.82	37.22	10.21	17.20	1,234
	T15KM011	D475A-2	POWERSHIFT, (ADD BLADE)	770 HP D	884,594	185.38	48.51	62.66	17.18	25.23	1,745

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
T20	**TRACTORS, WHEEL TYPE (DOZER)**										
		CATERPILLAR									
	T20CA001	814-B	WITH STRAIGHT BLADE,ARTICULATED,PS	210 HP D	215,537	44.52	13.03	17.52	4.27	6.35	465
	T20CA002	824-C	WITH STRAIGHT BLADE,ARTICULATED,PS	310 HP D	309,849	67.03	18.26	24.25	6.13	9.37	624
	T20CA003	834-B	WITH STRAIGHT BLADE,ARTICULATED,PS	450 HP D	476,439	98.46	27.94	37.01	9.43	13.61	894
		MICHIGAN / VME									
	T20MC001	280C	WITH STRAIGHT BLADE, ATRICULATED,PS	335 HP D	348,078	72.53	20.56	27.34	6.89	10.13	634
	T20MC002	W380	WITH STRAIGHT BLADE, ATRICULATED,PS	572 HP D	647,908	133.24	36.09	46.54	12.82	17.30	1,233
T25	**TRACTORS, WHEEL TYPE (FARM)**										
		JOHN DEERE									
	T25JD001	2155	INDUSTRIAL 2WD (NO ATTACHMENTS)	53 HP D	17,811	5.90	1.22	1.72	0.36	1.60	49
	T25JD002	2355	INDUSTRIAL 2WD (NO ATTACHMENTS)	64 HP D	19,271	6.60	1.34	1.90	0.39	1.94	58
	T25JD003	2555	INDUSTRIAL 2WD (NO ATTACHMENTS)	72 HP D	21,768	7.42	1.53	2.17	0.44	2.18	59
	T25JD004	2755	INDUSTRIAL 2WD (NO ATTACHMENTS)	87 HP D	24,278	8.46	1.72	2.46	0.49	2.63	60
T30	**TRENCHERS, CHAIN**										
		DITCH WITCH									
	T30DW001	C99	24" DEEP X 6" WIDE, WALK-BEHIND	9 HP G	3,584	1.59	0.25	0.34	0.08	0.62	6
	T30DW002	2020	35" DEEP X 8" WIDE, 4WD, W/BLADE	20 HP G	14,374	4.94	1.01	1.41	0.30	1.38	30
	T30DW003	3210	36" DEEP X 6" WIDE, 4WD,W/DBL PIVOT	28 HP G	31,721	9.49	2.23	3.13	0.66	1.93	39
	T30DW004	2310	39" DEEP X 5" WIDE, 4WD, W/BLADE	30 HP G	18,223	6.65	1.27	1.78	0.38	2.07	36
	T30DW005	3500	63" DEEP X 12"WIDE, 4WD,W/DBL PIVOT	43 HP D	25,352	7.30	1.78	2.50	0.53	1.30	42
	T30DW006	5010	48" DEEP X 6" WIDE, 4WD,W/DBL PIVOT	58 HP D	40,019	11.17	2.77	3.86	0.84	1.75	47
	T30DW007	6510	47" DEEP X 6" WIDE, 4WD,W/DBL PIVOT	64 HP D	42,473	11.96	2.95	4.11	0.89	1.94	55
	T30DW008	6510	48" DEEP X 8" WIDE, 4WD, W/BLADE	64 HP D	49,507	13.52	3.45	4.81	1.04	1.94	106
	T30DW009	7510	60" DEEP X 8" WIDE, 4WD,W/DBL PIVOT	74 HP D	53,915	14.88	3.76	5.25	1.13	2.24	55

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		VERMEER									
	T30VE001	V-1550	48" DEEP X 4-10" WIDE,WALK-BEHIND	18 HP G	7,555	3.23	0.54	0.76	0.16	1.24	15
	T30VE002	LM-35	42" DEEP X 3.5-5" WIDE,PLOW TRENCHR	35 HP D	25,283	6.99	1.74	2.42	0.53	1.06	40
	T30VE003	V-450	60" DEEP X 6-18" WIDE,BACKHOE/BLADE	54 HP D	43,115	11.67	2.99	4.17	0.90	1.63	76
	T30VE004	M-455A	60" DEEP X 8-18" WIDE,BACKHOE/BLADE	53 HP D	49,200	12.99	3.42	4.78	1.03	1.60	82
	T30VE005	T-600D	72" DEEP X 10-24" WIDE,CRAWLER	113 HP D	94,738	25.39	6.73	9.47	1.99	3.42	193
	T30VE006	T-800C	96" DEEP X 12-36" WIDE,CRAWLER	175 HP D	170,644	44.65	12.11	17.06	3.58	5.29	423
T35	**TRENCHERS, WHEEL TYPE**										
		BARBER-GREENE									
	T35BG001	TA 56	70" DEEP X 16-30" WIDE,CRAWLER	100 HP D	157,998	32.54	9.55	12.64	3.23	3.02	254
	T35BG002	TA 65	90" DEEP X 22-44" WIDE,CRAWLER	160 HP D	228,573	47.65	13.82	18.29	4.67	4.84	416
	T35BG003	TA 77	102" DEEP X 26-66" WIDE,CRAWLER	160 HP D	301,963	61.02	18.25	24.16	6.17	4.84	600
		CLEVELAND TRENCHER									
	T35CT002	9600-S	72" DP X 24" W, 12"ROUND BKT,CRWLR	140 HP D	254,074	51.54	15.36	20.33	5.19	4.23	229
	T35CT003	246-FD	84" DP X 24" W,16"ROUND BKT,CRAWLER	185 HP D	285,754	59.00	17.27	22.86	5.84	5.59	320
	T35CT004	7036-HD	84" DP X 36" W, 16"ROUND BKT,CRWLR	102 HP D	268,919	52.80	16.25	21.51	5.49	3.08	286
	T35CT007	7036-SD	84" DP X 36" W, 16"ROUND BKT,CRWLR	102 HP D	281,656	55.13	17.03	22.53	5.76	3.08	340
	T35CT009	7648-SD	90" DP X 48" W,22"ROUND BKT,CRAWLER	150 HP D	419,885	82.11	25.38	33.59	8.58	4.54	455
	T35CT011	400W-HD	108" DP X 72" W,28"ROUND BKT,CRWLR	175 HP D	495,323	96.80	29.94	39.63	10.12	5.29	672
T40	**TRUCK OPTIONS, (ADD TRUCK)**										
	0.10 CRANES, HYDRAULIC										
		NO SPECIFIC MANUFACTURER									
	T40XX001		MAX CAP. 5.3 TON, MAX. BOOM 48'		32,089	7.04	2.28	3.21	0.67	0.00	39
	T40XX002		MAX CAP. 7.3 TON, MAX. BOOM 63'		50,297	10.97	3.57	5.03	1.05	0.00	94
	T40XX003		MAX CAP. 8.0 TON, MAX. BOOM 85'		52,555	11.46	3.73	5.26	1.10	0.00	109

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	FUEL	CWT
	T40XX004		MAX CAP. 14.0 TON, MAX. BOOM 118'	58,963	12.88	4.19	5.90	1.24	0.00	143
	T40XX005		MAX CAP. 16.5 TON, MAX. BOOM 118'	71,100	15.51	5.05	7.11	1.49	0.00	143
	T40XX006		MAX CAP. 17.5 TON, MAX. BOOM 140'	83,605	18.22	5.93	8.36	1.75	0.00	193
	0.20 DUMP BODY, REAR									
		NO SPECIFIC MANUFACTURER								
	T40XX007		5 CY, 24000 TO 26000 GVW	7,383	1.58	0.52	0.74	0.15	0.00	26
	T40XX008		8 CY, 27000 TO 30000 GVW, AIR GATE	11,669	2.44	0.83	1.17	0.24	0.00	44
	T40XX009		10 CY, 36000 AND UP GVW, AIR GATE	11,801	2.47	0.84	1.18	0.25	0.00	45
	T40XX010		12 CY, 36000 AND UP GVW, AIR GATE	11,968	2.51	0.85	1.20	0.25	0.00	46
	0.30 FLATBEDS, W/ CONT. SIDES									
		NO SPECIFIC MANUFACTURER								
	T40XX011		8' x 8.0'	2,374	0.45	0.17	0.24	0.05	0.00	11
	T40XX012		8' x 9.0'	2,451	0.47	0.18	0.25	0.05	0.00	12
	T40XX013		8' x 10.0'	2,552	0.49	0.18	0.26	0.05	0.00	14
	T40XX014		8' x 12.0'	2,744	0.52	0.20	0.27	0.06	0.00	16
	T40XX015		8' x 14.0'	2,978	0.57	0.21	0.30	0.06	0.00	16
	T40XX016		8' x 16.0'	3,294	0.63	0.24	0.33	0.07	0.00	16
	T40XX017		8' x 18.0'	3,566	0.68	0.25	0.36	0.07	0.00	17
	T40XX018		8' x 20.0'	3,795	0.72	0.27	0.38	0.08	0.00	18
	T40XX019		8' x 22.0'	4,068	0.78	0.30	0.41	0.09	0.00	18
	T40XX020		8' x 24.0'	4,327	0.82	0.31	0.43	0.09	0.00	20
	T40XX021		2 TON, FLATBED HOIST	3,843	0.73	0.27	0.38	0.08	0.00	15
	T40XX022		4 TON, FLATBED HOIST	4,494	0.85	0.32	0.45	0.09	0.00	18

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	0.40	HOIST									
	0.41	ELECTRIC DRIVE									
		NO SPECIFIC MANUFACTURER									
	T40XX023		1500 LB AT 1.75'		2,829	0.66	0.20	0.28	0.06	0.00	4
	T40XX024		2400 LB AT 3'		3,287	0.76	0.24	0.33	0.07	0.00	6
	T40XX025		5000 LB AT 4'		9,082	1.92	0.65	0.91	0.19	0.00	15
	T40XX026		6000 LB AT 6'		10,248	2.15	0.72	1.02	0.21	0.00	14
	0.50	TRANSIT MIXERS									
		NO SPECIFIC MANUFACTURER									
	T40XX027		7 CY (ADD 40000-50000 GVW TRUCK)		32,016	6.77	2.35	3.40	0.65	0.00	63
	T40XX028		8 CY (ADD 50000-70000 GVW TRUCK)		32,509	6.87	2.39	3.45	0.66	0.00	66
	T40XX029		8.5 CY (ADD 55000-75000 GVW TRUCK)		32,844	6.94	2.42	3.49	0.67	0.00	68
	T40XX030		9 CY (ADD 61000-80000 GVW TRUCK)		33,313	7.04	2.45	3.54	0.68	0.00	73
	0.60	WATER TANKS									
		NO SPECIFIC MANUFACTURER									
	T40XX031		2000 GAL (ADD 23500-28000 GVW TRK)		14,257	2.72	1.02	1.43	0.30	0.00	35
	T40XX032		2500 GAL (ADD 25000-34950 GVW TRK)		15,017	2.85	1.06	1.50	0.31	0.00	39
	T40XX033		3000 GAL (ADD 29000-40000 GVW TRK)		15,959	3.04	1.13	1.60	0.33	0.00	44
	0.70	ALL OTHER OPTIONS									
		WALKER MFG.									
	T40WL001	8-13000	GUILLOTINE CONCRETE BREAKER 8'-3" WIDE, 10' HIGH, 15'6" LONG ADD 46,000 GVW TRUCK + FLATBED	140 HP D	95,474	24.67	6.78	9.55	2.00	4.23	275

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
T45 TRUCK TRAILERS										
0.10	BOTTOM DUMP									
		NO SPECIFIC MANUFACTURER								
	T45XX001		18 CY, 27 TON	31,254	5.72	1.83	2.42	0.62	0.00	122
	T45XX002		20 CY, 30 TON	37,081	6.69	2.19	2.91	0.73	0.00	140
	T45XX003		30 CY, 30 TON	37,417	6.75	2.21	2.94	0.74	0.00	160
	T45XX004		28 CY, 42 TON	44,603	8.10	2.61	3.45	0.88	0.00	180
	T45XX005		20 CY, 35 TON OFF-HIGHWAY	52,691	9.29	3.18	4.28	1.04	0.00	175
	T45XX006		32 CY, 55 TON OFF-HIGHWAY	111,743	20.89	6.29	8.15	2.21	0.00	365
	T45XX007		43 CY, 70 TON OFF-HIGHWAY	123,858	22.94	7.04	9.17	2.45	0.00	445
0.20	END DUMP									
		NO SPECIFIC MANUFACTURER								
	T45XX008		20 CY, 24 TON	41,487	7.27	2.47	3.29	0.82	0.00	146
0.30	PUP TRAILER									
		NO SPECIFIC MANUFACTURER								
	T45XX009		8 CY, LONG TONGUE	24,637	5.19	1.66	2.32	0.50	0.00	86
	T45XX010		10 CY, LONG TONGUE	24,828	5.23	1.68	2.34	0.51	0.00	86
0.40	LOWBOY (EQUIPMENT HAULING)									
0.41	RIGID NECK, DROP DECK									
		NO SPECIFIC MANUFACTURER								
	T45XX011		25 TON, 2 AXLE	24,375	3.78	1.28	1.49	0.53	0.00	89
	T45XX012		30 TON, 2 AXLE	27,269	4.21	1.43	1.68	0.59	0.00	94

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION	VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	T45XX013		35 TON, 2 AXLE	29,741	4.56	1.57	1.84	0.65	0.00	109
	T45XX014		35 TON, 3 AXLE	34,227	5.34	1.78	2.07	0.74	0.00	134
	T45XX015		40 TON, 3 AXLE	35,717	5.60	1.86	2.15	0.78	0.00	144
	T45XX016		50 TON, 3 AXLE	41,119	6.36	2.15	2.52	0.89	0.00	161
	T45XX017		60 TON, 3 AXLE	44,401	7.01	2.27	2.62	0.96	0.00	188
	T45XX018		70 TON, 3 AXLE	53,955	8.33	2.82	3.29	1.17	0.00	213
	T45XX019		75 TON, 3 AXLE	55,613	8.57	2.92	3.41	1.21	0.00	228
	T45XX020		80 TON, 4 AXLE	63,775	9.73	3.39	3.99	1.39	0.00	266
	T45XX021		90 TON, 4 AXLE	68,725	10.56	3.61	4.23	1.49	0.00	297
	T45XX022		100 TON, 4 AXLE	76,895	11.80	4.04	4.74	1.67	0.00	318
	T45XX023		120 TON, 4 AXLE	89,338	13.93	4.61	5.33	1.94	0.00	351
	T45XX024		HELPER DOLLY (60 TON TRAILER MAX)	21,136	3.38	1.08	1.24	0.46	0.00	62
	0.50 PLATFORM TRAILER									
		NO SPECIFIC MANUFACTURER								
	T45XX025		25 TON, 2 AXLE	19,886	3.20	1.01	1.15	0.43	0.00	110
	0.60 TILT TRAILER									
		NO SPECIFIC MANUFACTURER								
	T45XX026		12 TON, 2 AXLE	13,084	2.11	0.67	0.78	0.28	0.00	62
	T45XX027		16 TON, 2 AXLE	15,003	2.49	0.76	0.85	0.33	0.00	65
	T45XX028		20 TON, 2 AXLE	16,327	2.69	0.82	0.93	0.35	0.00	67
	0.70 WATER TANKER TRAILER									
		NO SPECIFIC MANUFACTURER								
	T45XX029		4000 GAL 63 HP D	37,559	8.01	2.08	2.51	0.82	1.91	120
	T45XX030		5000 GAL 63 HP D	39,633	8.49	2.13	2.54	0.86	1.91	150
	T45XX031		6000 GAL 63 HP D	41,389	8.75	2.23	2.66	0.90	1.91	160

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	0.80 DECONTAMINATION FACILITY										
		HAZCO									
	T45HA001		24 FOOT, 4 SHOWER UNIT		25,380	5.39	1.64	2.16	0.56	0.00	35
	T45HA002		30 FOOT, 4 SHOWER UNIT		30,604	6.48	1.99	2.61	0.68	0.00	45
	T45HA003		40 FOOT, 6 SHOWER UNIT		40,807	8.53	2.65	3.49	0.90	0.00	60
	0.90 TANK TRAILERS										
		WARNER FRUEHAUF									
	T45WR001	TEV-F2-R-5500	5500 GAL VAC. TANK TRLR,SA285C PRESS VESSEL STEEL, STRAIGHT FRAME CONSTR.		37,223	6.15	2.00	2.37	0.81	0.00	144
	T45WR002	TKV-F2-R-5500	5500 GAL VAC. TANK TRLR, T316L S.S VESSEL, STRAIGHT FRAME CONSTR.		51,948	8.45	2.83	3.40	1.13	0.00	145
	T45WR003	TKX-F2-R-7000	7000 GAL INSUL. TANK TRLR, T316L S.S. VESSEL, STRAIGHT FRAME CONSTR.		46,278	7.57	2.51	3.00	1.01	0.00	129
	T45WR004	TEV-F2-W-5500	7000 GAL INSUL. TANK TRLR, T316L S.S. VESSEL, ASYMMETRICAL DOUBLE CONICAL CONSTRUCTION		48,118	7.85	2.62	3.13	1.05	0.00	129
	T45WR005	TEV-F2-R-5000	5000 GAL CORROSIVE TANK TRLR, T316L S.S. VESSEL, STRAIGHT FRAME CONSTR.		40,581	6.67	2.18	2.60	0.88	0.00	110
T50	TRUCKS, HIGHWAY (add attachments as required)										
	0.01 0 THRU 10,000 GVW										
		FORD									
	T50FO001	F150	4X2 1/2-TON PICK-UP, 4900 GVW	137 HP G	11,824	5.55	0.87	1.21	0.26	2.26	32
	T50FO002	F150	4X4 1/2-TON PICK-UP, 6250 GVW	137 HP G	13,817	6.04	1.02	1.43	0.30	2.26	37
	T50FO003	F250	4X2 3/4-TON PICK-UP, 8600 GVW	137 HP G	12,900	5.83	0.94	1.31	0.28	2.26	37
	T50FO004	F250	4X4 3/4-TON PICK-UP, 8800 GVW	137 HP G	15,786	6.54	1.16	1.62	0.35	2.26	40
	T50FO005	F350	4X2 1-TON PICK-UP,10000 GVW	137 HP G	15,102	6.43	1.09	1.51	0.33	2.26	43

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		GMC AND CHEVROLET									
	T50GM001	S10	4X2 COMPACT PICKUP, 3500 GVW	92 HP G	9,716	4.19	0.71	0.99	0.21	1.52	26
	T50GM002	S10	4X4 COMPACT PICKUP, 3800 GVW	92 HP G	11,603	4.60	0.85	1.19	0.25	1.52	29
	T50GM003	C14	4X2 1500 PICKUP, 5200 GVW	150 HP G	11,332	5.73	0.83	1.16	0.25	2.47	37
	T50GM004	C10906	4X2 SUBURBAN, 8600 GVW	165 HP G	15,970	7.07	1.18	1.66	0.35	2.72	47
	T50GM005	K10906	4X4 SUBURBAN, 8600 GVW	165 HP G	17,652	7.47	1.31	1.84	0.39	2.72	50
	T50GM006	C24	4X2 2500 PICKUP, 7200 GVW	245 HP G	12,624	7.98	0.93	1.29	0.28	4.04	41
	T50GM007	K24	4X4 2500 PICKUP, 7200 GVW	245 HP G	14,618	8.47	1.07	1.50	0.32	4.04	49
	T50GM008	C34	4X2 3500 PICKUP, 8600 GVW	245 HP G	13,249	8.12	0.97	1.36	0.29	4.04	43
	T50GM009	K34	4X4 3500 PICKUP, 8600 GVW	245 HP G	15,308	8.63	1.13	1.58	0.34	4.04	50
0.02	OVER 10,000 THRU 30,000 GVW										
		FORD									
	T50FO006	F600	21,000 GVW, 2 AXLE	164 HP G	27,056	13.16	1.77	2.38	0.58	6.08	70
	T50FO007	F600	21,000 GVW, 2 AXLE	213 HP D	29,252	11.45	1.93	2.59	0.63	4.52	70
	T50FO008	F700	22,200 GVW, 2 AXLE	164 HP G	29,141	13.56	1.92	2.58	0.63	6.08	75
	T50FO009	F700	22,200 GVW, 2 AXLE	213 HP D	33,879	12.33	2.24	3.02	0.73	4.52	75
	T50FO010	F800	24,700 GVW, 2 AXLE	213 HP G	31,493	16.36	2.07	2.78	0.68	7.90	82
	T50FO011	F800	24,500 GVW, 2 AXLE	210 HP D	37,978	13.37	2.46	3.27	0.82	4.45	82
		GMC AND CHEVROLET									
	T50GM010	C5D042	4X2, 2 AXLE, 15000 GVW	163 HP G	23,384	12.41	1.52	2.04	0.50	6.04	54
	T50GM011	C6D042	4X2, 2 AXLE, 24000 GVW	163 HP G	27,494	13.19	1.80	2.42	0.59	6.04	62
	T50GM012	C6D042	4X2, 2 AXLE, 24000 GVW	170 HP D	30,418	10.56	2.01	2.70	0.66	3.60	71
	T50GM013	C7D042	4X2, 2 AXLE, 24000 GVW	200 HP G	27,513	14.99	1.79	2.40	0.59	7.42	66
	T50GM014	C7D042	4X2, 2 AXLE, 24000 GVW	170 HP D	31,665	10.94	2.06	2.75	0.68	3.60	70
		INTERNATIONAL/NAVISTAR									
	T50IT001	1654	16,000 GVW, 4X2, S SERIES, 2 AXLE	155 HP D	21,984	8.42	1.45	1.96	0.47	3.29	67
	T50IT002	1754	16,000 GVW, 4X2, S SERIES, 2 AXLE	165 HP D	25,995	9.45	1.73	2.34	0.56	3.50	77
	T50IT003	1954	21,700 GVW, 4X2, S SERIES, 2 AXLE	180 HP D	30,985	10.92	2.05	2.75	0.67	3.82	83

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	FUEL	CWT
0.03	OVER 30,000 GVW										
		FORD									
	T50FO012	FT800	44,300 GVW, 3 AXLE	213 HP G	52,399	25.56	3.57	4.94	1.10	11.41	103
	T50FO013	LT8000	52,400 GVW, 3 AXLE	240 HP D	68,937	23.23	4.71	6.53	1.44	7.12	115
	T50FO014	LTS8000	54,000 GVW, 3 AXLE	240 HP D	73,185	24.10	5.00	6.94	1.53	7.12	116
	T50FO015	LNT8000	54,000 GVW, 3 AXLE	240 HP D	68,021	23.09	4.64	6.42	1.43	7.12	112
	T50FO016	CT8000	45,000 GVW, 3 AXLE	215 HP D	60,977	20.78	4.14	5.72	1.28	6.38	127
	T50FO017	LT9000	64,000 GVW, 3 AXLE	300 HP D	95,189	30.94	6.50	9.01	1.99	8.90	127
	T50FO018	LTS9000	66,000 GVW, 3 AXLE	240 HP D	100,567	29.86	6.86	9.50	2.11	7.12	133
	T50FO019	LNT9000	64,000 GVW, 3 AXLE	350 HP D	93,736	32.58	6.37	8.82	1.96	10.39	124
	T50FO020	CLT9000	64,000 GVW, 3 AXLE	400 HP D	110,357	37.48	7.60	10.58	2.31	11.87	130
		GMC AND CHEVROLET									
	T50GM015	C7D064	6X4, 3 AXLE, 41000 GVW	200 HP G	41,380	22.68	2.76	3.77	0.87	10.71	98
	T50GM016	C7D064	6X4, 3 AXLE, 41000 GVW	205 HP D	46,419	17.53	3.11	4.27	0.97	6.08	111
		INTERNATIONAL/NAVISTAR									
	T50IT004	F2554	43,000 GVW, 6X4, S SERIES, 3 AXLE	215 HP D	54,602	19.51	3.69	5.09	1.14	6.38	134
	T50IT005	F2574	50,000 GVW, 6X4, S SERIES, 3 AXLE	240 HP D	77,401	24.92	5.31	7.37	1.62	7.12	149
	T50IT006	F5070	54,000 GVW, 6X4, PAYSTAR SERIES,3AX	240 HP D	84,783	26.38	5.84	8.11	1.78	7.12	150
	T50IT007	F5070	53,200 GVW, 6X6, PAYSTAR SERIES,3AX	240 HP D	103,939	30.13	7.19	10.02	2.18	7.12	170
		KENWORTH									
	T50KE001	T800	33,000 GVW, 76,800 GCW, 2 AXLE	270 HP D	87,373	27.27	6.16	8.66	1.83	8.01	115
	T50KE002	T600A	33,000 GVW, 76,800 GCW, 2 AXLE	270 HP D	95,421	28.86	6.74	9.47	2.00	8.01	120
	T50KE003	C500B	46,000 GVW, 3 AXLE	270 HP D	95,536	29.01	6.72	9.43	2.00	8.01	136
	T50KE004	K100E	50,000 GVW, 85,000 GCW, 3 AXLE	270 HP D	98,245	29.54	6.91	9.70	2.06	8.01	138
	T50KE005	W900B	50,000 GVW, 85,000 GCW, 3 AXLE	270 HP D	100,455	29.97	7.06	9.92	2.10	8.01	140
		MACK TRUCKS									
	T50MT001	R690T	HAULING, 33,500 GVW, 4X2	275 HP D	73,504	24.93	5.13	7.17	1.54	8.16	101
	T50MT002	MH-612	35,000 GVW, 4X2	300 HP D	80,603	27.25	5.63	7.88	1.69	8.90	123
	T50MT003	RW732	HAULING, 35,000 GVW, 4X2	300 HP D	80,715	27.27	5.64	7.89	1.69	8.90	118

TABLE 2-I. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	T50MT004	MH-613	46,000 GVW, 6X4	300 HP D	90,549	29.44	6.30	8.79	1.90	8.90	149
	T50MT005	R690ST	HAULING, 44,500 GVW, 6X4	275 HP D	87,077	27.83	6.04	8.44	1.82	8.16	135
	T50MT006	RW733	HAULING, 46,000 GVW, 6X4	300 HP D	91,760	29.67	6.38	8.91	1.92	8.90	147
	T50MT007	RD690SX	DUMP/MIXER, 70,000 GVW, 6X4	275 HP D	96,466	29.68	6.71	9.38	2.02	8.16	179
	T50MT008	DM690SX	ON/OFF,DUMP/MIXER, 78,000 GVW, 6X4	275 HP D	101,465	30.67	7.07	9.88	2.13	8.16	185
	T50MT009	RD8666S	DUMP/MIXER, 50,000 GVW, 6X6	400 HP D	127,731	40.48	8.95	12.53	2.68	11.87	205
	T50MT010	RD8666SX	DUMP/MIXER, 74,000 GVW, 6X6	400 HP D	141,901	43.25	9.94	13.94	2.97	11.87	234
		PETERBILT									
	T50PE001	376	65000 GCW, 2 AXLE	250 HP D	69,186	23.50	4.75	6.60	1.45	7.42	95
	T50PE002	375	46000 GVW, 110000 GCW, 3 AXLE	285 HP D	85,494	28.54	5.80	8.02	1.79	8.46	130
	T50PE003	362	46000 GVW, 110000 GCW, 3 AXLE	300 HP D	102,098	32.35	6.98	9.68	2.14	8.90	142
	T50PE004	379	46000 GVW, 110000 GCW, 3 AXLE	315 HP D	104,875	33.46	7.18	9.96	2.20	9.35	145
	T50PE005	357	62000 GVW, 110000 GCW, 3 AXLE	285 HP D	98,385	31.07	6.72	9.31	2.06	8.46	155
T55	**TRUCKS, OFF-HIGHWAY**										
	**********										
		CATERPILLAR									
	T55CA001	769C	22-30 CY, 35T,REAR DUMP,POWERSHIFT	450 HP D	373,522	67.73	19.77	25.01	7.26	8.32	713
	T55CA002	773B	30-45 CY, 50T,REAR DUMP,POWERSHIFT	650 HP D	510,472	96.04	26.69	33.54	9.92	12.01	913
	T55CA003	777B	47-67 CY, 85T,REAR DUMP,POWERSHIFT	870 HP D	765,687	139.83	39.09	48.44	14.87	16.08	1,425
	T55CA004	768C	PRIME MOVER TRACTOR, POWERSHIFT	450 HP D	328,644	59.78	17.19	21.61	6.38	8.32	523
	T55CA005	772B	PRIME MOVER TRACTOR, POWERSHIFT	650 HP D	480,122	90.59	24.44	30.21	9.33	12.01	716
	T55CA006	776B	PRIME MOVER TRACTOR, POWERSHIFT	870 HP D	660,815	125.55	33.35	41.01	12.84	16.08	1,120
		DJB/CATERPILLAR									
	T55DJ001	D25D 4X4	13-18 CY, 25T, REAR DUMP, ARTIC, PS	260 HP D	264,219	46.57	13.91	17.55	5.13	4.80	455
	T55DJ002	D250B 6X4	15-19 CY, 25T, REAR DUMP, ARTIC, PS	218 HP D	240,228	41.43	12.76	16.18	4.67	4.03	423
	T55DJ003	D30D 4X4	17-22 CY, 30T, REAR DUMP, ARTIC, PS	285 HP D	310,694	55.26	16.22	20.38	6.03	5.27	470
	T55DJ004	D300B 6X6	17-22 CY, 30T, REAR DUMP, ARTIC, PS	260 HP D	295,702	51.79	15.58	19.68	5.74	4.80	436
	T55DJ005	D350D 6X6	20-26 CY, 35T, REAR DUMP, ARTIC, PS	285 HP D	361,900	64.39	18.86	23.65	7.03	5.27	544
	T55DJ007	D400 DWL 6X6	22-30 CY, 40T, REAR DUMP, ARTIC, PS	385 HP D	400,926	74.40	20.76	25.93	7.79	7.11	617
	T55DJ010	D350D DWL 6X6	18-26 CY, 35T, REAR DUMP, ARTIC, PS	285 HP D	371,340	62.36	19.70	24.98	7.21	5.27	545
	T55DJ011	D40D 4X4	19-26 CY, 40T, REAR DUMP, ARTIC, PS	385 HP D	405,318	69.76	21.52	27.29	7.87	7.11	617

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		EUCLID/VME									
	T55EU001	R25	14-19 CY, 25T, REAR DUMP,POWERSHIFT	230 HP D	237,940	40.22	12.60	15.95	4.62	4.25	404
	T55EU002	R35	22-30 CY, 35T, REAR DUMP,POWERSHIFT	450 HP D	389,817	69.94	20.65	26.16	7.57	8.32	623
	T55EU003	R50	32-44 CY, 50T, REAR DUMP,POWERSHIFT	675 HP D	560,921	103.51	29.46	37.11	10.90	12.47	860
	T55EU004	R85-B	49-67 CY, 85T, REAR DUMP,POWERSHIFT	925 HP D	695,128	130.22	35.48	43.96	13.50	17.09	1,409
		TEREX									
	T55TE001	2566	14-17 CY, 23 TON, REAR DUMP, ARTIC	224 HP D	240,035	42.26	12.75	16.17	4.66	4.14	370
	T55TE002	2766	16-19 CY, 25 TON, REAR DUMP, ARTIC	237 HP D	261,030	45.60	13.62	17.10	5.07	4.38	379
	T55TE003	3066	17-21 CY, 27 TON, REAR DUMP, ARTIC	258 HP D	280,686	49.00	14.66	18.42	5.45	4.77	397
	T55TE004	33-05B	20-25 CY, 30 TON, REAR DUMP, PS	324 HP D	298,009	53.83	15.69	19.79	5.79	5.99	499
	T55TE005	4066	23-29 CY, 36 TON, REAR DUMP, ARTIC	359 HP D	366,729	69.26	19.04	23.84	7.12	6.63	553
	T55TE006	33-07	26-34 CY, 40 TON, REAR DUMP, PS	500 HP D	369,408	73.23	18.96	23.55	7.18	9.24	743
	T55TE007	33-09	36-47 CY, 55 TON, REAR DUMP, PS	620 HP D	478,900	88.80	24.55	30.49	9.30	11.46	933
	T55TE008	33-11D	51-70 CY, 85 TON, REAR DUMP, PS	861 HP D	691,012	127.11	35.46	44.08	13.42	15.91	1,274
		UNIT RIG									
	T55UN001	MARK 24	45-63 CY, 85 TON, REAR DUMP	900 HP D	522,685	106.13	26.03	31.75	10.15	16.63	1,300
	T55UN002	MARK 30	63-85 CY, 120 TON, REAR DUMP	1,200 HP D	652,680	132.34	32.90	40.44	12.68	22.18	1,560
	T55UN003	MARK 36	92-126 CY, 170 TON, REAR DUMP	1,600 HP D	815,157	177.32	39.19	46.71	15.83	29.57	1,950
		VOLVO/VME									
	T55VO001	A-20	12-16 CY, 20 TON, 6X6, REAR DUMP	186 HP D	169,949	31.60	8.80	11.00	3.30	3.44	346
	T55VO002	A-25	13-17 CY, 25 TON, 4X4, REAR DUMP	240 HP D	212,600	40.00	11.04	13.82	4.13	4.44	325
	T55VO003	A-25	13-17 CY, 25 TON, 6X6, REAR DUMP	240 HP D	228,001	41.30	11.97	15.08	4.43	4.44	373
	T55VO004	A-35	21-25 CY, 35 TON, 6X6, REAR DUMP	326 HP D	302,924	56.35	15.74	19.71	5.88	6.02	538
		WABCO/DRESSER									
	T55WA001	140M	30 CY, 33-43 TON, MECH REAR DUMP	485 HP D	421,728	75.12	22.40	28.42	8.19	8.96	652
	T55WA002	210M	44 CY, 44-59 TON, MECH REAR DUMP	675 HP D	554,281	105.43	28.75	35.96	10.77	12.47	849
	T55WA003	325M	67 CY, 83-98 TON, MECH REAR DUMP	930 HP D	724,890	135.91	36.92	45.67	14.08	17.19	1,270
	T55WA005	510E	100 CY, 116-153 TON, MECH REAR DUMP	1,350 HP D	1,408,028	249.44	72.23	89.76	27.35	24.95	2,005

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
T57 TRUCKS, VACUUM											
		CUSCO INDUSTRIES									
	T57CU001	INDUSTRIAL VAC	5500 GAL, 750 CFM, TRLR MTD REAR DOOR & HYDRAULIC DUMP SYSTEM	76 HP D	69,111	14.90	4.18	5.53	1.41	2.30	76
	T57CU002	SS INDUST. VAC	5500 GAL,SS, 750 CFM, TRLR MTD REAR DOOR & HYDRAULIC DUMP SYSTEM	76 HP D	85,547	17.76	5.17	6.84	1.75	2.30	76
	T57CU003	2127	5500 GAL,2100 CFM, TRLR MTD W/REAR DOOR & HYDRAULIC DUMP SYSTEM	115 HP D	107,419	23.04	6.49	8.59	2.19	3.48	115
	T57CU004	3127	5500 GAL,3170 CFM, TRLR MTD W/REAR DOOR & HYDRAULIC DUMP SYSTEM	177 HP D	117,133	27.05	7.08	9.37	2.39	5.35	177
	T57CU005	4527	5500 GAL,4550 CFM, TRLR MTD W/REAR DOOR & HYDRAULIC DUMP SYSTEM	335 HP D	155,075	39.62	9.38	12.41	3.17	10.13	335
T60 TRUCKS, WATER, OFF-HIGHWAY											
		KLEIN									
	T60KI001	KT-50	5,000 GALLON,WITH CAT 613C TRACTOR	175 HP D	176,233	33.11	9.00	10.92	3.54	5.29	320
	T60KI002	KT-60	6,000 GALLON,WITH CAT 621E TRACTOR	330 HP D	307,507	59.62	15.50	18.63	6.18	9.98	580
	T60KI003	KT-80	8,000 GALLON,WITH CAT 631E TRACTOR	450 HP D	442,120	84.08	22.46	27.14	8.89	13.61	751
	T60KI004	KT-100	10,000 GALLON,WITH CAT 631E TRACTOR	450 HP D	448,427	84.96	22.79	27.56	9.01	13.61	811
	T60KI005	KT-100	10,000 GALLON,WITH CAT 651E TRACTOR	550 HP D	537,547	102.39	27.28	32.96	10.80	16.63	1,001
	T60KI006	KT-120	12,000 GALLON,WITH CAT 651E TRACTOR	550 HP D	542,550	103.10	27.55	33.30	10.90	16.63	1,097
		SOUTHWEST									
	T60SO001	STT-60	6,000 GALLON WITH CAT 621E TRACTOR	330 HP D	352,162	65.89	17.89	21.61	7.08	9.98	610
	T60SO002	STT-80	8,000 GALLON WITH CAT 631E TRACTOR	450 HP D	487,767	90.51	24.89	30.17	9.80	13.61	812
	T60SO003	STT-100	10,000 GALLON WITH CAT 631E TRACTOR	450 HP D	495,548	91.61	25.31	30.69	9.96	13.61	897
	T60SO004	STT-120	12,000 GALLON WITH CAT 651E TRACTOR	550 HP D	616,010	114.00	31.33	37.90	12.38	16.63	1,149
	T60SO005	STT-140	14,000 GALLON WITH CAT 651E TRACTOR	550 HP D	626,812	115.52	31.91	38.62	12.60	16.63	1,184

TABLE 2-I. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
T65	TUNNEL/MINING EQUIPMENT										
	0.10 DRIFTING & TUNNELING DRILLS										
		ATLAS COPCO									
	T65AS001	H104	HYDRAULIC SINGLE-BOOM DRILL FOR CROSS SECTIONS, 65-215 SF	67 HP D	264,627	40.32	13.06	15.96	5.08	2.53	192
	T65AS002	H244	HYDRAULIC SINGLE-BOOM DRILL FOR CROSS SECTIONS, 108-345 SF	114 HP D	399,913	61.37	19.76	24.17	7.67	4.31	289
	T65AS003	H130	HYDRAULIC TWIN-BOOM DRILL FOR CROSS SECTIONS, 130-430 SF	148 HP D	528,154	81.02	26.07	31.88	10.13	5.59	507
	T65AS004	H177	HYDRAULIC TWIN-BOOM DRILL FOR CROSS SECTIONS, 592-1300 SF	148 HP D	662,256	99.70	32.71	40.02	12.70	5.59	568
	T65AS005	H185	HYDRAULIC TWIN-BOOM DRILL FOR CROSS SECTIONS, 480-1070 SF	322 HP D	916,095	143.25	45.29	55.43	17.57	12.17	684
	T65AS006	H179	HYDRAULIC FOUR-BOOM DRILL FOR CROSS SECTIONS, 700-1600 SF	268 HP D	1,060,181	161.00	52.38	64.09	20.33	10.13	957
	T65AS007	H526	HYDRAULIC RAILDRILL, SINGLE-BOOM FOR CROSS SECTIONS, 65-269 SF	67 HP E	218,236	39.60	10.82	13.25	4.19	5.36	137
	T65AS008	H528	HYDRAULIC RAILDRILL, TWIN-BOOM FOR CROSS SECTIONS, 86-485 SF	134 HP E	375,545	70.70	18.60	22.80	7.20	10.72	198
	0.20 TUNNEL BORING MACHINES										
		ATLAS COPCO									
	T65AS009	JARVA MK8	TUNNEL BORING MACHINE 475 TON THRUST, 8-10' DIAMETER	697 HP E	2,329,877	278.77	88.34	90.02	43.33	48.79	10,472
	T65AS010	JARVA MK12	TUNNEL BORING MACHINE 750 TON THRUST, 11-14' DIAMETER	1,207 HP E	3,403,169	427.95	129.04	131.49	63.29	84.49	16,535
	T65AS011	JARVA MK27	TUNNEL BORING MACHINE 1400 TON THRUST, 20-28' DIAMETER	2,716 HP E	9,652,917	1,135.73	366.00	372.95	179.52	190.12	30,865

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		VOEST-ALPINE									
	T65VA001	ATB 35	TUNNEL BORING MACHINE, 150 TONS 3.50 DIAMETER	1,250 HP E	3,251,087	407.09	123.27	125.61	60.46	87.50	3,307
	T65VA002	ATB 45	TUNNEL BORING MACHINE, 225 TONS 5.00 DIAMETER	1,275 HP E	5,257,436	583.36	199.35	203.13	97.78	89.25	4,960
	T65VA003	ATB 80	TUNNEL BORING MACHINE, 500 TONS 8.00 DIAMETER	2,885 HP E	11,471,635	1,283.22	434.96	443.22	213.35	201.95	11,023
0.30	PRODUCTION DRILLING RIGS										
		ATLAS COPCO									
	T65AS012	SIMBA H350	HYDRAULIC PRODUCTION DRILL RIG HIGH CAPACITY, METHOD MATCHED	120 HP E	384,675	78.33	21.05	27.16	7.47	9.60	254
	T65AS013	SIMBA H260	HYDRAULIC PRODUCTION DRILL RIG HIGH CAPACITY, WITH DRILLING	60 HP E	249,756	48.38	13.67	17.63	4.85	4.80	135
	T65AS014		HYDRAULIC DRILL UNIT, SUPER LONG-HOLE DRILL WAGON	50 HP E	196,608	38.75	10.75	13.86	3.82	4.00	73
	T65AS015		PNEUMATIC PRODUCTION DRILLING BIG HOLE WAGON (ADD COMP)	425 CFM A	62,404	11.59	3.39	4.36	1.21	0.00	30
		FLETCHER MINING									
	T65FL001	LHD	DRILLING SYSTEM, WITH DRILL UNIT & TENDER CAR, 2000PSI, 10' REACH	80 HP E	294,102	58.27	16.09	20.76	5.71	6.40	400
0.40	ROADHEADERS & CONTINUOUS MINERS										
		ATLAS COPCO									
	T65AS016	ET 120-L	ROADHEADER, 32 TONS 213" X 158" CUTTING RANGE	284 HP E	924,718	146.23	42.11	49.13	17.54	19.88	639
	T65AS017	ET 210-L	ROADHEADER, 57 TONS 270" X 186" CUTTING RANGE	456 HP E	1,421,534	226.62	64.72	75.52	26.96	31.92	1,146

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	T65AS018	ET 380-L	ROADHEADER, 99 TONS 386" X 276" CUTTING RANGE	510 HP E	2,092,503	315.75	95.26	111.16	39.68	35.70	1,984
	T65AS019	ET 450-L	ROADHEADER, 121 TONS 331" X 244"" CUTTING RANGE	644 HP E	2,071,550	328.12	94.32	110.05	39.29	45.08	2,425
		ANDERSON TUNNELING									
	T65AT001	RH 25	ROADHEADER, 25.4 TON 236" X 167" CUTTING RANGE	258 HP E	537,724	95.12	24.49	28.57	10.20	18.06	560
	T65AT002	RH 25L	ROADHEADER, LOW PROFILE, 25.4T	258 HP E	580,236	100.39	26.42	30.83	11.00	18.06	560
	T65AT003	RH 22	ROADHEADER, 35 TON 213" X 197" CUTTING RANGE	300 HP E	790,182	131.15	35.98	41.98	14.99	21.00	770
	T65AT004	RH 45	ROADHEADER, 50 TON	645 HP E	996,694	194.91	45.38	52.95	18.90	45.15	1,100
	T65AT005	RH 1/4	ROADHEADER, 66 TON 216" X 224" CUTTING RANGE	360 HP E	1,139,952	181.05	51.90	60.56	21.62	25.20	1,460
	T65AT006	RH90	ROADHEADER, 90 TON 236" X 197" CUTTING RANGE	486 HP E	1,705,481	265.34	77.64	90.60	32.34	34.02	1,980
		DOSCO									
	T65DO001	MD1100	ROADHEADER, 36.4 TONS 157" X 173" CUTTING RANGE	210 HP E	661,003	105.08	30.10	35.12	12.54	14.70	728
	T65DO002	MK2B	ROADHEADER, 48.5 TONS 170" X 227" CUTTING RANGE	260 HP E	880,848	137.88	40.11	46.80	16.71	18.20	970
	T65DO003	MK3	ROADHEADER, 91.5 TONS 236" X 300" CUTTING RANGE	525 HP E	1,437,234	236.50	65.44	76.35	27.26	36.75	1,830
	T65DO004	TB 3000	TWIN BOOM MINER, 137.8 TONS 236" X 350" CUTTING RANGE	995 HP E	2,870,581	465.98	130.69	152.50	54.44	69.65	2,756
	T65DO005	DIRTHEADER	CONTINUOUS MINER, 18.8 TONS	120 HP E	613,096	90.09	27.92	32.57	11.63	8.40	376
		DRESSER INDUSTRIES									
	T65DR001	102HP	CONTINUOUS MINER, 22 TONS, 26" TO 47" CUTTING RANGE	345 HP E	479,182	97.60	21.82	25.46	9.09	24.15	440
	T65DR002	1026	CONTINUOUS MINER, 42 TONS, 33" TO 101" CUTTING RANGE	440 HP E	813,606	149.61	37.04	43.22	15.43	30.80	845
	T65DR003	1036HP	CONTINUOUS MINER, 55 TONS, 46" TO 146" CUTTING RANGE	690 HP E	862,392	183.27	39.27	45.81	16.36	48.30	1,110

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	ADJUSTABLE ELEMENTS OWNERSHIP FUEL	CWT
		VOEST-ALPINE									
	T65VA004	AM 50	CONTIN. MINER & TUNNEL MACHINE 24TON, 157" X 189" CUTTING RANGE	230 HP E	716,991	112.03	32.65	38.09	13.60	16.10	480
	T65VA005	AM 65-132D	CONTIN. MINER & TUNNEL MACHINE 32TON, 170" X 191" CUTTING RANGE	465 HP E	1,145,812	188.82	52.17	60.87	21.73	32.55	706
	T65VA006	AM 75-160C	CONTIN. MINER & TUNNEL MACHINE 57TON, 185" X 201" CUTTING RANGE	465 HP E	1,432,957	224.44	65.25	76.13	27.18	32.55	1,146
	T65VA007	AM 100-300/360P	CONTIN. MINER & TUNNEL MACHINE 107 TONS	725 HP E	2,103,641	333.74	95.77	111.76	39.89	50.75	2,139
0.50	ROCK BOLTING EQUIPMENT										
		ATLAS COPCO									
	T65AS020	BOLTEC H625L	ROCK BOLTER, 32' VERTICAL REACH (WITH CARRIER ENGINE)	50 HP E 52 HP D	458,493	88.17	27.64	36.53	9.37	4.26	162
	T65AS021	BOLTEC H735H	ROCK BOLTER, 34' VERTICAL REACH (WITH CARRIER ENGINE)	50 HP E 82 HP D	554,070	105.51	33.41	44.17	11.32	4.41	202
		FLETCHER MINING									
	T65FL002	DDR	DUAL HEAD ROOF BOLTER, ANGLE DRILLING, 17.5 TONS, 9' REACH	80 HP E	184,063	43.34	11.09	14.66	3.76	6.40	350
	T65FL003	DDO	DUAL HEAD ROOF BOLTER, LOW PROFILE, 16 TONS	80 HP E	174,276	41.63	10.50	13.87	3.56	6.40	320
	T65FL004	HDDR	DUAL HEAD ROOF BOLTER, WALK-THRU CHASSIS, 20 TONS, 18' REACH	80 HP E	251,197	55.07	15.13	20.00	5.13	6.40	400
	T65FL005	DR	LONGWALL ROOF BOLTER, SINGLE HEAD, 6.6 TONS	40 HP E	110,825	25.01	6.66	8.79	2.26	3.20	132

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	0.60	LOADING & HAULING EQUIPMENT									
	0.61	DIESEL OR GASOLINE									
		EIMCO (EJC)									
	T65EI001	EJC 60	LOAD HAUL DUMP, 1.5 CY BUCKET 6000 LB. PAYLOAD	68 HP D	80,024	14.74	4.22	5.21	1.61	2.23	127
	T65EI002	EJC 100	LOAD HAUL DUMP, 2.8 CY BUCKET 10,000 LB. PAYLOAD	100 HP D	139,857	25.06	7.34	9.06	2.81	3.28	285
	T65EI003	EJC 130	LOAD HAUL DUMP, 3.5 CY BUCKET 13,000 LB. PAYLOAD	139 HP D	155,667	29.14	8.16	10.06	3.13	4.55	350
	T65EI004	EJC 210	LOAD HAUL DUMP, 6.0 CY BUCKET 21,000 LB. PAYLOAD	231 HP D	227,263	44.73	11.73	14.32	4.57	7.57	553
	T65EI005	EJC 300	LOAD HAUL DUMP, 8.0 CY BUCKET 30,000 LB. PAYLOAD	277 HP D	289,993	57.16	14.24	16.82	5.83	9.07	705
	T65EI006	EJC 400	LOAD HAUL DUMP, 16.0 CY BUCKET 40,000 LB. PAYLOAD	325 HP D	445,966	84.17	21.75	25.57	8.96	10.65	1,322
	T65EI007	EJC 60	LOAD HAUL DUMP, 1.5 CY BUCKET 6,000 LB. PAYLOAD	50 HP D	88,983	15.79	4.70	5.81	1.79	1.64	132
	T65EI008	EJC 80	LOAD HAUL DUMP, 2.25 CY BUCKET 8,000 LB. PAYLOAD	75 HP D	136,561	24.29	7.16	8.84	2.74	2.46	240
	T65EI009	EJC 100	LOAD HAUL DUMP, 2.8 CY BUCKET 10,000 LB. PAYLOAD	100 HP D	154,626	28.20	8.14	10.05	3.11	3.28	310
	T65EI010	EJC 413	END DUMP TRUCK 9 CY CAPACITY 26,000 LB PAYLOAD, 4WD	139 HP D	146,288	27.90	7.63	9.38	2.94	4.55	325
	T65EI011	EJC 985-T15	END DUMP TRUCK 10 CY CAPACITY 30,000 LB PAYLOAD, 4WD	185 HP D	140,143	28.92	7.31	8.97	2.82	6.06	280
	T65EI012	EJC 430	END DUMP TRUCK 18 CY CAPACITY 60,000 LB PAYLOAD. 4WD	277 HP D	223,226	47.54	11.25	13.51	4.49	9.07	530
	T65EI013	EJC 450	END DUMP TRUCK 26.5 CY CAPACITY 50 TON PAYLOAD. 4WD	450 HP D	423,946	85.07	21.72	26.39	8.52	14.74	930
		WAGNER MINING									
	T65WG001	HST-05	SCOOPTRAM, 0.5 CY BUCKET 1500 LB CAPACITY	41 HP D	78,266	13.27	4.13	5.12	1.57	1.34	66
	T65WG002	ST-2D	SCOOPTRAM, 2.5 CY BUCKET 8000 LB CAPACITY, 4WD	82 HP D	144,349	24.95	7.58	9.36	2.90	2.69	248

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	T65WG003	ST-6C	SCOOPTRAM, 6.0 CY BUCKET 21,000 LB CAPACITY, 4WD	231 HP D	261,783	49.71	13.57	16.62	5.26	7.57	510
	T65WG004	ST-8B	SCOOPTRAM, 8.50 CY BUCKET 30,000 LB CAPACITY, 4WD	277 HP D	353,484	66.49	18.17	22.14	7.10	9.07	790
	T65WG008	MT-406	REAR DUMP TRUCK, 4.4 CY CAP 13,200 LB PAYLOAD, 4WD	82 HP D	94,846	17.35	5.03	6.24	1.91	2.69	131
	T65WG009	MT-416	REAR DUMP TRUCK, 10.7 CY CAP 16 TON PAYLOAD, 4WD	185 HP D	179,505	34.28	9.47	11.71	3.61	6.06	343
	T65WG010	MT-433	REAR DUMP TRUCK, 22.0 CY CAP 33 TON PAYLOAD, 4WD	277 HP D	301,069	58.93	15.38	18.65	6.05	9.07	623
	T65WG011	MT-444	REAR DUMP TRUCK, 29.3 CY CAP 44 TON PAYLOAD, 4WD	475 HP D	398,778	82.87	20.30	24.57	8.01	15.56	725
0.62	ELECTRIC										
		VOEST-ALPINE									
	T65VA008	AL 30	FACE FEED LOADER, 1.6 CY BUCKET	100 HP E	526,711	78.84	24.92	28.92	10.46	7.00	500
	T65VA009	AL 60	FACE FEED LOADER, 2.6 CY BUCKET	215 HP E	861,555	127.02	41.72	49.23	17.10	15.05	1,102
		WAGNER MINING									
	T65WG005	EHST-05	SCOOPTRAM, 0.5 CY BUCKET 1500 LB CAPACITY	30 HP E	94,572	15.17	4.54	5.32	1.88	2.10	60
	T65WG006	EST-2D	SCOOPTRAM, 2.5 CY BUCKET 8000 LB CAPACITY, 4WD	75 HP E	173,087	30.17	8.28	9.67	3.44	5.25	254
	T65WG007	EST-6C	SCOOPTRAM, 6.0 CY BUCKET 21,000 LB CAPACITY, 4WD	175 HP E	313,700	60.01	14.84	17.21	6.23	12.25	500
0.63	AIR-POWERED										
		ATLAS COPCO									
	T65AS022	LM 37	RAILBOUND OVERHEAD LOADER 5.0 CF BUCKET (ADD COMP)	210 CFM A	42,464	8.12	2.48	3.18	0.89	0.00	43
	T65AS023	LM 57	RAILBOUND OVERHEAD LOADER 9.2 CF BUCKET (ADD COMP)	280 CFM A	49,326	9.20	2.89	3.70	1.04	0.00	60

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	T65AS024	CAVO 310	WHEELED LOAD-AND-CARRY DUMPER 4.6 CF BUCKET (ADD COMP)	280 CFM A	71,536	13.38	4.15	5.27	1.51	0.00	70
	T65AS025	CAVO 320	WHEELED OVERHEAD LOADER 11 CF BUCKET (ADD COMP)	280 CFM A	73,143	13.63	4.24	5.39	1.54	0.00	90
0.70	LOCOMOTIVES										
		BROOKVILLE MINING									
	T65BR001		15 TON LOCOMOTIVE, CHAIN DRIVE 24" GAUGE, 375 TON CAP SCH. #24	139 HP D	115,159	21.18	6.15	7.68	2.31	4.55	300
	T65BR002		15 TON LOCOMOTIVE, CHAIN DRIVE 24" GAUGE, 375 TON CAP SCH. #31	139 HP D	134,198	23.94	7.18	8.95	2.70	4.55	300
	T65BR003		20 TON LOCOMOTIVE, CHAIN DRIVE 24" GAUGE, 500 TON CAP SCH. #24	139 HP D	131,963	23.61	7.05	8.80	2.65	4.55	400
	T65BR004		20 TON LOCOMOTIVE, CHAIN DRIVE 24" GAUGE, 500 TON CAP SCH. #31	139 HP D	155,764	27.04	8.32	10.38	3.13	4.55	400
	T65BR005		25 TON LOCOMOTIVE, PLANETARY DR 30" GAUGE, 625 TON CAP SCH. #24	185 HP D	145,902	27.13	7.80	9.73	2.93	6.06	500
	T65BR006		25 TON LOCOMOTIVE, PLANETARY DR 30" GAUGE, 625 TON CAP SCH. #31	185 HP D	169,704	30.57	9.07	11.31	3.41	6.06	500
	T65BR007		35 TON LOCOMOT1VE, PLANETARY DR 36" GAUGE, 875 TON CAP SCH. #24	375 HP D	193,869	40.29	10.36	12.92	3.90	12.29	700
	T65BR008		35 TON LOCOMOTIVE, PLANETARY DR 36" GAUGE, 875 TON CAP SCH. #31	375 HP D	212,910	43.04	11.38	14.19	4.28	12.29	700
	T65BR009		45 TON LOCOMOTIVE, PLANETARY DR 42" GAUGE, 1125 TON CAP SCH. #24	375 HP D	213,315	43.10	11.40	14.22	4.29	12.29	900
	T65BR010		45 TON LOCOMOTIVE, PLANETARY DR 42" GAUGE, 1125 TON CAP SCH. #31	375 HP D	227,595	45.15	12.16	15.17	4.57	12.29	900
0.90	OTHER TUNNELING EQUIPMENT										
		ANDERSON TUNNELING									
	T65AT007		BRIDGE CONVEYOR	25 HP E	53,348	12.99	3.23	4.27	1.09	1.75	22
	T65AT008		SLEWING BELT CONVEYOR	16 HP E	74,501	15.74	4.50	5.96	1.52	1.12	11

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		DOSCO									
	T65DO007	24HC	DUST EXTRACTOR, 11,653 CFM CAP 77 LBS/HR DUST LOADING	50 HP E	47,709	13.68	2.88	3.82	0.97	3.50	37
	T65DO008	30HC	DUST EXTRACTOR, 21,188 CFM CAP 187 LBS/HR DUST LOADING	75 HP E	64,831	19.35	3.92	5.19	1.32	5.25	64
		DRESSER INDUSTRIES									
	T65DR004	5010	CONTINUOUS HAULAGE SYSTEM, WITH BRIDGE CONVEYOR	60 HP E	478,645	90.73	28.93	38.29	9.78	4.20	233
	T65DR005	94L/506C5	CONTINUOUS HAULAGE SYSTEM, WITH BRIDGE CONVEYOR	52 HP E	334,985	64.93	20.24	26.80	6.84	3.64	156
		EIMCO (EJC)									
	T65EI014	EJC 955	UTILITY VEHICLE, W/SCISSOR LIFT 3,000 LB PAYLOAD	40 HP D	62,081	12.71	3.70	4.85	1.27	1.31	60
	T65EI015	EKC 975A	UTILITY VEHICLE, W/FLATBED	90 HP D	72,987	16.63	4.36	5.74	1.49	2.95	100
		FLETCHER MINING									
	T65FL006		RAIL RANGER, 15-16 PERSON, RAIL TRACK MOUNTED	55 HP D	58,584	12.48	3.55	4.69	1.20	1.80	150
		TELEDYNE									
	T65TL001	TM17HD-1425X	MOBILE ROCK BREAKER, 5500 FT LB (WITH CARRIER ENGINE)	120 HP D 86 HP D	281,153	55.11	16.90	22.32	5.74	4.44	390
	T65TL002	DS-25	MOBILE SCALER, 750 FT LB (WITH CARRIER ENGINE)	84 HP D 86 HP D	193,623	38.37	11.62	15.31	3.96	3.26	330
	T65TL003		ANFO EXPLOS. LDR VEH, 1200LB CAP (WITH CARRIER ENGINE)	84 HP D 86 HP D	150,100	30.79	8.99	11.83	3.07	3.26	280
	T65TL004	MIGHTY MOVER	FORKLIFT TRANSPORTER, 9000LB CAP (WITH CARRIER ENGINE)	84 HP D 86 HP D	146,993	30.24	8.79	11.58	3.00	3.26	310
	T65TL005		HVY DUTY SCISSOR LIFT 6000LB CAP (WITH CARRIER ENGINE)	84 HP D 86 HP D	113,684	24.44	6.78	8.92	2.32	3.26	280

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
W10 WAGONS, BOTTOM DUMP											
		CATERPILLAR-ATHEY									
	W10CE001	621/PW621E	22-27 CY, 30 TON, POWERSHIFT	330 HP D	316,145	63.97	16.27	20.26	6.14	9.98	579
	W10CE002	768/PW768C	42-48 CY, 57 TON, POWERSHIFT	450 HP D	463,453	91.75	23.72	29.44	9.00	13.61	935
	W10CE003	772/PW772B	60-67 CY, 91 TON, POWERSHIFT	650 HP D	707,563	138.96	36.04	44.60	13.74	19.66	1,360
W15 WAGONS, REAR DUMP											
		CATERPILLAR-ATHEY									
	W15CE001	621/PR621E	22-26 CY, 30 TON, POWERSHIFT	330 HP D	331,663	64.60	17.18	21.48	6.44	9.98	630
	W15CE002	631/PR631E	27-32 CY, 36 TON, POWERSHIFT	450 HP D	481,560	91.15	24.28	29.86	9.35	13.61	833
W25 WATER & CO2 BLASTERS											
0.10	LOW PRESSURE,	(< 5,000 PSI)									
		ACE ENTERPRISES									
	W25AC001	4030 BG	HIGH PRES DIR DR, 4.0 GPM,3,000 PSI	11 HP G	3,133	2.79	0.37	0.60	0.07	1.11	2
	W25AC002	B4030 BG	HIGH PRES BELT DR,4.0 GPM,3,000 PSI	11 HP G	3,334	2.89	0.40	0.64	0.08	1.11	2
	W25AC003	5535 BG	HIGH PRES DIR DR, 5.5 GPM,3,000 PSI	18 HP G	4,762	4.43	0.57	0.92	0.11	1.82	2
	W25AC004	B5535 BG	HIGH PRES BELT DR,5.5 GPM,3,000 PSI	18 HP G	5,043	4.57	0.61	0.98	0.12	1.82	2
		ATLANTIC									
	W25AN001	E200	COLD WATER, 1,800 PSI	5 HP E	2,433	2.07	0.31	0.49	0.06	0.48	2
	W25AN002	2000	HOT WATER, 1,800 PSI	5 HP E	3,843	2.74	0.48	0.77	0.09	0.48	2
	W25AN003	H320	COLD WATER, 3,200 PSI	11 HP G	2,937	2.75	0.37	0.59	0.07	1.11	2
	W25AN004	3200	HOT WATER, 3,200 PSI	11 HP G	4,848	3.65	0.60	0.97	0.11	1.11	2

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
		CDS GROUP									
	W25CD001	16W	ACCUSTRIP WET ABRASIVE BLASTER 6 CF, 1 NOZ (ADD COMPRESSOR)	1,600 CFM A	15,379	7.84	1.90	3.08	0.36	0.00	12
	W25CD002	220	ACCUSTRIP WET ABRASIVE BLASTER 20 CF, 2 NOZ (ADD COMPRESSOR)	1,600 CFM A	25,622	12.97	3.16	5.12	0.60	0.00	19
		HOMELITE									
	W25HO001	HPW2000B	PRESSURE WASHER, 4.0 GPM, 2,000 PSI	9 HP D	1,680	1.31	0.21	0.34	0.04	0.40	2
	W25HO002	HPW3000B	PRESSURE WASHER, 5.4 GPM, 3,000 PSI	13 HP D	2,887	2.10	0.36	0.58	0.07	0.58	2
		NLB CORP									
	W25NL001	NLB 6200E	WATER BLASTING PUMPING UNIT 50 GMP AT 1000-6000 PSI, 50 LF HOSE ADJUSTABLE DISCHARGE	200 HP E	51,244	50.07	6.34	10.25	1.21	19.00	118
0.20	HIGH PRESSURE, (>= 5,000 PSI)										
		NLB CORP									
	W25NL002	20250	WATER BLASTER, SKID MOUNTED ADD TRUCK, FLATBED TRAILER, AND WATER TANKER	335 HP D	91,361	49.58	8.08	12.18	1.99	14.91	140
	W25NL003	NLB 20156E	WATER BLASTING PUMPING UNIT 13.2 GMP AT 20,000 PSI, 50 LF HOSE W/CLEANING LANCE, SKID MOUNTED	150 HP D	61,818	29.32	5.47	8.24	1.35	6.68	78
	W25NL004	4400	SPIN JET, ADD 2 WATER BLASTER PUMP PACKS	40 HP D	121,129	43.28	10.64	15.99	2.64	1.78	80
		WEATHERFORD/AMERICAN AERO									
	W25WE001	WBE 50TEFC	7 GPM AT 10,000 PSI WITH 2 NOZZLES TRAILER MOUNTED	50 HP E	30,938	17.38	2.71	4.08	0.67	4.75	27
	W25WE002	WBE 75TEFC	10 GPM AT 10,000 PSI WITH 2 NOZZLES TRAILER MOUNTED	75 HP E	33,633	21.76	2.95	4.44	0.73	7.13	29
	W25WE003	WBD 90	10 GPM AT 10,000 PSI WITH 2 NOZZLES TRAILER MOUNTED	91 HP D	43,284	19.72	3.81	5.73	0.94	4.05	34

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	ADJUSTABLE ELEMENTS OWNERSHIP FCCM	FUEL	CWT
	W25WE004	WBE 150TEFC	20 GPM AT 10,000 PSI WITH 2 NOZZLES TRAILER MOUNTED	150 HP E	51,203	38.09	4.52	6.79	1.12	14.25	39
	W25WE005	WBD150	20 GPM AT 10,000 PSI WITH 2 NOZZLES TRAILER MOUNTED	160 HP D	62,270	29.99	5.49	8.26	1.36	7.12	59
	W25WE006	WBD200	20 GPM AT 16,000 PSI WITH 2 NOZZLES TRAILER MOUNTED	240 HP D	70,084	37.03	6.16	9.26	1.53	10.68	84
	W25WE007	WBD200T	16 GPM AT 20,000 PSI WITH 2 NOZZLES TRAILER MOUNTED	230 HP D	80,735	40.08	7.09	10.65	1.76	10.24	98
0.30	STEAM CLEANERS										
		ALKOTA									
	W25AO001	90	90 GPH, 200 PSI	1 HP E	2,055	1.61	0.26	0.41	0.05	0.10	4
	W25AO002	120	130 GPH, 325 PSI	1 HP E	2,317	1.98	0.28	0.46	0.05	0.10	4
	W25AO003	181	180 GPH, 250 PSI	1 HP E	3,377	2.50	0.42	0.68	0.08	0.10	5
	W25AO004	240	240 GPH, 250 PSI	2 HP E	3,386	2.88	0.42	0.68	0.08	0.19	6
	W25AO005	301T	300 GPH, 100 PSI	4 HP E	7,159	5.43	0.89	1.43	0.17	0.38	10
	W25AO006	246	STEAM GENERATOR, 100 PSI	1 HP E	4,729	3.14	0.59	0.95	0.11	0.10	6
0.40	CO2 BLASTERS										
		COLD JET									
	W25CJ001	65-100	CO2 BLASTER 1000 LBS/HR SINGLE HOSE DELIVERY (ADD COMPR)	20 HP E	162,177	40.34	11.51	16.22	3.40	1.40	38
	W25CJ002	65-150	CO2 BLASTER 1500 LBS/HR SINGLE HOSE DELIVERY (ADD COMPR)	24 HP E	221,291	54.71	15.71	32.13	4.64	1.68	47
	W25CJ003	65-200	CO2 BLASTER 1500 LBS/HR DUAL HOSE DELIVERY (ADD COMPR)	24 HP E	256,911	63.12	18.23	25.69	5.38	1.68	47

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
W30	**WATER TANKS**										
	0.10	PORTABLE W/ WHEELS									
		SOUTHWEST									
	W30SO001	EWT-8C	8000 GAL., 10" DISCHG PIPE, MOBILE	8 HP G	34,955	5.41	1.82	2.23	0.70	0.55	130
	W30SO002	EWT-10C	10000 GAL., 10" DISCHG PIPE, MOBILE	8 HP G	41,688	6.31	2.18	2.68	0.84	0.55	170
	W30SO003	EWT-12C	12000 GAL., 10" DISCHG PIPE, MOBILE	8 HP G	45,366	6.80	2.38	2.93	0.91	0.55	185
	0.20	SKID MOUNTED									
		SOUTHWEST									
	W30SO004	WST-8	8000 GAL. STAND-TOWER TANK,10"PIPE		22,333	2.81	1.20	1.49	0.45	0.00	107
	W30SO005	WST-10	10000 GAL. STAND-TOWER TANK,10"PIPE		24,935	3.13	1.33	1.66	0.50	0.00	122
	W30SO006	WST-12	12000 GAL. STAND-TOWER TANK,10"PIPE		28,761	3.61	1.54	1.92	0.58	0.00	142
W35	**WELDERS**										
	0.10	GASOLINE or DIESEL DRIVE									
		HOMELITE									
	W35HO001	HWG135	135 AMP, PORTABLE	7 HP G	1,266	0.97	0.09	0.11	0.03	0.60	1
	W35HO002	HWG180	180 AMP, PORTABLE	11 HP G	1,720	1.48	0.12	0.15	0.04	0.94	1
		NO SPECIFIC MANUFACTURER									
	W35XX001		250 AMP WITH 1 AXLE TRLR	27 HP D	7,812	2.77	0.50	0.66	0.17	1.02	21
	W35XX002		200 AMP WITH 1 AXLE TRLR	39 HP G	5,737	5.15	0.37	0.48	0.13	3.33	11
	W35XX003		300 AMP WITH 1 AXLE TRLR	38 HP D	8,353	3.39	0.54	0.71	0.18	1.44	21
	W35XX004		250 AMP WITH 1 AXLE TRLR	39 HP G	6,035	5.23	0.39	0.51	0.13	3.33	17
	W35XX005		350 AMP WITH 2 AXLE TRLR	38 HP D	9,395	3.59	0.60	0.78	0.21	1.44	25
	W35XX006		300 AMP WITH 1 AXLE TRLR	65 HP G	6,561	8.02	0.43	0.55	0.15	5.56	17

TABLE 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID. NO.	MODEL	EQUIPMENT DESCRIPTION		VALUE (TEV) 1990 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS OWNERSHIP DEPR	FCCM	FUEL	CWT
	W35XX007		400 AMP WITH 2 AXLE TRLR	64 HP D	10,161	4.93	0.65	0.84	0.23	2.42	30
	W35XX008		400 AMP WITH 1 AXLE TRLR	69 HP G	8,351	8.78	0.54	0.71	0.18	5.90	21
	0.20 ELECTRICAL										
	0.21 ELECTRIC DRIVE										
		NO SPECIFIC MANUFACTURER									
	W35XX009		300 AMP, SKID MTD	20 HP E	2,860	2.26	0.24	0.36	0.06	1.20	7
	W35XX010		400 AMP, SKID MTD	25 HP E	3,418	2.79	0.30	0.43	0.08	1.50	9
	0.22 MIG										
		NO SPECIFIC MANUFACTURER									
	W35XX011		300 AMP WITH WIRE FEED & SHOP GEAR	10 HP E	2,914	1.46	0.25	0.36	0.07	0.60	5
	W35XX012		450 AMP WITH WIRE FEED & SHOP GEAR	20 HP E	2,997	2.29	0.26	0.37	0.07	1.20	5
	0.23 RECTIFIER										
		NO SPECIFIC MANUFACTURER									
	W35XX013		200 AMP WITH SHOP RUNNING GEAR	19 HP E	1,316	1.83	0.11	0.16	0.03	1.14	4
	W35XX014		300 AMP WITH SHOP RUNNING GEAR	24 HP E	1,687	2.32	0.15	0.21	0.04	1.44	6
	W35XX015		750 AMP WITH SHOP RUNNING GEAR	30 HP E	4,630	3.47	0.39	0.58	0.10	1.80	7
	W35XX016		1000 AMP WITH SHOP RUNNING GEAR	42 HP E	8,112	5.21	0.69	1.01	0.18	2.52	10
	0.24 TRANSFORMER										
		NO SPECIFIC MANUFACTURER									
	W35XX017		250 AMP WITH SHOP RUNNING GEAR	19 HP E	602	1.68	0.05	0.08	0.01	1.14	4
	W35XX018		300 AMP WITH SHOP RUNNING GEAR	24 HP E	2,018	2.40	0.18	0.25	0.05	1.44	6

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE

HOURLY RATE ELEMENTS

This table contains all hourly rate elements as described in Chapter 2.

See Chapter 2, paragraph 2-3 for definitions.

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
A10																	
	A10AR001	0.39	0.06	0.00	0.00	0.00	0.00	0.27	0.72								
	A10AR002	0.74	0.12	0.00	0.00	0.00	0.00	0.52	1.38								
	A10ET001	5.55	1.45	3.58	0.75	0.26	0.03	4.90	16.52								
	A10ET002	5.79	1.51	4.47	0.93	0.26	0.03	5.11	18.10								
	A10ET003	6.31	1.64	3.58	0.75	0.26	0.03	5.58	18.15								
	A10ET004	6.57	1.71	4.47	0.93	0.26	0.03	5.80	19.77								
	A10RS001	5.10	1.33	3.58	0.75	0.26	0.03	4.51	15.56								
	A10RS002	5.20	1.36	3.58	0.75	0.26	0.03	4.59	15.77								
A15																	
	A15CJ001	1.72	0.52	11.38	4.45	0.00	0.00	1.25	19.32								
	A15CJ002	3.88	1.17	22.75	8.91	0.00	0.00	2.81	39.52								
	A15XX001	0.96	0.28	3.45	0.96	0.04	0.01	0.86	6.56								
	A15XX002	1.16	0.33	1.06	0.26	0.04	0.01	1.03	3.89								
	A15XX003	1.18	0.34	4.49	1.25	0.04	0.01	1.05	8.36								
	A15XX004	1.26	0.36	1.54	0.38	0.04	0.01	1.12	4.71								
	A15XX005	1.29	0.37	4.83	1.34	0.04	0.01	1.15	9.03								
	A15XX006	1.47	0.42	1.97	0.48	0.04	0.01	1.31	5.70								
	A15XX007	1.33	0.38	4.83	1.34	0.04	0.01	1.19	9.12								
	A15XX008	1.57	0.45	2.27	0.55	0.04	0.01	1.41	6.30								
	A15XX009	2.21	0.63	2.87	0.70	0.04	0.01	1.98	8.44								
	A15XX010	2.88	0.83	3.39	0.83	0.13	0.02	2.58	10.66								
	A15XX011	4.11	1.17	4.54	1.10	0.13	0.02	3.67	14.74								
	A15XX012	4.56	1.31	6.05	1.47	0.19	0.02	4.08	17.68								
	A15XX013	5.28	1.51	7.26	1.77	0.19	0.02	4.73	20.76								
	A15XX014	5.95	1.70	7.86	1.92	0.19	0.02	5.32	22.96								
	A15XX015	8.46	2.40	9.83	2.39	0.19	0.02	7.55	30.84								
	A15XX016	9.47	2.69	11.94	2.91	0.19	0.02	8.46	35.68								
	A15XX017	9.94	2.82	13.79	3.36	0.19	0.02	8.87	38.99								
A20																	
	A20CM001	0.34	0.04	0.00	0.06	0.00	0.00	0.57	1.01								
	A20CM002	0.60	0.07	0.00	0.06	0.00	0.00	1.01	1.74								
	A20CM003	0.66	0.08	0.00	0.06	0.00	0.00	1.10	1.90								
	A20CM004	0.89	0.11	0.00	0.13	0.00	0.00	1.49	2.62								
	A20CM005	2.37	0.28	0.00	0.13	0.00	0.00	3.95	6.73								
	A20CM006	2.71	0.33	0.00	0.28	0.06	0.01	4.55	7.94								
	A20CM007	3.25	0.41	0.00	0.41	0.17	0.02	5.51	9.77								
	A20CM008	3.39	0.43	0.00	0.51	0.19	0.02	5.74	10.28								
	A20CM009	1.94	0.23	0.00	0.30	0.00	0.00	3.24	5.71								
	A20GD001	0.16	0.02	0.00	0.06	0.00	0.00	0.26	0.50								
	A20GD002	0.38	0.04	0.00	0.11	0.00	0.00	0.63	1.16								
	A20GD003	0.40	0.05	0.00	0.11	0.00	0.00	0.66	1.22								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	PCCM	FUEL	POG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	PCCM	FUEL	POG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	A20GD004	0.19	0.02	0.00	0.06	0.00	0.00	0.32	0.59								
	A20GD005	0.21	0.03	0.00	0.06	0.00	0.00	0.36	0.66								
	A20GD006	0.73	0.09	0.00	0.13	0.00	0.00	1.22	2.17								
	A20WC001	0.23	0.03	0.00	0.11	0.00	0.00	0.38	0.75								
	A20WC002	0.30	0.04	0.13	0.19	0.00	0.00	0.50	1.16								
	A20WC003	0.74	0.09	0.28	0.08	0.00	0.00	1.23	2.42								
	A20WC004	0.75	0.09	0.28	0.08	0.00	0.00	1.26	2.46								
	A20XX001	0.13	0.01	0.00	0.00	0.00	0.00	0.20	0.34								
	A20XX002	0.14	0.01	0.00	0.00	0.00	0.00	0.21	0.36								
	A20XX003	0.18	0.02	0.00	0.00	0.00	0.00	0.26	0.46								
	A20XX004	0.21	0.02	0.00	0.00	0.00	0.00	0.31	0.54								
	A20XX005	0.29	0.03	0.00	0.00	0.00	0.00	0.44	0.76								
	A20XX006	0.35	0.03	0.00	0.00	0.00	0.00	0.52	0.90								
	A20XX007	0.72	0.07	0.00	0.00	0.00	0.00	1.08	1.87								
	A20XX008	1.09	0.10	0.00	0.00	0.00	0.00	1.62	2.81								
	A20XX009	0.04	0.00	0.00	0.00	0.00	0.00	0.06	0.10								
	A20XX010	0.05	0.00	0.00	0.00	0.00	0.00	0.07	0.12								
	A20XX011	0.11	0.01	0.00	0.00	0.00	0.00	0.17	0.29								
	A20XX012	0.14	0.01	0.00	0.00	0.00	0.00	0.21	0.36								
	A20XX013	0.17	0.02	0.00	0.00	0.00	0.00	0.25	0.44								
	A20XX014	0.25	0.02	0.00	0.00	0.00	0.00	0.38	0.65								
	A20XX015	0.33	0.03	0.00	0.00	0.00	0.00	0.49	0.85								
	A20XX016	0.48	0.04	0.00	0.00	0.00	0.00	0.71	1.23								
	A20XX017	0.11	0.01	0.00	0.00	0.00	0.00	0.17	0.29								
	A20XX018	0.15	0.01	0.00	0.00	0.00	0.00	0.24	0.40								
	A20XX019	0.18	0.02	0.00	0.00	0.00	0.00	0.30	0.50								
	A20XX020	0.23	0.02	0.00	0.00	0.00	0.00	0.37	0.62								
A25																	
	A25RS001	3.15	0.66	3.45	0.96	0.00	0.00	3.14	11.36								
	A25RS002	3.35	0.70	0.00	1.50	0.00	0.00	3.34	8.89								
	A25RS003	3.25	0.68	3.45	0.96	0.00	0.00	3.24	11.58								
	A25RS004	3.47	0.73	0.00	1.60	0.00	0.00	3.46	9.26								
	A25RS005	3.54	0.74	3.45	0.96	0.00	0.00	3.53	12.22								
	A25RS006	3.75	0.78	0.00	1.70	0.00	0.00	3.74	9.97								
	A25RS007	3.83	0.80	3.45	0.96	0.00	0.00	3.82	12.86								
	A25RS008	4.30	0.90	0.00	1.80	0.00	0.00	4.29	11.29								
A30																	
	A30BG001	13.82	3.59	3.27	0.80	0.57	0.07	16.28	38.40								
	A30BG002	16.64	4.36	3.48	0.85	1.01	0.13	19.63	46.10								
	A30BG003	18.21	4.79	4.69	1.14	1.28	0.17	21.50	51.78								
	A30BG004	16.24	4.15	3.27	0.80	0.00	0.00	19.06	43.52								
	A30BG005	19.27	4.92	4.69	1.14	0.00	0.00	22.62	52.64								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	A30BG006	20.79	5.31	6.05	1.47	0.00	0.00	24.40	58.02								
	A30BK003	11.95	3.15	2.24	0.55	0.92	0.12	14.12	33.05								
	A30BK005	16.51	4.34	3.57	0.87	1.18	0.15	19.50	46.12								
	A30BK007	15.92	4.07	3.33	0.81	0.00	0.00	18.68	42.81								
	A30BK008	19.10	4.88	4.78	1.16	0.00	0.00	22.42	52.34								
	A30CA001	3.25	0.83	1.06	0.26	0.00	0.00	3.82	9.22								
	A30CA002	12.95	3.41	3.08	0.75	0.96	0.13	15.29	36.57								
	A30CA004	20.09	5.27	4.38	1.07	1.31	0.17	23.70	55.99								
	A30IN001	31.63	8.08	6.86	1.67	0.00	0.00	37.12	85.36								
	A30IN002	9.20	2.35	0.00	1.50	0.00	0.00	10.79	23.84								
	A30IN003	12.69	3.24	0.00	1.75	0.00	0.00	14.90	32.58								
	A30IN004	14.36	3.67	0.00	2.00	0.00	0.00	16.86	36.89								
	A30LA001	1.67	0.44	0.97	0.77	0.09	0.01	1.57	5.52								
	A30LA002	2.26	0.59	0.97	0.77	0.09	0.01	2.13	6.82								
A35																	
	A35AE001	0.40	0.07	0.00	1.00	0.03	0.00	0.38	1.88								
	A35AE002	0.44	0.08	0.00	1.25	0.03	0.00	0.42	2.22								
	A35AE003	0.58	0.10	0.00	1.35	0.03	0.00	0.55	2.61								
	A35AE004	0.73	0.12	0.00	1.55	0.03	0.00	0.69	3.12								
	A35AE005	0.84	0.15	0.00	2.00	0.09	0.01	0.81	3.90								
	A35RS001	0.57	0.10	0.00	1.20	0.03	0.00	0.54	2.44								
	A35RS002	0.70	0.12	0.00	1.50	0.03	0.00	0.66	3.01								
A40																	
	A40CA001	5.42	1.45	2.33	0.57	0.58	0.08	6.42	16.85								
	A40CA002	9.42	2.45	2.72	0.66	0.38	0.05	11.09	26.77								
	A40CA004	26.24	6.70	13.61	3.31	0.00	0.00	30.79	80.65								
	A40CA005	37.64	9.61	22.68	5.52	0.00	0.00	44.17	119.62								
	A40CA006	47.74	12.19	30.24	7.37	0.00	0.00	56.03	153.57								
	A40IN001	8.10	2.09	3.69	0.90	0.22	0.03	9.53	24.56								
	A40IN002	8.50	2.19	3.69	0.90	0.22	0.03	10.00	25.53								
	A40IN003	10.59	2.73	4.23	1.03	0.22	0.03	12.45	31.28								
	A40IN004	20.85	5.35	12.10	2.95	0.22	0.03	24.49	65.99								
	A40IN005	24.35	6.22	12.10	2.95	0.00	0.00	28.58	74.20								
	A40IN006	31.13	7.95	15.88	3.87	0.00	0.00	36.53	95.36								
A45																	
	A45AE001	0.78	0.17	0.00	1.50	0.03	0.00	0.83	3.31								
	A45AE002	1.41	0.30	0.00	2.50	0.03	0.00	1.49	5.73								
	A45AE003	1.67	0.35	0.00	3.00	0.03	0.00	1.77	6.82								
	A45SE001	1.01	0.21	1.24	1.35	0.03	0.00	1.07	4.91								
	A45SE002	1.38	0.29	1.38	1.63	0.03	0.00	1.46	6.17								
	A45SE003	1.94	0.42	2.07	2.58	0.16	0.02	2.06	9.25								
	A45SE004	1.47	0.33	0.00	0.50	0.16	0.02	1.57	4.05								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
B10																	
	B10CC001	2.05	0.48	0.65	2.25	0.00	0.00	2.27	7.70								
	B10CC002	2.62	0.61	0.98	2.88	0.00	0.00	2.89	9.98								
	B10CC003	3.33	0.78	1.63	4.14	0.00	0.00	3.68	13.56								
	B10CC004	4.00	0.93	1.95	4.76	0.00	0.00	4.42	16.06								
	B10CC005	4.20	0.98	3.25	5.77	0.00	0.00	4.64	18.84								
	B10CC006	9.82	2.29	2.60	6.02	0.00	0.00	10.85	31.58								
	B10CC007	2.76	0.65	1.24	3.35	0.10	0.01	3.06	11.17								
	B10CC008	5.33	1.30	11.25	6.63	0.80	0.10	5.93	31.34								
	B10CC009	7.16	1.77	13.80	7.59	1.33	0.17	7.98	39.80								
	B10CC010	7.71	1.90	13.80	7.84	1.33	0.17	8.60	41.35								
	B10CC011	1.61	0.38	1.30	1.51	0.00	0.00	1.78	6.58								
	B10CC012	1.12	0.26	1.24	1.10	0.00	0.00	1.24	4.96								
	B10CC013	1.45	0.34	1.24	1.15	0.00	0.00	1.60	5.78								
	B10CC014	0.50	0.12	0.33	0.63	0.00	0.00	0.55	2.13								
	B10CL001	8.92	2.12	3.90	5.53	0.35	0.05	9.88	30.75								
	B10CL002	9.42	2.23	3.90	6.03	0.35	0.05	10.43	32.41								
	B10CL003	8.36	1.97	2.93	4.65	0.17	0.02	9.25	27.35								
	B10CL004	11.82	2.79	5.20	6.04	0.35	0.05	13.09	39.34								
	B10CL005	12.84	3.03	7.80	7.55	0.35	0.05	14.22	45.84								
	B10CL006	13.36	3.15	7.80	7.55	0.35	0.05	14.79	47.05								
	B10CL007	14.02	3.30	19.18	12.51	0.35	0.05	15.52	64.93								
	B10CL008	15.64	3.68	22.43	14.28	0.35	0.05	17.31	73.74								
	B10CL009	7.98	1.88	2.60	4.02	0.20	0.03	8.83	25.54								
	B10CL011	11.45	2.67	2.93	4.65	0.00	0.00	12.65	34.35								
	B10CL012	12.16	2.83	3.90	5.53	0.00	0.00	13.43	37.85								
	B10CL013	13.96	3.25	16.90	11.62	0.00	0.00	15.42	61.15								
	B10CL014	15.79	3.68	21.45	13.90	0.00	0.00	17.44	72.26								
	B10CL015	7.30	1.70	1.95	3.26	0.00	0.00	8.06	22.27								
	B10CL016	11.76	2.74	2.60	4.02	0.00	0.00	12.99	34.11								
	B10CL017	12.17	2.83	2.60	4.02	0.00	0.00	13.45	35.07								
	B10CL018	14.24	3.32	4.88	5.41	0.00	0.00	15.73	43.58								
	B10CL019	14.71	3.43	19.50	12.63	0.00	0.00	16.25	66.52								
	B10CL020	8.13	1.89	2.60	4.02	0.00	0.00	8.98	25.62								
	B10CL021	3.52	0.84	2.28	3.39	0.15	0.02	3.90	14.10								
	B10CL024	12.20	2.84	13.00	8.59	0.00	0.00	13.48	50.11								
	B10CL025	13.54	3.17	13.00	8.59	0.15	0.02	14.97	53.44								
	B10CL026	1.12	0.26	0.00	0.00	0.00	0.00	1.24	2.62								
	B10CL027	1.29	0.30	0.00	0.00	0.00	0.00	1.42	3.01								
	B10CL028	1.50	0.35	0.00	0.00	0.00	0.00	1.66	3.51								
	B10CL029	1.76	0.41	0.00	0.00	0.00	0.00	1.94	4.11								
	B10CL030	2.44	0.57	0.00	0.00	0.00	0.00	2.69	5.70								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	B10CL031	3.60	0.84	0.00	0.00	0.00	0.00	3.97	8.41								
	B10CL032	0.26	0.06	0.65	0.75	0.00	0.00	0.29	2.01								
	B10CL033	0.32	0.07	0.98	0.98	0.00	0.00	0.36	2.71								
	B10CL034	0.35	0.08	1.30	1.21	0.00	0.00	0.38	3.32								
	B10CL035	0.51	0.12	1.63	1.44	0.00	0.00	0.57	4.27								
	B10CL036	0.22	0.05	0.52	0.60	0.00	0.00	0.24	1.63								
	B10CL038	0.27	0.06	0.98	0.93	0.00	0.00	0.30	2.54								
	B10CL040	0.30	0.07	1.30	1.16	0.00	0.00	0.34	3.17								
	B10CL041	0.34	0.08	1.30	1.21	0.00	0.00	0.38	3.31								
	B10CL042	0.20	0.05	0.33	0.48	0.00	0.00	0.22	1.28								
	B10CL043	0.24	0.06	0.52	0.65	0.00	0.00	0.27	1.74								
	B10CL045	0.27	0.06	0.65	0.80	0.00	0.00	0.30	2.08								
	B10CL046	0.30	0.07	0.65	0.85	0.00	0.00	0.33	2.20								
	B10IE001	2.41	0.57	0.20	1.58	0.06	0.01	2.67	7.50								
	B10IE002	2.97	0.69	0.33	1.63	0.00	0.00	3.28	8.90								
	B10IE003	0.34	0.08	0.20	0.58	0.00	0.00	0.38	1.58								
	B10KL001	6.75	1.61	3.33	0.81	0.45	0.06	7.49	20.50								
	B10KL004	6.95	1.67	3.33	0.81	0.51	0.07	7.71	21.05								
	B10KL005	7.19	1.73	3.33	0.81	0.64	0.08	7.99	21.77								
	B10RC001	7.72	1.85	3.41	6.09	0.61	0.08	8.57	28.33								
	B10RC002	7.47	1.79	1.63	3.14	0.61	0.08	8.29	23.01								
	B10RC003	9.70	2.33	3.58	6.40	0.81	0.11	10.77	33.70								
	B10RC004	7.35	1.76	1.95	3.76	0.58	0.08	8.15	23.63								
	B10RC005	9.57	2.31	2.80	6.09	0.87	0.11	10.63	32.38								
	B10RC006	8.11	1.97	2.96	5.66	0.87	0.11	9.02	28.70								
	B10RC007	6.84	1.65	1.46	3.07	0.61	0.08	7.60	21.31								
	B10RC008	7.33	1.76	1.46	3.07	0.61	0.08	8.14	22.45								
	B10RC009	7.11	1.71	2.37	3.93	0.58	0.08	7.89	23.67								
	B10RC010	7.94	1.90	2.37	3.93	0.58	0.08	8.81	25.61								
	B10RC011	8.26	2.01	3.12	5.72	0.87	0.11	9.19	29.28								
	B10RC012	15.44	3.59	0.98	5.13	0.00	0.00	17.05	42.19								
	B10RC013	19.45	4.53	0.98	5.38	0.00	0.00	21.49	51.83								
	B10RC014	15.54	3.62	0.98	5.13	0.00	0.00	17.16	42.43								
	B10RC015	19.55	4.55	0.98	5.38	0.00	0.00	21.60	52.06								
	B10RC016	16.08	3.86	4.88	7.41	1.28	0.17	17.85	51.53								
	B10RC017	26.54	6.30	1.95	5.26	1.26	0.16	29.40	70.87								
	B10RC023	16.14	3.82	2.60	6.02	0.58	0.08	17.87	47.11								
	B10RC024	18.03	4.29	3.90	7.53	0.89	0.12	19.99	54.75								
	B10RC025	19.24	4.57	5.20	9.04	0.89	0.12	21.32	60.38								
	B10RC026	47.65	11.31	7.80	11.05	2.32	0.30	52.80	133.23								
	B10SN001	4.70	1.09	0.00	1.50	0.00	0.00	5.19	12.48								
	B10SN002	4.97	1.16	0.00	1.60	0.00	0.00	5.49	13.22								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	B10SN003	5.26	1.23	0.00	1.65	0.00	0.00	5.81	13.95								
	B10SN004	5.36	1.25	0.00	1.65	0.00	0.00	5.92	14.18								
	B10SN005	5.74	1.34	0.00	1.70	0.00	0.00	6.34	15.12								
	B10SN006	5.78	1.35	0.00	1.70	0.00	0.00	6.38	15.21								
	B10SN007	6.22	1.45	0.00	1.75	0.00	0.00	6.88	16.30								
	B10SN008	6.28	1.46	0.00	1.75	0.00	0.00	6.93	16.42								
	B10SN009	6.84	1.59	0.00	1.85	0.00	0.00	7.55	17.83								
	B10SN010	2.46	0.57	0.00	1.30	0.00	0.00	2.72	7.05								
	B10SN011	2.59	0.60	0.00	1.30	0.00	0.00	2.86	7.35								
	B10SN012	2.68	0.62	0.00	1.30	0.00	0.00	2.96	7.56								
	B10SN013	2.92	0.68	0.00	1.35	0.00	0.00	3.22	8.17								
	B10SN014	4.16	0.97	0.00	1.50	0.00	0.00	4.59	11.22								
	B10SN015	3.13	0.73	0.00	1.40	0.00	0.00	3.46	8.72								
	B10SN016	4.42	1.03	0.00	1.50	0.00	0.00	4.88	11.83								
	B10SN017	3.45	0.80	0.00	1.40	0.00	0.00	3.81	9.46								
	B10SN018	4.70	1.09	0.00	1.55	0.00	0.00	5.19	12.53								
	B10SN019	1.78	0.41	0.00	1.20	0.00	0.00	1.96	5.35								
	B10SN020	1.87	0.44	0.00	1.20	0.00	0.00	2.06	5.57								
	B10SN021	1.96	0.46	0.00	1.20	0.00	0.00	2.16	5.78								
	B10SN022	2.20	0.51	0.00	1.25	0.00	0.00	2.43	6.39								
	B10SN023	3.44	0.80	0.00	1.40	0.00	0.00	3.80	9.44								
	B10SN024	2.41	0.56	0.00	1.30	0.00	0.00	2.66	6.93								
	B10SN025	3.70	0.86	0.00	1.40	0.00	0.00	4.09	10.05								
	B10SN026	2.73	0.63	0.00	1.30	0.00	0.00	3.01	7.67								
	B10SN027	3.98	0.93	0.00	1.50	0.00	0.00	4.40	10.81								
	B10SN028	5.05	1.18	0.00	1.60	0.00	0.00	5.58	13.41								
	B10SN029	5.83	1.36	0.00	1.70	0.00	0.00	6.44	15.33								
	B10SN030	6.50	1.51	0.00	1.80	0.00	0.00	7.18	16.99								
	B10SN031	2.70	0.63	0.65	1.55	0.00	0.00	2.98	8.51								
	B10SN032	2.79	0.65	0.65	1.55	0.00	0.00	3.08	8.72								
	B10VI001	7.66	1.86	1.30	2.01	0.82	0.11	8.51	22.27								
	B10VI002	6.33	1.53	0.98	1.38	0.62	0.08	7.04	17.96								
	B10VI003	5.80	1.41	0.98	1.38	0.62	0.08	6.45	16.72								
B15																	
	B15AB001	3.21	0.69	2.30	0.56	0.13	0.02	2.97	9.88								
	B15IG001	2.41	0.53	2.30	0.56	0.27	0.04	2.25	8.36								
	B15MB001	0.39	0.08	0.00	0.10	0.00	0.00	0.36	0.93								
	B15MB002	0.67	0.14	0.00	0.14	0.00	0.00	0.62	1.57								
	B15MB003	0.69	0.15	0.00	0.24	0.05	0.01	0.64	1.78								
	B15MB004	0.79	0.17	1.24	0.26	0.05	0.01	0.74	3.26								
	B15RS001	2.47	0.53	2.30	0.56	0.09	0.01	2.29	8.25								
	B15RS002	2.25	0.47	0.00	0.50	0.00	0.00	2.08	5.30								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	B15RS003	2.46	0.52	0.00	0.60	0.00	0.00	2.27	5.85								
	B15RS004	2.61	0.55	0.00	0.70	0.00	0.00	2.40	6.26								
B20																	
	B20CI001	0.49	0.11	1.24	0.35	0.02	0.00	0.51	2.72								
	B20CI002	0.96	0.20	2.07	0.58	0.02	0.00	1.00	4.83								
	B20CI003	1.19	0.25	4.14	1.15	0.03	0.00	1.24	8.00								
	B20CI004	1.36	0.29	2.30	0.56	0.03	0.00	1.41	5.95								
	B20CI005	0.90	0.19	2.55	0.71	0.03	0.00	0.94	5.32								
	B20CI006	1.39	0.30	2.30	0.56	0.03	0.00	1.45	6.03								
	B20CI007	1.43	0.31	2.30	0.56	0.04	0.01	1.50	6.15								
	B20VE001	1.42	0.30	6.83	1.90	0.04	0.01	1.48	11.98								
	B20VE002	1.96	0.42	6.62	1.84	0.05	0.01	2.04	12.94								
B25																	
	B25ES001	1.07	0.25	0.00	0.00	0.00	0.00	0.83	2.15	1.33	0.26	0.00	0.00	0.00	0.00	1.19	2.78
	B25ES002	1.14	0.26	0.00	0.00	0.00	0.00	0.89	2.29	1.42	0.27	0.00	0.00	0.00	0.00	1.27	2.96
	B25ES003	1.24	0.29	0.00	0.00	0.00	0.00	0.97	2.50	1.55	0.30	0.00	0.00	0.00	0.00	1.39	3.24
	B25ES004	1.33	0.31	0.00	0.00	0.00	0.00	1.04	2.68	1.67	0.32	0.00	0.00	0.00	0.00	1.49	3.48
	B25ES005	1.43	0.33	0.00	0.00	0.00	0.00	1.12	2.88	1.79	0.34	0.00	0.00	0.00	0.00	1.60	3.73
	B25ES006	1.91	0.45	0.00	0.00	0.00	0.00	1.50	3.86	2.39	0.46	0.00	0.00	0.00	0.00	2.14	4.99
	B25ES007	2.11	0.49	0.00	0.00	0.00	0.00	1.65	4.25	2.63	0.50	0.00	0.00	0.00	0.00	2.35	5.48
	B25ES008	2.22	0.52	0.00	0.00	0.00	0.00	1.74	4.48	2.78	0.53	0.00	0.00	0.00	0.00	2.48	5.79
	B25ES009	2.90	0.67	0.00	0.00	0.00	0.00	2.26	5.83	3.62	0.69	0.00	0.00	0.00	0.00	3.23	7.54
	B25ES010	3.07	0.71	0.00	0.00	0.00	0.00	2.40	6.18	3.84	0.73	0.00	0.00	0.00	0.00	3.42	7.99
	B25ES011	3.32	0.77	0.00	0.00	0.00	0.00	2.59	6.68	4.15	0.79	0.00	0.00	0.00	0.00	3.70	8.64
	B25ES012	3.65	0.85	0.00	0.00	0.00	0.00	2.85	7.35	4.56	0.87	0.00	0.00	0.00	0.00	4.08	9.51
	B25ES013	3.95	0.92	0.00	0.00	0.00	0.00	3.09	7.96	4.94	0.95	0.00	0.00	0.00	0.00	4.41	10.30
	B25ES014	4.19	0.98	0.00	0.00	0.00	0.00	3.28	8.45	5.24	1.00	0.00	0.00	0.00	0.00	4.68	10.92
	B25ES015	4.62	1.08	0.00	0.00	0.00	0.00	3.61	9.31	5.77	1.11	0.00	0.00	0.00	0.00	5.16	12.04
	B25ES016	4.80	1.12	0.00	0.00	0.00	0.00	3.75	9.67	6.00	1.15	0.00	0.00	0.00	0.00	5.36	12.51
	B25ES017	5.05	1.18	0.00	0.00	0.00	0.00	3.95	10.18	6.32	1.21	0.00	0.00	0.00	0.00	5.64	13.17
	B25ES018	5.30	1.23	0.00	0.00	0.00	0.00	4.14	10.67	6.63	1.27	0.00	0.00	0.00	0.00	5.92	13.82
	B25ES019	5.50	1.28	0.00	0.00	0.00	0.00	4.30	11.08	6.87	1.32	0.00	0.00	0.00	0.00	6.14	14.33
	B25ES020	1.10	0.26	0.00	0.00	0.00	0.00	0.86	2.22	1.38	0.26	0.00	0.00	0.00	0.00	1.23	2.87
	B25ES021	1.18	0.27	0.00	0.00	0.00	0.00	0.92	2.37	1.47	0.28	0.00	0.00	0.00	0.00	1.31	3.06
	B25ES022	1.62	0.38	0.00	0.00	0.00	0.00	1.26	3.26	2.02	0.39	0.00	0.00	0.00	0.00	1.80	4.21
	B25ES023	1.63	0.38	0.00	0.00	0.00	0.00	1.27	3.28	2.04	0.39	0.00	0.00	0.00	0.00	1.82	4.25
	B25ES024	1.73	0.40	0.00	0.00	0.00	0.00	1.35	3.48	2.16	0.41	0.00	0.00	0.00	0.00	1.93	4.50
	B25ES025	2.36	0.55	0.00	0.00	0.00	0.00	1.84	4.75	2.95	0.56	0.00	0.00	0.00	0.00	2.63	6.14
	B25ES026	2.46	0.57	0.00	0.00	0.00	0.00	1.92	4.95	3.07	0.59	0.00	0.00	0.00	0.00	2.74	6.40
	B25ES027	2.54	0.59	0.00	0.00	0.00	0.00	1.99	5.12	3.18	0.61	0.00	0.00	0.00	0.00	2.84	6.63
	B25ES028	3.23	0.75	0.00	0.00	0.00	0.00	2.52	6.50	4.04	0.77	0.00	0.00	0.00	0.00	3.61	8.42
	B25ES029	3.53	0.82	0.00	0.00	0.00	0.00	2.76	7.11	4.42	0.85	0.00	0.00	0.00	0.00	3.94	9.21

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	B25ES030	4.08	0.95	0.00	0.00	0.00	0.00	3.18	8.21	5.10	0.98	0.00	0.00	0.00	0.00	4.55	10.63
	B25ES031	4.33	1.01	0.00	0.00	0.00	0.00	3.39	8.73	5.42	1.04	0.00	0.00	0.00	0.00	4.84	11.30
	B25ES032	4.65	1.08	0.00	0.00	0.00	0.00	3.64	9.37	5.82	1.11	0.00	0.00	0.00	0.00	5.20	12.13
	B25ES033	5.10	1.19	0.00	0.00	0.00	0.00	3.98	10.27	6.37	1.22	0.00	0.00	0.00	0.00	5.69	13.28
	B25ES034	5.37	1.25	0.00	0.00	0.00	0.00	4.20	10.82	6.72	1.29	0.00	0.00	0.00	0.00	6.00	14.01
	B25ES035	5.64	1.31	0.00	0.00	0.00	0.00	4.40	11.35	7.05	1.35	0.00	0.00	0.00	0.00	6.29	14.69
	B25ES036	5.93	1.38	0.00	0.00	0.00	0.00	4.64	11.95	7.42	1.42	0.00	0.00	0.00	0.00	6.62	15.46
	B25ES037	6.18	1.44	0.00	0.00	0.00	0.00	4.83	12.45	7.73	1.48	0.00	0.00	0.00	0.00	6.90	16.11
	B25ES038	6.43	1.50	0.00	0.00	0.00	0.00	5.02	12.95	8.04	1.54	0.00	0.00	0.00	0.00	7.18	16.76
	B25ES039	1.33	0.31	0.00	0.00	0.00	0.00	1.04	2.68	1.66	0.32	0.00	0.00	0.00	0.00	1.48	3.46
	B25ES040	1.83	0.43	0.00	0.00	0.00	0.00	1.43	3.69	2.28	0.44	0.00	0.00	0.00	0.00	2.04	4.76
	B25ES041	1.89	0.44	0.00	0.00	0.00	0.00	1.48	3.81	2.37	0.45	0.00	0.00	0.00	0.00	2.11	4.93
	B25ES042	2.04	0.48	0.00	0.00	0.00	0.00	1.60	4.12	2.55	0.49	0.00	0.00	0.00	0.00	2.28	5.32
	B25ES043	2.68	0.62	0.00	0.00	0.00	0.00	2.09	5.39	3.35	0.64	0.00	0.00	0.00	0.00	2.99	6.98
	B25ES044	2.90	0.68	0.00	0.00	0.00	0.00	2.27	5.85	3.63	0.69	0.00	0.00	0.00	0.00	3.24	7.56
	B25ES045	3.27	0.76	0.00	0.00	0.00	0.00	2.55	6.58	4.08	0.78	0.00	0.00	0.00	0.00	3.64	8.50
	B25ES046	3.66	0.85	0.00	0.00	0.00	0.00	2.86	7.37	4.57	0.88	0.00	0.00	0.00	0.00	4.08	9.53
	B25ES047	4.08	0.95	0.00	0.00	0.00	0.00	3.18	8.21	5.09	0.98	0.00	0.00	0.00	0.00	4.55	10.62
	B25ES048	4.49	1.05	0.00	0.00	0.00	0.00	3.51	9.05	5.61	1.07	0.00	0.00	0.00	0.00	5.01	11.69
	B25ES049	4.76	1.11	0.00	0.00	0.00	0.00	3.72	9.59	5.95	1.14	0.00	0.00	0.00	0.00	5.31	12.40
	B25ES050	4.94	1.15	0.00	0.00	0.00	0.00	3.86	9.95	6.18	1.18	0.00	0.00	0.00	0.00	5.52	12.88
	B25ES051	5.34	1.24	0.00	0.00	0.00	0.00	4.17	10.75	6.68	1.28	0.00	0.00	0.00	0.00	5.96	13.92
	B25ES052	5.66	1.32	0.00	0.00	0.00	0.00	4.42	11.40	7.07	1.35	0.00	0.00	0.00	0.00	6.32	14.74
	B25ES053	5.95	1.39	0.00	0.00	0.00	0.00	4.65	11.99	7.44	1.42	0.00	0.00	0.00	0.00	6.64	15.50
	B25ES054	6.32	1.47	0.00	0.00	0.00	0.00	4.94	12.73	7.90	1.51	0.00	0.00	0.00	0.00	7.06	16.47
	B25ES055	6.55	1.53	0.00	0.00	0.00	0.00	5.12	13.20	8.19	1.57	0.00	0.00	0.00	0.00	7.31	17.07
	B25ES056	6.87	1.60	0.00	0.00	0.00	0.00	5.37	13.84	8.59	1.64	0.00	0.00	0.00	0.00	7.67	17.90
	B25GE001	6.38	1.49	0.00	0.00	0.00	0.00	4.98	12.85	7.97	1.53	0.00	0.00	0.00	0.00	7.12	16.62
	B25GE002	6.87	1.60	0.00	0.00	0.00	0.00	5.37	13.84	8.59	1.64	0.00	0.00	0.00	0.00	7.67	17.90
	B25GE003	7.36	1.71	0.00	0.00	0.00	0.00	5.75	14.82	9.20	1.76	0.00	0.00	0.00	0.00	8.22	19.18
	B25GE004	8.17	1.90	0.00	0.00	0.00	0.00	6.38	16.45	10.21	1.95	0.00	0.00	0.00	0.00	9.12	21.28
	B25GE005	8.98	2.09	0.00	0.00	0.00	0.00	7.01	18.08	11.22	2.15	0.00	0.00	0.00	0.00	10.02	23.39
	B25GE006	9.76	2.27	0.00	0.00	0.00	0.00	7.63	19.66	12.21	2.34	0.00	0.00	0.00	0.00	10.90	25.45
	B25GE007	10.57	2.46	0.00	0.00	0.00	0.00	8.26	21.29	13.21	2.53	0.00	0.00	0.00	0.00	11.80	27.54
	B25GE008	11.37	2.65	0.00	0.00	0.00	0.00	8.88	22.90	14.21	2.72	0.00	0.00	0.00	0.00	12.69	29.62
	B25GE009	12.18	2.84	0.00	0.00	0.00	0.00	9.51	24.53	15.22	2.91	0.00	0.00	0.00	0.00	13.59	31.72
	B25GE010	12.99	3.02	0.00	0.00	0.00	0.00	10.14	26.15	16.23	3.11	0.00	0.00	0.00	0.00	14.49	33.83
	B25GE011	13.40	3.12	0.00	0.00	0.00	0.00	10.47	26.99	16.75	3.21	0.00	0.00	0.00	0.00	14.95	34.91
B30																	
	B30CR001	0.25	0.06	0.00	0.00	0.00	0.00	0.24	0.55								
	B30CR002	0.26	0.07	0.00	0.00	0.00	0.00	0.25	0.58								
	B30CR003	0.29	0.07	0.00	0.00	0.00	0.00	0.28	0.64								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	B30CR004	0.30	0.08	0.00	0.00	0.00	0.00	0.29	0.67								
	B30CR005	0.36	0.09	0.00	0.00	0.00	0.00	0.34	0.79								
	B30CR006	0.42	0.11	0.00	0.00	0.00	0.00	0.40	0.93								
	B30CR007	0.53	0.13	0.00	0.00	0.00	0.00	0.50	1.16								
	B30CR008	0.61	0.16	0.00	0.00	0.00	0.00	0.58	1.35								
	B30GB001	0.16	0.04	0.00	0.00	0.00	0.00	0.13	0.33								
	B30GB002	0.22	0.06	0.00	0.00	0.00	0.00	0.18	0.46								
	B30GB003	0.26	0.07	0.00	0.00	0.00	0.00	0.22	0.55								
	B30GB004	0.38	0.10	0.00	0.00	0.00	0.00	0.32	0.80								
	B30GB005	0.45	0.11	0.00	0.00	0.00	0.00	0.37	0.93								
	B30GB006	0.78	0.20	0.00	0.00	0.00	0.00	0.70	1.68								
	B30GB007	0.89	0.23	0.00	0.00	0.00	0.00	0.79	1.91								
	B30GB008	1.01	0.26	0.00	0.00	0.00	0.00	0.90	2.17								
	B30GB009	1.16	0.30	0.00	0.00	0.00	0.00	1.03	2.49								
	B30GB010	1.45	0.37	0.00	0.00	0.00	0.00	1.29	3.11								
	B30GB011	0.70	0.18	0.00	0.00	0.00	0.00	0.66	1.54								
	B30GB012	0.72	0.18	0.00	0.00	0.00	0.00	0.68	1.58								
	B30GB013	0.75	0.19	0.00	0.00	0.00	0.00	0.71	1.65								
	B30GB014	0.98	0.25	0.00	0.00	0.00	0.00	0.93	2.16								
	B30GB015	1.02	0.26	0.00	0.00	0.00	0.00	0.97	2.25								
	B30GB016	1.47	0.38	0.00	0.00	0.00	0.00	1.40	3.25								
	B30GB017	1.77	0.45	0.00	0.00	0.00	0.00	1.68	3.90								
B35																	
	B35HE001	0.47	0.09	0.00	0.00	0.00	0.00	0.37	0.93	0.58	0.09	0.00	0.00	0.00	0.00	0.52	1.19
	B35HE002	0.56	0.11	0.00	0.00	0.00	0.00	0.44	1.11	0.69	0.11	0.00	0.00	0.00	0.00	0.61	1.41
	B35HE003	0.68	0.13	0.00	0.00	0.00	0.00	0.53	1.34	0.84	0.13	0.00	0.00	0.00	0.00	0.75	1.72
	B35HE004	0.80	0.15	0.00	0.00	0.00	0.00	0.63	1.58	0.99	0.16	0.00	0.00	0.00	0.00	0.88	2.03
	B35HE005	0.95	0.18	0.00	0.00	0.00	0.00	0.74	1.87	1.16	0.19	0.00	0.00	0.00	0.00	1.04	2.39
	B35HE006	1.17	0.22	0.00	0.00	0.00	0.00	0.91	2.30	1.43	0.23	0.00	0.00	0.00	0.00	1.28	2.94
	B35HE007	1.29	0.25	0.00	0.00	0.00	0.00	1.01	2.55	1.59	0.25	0.00	0.00	0.00	0.00	1.42	3.26
	B35HE008	1.57	0.30	0.00	0.00	0.00	0.00	1.23	3.10	1.93	0.31	0.00	0.00	0.00	0.00	1.73	3.97
	B35HE009	1.63	0.31	0.00	0.00	0.00	0.00	1.27	3.21	2.01	0.32	0.00	0.00	0.00	0.00	1.79	4.12
	B35HE010	2.01	0.39	0.00	0.00	0.00	0.00	1.57	3.97	2.48	0.40	0.00	0.00	0.00	0.00	2.21	5.09
	B35HE011	2.18	0.42	0.00	0.00	0.00	0.00	1.70	4.30	2.68	0.43	0.00	0.00	0.00	0.00	2.40	5.51
	B35HE012	2.32	0.44	0.00	0.00	0.00	0.00	1.81	4.57	2.85	0.46	0.00	0.00	0.00	0.00	2.55	5.86
	B35HE013	2.64	0.51	0.00	0.00	0.00	0.00	2.06	5.21	3.25	0.52	0.00	0.00	0.00	0.00	2.90	6.67
	B35HE014	3.05	0.58	0.00	0.00	0.00	0.00	2.38	6.01	3.76	0.60	0.00	0.00	0.00	0.00	3.35	7.71
	B35HE015	3.32	0.64	0.00	0.00	0.00	0.00	2.59	6.55	4.08	0.66	0.00	0.00	0.00	0.00	3.65	8.39
	B35HE016	4.08	0.78	0.00	0.00	0.00	0.00	3.19	8.05	5.02	0.81	0.00	0.00	0.00	0.00	4.48	10.31
	B35HE017	4.69	0.90	0.00	0.00	0.00	0.00	3.66	9.25	5.77	0.93	0.00	0.00	0.00	0.00	5.15	11.85
	B35HE018	0.46	0.10	0.00	0.00	0.00	0.00	0.36	0.92	0.59	0.10	0.00	0.00	0.00	0.00	0.52	1.21
	B35HE019	0.56	0.12	0.00	0.00	0.00	0.00	0.44	1.12	0.72	0.12	0.00	0.00	0.00	0.00	0.64	1.48

TABLE 2-2. HOURLY RATE ELEMENTS

CAT	ID.NO.	AVERAGE OPERATING CONDITIONS DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	SEVERE OPERATING CONDITIONS DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	B35HE020	0.69	0.15	0.00	0.00	0.00	0.00	0.54	1.38	0.89	0.15	0.00	0.00	0.00	0.00	0.79	1.83
	B35HE021	0.83	0.18	0.00	0.00	0.00	0.00	0.64	1.65	1.06	0.18	0.00	0.00	0.00	0.00	0.95	2.19
	B35HE022	0.95	0.20	0.00	0.00	0.00	0.00	0.74	1.89	1.22	0.21	0.00	0.00	0.00	0.00	1.09	2.52
	B35HE023	1.14	0.24	0.00	0.00	0.00	0.00	0.89	2.27	1.46	0.25	0.00	0.00	0.00	0.00	1.31	3.02
	B35HE024	1.26	0.27	0.00	0.00	0.00	0.00	0.98	2.51	1.61	0.28	0.00	0.00	0.00	0.00	1.44	3.33
	B35HE025	1.51	0.32	0.00	0.00	0.00	0.00	1.18	3.01	1.94	0.33	0.00	0.00	0.00	0.00	1.73	4.00
	B35HE026	1.61	0.34	0.00	0.00	0.00	0.00	1.26	3.21	2.07	0.35	0.00	0.00	0.00	0.00	1.85	4.27
	B35HE027	2.07	0.44	0.00	0.00	0.00	0.00	1.61	4.12	2.66	0.45	0.00	0.00	0.00	0.00	2.37	5.48
	B35HE028	2.14	0.45	0.00	0.00	0.00	0.00	1.67	4.26	2.75	0.47	0.00	0.00	0.00	0.00	2.45	5.67
	B35HE029	2.44	0.52	0.00	0.00	0.00	0.00	1.90	4.86	3.13	0.54	0.00	0.00	0.00	0.00	2.80	6.47
	B35HE030	2.68	0.57	0.00	0.00	0.00	0.00	2.10	5.35	3.45	0.59	0.00	0.00	0.00	0.00	3.08	7.12
	B35HE031	3.21	0.68	0.00	0.00	0.00	0.00	2.51	6.40	4.13	0.71	0.00	0.00	0.00	0.00	3.69	8.53
	B35HE032	3.42	0.73	0.00	0.00	0.00	0.00	2.67	6.82	4.40	0.75	0.00	0.00	0.00	0.00	3.93	9.08
	B35HE033	4.36	0.93	0.00	0.00	0.00	0.00	3.41	8.70	5.61	0.96	0.00	0.00	0.00	0.00	5.01	11.58
	B35HE034	5.07	1.08	0.00	0.00	0.00	0.00	3.96	10.11	6.52	1.11	0.00	0.00	0.00	0.00	5.82	13.45
	B35HE035	1.64	0.38	0.00	0.00	0.00	0.00	1.28	3.30	2.05	0.39	0.00	0.00	0.00	0.00	1.83	4.27
	B35HE036	1.71	0.40	0.00	0.00	0.00	0.00	1.33	3.44	2.13	0.41	0.00	0.00	0.00	0.00	1.91	4.45
	B35HE037	1.91	0.45	0.00	0.00	0.00	0.00	1.49	3.85	2.39	0.46	0.00	0.00	0.00	0.00	2.13	4.98
	B35HE038	2.56	0.60	0.00	0.00	0.00	0.00	2.00	5.16	3.20	0.61	0.00	0.00	0.00	0.00	2.85	6.66
	B35HE039	2.86	0.67	0.00	0.00	0.00	0.00	2.23	5.76	3.57	0.68	0.00	0.00	0.00	0.00	3.19	7.44
	B35HE040	2.95	0.69	0.00	0.00	0.00	0.00	2.31	5.95	3.69	0.71	0.00	0.00	0.00	0.00	3.29	7.69
	B35HE041	3.16	0.74	0.00	0.00	0.00	0.00	2.47	6.37	3.95	0.76	0.00	0.00	0.00	0.00	3.53	8.24
	B35HE042	4.21	0.98	0.00	0.00	0.00	0.00	3.29	8.48	5.26	1.01	0.00	0.00	0.00	0.00	4.70	10.97
	B35HE043	4.13	0.96	0.00	0.00	0.00	0.00	3.23	8.32	5.17	0.99	0.00	0.00	0.00	0.00	4.61	10.77
	B35HE044	5.26	1.22	0.00	0.00	0.00	0.00	4.11	10.59	6.57	1.26	0.00	0.00	0.00	0.00	5.87	13.70
	B35HE045	5.46	1.27	0.00	0.00	0.00	0.00	4.26	10.99	6.82	1.31	0.00	0.00	0.00	0.00	6.09	14.22
	B35HE046	6.49	1.51	0.00	0.00	0.00	0.00	5.07	13.07	8.11	1.55	0.00	0.00	0.00	0.00	7.25	16.91
	B35HE047	6.92	1.61	0.00	0.00	0.00	0.00	5.41	13.94	8.65	1.66	0.00	0.00	0.00	0.00	7.72	18.03
	B35SA001	1.19	0.23	0.00	0.00	0.00	0.00	0.93	2.35	1.47	0.24	0.00	0.00	0.00	0.00	1.31	3.02
	B35SA002	1.43	0.27	0.00	0.00	0.00	0.00	1.12	2.82	1.76	0.28	0.00	0.00	0.00	0.00	1.57	3.61
	B35SA003	1.78	0.34	0.00	0.00	0.00	0.00	1.39	3.51	2.19	0.35	0.00	0.00	0.00	0.00	1.96	4.50
	B35SA004	2.65	0.51	0.00	0.00	0.00	0.00	2.07	5.23	3.26	0.52	0.00	0.00	0.00	0.00	2.91	6.69
	B35SA005	3.20	0.61	0.00	0.00	0.00	0.00	2.50	6.31	3.94	0.63	0.00	0.00	0.00	0.00	3.52	8.09
	B35SA006	3.84	0.73	0.00	0.00	0.00	0.00	3.00	7.57	4.72	0.76	0.00	0.00	0.00	0.00	4.22	9.70
	B35SA007	4.20	0.80	0.00	0.00	0.00	0.00	3.28	8.28	5.18	0.83	0.00	0.00	0.00	0.00	4.62	10.63
	B35SA008	5.08	0.97	0.00	0.00	0.00	0.00	3.97	10.02	6.25	1.00	0.00	0.00	0.00	0.00	5.58	12.83
	B35SA009	6.02	1.15	0.00	0.00	0.00	0.00	4.70	11.87	7.40	1.19	0.00	0.00	0.00	0.00	6.61	15.20
	B35SA010	7.41	1.42	0.00	0.00	0.00	0.00	5.79	14.62	9.12	1.46	0.00	0.00	0.00	0.00	8.15	18.73
C05																	
	C05HO001	0.16	0.02	0.29	0.58	0.00	0.00	0.42	1.47								
C10																	
	C10BO001	0.41	0.06	0.29	0.06	0.00	0.00	0.56	1.38								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	C10BO002	0.48	0.07	0.29	0.06	0.00	0.00	0.67	1.57								
	C10BO003	0.23	0.03	0.38	0.08	0.00	0.00	0.32	1.04								
	C10BO004	0.29	0.04	0.38	0.08	0.00	0.00	0.40	1.19								
	C10BO005	0.65	0.09	0.17	0.04	0.00	0.00	0.89	1.84								
	C10BO006	0.92	0.13	0.48	0.10	0.00	0.00	1.27	2.90								
	C10BO007	1.10	0.16	0.21	0.04	0.00	0.00	1.53	3.04								
	C10BO008	1.66	0.23	0.29	0.06	0.00	0.00	2.29	4.53								
	C10BO009	0.72	0.10	0.21	0.04	0.00	0.00	0.99	2.06								
	C10BO010	1.72	0.24	0.17	0.04	0.00	0.00	2.39	4.56								
	C10BO011	1.92	0.27	0.34	0.07	0.00	0.00	2.66	5.26								
	C10HO001	0.39	0.05	0.38	0.08	0.00	0.00	0.54	1.44								
	C10HO002	0.44	0.06	0.38	0.08	0.00	0.00	0.61	1.57								
	C10HO003	0.39	0.05	0.48	0.10	0.00	0.00	0.54	1.56								
	C10WC001	0.35	0.05	0.38	0.08	0.00	0.00	0.48	1.34								
	C10WC002	0.46	0.06	0.38	0.08	0.00	0.00	0.63	1.61								
	C10WC003	0.60	0.08	0.38	0.08	0.00	0.00	0.83	1.97								
	C10WC004	0.71	0.10	0.38	0.08	0.00	0.00	0.98	2.25								
	C10WC005	0.26	0.04	0.38	0.08	0.00	0.00	0.36	1.12								
	C10WC006	0.46	0.06	0.67	0.14	0.00	0.00	0.63	1.96								
	C10WC007	1.28	0.18	0.67	0.14	0.00	0.00	1.77	4.04								
	C10WC008	1.98	0.28	0.25	0.05	0.00	0.00	2.75	5.31								
	C10WC009	3.78	0.53	0.59	0.12	0.00	0.00	5.23	10.25								
	C10WC010	1.62	0.23	1.05	0.22	0.00	0.00	2.25	5.37								
	C10WC011	2.33	0.33	0.34	0.07	0.00	0.00	3.23	6.30								
	C10WC012	2.66	0.37	0.34	0.07	0.00	0.00	3.68	7.12								
	C10WC013	5.36	0.75	0.50	0.11	0.00	0.00	7.42	14.14								
C15																	
	C15BL001	0.97	0.16	0.00	0.50	0.00	0.00	1.01	2.64								
	C15BL002	1.87	0.31	0.00	0.70	0.00	0.00	1.94	4.82								
	C15BL003	3.77	0.62	0.00	1.50	0.00	0.00	3.92	9.81								
	C15BL004	5.33	0.87	0.00	1.75	0.00	0.00	5.54	13.49								
	C15BL005	6.87	1.12	0.00	2.00	0.00	0.00	7.13	17.12								
C20																	
	C20AE001	0.39	0.06	0.37	0.10	0.00	0.00	0.32	1.24								
	C20MU001	0.90	0.14	0.59	0.17	0.09	0.01	0.74	2.64								
	C20MU002	1.12	0.17	0.82	0.23	0.09	0.01	0.92	3.36								
C25																	
	C25ST001	0.28	0.04	0.59	0.17	0.00	0.00	0.26	1.34								
	C25ST002	0.30	0.04	0.59	0.17	0.00	0.00	0.28	1.38								
	C25WC001	0.26	0.04	0.37	0.10	0.00	0.00	0.24	1.01								
	C25WC002	0.35	0.05	0.59	0.17	0.00	0.00	0.32	1.48								
C35																	

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	C35AL001	2.00	0.35	0.96	0.27	0.07	0.01	1.97	5.63								
	C35AL002	2.35	0.42	1.61	0.45	0.13	0.02	2.31	7.29								
	C35AL003	1.22	0.22	0.00	0.19	0.07	0.01	1.20	2.91								
	C35AL004	2.58	0.45	0.00	0.31	0.04	0.01	2.52	5.91								
	C35AL005	2.70	0.47	0.64	0.15	0.04	0.01	2.65	6.66								
	C35AL006	3.05	0.53	0.64	0.15	0.04	0.01	2.98	7.40								
	C35AL007	1.56	0.27	0.00	0.25	0.00	0.00	1.53	3.61								
	C35AL008	1.69	0.29	0.00	0.30	0.00	0.00	1.65	3.93								
	C35AL009	1.87	0.32	0.00	0.40	0.00	0.00	1.82	4.41								
	C35AL010	4.54	0.78	1.41	0.34	0.04	0.01	4.44	11.56								
	C35AL011	5.13	0.88	2.36	0.58	0.04	0.01	5.01	14.01								
	C35AV001	7.25	1.24	0.75	2.29	0.00	0.00	7.09	18.62								
	C35AV002	8.50	1.45	0.75	2.79	0.00	0.00	8.31	21.80								
	C35AV003	7.34	1.26	1.94	2.47	0.07	0.01	7.18	20.27								
	C35AV004	4.36	0.75	0.00	1.50	0.05	0.01	4.26	10.93								
	C35AV005	4.13	0.71	0.75	1.79	0.05	0.01	4.04	11.48								
	C35AV006	6.94	1.19	1.50	2.59	0.06	0.01	6.79	19.08								
C40																	
	C40MX001	3.43	0.50	0.59	0.14	0.13	0.02	3.19	8.00								
	C40MX002	0.68	0.10	0.00	1.00	0.00	0.00	0.63	2.41								
	C40MX003	11.03	1.58	1.70	0.41	0.19	0.02	10.21	25.14								
	C40MX004	13.01	1.86	2.49	0.61	0.19	0.02	12.04	30.22								
	C40MX005	13.82	1.97	2.62	0.64	0.19	0.02	12.79	32.05								
	C40MX006	5.54	0.78	0.00	1.75	0.00	0.00	5.11	13.18								
	C40MX007	5.08	0.72	0.00	1.65	0.00	0.00	4.69	12.14								
	C40RC001	16.36	2.30	2.80	3.22	0.00	0.00	15.09	39.77								
	C40RC002	18.39	2.59	4.20	4.08	0.00	0.00	16.96	46.22								
	C40RC003	20.68	2.91	5.60	4.94	0.00	0.00	19.08	53.21								
	C40RC004	22.45	3.16	7.00	6.80	0.00	0.00	20.71	60.12								
	C40RC005	23.75	3.34	8.40	7.65	0.00	0.00	21.91	65.05								
	C40ST001	0.25	0.04	0.07	0.23	0.00	0.00	0.23	0.82								
	C40ST002	0.27	0.04	0.37	0.10	0.00	0.00	0.25	1.03								
	C40ST003	0.39	0.05	0.07	0.28	0.00	0.00	0.36	1.15								
	C40ST004	0.44	0.06	0.59	0.17	0.00	0.00	0.41	1.67								
	C40ST005	0.50	0.07	0.14	0.36	0.00	0.00	0.46	1.53								
	C40ST006	0.51	0.07	0.59	0.17	0.00	0.00	0.47	1.81								
C45																	
	C45GO001	2.82	0.73	3.62	1.01	0.05	0.01	3.31	11.55								
	C45GO002	4.96	1.27	3.62	1.01	0.00	0.00	5.82	16.68								
	C45GO003	10.34	2.64	3.77	0.92	0.00	0.00	12.13	29.80								
	C45GO004	14.11	3.60	6.53	1.59	0.00	0.00	16.56	42.39								
	C45GO005	19.03	4.86	9.35	2.28	0.00	0.00	22.33	57.85								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	C45GO006	30.21	7.72	8.26	2.01	0.00	0.00	35.46	83.66								
	C45GO007	35.28	9.01	8.26	2.01	0.00	0.00	41.41	95.97								
	C45GO008	44.31	11.32	16.02	3.90	0.00	0.00	52.01	127.56								
	C45GO009	50.35	12.86	16.02	3.90	0.00	0.00	59.10	142.23								
C55																	
	C55MO001	2.19	0.42	3.03	0.84	0.03	0.00	2.38	8.89								
	C55MO003	4.58	0.88	4.90	1.19	0.03	0.00	4.98	16.56								
	C55MO004	5.37	1.03	4.90	1.19	0.03	0.00	5.84	18.36								
	C55MO005	10.56	2.05	7.12	1.74	0.19	0.02	11.49	33.17								
	C55MO006	11.79	2.28	9.35	2.28	0.19	0.02	12.82	38.73								
	C55MO007	18.08	3.50	9.35	2.28	0.35	0.05	19.67	53.28								
	C55MO008	20.56	3.99	9.35	2.28	0.61	0.08	22.38	59.25								
	C55MO009	26.37	5.11	12.02	2.93	0.61	0.08	28.69	75.81								
	C55MO010	27.54	5.33	12.02	2.93	0.61	0.08	29.95	78.46								
	C55MO011	29.06	5.62	12.02	2.93	0.61	0.08	31.60	81.92								
	C55MO012	30.19	5.84	12.02	2.93	0.61	0.08	32.83	84.50								
	C55SC001	5.59	1.08	3.03	0.74	0.04	0.01	6.08	16.57								
	C55SC002	12.75	2.46	7.88	1.92	0.13	0.02	13.86	39.02								
	C55SC003	18.12	3.49	9.48	2.31	0.13	0.02	19.69	53.24								
	C55SC004	23.12	4.43	15.76	3.84	0.07	0.01	25.11	72.34								
	C55SC005	22.31	4.34	11.80	2.87	0.75	0.10	24.28	66.45								
	C55SC006	29.86	5.79	11.80	2.87	0.78	0.10	32.49	83.69								
	C55SC007	35.78	6.95	12.92	3.15	1.05	0.14	38.93	98.92								
	C55SC008	44.69	8.66	12.92	3.15	1.09	0.14	48.62	119.27								
	C55SC009	57.57	11.12	19.66	4.79	1.09	0.14	62.60	156.97								
C60																	
	C60FE001	0.12	0.02	0.10	0.03	0.00	0.00	0.14	0.41								
	C60FE002	0.15	0.02	0.19	0.05	0.00	0.00	0.17	0.58								
	C60FE003	0.37	0.06	1.05	0.29	0.00	0.00	0.43	2.20								
	C60FE004	0.77	0.13	1.92	0.53	0.00	0.00	0.89	4.24								
	C60FE005	0.79	0.13	1.92	0.53	0.00	0.00	0.91	4.28								
	C60HO001	0.22	0.04	0.77	0.21	0.00	0.00	0.25	1.49								
	C60HO002	0.27	0.04	1.34	0.37	0.00	0.00	0.31	2.33								
	C60LY001	1.49	0.24	0.96	0.27	0.00	0.00	1.72	4.68								
	C60LY002	1.66	0.27	3.35	0.93	0.00	0.00	1.91	8.12								
	C60LY003	0.18	0.03	0.77	0.21	0.00	0.00	0.21	1.40								
	C60LY004	0.23	0.04	1.05	0.29	0.00	0.00	0.26	1.87								
	C60LY005	0.23	0.04	1.05	0.29	0.00	0.00	0.27	1.88								
	C60LY006	0.25	0.04	0.45	0.18	0.00	0.00	0.29	1.21								
	C60LY007	0.85	0.14	1.72	0.48	0.00	0.00	0.99	4.18								
	C60LY008	1.05	0.17	3.35	0.93	0.00	0.00	1.21	6.71								
	C60LY009	1.99	0.33	6.23	1.73	0.00	0.00	2.29	12.57								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	PCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	PCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
C65																	
	C65MS001	0.19	0.02	0.00	0.06	0.00	0.00	0.52	0.79								
	C65MS002	0.24	0.03	0.00	0.08	0.00	0.00	0.67	1.02								
	C65MS003	0.27	0.03	0.00	0.10	0.00	0.00	0.74	1.14								
	C65MS004	0.30	0.03	0.00	0.13	0.00	0.00	0.82	1.28								
	C65MS005	0.46	0.05	0.00	0.15	0.00	0.00	1.28	1.94								
	C65WC001	0.27	0.03	0.07	0.16	0.00	0.00	0.76	1.29								
	C65WC002	0.29	0.03	0.13	0.19	0.00	0.00	0.81	1.45								
C75																	
	C75BA001	23.75	7.87	6.95	1.81	4.04	0.53	21.70	66.65								
	C75BA002	24.23	7.98	6.95	1.81	3.56	0.46	22.12	67.11								
	C75BD001	3.74	1.20	5.14	1.43	0.18	0.02	3.40	15.11								
	C75BD002	4.67	1.50	7.79	2.17	0.29	0.04	4.25	20.71								
	C75BD003	5.89	1.92	7.79	2.17	0.60	0.08	5.37	23.82								
	C75GV001	10.28	3.37	3.70	0.97	1.34	0.17	9.38	29.21								
	C75GV002	10.28	3.37	3.70	0.97	1.34	0.17	9.38	29.21								
	C75GV003	10.28	3.37	3.70	0.97	1.34	0.17	9.38	29.21								
	C75GV004	10.36	3.36	4.41	1.15	0.94	0.12	9.43	29.77								
	C75GV005	10.36	3.36	4.41	1.15	0.94	0.12	9.43	29.77								
	C75GV006	10.36	3.36	4.41	1.15	0.94	0.12	9.43	29.77								
	C75GV007	10.95	3.55	4.41	1.15	0.94	0.12	9.97	31.09								
	C75GV008	11.75	4.08	4.41	1.15	4.04	0.53	10.82	36.78								
	C75GV009	11.75	4.08	4.41	1.15	4.04	0.53	10.82	36.78								
	C75GV010	11.75	4.08	4.41	1.15	4.04	0.53	10.82	36.78								
	C75GV011	14.07	4.81	4.41	1.15	4.04	0.53	12.92	41.93								
	C75GV012	19.87	6.53	6.24	1.63	1.95	0.25	18.13	54.60								
	C75GV013	22.36	7.43	6.24	1.63	4.04	0.53	20.44	62.67								
	C75GV014	25.81	8.59	6.88	1.80	4.81	0.63	23.60	72.12								
	C75GV015	30.44	10.09	8.11	2.12	5.17	0.67	27.81	84.41								
	C75GV016	37.38	12.96	9.88	2.58	8.95	1.17	34.40	107.32								
	C75LO001	12.25	4.02	4.59	1.20	1.67	0.22	11.18	35.13								
	C75LO002	12.28	4.03	4.59	1.20	1.67	0.22	11.21	35.20								
	C75LO003	12.67	4.16	4.59	1.20	1.67	0.22	11.56	36.07								
	C75LO004	12.67	4.16	4.59	1.20	1.67	0.22	11.56	36.07								
	C75LO005	12.64	4.15	4.59	1.20	1.67	0.22	11.53	36.00								
	C75LO006	12.95	4.24	4.59	1.20	1.67	0.22	11.81	36.68								
	C75LO008	14.51	4.81	5.36	1.40	2.46	0.32	13.26	42.12								
	C75PH001	11.95	3.90	4.59	1.20	1.34	0.17	10.89	34.04								
	C75PH002	11.98	3.91	4.59	1.20	1.34	0.17	10.92	34.11								
	C75PH003	11.98	3.91	4.59	1.20	1.34	0.17	10.92	34.11								
	C75PH004	11.98	3.91	4.59	1.20	1.34	0.17	10.92	34.11								
	C75PH005	13.06	4.28	4.59	1.20	1.64	0.21	11.91	36.89								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	C75PH006	15.29	4.98	5.47	1.43	1.67	0.22	13.93	42.99								
	C75PH007	15.35	5.00	5.47	1.43	1.67	0.22	13.99	43.13								
	C75PH012	21.20	7.01	7.06	1.84	3.43	0.45	19.37	60.36								
	C75PH013	26.93	8.98	8.04	2.10	5.17	0.67	24.63	76.52								
	C75TD002	12.30	4.03	5.40	1.41	1.59	0.21	11.22	36.16								
	C75TD003	14.66	4.79	6.70	1.75	1.67	0.22	13.37	43.16								
	C75TD004	21.82	7.26	6.70	1.75	4.04	0.53	19.95	62.05								
	C75TD005	23.18	7.76	6.70	1.75	4.81	0.63	21.22	66.05								
	C75TD006	12.79	4.18	6.35	1.66	1.56	0.20	11.67	38.41								
	C75TD007	15.09	4.92	6.35	1.66	1.67	0.22	13.75	43.66								
	C75TD008	22.94	7.63	6.35	1.66	4.19	0.55	20.97	64.29								
	C75TD009	25.57	8.55	6.35	1.66	5.17	0.67	23.39	71.36								
C80																	
	C80GV001	13.61	4.36	5.29	1.66	0.59	0.08	9.28	34.87	15.88	4.42	6.91	2.16	0.73	0.10	11.74	41.94
	C80GV002	12.28	4.45	5.29	1.20	0.59	0.08	9.77	33.66	14.03	4.50	6.91	1.56	0.73	0.10	11.96	39.79
	C80GV003	13.11	4.75	5.59	1.27	0.62	0.08	10.43	35.85	14.98	4.80	7.30	1.65	0.77	0.10	12.77	42.37
	C80GV004	14.91	5.39	5.59	1.27	0.64	0.08	11.87	39.75	17.04	5.45	7.30	1.65	0.79	0.10	14.53	46.86
	C80GV005	17.39	6.32	6.20	1.40	1.00	0.13	13.85	46.29	19.88	6.39	8.09	1.83	1.22	0.16	16.95	54.52
	C80GV006	20.12	7.29	6.20	1.40	1.00	0.13	16.02	52.16	23.00	7.38	8.09	1.83	1.22	0.16	19.61	61.29
	C80GV007	24.34	8.80	7.59	1.72	1.04	0.14	19.37	63.00	27.82	8.90	9.91	2.24	1.27	0.17	23.71	74.02
	C80GV008	23.29	9.56	7.59	1.72	2.55	0.33	21.22	66.26	26.20	9.63	9.91	2.24	3.08	0.40	25.36	76.82
	C80GV009	26.91	10.97	8.02	1.81	2.27	0.30	24.50	74.78	30.28	11.05	10.20	2.31	2.79	0.36	29.27	86.26
	C80GV010	27.16	11.11	7.98	1.81	2.77	0.36	24.73	75.92	30.55	11.20	10.15	2.30	3.42	0.45	29.56	87.63
	C80GV011	36.07	16.30	7.06	1.60	4.15	0.54	36.99	102.71	40.08	16.41	8.92	2.02	5.13	0.67	43.37	116.60
	C80GV012	45.94	20.64	7.42	1.68	4.15	0.54	47.06	127.43	51.04	20.77	9.34	2.11	5.13	0.67	55.18	144.24
	C80LI001	16.39	5.25	6.05	1.89	0.70	0.09	11.17	41.54	19.12	5.32	7.90	2.47	0.87	0.11	14.14	49.93
	C80LI002	15.57	4.99	6.20	1.94	0.68	0.09	10.61	40.08	18.17	5.06	8.09	2.53	0.85	0.11	13.43	48.24
	C80LI003	15.38	5.56	6.35	1.44	0.68	0.09	12.23	41.73	17.57	5.62	8.29	1.88	0.83	0.11	14.98	49.28
	C80LI004	16.00	5.79	6.35	1.44	0.68	0.09	12.73	43.08	18.29	5.85	8.29	1.88	0.83	0.11	15.59	50.84
	C80LI005	18.62	6.76	7.26	1.64	1.00	0.13	14.82	50.23	21.28	6.83	9.48	2.14	1.22	0.16	18.15	59.26
	C80LI006	20.47	7.42	7.26	1.64	1.04	0.14	16.30	54.27	23.40	7.51	9.48	2.14	1.27	0.17	19.95	63.92
	C80LI007	21.34	7.74	7.26	1.64	1.10	0.14	16.99	56.21	24.39	7.83	9.48	2.14	1.33	0.17	20.79	66.13
	C80PH001	16.37	5.25	6.35	1.99	0.67	0.09	11.16	41.88	19.10	5.31	8.29	2.60	0.83	0.11	14.12	50.36
	C80PH002	14.85	5.35	6.35	1.44	0.42	0.05	11.80	40.26	16.97	5.41	8.29	1.88	0.51	0.07	14.45	47.58
	C80PH003	14.85	5.35	6.35	1.44	0.42	0.05	11.80	40.26	16.97	5.41	8.29	1.88	0.51	0.07	14.45	47.58
	C80PH006	20.48	7.42	7.56	1.71	1.00	0.13	16.30	54.60	23.41	7.51	9.87	2.23	1.22	0.16	19.96	64.36
	C80PH007	24.36	8.81	10.58	2.39	1.00	0.13	19.38	66.65	27.84	8.91	13.82	3.13	1.22	0.16	23.73	78.81
C85																	
	C85AM002	25.18	7.95	2.94	0.87	0.00	0.00	24.26	61.20	29.38	8.06	3.78	1.12	0.00	0.00	31.66	74.00
	C85AM003	52.06	18.58	6.80	1.30	0.00	0.00	56.10	134.84	59.49	18.79	8.74	1.67	0.00	0.00	70.83	159.52
	C85AM004	105.53	42.04	21.17	4.42	0.00	0.00	125.65	298.81	118.72	42.38	27.22	5.68	0.00	0.00	154.90	348.90
	C85AM005	105.97	42.22	21.17	4.42	0.00	0.00	126.17	299.95	119.22	42.56	27.22	5.68	0.00	0.00	155.55	350.23

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	C85AM007	24.08	8.10	2.31	0.40	0.00	0.00	20.49	55.38	27.79	8.20	3.05	0.53	0.00	0.00	25.21	64.78
	C85AM008	21.45	8.54	2.31	0.44	0.00	0.00	20.67	53.41	24.13	8.61	3.05	0.58	0.00	0.00	24.64	61.01
	C85AM009	23.16	9.23	2.31	0.44	0.00	0.00	22.32	57.46	26.06	9.30	3.05	0.58	0.00	0.00	26.61	65.60
	C85AM010	31.15	12.41	3.94	0.75	0.00	0.00	30.02	78.27	35.05	12.51	5.19	0.99	0.00	0.00	35.79	89.53
	C85AM011	48.43	19.29	5.34	1.02	0.00	0.00	46.67	120.75	54.49	19.45	7.04	1.35	0.00	0.00	55.64	137.97
	C85AM012	46.19	20.31	5.16	1.08	0.00	0.00	49.78	122.52	51.32	20.45	6.80	1.42	0.00	0.00	58.21	138.20
	C85AM013	56.39	24.80	5.16	1.08	0.00	0.00	60.77	148.20	62.66	24.96	6.80	1.42	0.00	0.00	71.06	166.90
	C85AM014	76.87	33.80	9.59	2.00	0.00	0.00	82.84	205.10	85.41	34.02	12.64	2.64	0.00	0.00	96.87	231.58
	C85AM015	106.39	46.78	9.59	2.00	0.00	0.00	114.65	279.41	118.21	47.09	12.64	2.64	0.00	0.00	134.06	314.64
	C85LB002	16.25	5.46	2.22	0.39	0.00	0.00	13.82	38.14	18.75	5.54	2.92	0.51	0.00	0.00	17.01	44.73
	C85LB003	19.56	6.58	2.22	0.39	0.00	0.00	16.64	45.39	22.57	6.66	2.92	0.51	0.00	0.00	20.47	53.13
	C85LB004	23.09	7.77	2.22	0.39	0.00	0.00	19.64	53.11	26.64	7.87	2.92	0.51	0.00	0.00	24.17	62.11
	C85LB005	25.17	10.03	3.60	0.69	0.00	0.00	24.25	63.74	28.32	10.11	4.75	0.91	0.00	0.00	28.92	73.01
	C85LB006	29.10	11.59	4.62	0.88	0.00	0.00	28.03	74.22	32.73	11.68	6.09	1.17	0.00	0.00	33.43	85.10
	C85LB007	36.61	14.59	4.56	0.87	0.00	0.00	35.28	91.91	41.19	14.70	6.02	1.15	0.00	0.00	42.06	105.12
	C85LB008	121.24	53.31	11.09	2.32	0.00	0.00	130.65	318.61	134.71	53.66	14.62	3.05	0.00	0.00	152.77	358.81
	C85LB009	145.24	63.87	11.09	2.32	0.00	0.00	156.52	379.04	161.38	64.29	14.62	3.05	0.00	0.00	183.02	426.36
	C85LB010	59.56	26.19	8.32	1.74	0.00	0.00	64.19	160.00	66.18	26.37	10.96	2.29	0.00	0.00	75.06	180.86
	C85LB011	68.80	30.26	8.32	1.74	0.00	0.00	74.14	183.26	76.45	30.45	10.96	2.29	0.00	0.00	86.70	206.85
	C85MA001	31.44	11.22	6.75	1.29	0.00	0.00	33.88	84.58	35.93	11.35	8.68	1.66	0.00	0.00	42.78	100.40
	C85MA002	52.91	18.89	8.47	1.62	0.00	0.00	57.02	138.91	60.47	19.10	10.89	2.08	0.00	0.00	72.00	164.54
	C85MA003	74.86	29.82	16.11	3.36	0.00	0.00	89.13	213.28	84.22	30.07	20.71	4.33	0.00	0.00	109.89	249.22
	C85MA004	30.74	12.25	5.30	1.02	0.00	0.00	29.62	78.93	34.59	12.35	6.99	1.34	0.00	0.00	35.32	90.59
	C85MA005	36.32	14.47	5.54	1.06	0.00	0.00	35.00	92.39	40.86	14.59	7.31	1.40	0.00	0.00	41.73	105.89
	C85MA006	45.48	20.00	6.65	1.39	0.00	0.00	49.01	122.53	50.53	20.13	8.77	1.83	0.00	0.00	57.31	138.57
	C85MA007	71.85	31.61	12.66	2.64	0.00	0.00	77.48	196.28	79.88	31.82	16.69	3.48	0.00	0.00	90.59	222.46
	C85NO001	22.55	6.18	4.47	1.24	0.00	0.00	20.46	54.90	27.07	6.30	5.75	1.60	0.00	0.00	27.64	68.36
	C85NO002	19.56	6.18	4.47	1.32	0.00	0.00	18.85	50.38	22.82	6.26	5.75	1.70	0.00	0.00	24.60	61.13
	C85NO003	23.10	7.30	5.60	1.66	0.00	0.00	22.26	59.92	26.95	7.39	7.20	2.13	0.00	0.00	29.04	72.71
	C85NO004	32.46	10.25	5.60	1.66	0.00	0.00	31.28	81.25	37.87	10.39	7.20	2.13	0.00	0.00	40.82	98.41
	C85NO005	33.51	11.96	5.60	1.07	0.00	0.00	36.12	88.26	38.30	12.10	7.20	1.38	0.00	0.00	45.60	104.58
	C85NO006	31.73	11.33	7.15	1.37	0.00	0.00	34.19	85.77	36.26	11.45	9.19	1.76	0.00	0.00	43.17	101.83
	C85NO007	37.68	15.01	10.73	2.24	0.00	0.00	44.86	110.52	42.39	15.13	13.79	2.88	0.00	0.00	55.31	129.50
	C85NO008	16.52	5.55	3.51	0.61	0.00	0.00	14.05	40.24	19.06	5.63	4.63	0.81	0.00	0.00	17.29	47.42
	C85NO009	16.65	5.60	3.51	0.61	0.00	0.00	14.17	40.54	19.22	5.67	4.63	0.81	0.00	0.00	17.43	47.76
	C85NO010	21.46	7.22	4.40	0.77	0.00	0.00	18.25	52.10	24.76	7.31	5.80	1.01	0.00	0.00	22.46	61.34
	C85NO011	24.86	9.90	4.40	0.84	0.00	0.00	23.95	63.95	27.96	9.98	5.80	1.11	0.00	0.00	28.56	73.41
	C85NO012	30.61	12.19	4.40	0.84	0.00	0.00	29.49	77.53	34.44	12.29	5.80	1.11	0.00	0.00	35.17	88.81
	C85NO013	27.81	11.08	5.62	1.08	0.00	0.00	26.80	72.39	31.29	11.17	7.41	1.42	0.00	0.00	31.95	83.24
	C85NO014	38.95	15.52	8.43	1.61	0.00	0.00	37.53	102.04	43.82	15.64	11.11	2.13	0.00	0.00	44.74	117.44
	C85PH001	11.55	3.17	2.19	0.61	0.00	0.00	10.48	28.00	13.86	3.23	2.81	0.78	0.00	0.00	14.16	34.84
	C85PH002	21.90	6.92	3.06	0.90	0.00	0.00	21.10	53.88	25.55	7.01	3.93	1.16	0.00	0.00	27.53	65.18

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	C85PH004	31.65	11.30	6.12	1.17	0.00	0.00	34.11	84.35	36.17	11.43	7.86	1.50	0.00	0.00	43.07	100.03
	C85PH005	41.99	14.99	6.12	1.17	0.00	0.00	45.25	109.52	47.99	15.16	7.86	1.50	0.00	0.00	57.13	129.64
	C85PH006	10.67	3.15	1.72	0.48	0.00	0.00	7.87	23.89	12.61	3.20	2.27	0.63	0.00	0.00	10.02	28.73
	C85PH007	18.25	7.27	2.40	0.46	0.00	0.00	17.59	45.97	20.54	7.33	3.17	0.61	0.00	0.00	20.97	52.62
	C85PH009	29.16	11.62	4.80	0.92	0.00	0.00	28.10	74.60	32.81	11.71	6.33	1.21	0.00	0.00	33.50	85.56
	C85PH010	36.05	15.85	4.80	1.00	0.00	0.00	38.85	96.55	40.05	15.96	6.33	1.32	0.00	0.00	45.43	109.09
	C85PH011	47.35	20.82	6.06	1.27	0.00	0.00	51.03	126.53	52.62	20.96	7.99	1.67	0.00	0.00	59.67	142.91
C90																	
	C90AM001	26.38	10.72	5.38	1.22	1.99	0.26	24.00	69.95	29.68	10.81	6.82	1.54	2.46	0.32	28.68	80.31
	C90AM002	32.37	13.14	12.08	2.73	2.28	0.30	29.45	92.35	36.42	13.24	15.48	3.50	2.82	0.37	35.19	107.02
	C90AM003	42.46	18.88	10.04	2.27	1.91	0.25	43.43	119.24	47.18	19.00	12.84	2.91	2.37	0.31	50.93	135.54
	C90AM004	56.63	25.58	10.97	2.48	6.40	0.84	58.07	160.97	62.93	25.74	13.92	3.15	7.90	1.03	68.09	182.76
	C90LI001	23.27	8.42	3.84	0.87	1.08	0.14	18.52	56.14	26.60	8.52	4.84	1.09	1.33	0.17	22.67	65.22
	C90LI002	27.78	10.13	5.35	1.21	1.99	0.26	22.13	68.85	31.75	10.24	6.70	1.52	2.46	0.32	27.09	80.08
	C90LI003	36.02	14.64	7.01	1.59	2.77	0.36	32.78	95.17	40.53	14.76	8.87	2.01	3.43	0.45	39.17	109.22
	C90LI004	39.46	17.64	7.01	1.59	2.77	0.36	40.39	109.22	43.84	17.76	8.87	2.01	3.43	0.45	47.36	123.72
	C90LI005	65.06	29.05	12.29	2.78	4.16	0.54	66.59	180.47	72.29	29.24	15.66	3.54	5.14	0.67	78.08	204.62
	C90PH001	42.17	18.83	8.35	1.89	2.77	0.36	43.16	117.53	46.85	18.96	10.63	2.40	3.43	0.45	50.61	133.33
	C90PH002	76.30	34.03	14.29	3.23	4.50	0.59	78.08	211.02	84.78	34.25	18.26	4.13	5.56	0.73	91.55	239.26
C95																	
	C95LH001	16.39	7.20	4.03	4.75	0.00	0.00	16.78	49.15								
	C95LH002	18.14	7.96	4.03	4.75	0.00	0.00	18.57	53.45								
	C95LH003	20.63	9.06	6.11	5.66	0.00	0.00	21.12	62.58								
	C95LH004	21.80	9.57	6.11	5.66	0.00	0.00	22.32	65.46								
	C95LH005	28.78	12.64	7.87	7.42	0.00	0.00	29.46	86.17								
	C95LH006	32.30	14.18	7.87	7.42	0.00	0.00	33.06	94.83								
	C95LH007	37.66	16.54	7.93	7.45	0.00	0.00	38.55	108.13								
	C95LH008	40.69	17.87	7.93	7.45	0.00	0.00	41.66	115.60								
	C95LH009	39.41	17.30	7.93	7.45	0.00	0.00	40.34	112.43								
	C95LH010	41.69	18.31	7.93	7.45	0.00	0.00	42.68	118.06								
	C95LH011	54.57	23.96	10.86	9.72	0.00	0.00	55.86	154.97								
	C95LH012	62.17	27.30	10.86	9.72	0.00	0.00	63.64	173.69								
	C95LH013	63.82	28.02	11.05	9.81	0.00	0.00	65.34	178.04								
	C95LH014	67.79	29.76	11.05	9.81	0.00	0.00	69.40	187.81								
	C95LH015	103.98	45.66	13.00	12.66	0.00	0.00	106.45	281.75								
	C95LH016	120.04	52.71	13.00	12.66	0.00	0.00	122.89	321.30								
	C95LH017	4.80	2.11	1.11	2.48	0.00	0.00	4.92	15.42								
	C95LH018	6.30	2.77	1.24	2.54	0.00	0.00	6.45	19.30								
	C95LH019	13.83	6.07	2.15	2.93	0.00	0.00	14.16	39.14								
	C95LH020	15.02	6.59	2.28	2.99	0.00	0.00	15.37	42.25								
	C95LH021	21.97	9.65	2.28	2.99	0.00	0.00	22.49	59.38								
	C95LH022	28.03	12.31	4.23	4.84	0.00	0.00	28.70	78.11								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
D10																	
	D10GD001	7.50	1.92	0.00	0.79	0.00	0.00	8.68	18.89								
	D10GD002	7.65	1.95	0.00	0.79	0.00	0.00	8.85	19.24								
	D10GD003	7.89	2.02	0.00	0.79	0.00	0.00	9.12	19.82								
	D10GD004	8.15	2.08	0.00	0.84	0.00	0.00	9.42	20.49								
	D10GD005	8.30	2.12	0.00	0.84	0.00	0.00	9.60	20.86								
	D10GD006	8.54	2.18	0.00	0.84	0.00	0.00	9.87	21.43								
	D10GD007	14.53	3.71	5.75	1.40	0.00	0.00	16.80	42.19								
	D10GD008	20.76	5.30	8.43	2.05	0.00	0.00	24.01	60.55								
	D10IN001	14.04	3.59	8.13	1.98	0.00	0.00	16.24	43.98								
	D10IN002	8.81	2.25	0.00	0.84	0.00	0.00	10.19	22.09								
	D10IN003	7.77	1.99	0.00	0.79	0.00	0.00	8.99	19.54								
	D10SU001	3.05	0.78	0.00	0.49	0.00	0.00	3.52	7.84								
	D10SU002	8.78	2.24	0.00	0.80	0.00	0.00	10.15	21.97								
	D10SU003	9.20	2.35	0.00	0.80	0.00	0.00	10.64	22.99								
	D10SU004	12.43	3.17	0.00	0.90	0.00	0.00	14.37	30.87								
D15																	
	D15BI001	0.68	0.17	0.85	0.24	0.00	0.00	0.71	2.65								
	D15BI002	1.06	0.27	1.37	0.38	0.00	0.00	1.10	4.18								
	D15BI003	1.25	0.32	1.17	0.29	0.00	0.00	1.30	4.33								
	D15BI004	2.54	0.65	1.70	0.41	0.00	0.00	2.65	7.95								
	D15BI005	3.38	0.86	2.46	0.60	0.00	0.00	3.52	10.82								
	D15BI006	5.31	1.36	3.40	0.83	0.00	0.00	5.52	16.42								
	D15BI007	7.00	1.79	4.16	1.01	0.00	0.00	7.28	21.24								
D20																	
	D20AD001	0.24	0.05	0.08	0.23	0.00	0.00	0.24	0.84								
	D20AD002	0.30	0.06	0.16	0.31	0.00	0.00	0.29	1.12								
	D20AD003	0.48	0.10	0.24	0.39	0.00	0.00	0.47	1.68								
	D20AD004	1.09	0.23	0.88	1.33	0.00	0.00	1.07	4.60								
	D20LY001	0.46	0.10	0.24	0.59	0.00	0.00	0.45	1.84								
	D20LY002	0.49	0.10	0.00	0.60	0.00	0.00	0.48	1.67								
D25																	
	D25AD001	2.34	0.60	0.76	0.16	0.00	0.00	2.71	6.57								
	D25AD002	3.18	0.81	1.81	0.38	0.00	0.00	3.67	9.85								
	D25AD003	4.32	1.10	1.97	0.41	0.00	0.00	5.00	12.80								
	D25DE001	1.37	0.35	0.76	0.16	0.00	0.00	1.58	4.22								
	D25EZ001	0.43	0.11	0.00	0.50	0.00	0.00	0.50	1.54								
	D25EZ002	0.43	0.12	0.00	0.50	0.04	0.01	0.51	1.61								
	D25EZ003	0.44	0.11	0.00	0.50	0.03	0.00	0.51	1.59								
	D25EZ004	1.71	0.44	0.00	1.20	0.05	0.01	1.99	5.40								
	D25EZ005	1.87	0.49	0.00	1.25	0.05	0.01	2.17	5.84								
	D25SP001	1.51	0.39	2.56	0.36	0.00	0.00	1.75	6.57								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	D25SP002	1.63	0.42	1.97	0.27	0.00	0.00	1.89	6.18								
	D25SP003	2.43	0.62	3.42	0.48	0.00	0.00	2.81	9.76								
	D25SP004	2.68	0.69	3.93	0.55	0.00	0.00	3.10	10.95								
	D25SP005	3.49	0.89	7.78	1.08	0.00	0.00	4.04	17.28								
	D25SP006	2.00	0.52	1.32	0.28	0.04	0.01	2.32	6.49								
	D25SP007	2.46	0.63	1.78	0.37	0.04	0.01	2.85	8.14								
D30																	
	D30DE002	2.10	0.54	1.13	0.28	0.09	0.01	2.43	6.58								
	D30HD001	5.57	1.42	7.94	3.93	0.00	0.00	6.44	25.30								
	D30HD002	9.80	2.50	10.21	5.49	0.00	0.00	11.33	39.33								
	D30HD003	11.19	2.86	12.66	7.08	0.00	0.00	12.94	46.73								
	D30MR001	0.46	0.12	0.60	0.17	0.00	0.00	0.53	1.88								
	D30MR002	1.25	0.32	2.05	0.57	0.00	0.00	1.45	5.64								
	D30MR003	2.13	0.56	8.12	2.26	0.09	0.01	2.48	15.65								
	D30MR004	2.60	0.68	3.97	0.97	0.09	0.01	3.02	11.34								
	D30MR005	4.60	1.21	14.02	3.90	0.36	0.05	5.34	29.48								
	D30MR006	5.08	1.33	12.45	3.47	0.36	0.05	5.90	28.64								
	D30MR007	8.69	2.25	13.15	3.66	0.36	0.05	10.08	38.24								
D35																	
	D35GD001	12.30	4.27	4.95	1.64	0.00	0.00	14.22	37.38								
	D35GD002	12.73	4.42	9.45	3.12	0.00	0.00	14.71	44.43								
	D35GD003	16.29	5.66	9.45	3.12	0.00	0.00	18.84	53.36								
	D35GD004	20.24	7.03	12.29	4.06	0.00	0.00	23.40	67.02								
	D35IN001	20.87	7.25	17.01	5.62	0.00	0.00	24.13	74.88								
	D35IN002	28.22	9.89	21.56	7.13	1.34	0.17	32.69	101.00								
	D35IN003	21.73	7.62	17.96	5.94	1.12	0.15	25.18	79.70								
	D35RO001	18.98	6.68	15.12	5.00	1.25	0.16	22.00	69.19								
	D35RO002	28.39	10.02	14.66	4.85	2.25	0.29	32.93	93.39								
	D35RO003	23.43	8.14	13.99	4.62	0.00	0.00	27.09	77.27								
	D35RO004	26.20	9.10	13.99	4.62	0.00	0.00	30.29	84.20								
	D35RO005	22.04	7.66	15.12	5.00	0.00	0.00	25.48	75.30								
	D35RO006	30.00	13.17	19.85	5.52	0.00	0.00	34.69	103.23								
F10																	
	F10CA001	1.76	0.46	1.17	0.46	0.07	0.01	1.53	5.46								
	F10CA002	1.80	0.47	1.17	0.46	0.09	0.01	1.56	5.56								
	F10CA003	1.96	0.51	2.08	0.81	0.10	0.01	1.70	7.17								
	F10CA004	2.19	0.57	2.08	0.81	0.10	0.01	1.91	7.67								
	F10CA005	2.60	0.68	3.06	1.20	0.10	0.01	2.25	9.90								
	F10CA006	3.14	0.82	3.45	1.35	0.17	0.02	2.73	11.68								
	F10CA007	3.29	0.86	3.45	1.35	0.14	0.02	2.86	11.97								
	F10CA008	3.46	0.89	3.45	1.35	0.09	0.01	3.00	12.25								
	F10CA009	1.68	0.43	2.55	0.53	0.03	0.00	1.45	6.67								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	F10CA010	1.85	0.49	3.31	0.69	0.14	0.02	1.61	8.11								
	F10CA011	1.95	0.52	3.31	0.69	0.22	0.03	1.70	8.42								
	F10CA012	2.92	0.76	4.35	0.91	0.15	0.02	2.54	11.65								
	F10CA013	2.94	0.77	4.35	0.91	0.15	0.02	2.56	11.70								
	F10CA014	3.06	0.80	4.35	0.91	0.15	0.02	2.66	11.95								
	F10CA015	4.37	1.14	2.00	0.42	0.21	0.03	3.80	11.97								
	F10CA016	4.71	1.23	2.12	0.44	0.21	0.03	4.09	12.83								
	F10CA017	6.14	1.63	3.78	0.79	0.49	0.06	5.35	18.24								
	F10CA018	6.73	1.78	3.78	0.79	0.49	0.06	5.86	19.49								
	F10CA019	7.36	1.92	3.78	0.79	0.37	0.05	6.40	20.67								
	F10CA020	7.48	2.00	3.78	0.79	0.74	0.10	6.53	21.42								
	F10CA021	2.87	0.77	2.06	0.43	0.29	0.04	2.50	8.96								
	F10CA022	2.93	0.78	2.06	0.43	0.29	0.04	2.56	9.09								
	F10CA023	3.53	0.94	2.06	0.43	0.29	0.04	3.08	10.37								
	F10CA024	3.56	0.97	2.06	0.43	0.51	0.07	3.12	10.72								
	F10HY001	1.59	0.42	3.17	0.66	0.14	0.02	1.39	7.39								
	F10HY002	2.16	0.57	4.35	0.91	0.17	0.02	1.89	10.07								
	F10HY003	3.53	0.93	6.49	1.35	0.26	0.03	3.07	15.66								
	F10HY004	4.42	1.17	6.49	1.35	0.32	0.04	3.85	17.64								
	F10HY005	5.62	1.49	3.84	0.80	0.49	0.06	4.90	17.20								
	F10HY006	6.71	1.78	3.84	0.80	0.57	0.07	5.85	19.62								
	F10HY007	6.85	1.81	3.84	0.80	0.52	0.07	5.97	19.86								
	F10HY008	13.79	3.66	5.87	1.22	1.18	0.15	12.02	37.89								
G10																	
	G10CA001	1.71	0.40	4.72	0.99	0.00	0.00	1.28	9.10	2.13	0.41	6.16	1.29	0.00	0.00	1.83	11.82
	G10CA002	2.13	0.50	7.29	1.52	0.00	0.00	1.60	13.04	2.66	0.51	9.51	1.99	0.00	0.00	2.28	16.95
	G10CA003	2.16	0.50	8.13	1.70	0.00	0.00	1.62	14.11	2.71	0.52	10.62	2.22	0.00	0.00	2.32	18.39
	G10CA004	2.41	0.56	10.04	2.10	0.00	0.00	1.81	16.92	3.01	0.58	13.11	2.74	0.00	0.00	2.58	22.02
	G10CA005	2.60	0.61	11.13	2.32	0.00	0.00	1.95	18.61	3.25	0.62	14.53	3.03	0.00	0.00	2.79	24.22
	G10CA006	4.26	0.99	16.03	3.35	0.00	0.00	3.20	27.83	5.33	1.02	20.92	4.37	0.00	0.00	4.57	36.21
	G10CA007	4.86	1.13	18.60	3.88	0.00	0.00	3.65	32.12	6.07	1.16	24.28	5.07	0.00	0.00	5.21	41.79
	G10CA008	6.49	1.51	23.71	4.95	0.00	0.00	4.87	41.53	8.11	1.55	30.95	6.46	0.00	0.00	6.96	54.03
	G10CA009	8.56	1.99	28.18	5.88	0.00	0.00	6.42	51.03	10.70	2.05	36.80	7.68	0.00	0.00	9.17	66.40
	G10CA010	11.18	2.60	39.28	8.20	0.00	0.00	8.39	69.65	13.97	2.68	51.28	10.71	0.00	0.00	11.98	90.62
	G10CA011	16.90	3.93	54.86	11.45	0.00	0.00	12.68	99.82	21.12	4.04	71.62	14.95	0.00	0.00	18.12	129.85
	G10HO001	0.09	0.02	0.35	0.07	0.00	0.00	0.06	0.59	0.10	0.02	0.45	0.09	0.00	0.00	0.08	0.74
	G10HO002	0.12	0.02	0.48	0.10	0.00	0.00	0.08	0.80	0.14	0.02	0.63	0.13	0.00	0.00	0.10	1.02
	G10HO003	0.10	0.02	0.72	0.00	0.00	0.00	0.07	0.91	0.12	0.02	0.94	0.00	0.00	0.00	0.09	1.17
	G10HO004	0.23	0.04	0.76	0.16	0.00	0.00	0.15	1.34	0.27	0.05	1.00	0.21	0.00	0.00	0.20	1.73
	G10KH001	0.09	0.02	0.35	0.07	0.00	0.00	0.06	0.59	0.10	0.02	0.45	0.09	0.00	0.00	0.08	0.74
	G10KH002	0.11	0.02	0.55	0.12	0.00	0.00	0.07	0.87	0.12	0.02	0.73	0.15	0.00	0.00	0.09	1.11
	G10KH003	0.14	0.03	0.76	0.16	0.00	0.00	0.09	1.18	0.16	0.03	1.00	0.21	0.00	0.00	0.12	1.52

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	G10ON001	0.30	0.06	0.35	0.07	0.00	0.00	0.20	0.98	0.35	0.06	0.45	0.09	0.00	0.00	0.26	1.21
	G10ON002	0.39	0.07	0.69	0.14	0.00	0.00	0.25	1.54	0.44	0.08	0.91	0.19	0.00	0.00	0.33	1.95
	G10ON003	0.45	0.09	0.69	0.14	0.00	0.00	0.29	1.66	0.51	0.09	0.91	0.19	0.00	0.00	0.38	2.08
	G10ON004	0.52	0.10	1.38	0.29	0.00	0.00	0.33	2.62	0.59	0.10	1.81	0.38	0.00	0.00	0.44	3.32
	G10ON005	0.71	0.17	0.97	0.20	0.00	0.00	0.53	2.58	0.89	0.17	1.27	0.26	0.00	0.00	0.76	3.35
	G10ON006	0.76	0.18	1.04	0.22	0.00	0.00	0.57	2.77	0.95	0.18	1.36	0.28	0.00	0.00	0.81	3.58
	G10ON007	0.88	0.20	0.45	0.09	0.00	0.00	0.66	2.28	1.10	0.21	0.59	0.12	0.00	0.00	0.94	2.96
	G10ON008	0.74	0.17	0.18	0.04	0.00	0.00	0.55	1.68	0.92	0.18	0.24	0.05	0.00	0.00	0.79	2.18
	G10ON009	0.88	0.20	0.36	0.08	0.00	0.00	0.66	2.18	1.09	0.21	0.47	0.10	0.00	0.00	0.94	2.81
	G10ON010	1.17	0.27	0.67	0.14	0.00	0.00	0.88	3.13	1.47	0.28	0.87	0.18	0.00	0.00	1.26	4.06
	G10ON011	1.22	0.28	0.82	0.17	0.00	0.00	0.92	3.41	1.53	0.29	1.07	0.22	0.00	0.00	1.31	4.42
	G10ON012	1.33	0.31	1.00	0.21	0.00	0.00	1.00	3.85	1.66	0.32	1.30	0.27	0.00	0.00	1.42	4.97
	G10ON013	1.42	0.33	1.51	0.32	0.00	0.00	1.07	4.65	1.78	0.34	1.97	0.41	0.00	0.00	1.53	6.03
	G10ON014	1.51	0.35	1.97	0.41	0.00	0.00	1.13	5.37	1.89	0.36	2.57	0.54	0.00	0.00	1.62	6.98
	G10ON015	1.69	0.39	2.63	0.55	0.00	0.00	1.27	6.53	2.11	0.40	3.43	0.72	0.00	0.00	1.81	8.47
	G10ON016	1.76	0.41	3.57	0.75	0.00	0.00	1.32	7.81	2.20	0.42	4.66	0.97	0.00	0.00	1.89	10.14
	G10ON017	1.98	0.46	3.57	0.75	0.00	0.00	1.48	8.24	2.47	0.47	4.66	0.97	0.00	0.00	2.12	10.69
	G10ON018	2.18	0.51	4.69	0.98	0.00	0.00	1.64	10.00	2.72	0.52	6.12	1.28	0.00	0.00	2.34	12.98
	G10ON019	2.43	0.57	5.78	1.21	0.00	0.00	1.83	11.82	3.04	0.58	7.54	1.57	0.00	0.00	2.61	15.34
	G10ON020	2.73	0.64	6.86	1.43	0.00	0.00	2.05	13.71	3.41	0.65	8.96	1.87	0.00	0.00	2.93	17.82
G15																	
	G15CA001	7.74	2.64	3.47	1.02	0.59	0.08	6.75	22.29	9.28	2.68	4.52	1.34	0.79	0.10	8.67	27.38
	G15CA002	9.30	3.16	3.74	1.11	0.59	0.08	8.11	26.09	11.16	3.21	4.88	1.44	0.79	0.10	10.42	32.00
	G15CA003	9.93	3.37	3.74	1.11	0.65	0.08	8.66	27.54	11.92	3.43	4.88	1.44	0.88	0.11	11.13	33.79
	G15CA004	10.12	3.45	4.16	1.23	0.75	0.10	8.83	28.64	12.14	3.50	5.42	1.60	1.01	0.13	11.34	35.14
	G15CA005	14.56	5.03	5.54	1.64	1.64	0.21	12.75	41.37	17.48	5.11	7.22	2.14	2.21	0.29	16.38	50.83
	G15CA006	20.86	7.23	7.62	2.25	2.55	0.33	18.28	59.12	25.03	7.35	9.93	2.94	3.44	0.45	23.49	72.63
	G15CH001	7.44	2.56	3.74	1.11	0.74	0.10	6.51	22.20	8.93	2.60	4.88	1.44	1.00	0.13	8.37	27.35
	G15CH002	8.16	2.79	4.24	1.25	0.71	0.09	7.13	24.37	9.79	2.84	5.53	1.63	0.96	0.13	9.16	30.04
	G15CH003	8.92	3.06	5.18	1.53	0.82	0.11	7.79	27.41	10.70	3.11	6.75	2.00	1.11	0.14	10.02	33.83
	G15CH004	9.84	3.36	5.82	1.72	0.82	0.11	8.59	30.26	11.81	3.42	7.59	2.24	1.11	0.14	11.04	37.35
	G15CH005	10.58	3.71	5.54	1.64	1.64	0.21	9.29	32.61	12.69	3.77	7.22	2.14	2.21	0.29	11.94	40.26
	G15CH006	12.25	4.26	5.54	1.64	1.64	0.21	10.74	36.28	14.70	4.33	7.22	2.14	2.21	0.29	13.80	44.69
	G15CH007	7.02	2.41	3.74	1.11	0.71	0.09	6.14	21.22	8.42	2.45	4.88	1.44	0.96	0.13	7.89	26.17
	G15CH008	7.46	2.56	4.24	1.25	0.71	0.09	6.53	22.84	8.96	2.60	5.53	1.63	0.96	0.13	8.38	28.19
	G15CH009	8.14	2.80	5.18	1.53	0.82	0.11	7.12	25.70	9.77	2.84	6.75	2.00	1.11	0.14	9.15	31.76
	G15CH010	9.26	3.17	5.82	1.72	0.82	0.11	8.09	28.99	11.11	3.22	7.59	2.24	1.11	0.14	10.39	35.80
	G15CH011	9.99	3.51	5.54	1.64	1.64	0.21	8.79	31.32	11.99	3.57	7.22	2.14	2.21	0.29	11.29	38.71
	G15CH012	11.64	4.06	5.54	1.64	1.64	0.21	10.22	34.95	13.97	4.13	7.22	2.14	2.21	0.29	13.13	43.09
	G15FI001	7.67	2.62	3.74	1.11	0.65	0.08	6.70	22.57	9.20	2.67	4.88	1.44	0.88	0.11	8.60	27.78
	G15FI002	8.16	2.80	4.30	1.27	0.75	0.10	7.13	24.51	9.79	2.84	5.60	1.66	1.01	0.13	9.16	30.19
	G15FI003	8.53	2.96	4.57	1.35	1.09	0.14	7.48	26.12	10.23	3.01	5.96	1.76	1.47	0.19	9.61	32.23

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	G15FI004	4.54	1.58	1.88	0.56	0.65	0.08	3.99	13.28	5.45	1.61	2.46	0.73	0.88	0.11	5.12	16.36
	G15FI005	7.17	2.46	3.74	1.11	0.65	0.08	6.26	21.47	8.60	2.50	4.88	1.44	0.88	0.11	8.05	26.46
	G15FI006	7.54	2.59	4.30	1.27	0.77	0.10	6.59	23.16	9.04	2.63	5.60	1.66	1.04	0.14	8.47	28.58
	G15FI007	8.03	2.78	4.57	1.35	0.96	0.13	7.04	24.86	9.64	2.82	5.96	1.76	1.32	0.17	9.04	30.71
	G15GI001	7.54	2.58	3.99	1.18	0.65	0.08	6.58	22.60	9.04	2.62	5.20	1.54	0.88	0.11	8.46	27.85
	G15GI002	8.31	2.84	3.99	1.18	0.65	0.08	7.25	24.30	9.97	2.88	5.20	1.54	0.88	0.11	9.32	29.90
	G15GI004	8.94	3.06	4.60	1.36	0.77	0.10	7.81	26.64	10.72	3.11	6.00	1.77	1.04	0.14	10.03	32.81
	G15GI006	9.71	3.31	5.65	1.67	0.77	0.10	8.47	29.68	11.65	3.37	7.37	2.18	1.04	0.14	10.89	36.64
	G15ID002	8.29	2.84	3.99	1.18	0.77	0.10	7.24	24.41	9.94	2.89	5.20	1.54	1.04	0.14	9.31	30.06
	G15ID003	8.96	3.06	4.60	1.36	0.77	0.10	7.82	26.67	10.75	3.11	6.00	1.77	1.04	0.14	10.05	32.86
	G15ID004	9.73	3.32	5.65	1.67	0.77	0.10	8.49	29.73	11.68	3.37	7.37	2.18	1.04	0.14	10.91	36.69
	G15JD001	6.23	2.14	2.49	0.74	0.59	0.08	5.44	17.71	7.47	2.17	3.25	0.96	0.79	0.10	6.99	21.73
	G15JD002	8.10	2.76	3.74	1.11	0.59	0.08	7.06	23.44	9.72	2.80	4.88	1.44	0.79	0.10	9.08	28.81
	G15JD003	9.59	3.25	3.74	1.11	0.59	0.08	8.35	26.71	11.50	3.30	4.88	1.44	0.79	0.10	10.73	32.74
	G15JD004	9.22	3.15	4.30	1.27	0.71	0.09	8.05	26.79	11.07	3.20	5.60	1.66	0.96	0.13	10.34	32.96
	G15JD005	10.63	3.61	4.30	1.27	0.71	0.09	9.27	29.88	12.76	3.67	5.60	1.66	0.96	0.13	11.91	36.69
	G15KM001	9.15	3.11	3.74	1.11	0.59	0.08	7.98	25.76	10.99	3.16	4.88	1.44	0.79	0.10	10.25	31.61
	G15KM002	9.91	3.39	3.88	1.15	0.82	0.11	8.65	27.91	11.89	3.44	5.06	1.50	1.11	0.14	11.12	34.26
	G15KM003	10.71	3.65	4.30	1.27	0.82	0.11	9.34	30.20	12.85	3.71	5.60	1.66	1.11	0.14	12.01	37.08
	G15KM004	14.15	4.89	5.54	1.64	1.64	0.21	12.39	40.46	16.98	4.97	7.22	2.14	2.21	0.29	15.92	49.73
	G15KM005	19.78	6.87	7.76	2.30	2.55	0.33	17.34	56.93	23.73	6.98	10.11	2.99	3.44	0.45	22.28	69.98
	G15MI001	5.24	1.79	2.11	0.62	0.40	0.05	4.58	14.79	6.29	1.82	2.75	0.81	0.53	0.07	5.88	18.15
	G15MI002	5.94	2.02	2.52	0.75	0.40	0.05	5.18	16.86	7.13	2.05	3.29	0.97	0.53	0.07	6.66	20.70
	G15MI003	7.77	2.63	4.16	1.23	0.46	0.06	6.77	23.08	9.32	2.68	5.42	1.60	0.61	0.08	8.70	28.41
	G15MI004	8.55	2.90	4.82	1.43	0.53	0.07	7.45	25.75	10.25	2.95	6.28	1.86	0.70	0.09	9.57	31.70
H10																	
	H10NP001	0.72	0.12	0.00	0.50	0.00	0.00	0.83	2.17								
	H10NP002	0.79	0.13	0.00	0.50	0.00	0.00	0.91	2.33								
	H10NP003	0.92	0.15	0.00	0.75	0.00	0.00	1.06	2.88								
	H10NP004	1.25	0.20	0.00	0.75	0.00	0.00	1.44	3.64								
	H10NP005	1.70	0.28	0.00	1.00	0.00	0.00	1.96	4.94								
	H10NP006	2.33	0.38	0.00	1.00	0.00	0.00	2.69	6.40								
	H10NP007	2.90	0.47	0.00	1.00	0.00	0.00	3.34	7.71								
	H10NP008	3.34	0.55	0.00	1.25	0.00	0.00	3.86	9.00								
	H10NP009	4.16	0.68	0.00	1.25	0.00	0.00	4.80	10.89								
	H10NP010	5.05	0.83	0.00	1.50	0.00	0.00	5.83	13.21								
	H10NP011	5.88	0.96	0.00	2.00	0.00	0.00	6.79	15.63								
	H10NP012	7.21	1.18	0.00	2.50	0.00	0.00	8.32	19.21								
	H10NP013	10.67	1.75	0.00	3.00	0.00	0.00	12.31	27.73								
	H10NP014	14.73	2.41	0.00	3.50	0.00	0.00	16.99	37.63								
H13																	
	H13AY007	10.06	2.57	0.00	0.00	0.00	0.00	10.45	23.08								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	H13AY008	4.84	1.24	0.00	0.00	0.00	0.00	5.03	11.11								
	H13AY009	8.56	2.19	0.00	0.00	0.00	0.00	8.89	19.64								
	H13AY010	4.26	1.09	0.00	0.00	0.00	0.00	4.42	9.77								
	H13AY011	8.14	2.08	0.00	0.00	0.00	0.00	8.45	18.67								
	H13AY012	4.03	1.03	0.00	0.00	0.00	0.00	4.19	9.25								
	H13AY013	6.28	1.60	0.00	0.00	0.00	0.00	6.52	14.40								
	H13AY014	3.33	0.85	0.00	0.00	0.00	0.00	3.46	7.64								
	H13AY015	3.76	0.96	0.00	0.00	0.00	0.00	3.91	8.63								
	H13AY016	2.25	0.58	0.00	0.00	0.00	0.00	2.34	5.17								
	H13AY017	11.96	3.05	0.00	0.00	0.00	0.00	12.42	27.43								
	H13AY018	5.49	1.40	0.00	0.00	0.00	0.00	5.70	12.59								
	H13AY019	0.93	0.24	0.07	0.03	0.00	0.00	0.97	2.24								
	H13AY020	0.31	0.08	0.00	0.00	0.00	0.00	0.33	0.72								
	H13AY021	13.52	3.18	0.00	0.00	0.31	0.04	11.76	28.81								
	H13AY022	6.64	1.58	0.00	0.00	0.31	0.04	5.78	14.35								
	H13AY023	11.50	2.71	0.00	0.00	0.31	0.04	10.00	24.56								
	H13AY024	5.95	1.42	0.00	0.00	0.31	0.04	5.19	12.91								
	H13AY025	9.82	2.32	0.00	0.00	0.31	0.04	8.55	21.04								
	H13AY026	5.25	1.26	0.00	0.00	0.31	0.04	4.58	11.44								
	H13AY027	9.30	2.20	0.00	0.00	0.31	0.04	8.09	19.94								
	H13AY028	4.93	1.19	0.00	0.00	0.31	0.04	4.30	10.77								
	H13AY029	7.19	1.71	0.00	0.00	0.31	0.04	6.26	15.51								
	H13AY030	4.11	1.00	0.00	0.00	0.31	0.04	3.59	9.05								
	H13AY031	4.55	1.10	0.00	0.00	0.31	0.04	3.98	9.98								
	H13AY032	2.95	0.72	0.00	0.00	0.31	0.04	2.58	6.60								
	H13BB001	3.67	0.40	0.65	1.00	0.00	0.00	3.99	9.71								
	H13BB002	7.01	0.76	0.98	1.38	0.00	0.00	7.62	17.75								
	H13BC001	7.46	0.88	0.33	0.14	0.00	0.00	6.02	14.83								
	H13BC002	3.62	0.43	0.33	0.14	0.00	0.00	2.92	7.44								
	H13BC003	2.78	0.33	0.33	0.14	0.00	0.00	2.24	5.82								
	H13BC004	3.46	0.41	0.33	0.14	0.00	0.00	2.79	7.13								
	H13BC005	2.60	0.31	0.33	0.14	0.00	0.00	2.10	5.48								
	H13BC006	2.15	0.25	0.20	0.08	0.00	0.00	1.74	4.42								
	H13BC007	2.73	0.32	0.20	0.08	0.00	0.00	2.21	5.54								
	H13BC008	3.30	0.39	0.33	0.14	0.00	0.00	2.67	6.83								
	H13BC009	2.22	0.26	0.20	0.08	0.00	0.00	1.79	4.55								
	H13BC010	1.65	0.19	0.20	0.08	0.00	0.00	1.33	3.45								
	H13CB001	1.42	0.33	0.33	0.14	0.00	0.00	1.23	3.45								
	H13CB002	1.62	0.38	0.65	0.28	0.00	0.00	1.41	4.34								
	H13CC001	15.88	4.79	3.25	1.41	0.00	0.00	16.50	41.83								
	H13CC002	17.49	5.27	3.25	1.41	0.00	0.00	18.17	45.59								
	H13CC003	20.65	6.22	3.25	1.41	0.00	0.00	21.45	52.98								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	H13CN001	4.35	1.03	1.30	1.51	0.13	0.02	4.74	13.08								
	H13CN002	7.29	1.72	2.60	2.52	0.19	0.02	7.93	22.27								
	H13CN003	8.58	2.02	4.88	1.91	0.19	0.02	9.33	26.93								
	H13CO001	3.61	0.84	0.13	0.56	0.00	0.00	3.14	8.28								
	H13HR001	4.66	1.19	0.03	0.01	0.00	0.00	4.84	10.73								
	H13HR002	5.25	1.34	0.10	0.04	0.00	0.00	5.45	12.18								
	H13HR003	9.50	2.24	0.07	2.03	0.19	0.02	8.27	22.32								
	H13MN001	16.86	4.00	9.75	6.82	0.58	0.08	16.53	54.62								
	H13MN002	20.79	4.91	13.00	9.09	0.58	0.08	20.37	68.82								
	H13MN003	25.09	5.91	13.00	10.09	0.58	0.08	24.57	79.32								
	H13MN004	29.02	6.83	19.50	13.63	0.58	0.08	28.42	98.06								
	H13PI001	0.73	0.18	1.24	0.26	0.08	0.01	0.64	3.14								
	H13PI002	0.76	0.19	0.52	0.23	0.08	0.01	0.67	2.46								
	H13PI003	0.84	0.20	0.52	0.23	0.00	0.00	0.73	2.52								
	H13PO001	37.29	8.68	3.58	1.40	0.00	0.00	40.50	91.45								
	H13PR001	5.58	1.43	0.20	0.08	0.00	0.00	5.80	13.09								
	H13PR002	6.39	1.53	0.20	0.08	0.31	0.04	5.57	14.12								
	H13PR003	10.34	2.64	0.33	0.14	0.00	0.00	10.74	24.19								
	H13PR004	11.79	2.78	0.33	0.14	0.31	0.04	10.26	25.65								
	H13PR005	14.38	3.67	0.33	0.14	0.00	0.00	14.94	33.46								
	H13PR006	16.38	3.85	0.33	0.14	0.31	0.04	14.24	35.29								
	H13PR007	32.12	8.20	0.65	0.28	0.00	0.00	33.36	74.61								
	H13PR008	34.68	8.24	0.65	0.28	1.41	0.18	30.21	75.65								
	H13PR009	7.49	1.78	0.07	0.03	0.31	0.04	6.53	16.25								
	H13PR010	7.69	1.83	0.07	0.03	0.31	0.04	6.70	16.67								
	H13PR011	9.56	2.26	0.13	0.06	0.31	0.04	8.32	20.68								
	H13PR012	10.15	2.40	0.13	0.06	0.31	0.04	8.84	21.93								
	H13PR013	11.44	2.70	0.13	0.06	0.31	0.04	9.96	24.64								
	H13PR014	12.72	3.00	0.20	0.08	0.31	0.04	11.07	27.42								
	H13PR015	14.71	3.46	0.20	0.08	0.31	0.04	12.79	31.59								
	H13PR016	8.07	1.92	0.52	0.23	0.31	0.04	7.03	18.12								
	H13PR017	11.75	2.77	0.65	0.28	0.31	0.04	10.22	26.02								
	H13PR018	17.22	4.05	0.98	0.42	0.31	0.04	14.97	37.99								
	H13PR019	24.19	5.67	1.30	0.57	0.31	0.04	21.02	53.10								
	H13PR020	6.52	1.66	0.07	0.03	0.00	0.00	6.77	15.05								
	H13PR021	6.70	1.71	0.07	0.03	0.00	0.00	6.96	15.47								
	H13PR022	8.39	2.14	0.13	0.06	0.00	0.00	8.71	19.43								
	H13PR023	8.93	2.28	0.07	0.03	0.00	0.00	9.27	20.58								
	H13PR024	10.08	2.58	0.13	0.06	0.00	0.00	10.47	23.32								
	H13PR025	11.21	2.86	0.20	0.08	0.00	0.00	11.65	26.00								
	H13PR026	13.08	3.34	0.20	0.08	0.00	0.00	13.59	30.29								
	H13PR027	7.06	1.80	0.52	0.23	0.00	0.00	7.33	16.94								

TABLE 2-2. HOURLY RATE ELEMENTS

CAT	ID.NO.	AVERAGE OPERATING CONDITIONS DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	SEVERE OPERATING CONDITIONS DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	H13PR028	10.45	2.67	0.65	0.28	0.00	0.00	10.85	24.90								
	H13PR029	15.59	3.98	0.98	0.42	0.00	0.00	16.20	37.17								
	H13PR030	22.00	5.62	1.30	0.57	0.00	0.00	22.86	52.35								
	H13SH001	2.86	0.67	0.98	0.38	0.00	0.00	2.80	7.69								
	H13SH002	2.88	0.67	0.98	0.38	0.00	0.00	2.82	7.73								
	H13SH003	5.57	1.30	2.60	1.02	0.00	0.00	5.44	15.93								
	H13SH004	5.99	1.39	2.60	1.02	0.00	0.00	5.85	16.85								
	H13SH005	9.09	2.12	6.50	2.54	0.00	0.00	8.88	29.13								
	H13SH006	29.56	6.88	22.75	8.91	0.00	0.00	28.90	97.00								
	H13SH007	31.28	7.28	39.00	15.27	0.00	0.00	30.58	123.41								
H20																	
	H20BE001	1.10	0.26	0.00	0.10	0.00	0.00	1.02	2.48								
	H20BE002	1.46	0.34	0.00	0.20	0.00	0.00	1.34	3.34								
	H20BE003	1.86	0.43	0.00	0.30	0.00	0.00	1.71	4.30								
	H20BE004	3.30	0.77	0.00	0.40	0.00	0.00	3.04	7.51								
	H20SK001	8.12	1.89	3.02	0.63	0.00	0.00	7.49	21.15								
	H20SK002	10.97	2.55	3.02	0.63	0.00	0.00	10.12	27.29								
	H20SK003	16.88	3.93	3.93	0.82	0.00	0.00	15.57	41.13								
	H20SK004	18.81	4.38	4.54	0.95	0.00	0.00	17.35	46.03								
H25																	
	H25AK001	12.03	2.77	1.86	0.61	0.00	0.00	10.43	27.70	14.81	2.84	2.42	0.80	0.00	0.00	14.67	35.54
	H25AK002	15.72	3.62	4.02	1.33	0.00	0.00	13.63	38.32	19.35	3.71	5.24	1.73	0.00	0.00	19.17	49.20
	H25AK003	15.91	4.06	4.60	1.52	0.00	0.00	14.78	40.87	19.89	4.17	6.00	1.98	0.00	0.00	20.76	52.80
	H25AK005	29.04	7.42	7.26	2.40	0.00	0.00	26.97	73.09	36.30	7.61	9.46	3.13	0.00	0.00	37.89	94.39
	H25BA001	13.52	3.11	2.36	0.78	0.00	0.00	11.72	31.49	16.64	3.19	3.07	1.02	0.00	0.00	16.49	40.41
	H25BA002	20.18	4.64	4.44	1.47	0.00	0.00	17.49	48.22	24.84	4.76	5.78	1.91	0.00	0.00	24.61	61.90
	H25BA003	19.96	5.10	6.51	2.15	0.00	0.00	18.53	52.25	24.94	5.23	8.49	2.81	0.00	0.00	26.04	67.51
	H25BA004	23.98	6.12	8.54	2.82	0.00	0.00	22.27	63.73	29.97	6.28	11.12	3.68	0.00	0.00	31.28	82.33
	H25BA005	44.40	12.18	17.08	3.27	0.00	0.00	53.33	130.26	53.28	12.41	22.25	4.26	0.00	0.00	69.83	162.03
	H25CA001	8.85	2.04	1.97	0.65	0.00	0.00	7.67	21.18	10.89	2.09	2.56	0.85	0.00	0.00	10.79	27.18
	H25CA002	11.08	2.55	2.61	0.86	0.00	0.00	9.60	26.70	13.63	2.61	3.40	1.12	0.00	0.00	13.50	34.26
	H25CA003	13.02	2.99	3.05	1.01	0.00	0.00	11.28	31.35	16.02	3.07	3.97	1.31	0.00	0.00	15.87	40.24
	H25CA004	15.53	3.57	3.47	1.15	0.00	0.00	13.46	37.18	19.12	3.66	4.52	1.49	0.00	0.00	18.94	47.73
	H25CA005	15.08	3.85	3.88	1.28	0.00	0.00	14.01	38.10	18.86	3.95	5.06	1.67	0.00	0.00	19.68	49.22
	H25CA006	16.64	4.25	4.57	1.51	0.00	0.00	15.45	42.42	20.80	4.36	5.96	1.97	0.00	0.00	21.71	54.80
	H25CA007	30.48	7.78	6.93	2.29	0.00	0.00	28.31	75.79	38.10	7.98	9.03	2.99	0.00	0.00	39.76	97.86
	H25CA008	41.40	11.35	9.98	1.91	0.00	0.00	49.72	114.36	49.68	11.57	13.00	2.49	0.00	0.00	65.10	141.84
	H25CA009	5.78	1.33	1.50	0.49	0.00	0.00	5.01	14.11	7.12	1.36	1.95	0.64	0.00	0.00	7.05	18.12
	H25CA010	7.61	1.75	2.19	0.72	0.00	0.00	6.60	18.87	9.37	1.80	2.85	0.94	0.00	0.00	9.28	24.24
	H25CA011	8.31	1.91	2.33	0.77	0.00	0.00	7.20	20.52	10.23	1.96	3.03	1.00	0.00	0.00	10.13	26.35
	H25CA012	14.23	3.27	3.27	1.08	0.00	0.00	12.33	34.18	17.51	3.36	4.26	1.41	0.00	0.00	17.35	43.89
	H25CA013	14.86	3.42	3.27	1.08	0.00	0.00	12.88	35.51	18.29	3.51	4.26	1.41	0.00	0.00	18.12	45.59

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	H25CA014	16.30	3.75	4.10	1.36	0.00	0.00	14.12	39.63	20.06	3.84	5.35	1.77	0.00	0.00	19.87	50.89
	H25CA015	16.98	3.91	4.10	1.36	0.00	0.00	14.72	41.07	20.90	4.01	5.35	1.77	0.00	0.00	20.70	52.73
	H25CA016	22.09	5.08	5.74	1.90	0.00	0.00	19.14	53.95	27.18	5.21	7.48	2.47	0.00	0.00	26.93	69.27
	H25CA017	22.99	5.29	5.74	1.90	0.00	0.00	19.93	55.85	28.30	5.42	7.48	2.47	0.00	0.00	28.04	71.71
	H25CA018	25.41	5.84	5.54	1.83	0.00	0.00	22.02	60.64	31.27	5.99	7.22	2.39	0.00	0.00	30.98	77.85
	H25CA019	26.05	5.99	5.54	1.83	0.00	0.00	22.58	61.99	32.07	6.15	7.22	2.39	0.00	0.00	31.77	79.60
	H25CS002	10.06	2.31	3.55	1.17	0.00	0.00	8.72	25.81	12.39	2.37	4.62	1.53	0.00	0.00	12.27	33.18
	H25DE003	3.30	0.50	0.00	2.00	0.00	0.00	3.58	9.38								
	H25DE004	5.06	0.76	0.00	2.50	0.00	0.00	5.50	13.82								
	H25FI004	11.92	2.74	2.25	0.74	0.00	0.00	10.33	27.98	14.67	2.81	2.93	0.97	0.00	0.00	14.53	35.91
	H25FI005	12.06	3.08	3.30	1.09	0.00	0.00	11.20	30.73	15.07	3.16	4.30	1.42	0.00	0.00	15.73	39.68
	H25FI006	15.03	3.84	4.19	1.38	0.00	0.00	13.96	38.40	18.79	3.94	5.45	1.80	0.00	0.00	19.62	49.60
	H25FI007	27.89	7.12	7.76	2.57	0.00	0.00	25.90	71.24	34.86	7.30	10.11	3.34	0.00	0.00	36.38	91.99
	H25GA001	16.66	3.83	4.49	1.48	0.00	0.00	14.44	40.90	20.51	3.93	5.85	1.93	0.00	0.00	20.32	52.54
	H25GA002	19.99	4.60	4.49	1.48	0.00	0.00	17.32	47.88	24.60	4.71	5.85	1.93	0.00	0.00	24.37	61.46
	H25HI001	9.84	2.26	2.00	0.66	0.00	0.00	8.53	23.29	12.11	2.32	2.60	0.86	0.00	0.00	12.00	29.89
	H25HI002	12.86	2.96	2.99	0.99	0.00	0.00	11.15	30.95	15.83	3.03	3.90	1.29	0.00	0.00	15.68	39.73
	H25HI003	11.57	2.66	2.52	0.83	0.00	0.00	10.02	27.60	14.23	2.73	3.29	1.09	0.00	0.00	14.10	35.44
	H25HI005	15.62	3.59	3.30	1.09	0.00	0.00	13.54	37.14	19.22	3.68	4.30	1.42	0.00	0.00	19.04	47.66
	H25HI009	18.20	4.65	4.46	1.48	0.00	0.00	16.90	45.69	22.75	4.77	5.82	1.92	0.00	0.00	23.74	59.00
	H25HI010	19.05	4.87	4.46	1.48	0.00	0.00	17.69	47.55	23.81	4.99	5.82	1.92	0.00	0.00	24.85	61.39
	H25HI011	27.27	6.96	7.62	2.52	0.00	0.00	25.32	69.69	34.08	7.14	9.93	3.28	0.00	0.00	35.58	90.01
	H25HI012	28.69	7.33	7.62	2.52	0.00	0.00	26.64	72.80	35.86	7.51	9.93	3.28	0.00	0.00	37.43	94.01
	H25HI015	44.51	14.06	14.19	2.96	0.00	0.00	58.33	134.05	51.92	14.24	18.49	3.86	0.00	0.00	73.73	162.24
	H25HI016	2.74	0.63	0.64	0.21	0.00	0.00	2.38	6.60	3.38	0.65	0.83	0.27	0.00	0.00	3.35	8.48
	H25HI017	3.12	0.72	0.69	0.23	0.00	0.00	2.70	7.46	3.84	0.74	0.90	0.30	0.00	0.00	3.80	9.58
	H25HI018	4.07	0.94	1.05	0.35	0.00	0.00	3.53	9.94	5.02	0.96	1.37	0.45	0.00	0.00	4.97	12.77
	H25HI019	40.57	11.13	11.48	2.20	0.00	0.00	48.73	114.11	48.69	11.34	14.95	2.86	0.00	0.00	63.81	141.65
	H25HI020	78.04	24.65	23.84	4.98	0.00	0.00	102.28	233.79	91.05	24.97	31.06	6.49	0.00	0.00	129.29	282.86
	H25HI021	177.13	55.95	45.29	9.46	0.00	0.00	232.15	519.98	206.65	56.67	59.02	12.32	0.00	0.00	293.45	628.11
	H25IS001	11.82	2.72	3.74	1.24	0.00	0.00	10.24	29.76	14.54	2.79	4.88	1.61	0.00	0.00	14.41	38.23
	H25IS002	14.18	3.26	4.66	1.54	0.00	0.00	12.29	35.93	17.45	3.34	6.07	2.01	0.00	0.00	17.29	46.16
	H25IS003	14.28	3.65	5.24	1.73	0.00	0.00	13.26	38.16	17.85	3.74	6.83	2.26	0.00	0.00	18.63	49.31
	H25IS004	22.24	5.68	7.01	2.32	0.00	0.00	20.65	57.90	27.80	5.82	9.14	3.02	0.00	0.00	29.01	74.79
	H25IS005	26.71	6.82	8.73	2.89	0.00	0.00	24.81	69.96	33.39	7.00	11.38	3.76	0.00	0.00	34.85	90.38
	H25IS006	33.14	9.09	12.95	2.48	0.00	0.00	39.80	97.46	39.76	9.26	16.87	3.23	0.00	0.00	52.11	121.23
	H25JD001	2.24	0.52	0.42	0.14	0.00	0.00	1.94	5.26	2.76	0.53	0.54	0.18	0.00	0.00	2.73	6.74
	H25JD002	3.27	0.75	0.64	0.21	0.00	0.00	2.83	7.70	4.02	0.77	0.83	0.27	0.00	0.00	3.99	9.88
	H25JD003	4.71	1.08	1.08	0.36	0.00	0.00	4.08	11.31	5.80	1.11	1.41	0.47	0.00	0.00	5.74	14.53
	H25JD004	6.07	1.40	1.52	0.50	0.00	0.00	5.26	14.75	7.48	1.43	1.99	0.66	0.00	0.00	7.41	18.97
	H25JD005	8.97	2.06	2.08	0.69	0.00	0.00	7.77	21.57	11.04	2.12	2.71	0.90	0.00	0.00	10.93	27.70
	H25JD006	11.21	2.58	2.63	0.87	0.00	0.00	9.72	27.01	13.80	2.64	3.43	1.13	0.00	0.00	13.67	34.67

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	H25JD007	11.91	2.74	3.47	1.15	0.00	0.00	10.33	29.60	14.66	2.81	4.52	1.49	0.00	0.00	14.53	38.01
	H25JD008	15.74	3.62	4.30	1.42	0.00	0.00	13.64	38.72	19.37	3.71	5.60	1.85	0.00	0.00	19.19	49.72
	H25JD010	17.91	4.57	5.41	1.79	0.00	0.00	16.63	46.31	22.38	4.69	7.04	2.33	0.00	0.00	23.36	59.80
	H25KM001	9.21	2.12	2.33	0.77	0.00	0.00	7.99	22.42	11.34	2.17	3.03	1.00	0.00	0.00	11.23	28.77
	H25KM002	11.15	2.56	2.74	0.91	0.00	0.00	9.66	27.02	13.72	2.63	3.58	1.18	0.00	0.00	13.60	34.71
	H25KM003	14.72	3.38	3.41	1.13	0.00	0.00	12.75	35.39	18.11	3.47	4.44	1.47	0.00	0.00	17.94	45.43
	H25KM004	14.64	3.74	4.35	1.44	0.00	0.00	13.60	37.77	18.30	3.83	5.67	1.87	0.00	0.00	19.10	48.77
	H25KM005	19.85	5.07	5.74	1.90	0.00	0.00	18.44	51.00	24.81	5.20	7.48	2.47	0.00	0.00	25.90	65.86
	H25KM006	40.00	10.97	11.20	2.14	0.00	0.00	48.04	112.35	48.00	11.18	14.59	2.79	0.00	0.00	62.91	139.47
	H25KM007	58.08	15.93	15.02	2.88	0.00	0.00	69.76	161.67	69.70	16.23	19.58	3.75	0.00	0.00	91.34	200.60
	H25KM008	48.55	15.34	15.02	3.14	0.00	0.00	63.62	145.67	56.64	15.53	19.58	4.09	0.00	0.00	80.43	176.27
	H25KO001	6.95	1.60	1.41	0.47	0.00	0.00	6.02	16.45	8.55	1.64	1.84	0.61	0.00	0.00	8.47	21.11
	H25KO002	8.59	1.98	2.41	0.80	0.00	0.00	7.44	21.22	10.57	2.03	3.14	1.04	0.00	0.00	10.47	27.25
	H25KO003	11.42	2.92	3.49	1.15	0.00	0.00	10.61	29.59	14.28	2.99	4.55	1.50	0.00	0.00	14.90	38.22
	H25KO004	14.35	3.67	4.44	1.47	0.00	0.00	13.33	37.26	17.94	3.76	5.78	1.91	0.00	0.00	18.73	48.12
	H25KO005	17.88	4.57	6.29	2.08	0.00	0.00	16.61	47.43	22.35	4.68	8.20	2.71	0.00	0.00	23.33	61.27
	H25KO006	26.15	6.68	8.01	2.65	0.00	0.00	24.28	67.77	32.68	6.85	10.44	3.45	0.00	0.00	34.11	87.53
	H25KO007	43.55	11.94	11.64	2.23	0.00	0.00	52.31	121.67	52.26	12.17	15.17	2.90	0.00	0.00	68.49	150.99
	H25LU001	2.71	0.41	0.00	0.40	0.00	0.00	2.65	6.17								
	H25LU002	3.13	0.47	0.00	0.50	0.00	0.00	3.06	7.16								
	H25LU003	4.81	0.72	0.00	0.80	0.00	0.00	4.70	11.03								
	H25LU004	5.56	0.83	0.00	0.90	0.00	0.00	5.43	12.72								
	H25LU005	7.02	1.05	0.00	1.10	0.00	0.00	6.86	16.03								
	H25LU006	9.33	1.40	0.00	1.50	0.00	0.00	9.12	21.35								
	H25LU007	7.67	1.15	0.00	1.40	0.00	0.00	7.50	17.72								
	H25LU008	10.10	1.52	0.00	1.60	0.00	0.00	9.87	23.09								
	H25LU009	11.07	1.66	0.00	1.70	0.00	0.00	10.83	25.26								
	H25LU010	13.33	2.00	0.00	2.00	0.00	0.00	13.03	30.36								
	H25LU011	13.26	1.99	0.00	2.00	0.00	0.00	12.97	30.22								
	H25LU012	16.29	2.44	0.00	2.50	0.00	0.00	15.93	37.16								
	H25LU013	16.88	2.53	0.00	2.60	0.00	0.00	16.50	38.51								
	H25LU014	19.78	2.97	0.00	3.00	0.00	0.00	19.33	45.08								
	H25LU015	19.41	2.91	0.00	3.00	0.00	0.00	18.97	44.29								
	H25LU016	23.38	3.51	0.00	3.60	0.00	0.00	22.86	53.35								
	H25LU017	7.64	1.15	0.00	1.20	0.00	0.00	7.47	17.46								
	H25LU018	9.26	1.39	0.00	1.40	0.00	0.00	9.05	21.10								
	H25LU019	11.02	1.65	0.00	1.65	0.00	0.00	10.78	25.10								
	H25LU020	12.65	1.90	0.00	2.00	0.00	0.00	12.36	28.91								
	H25LU021	8.65	1.30	0.00	1.30	0.00	0.00	8.45	19.70								
	H25LU022	0.67	0.11	0.00	0.20	0.00	0.00	0.62	1.60								
	H25LU023	1.28	0.21	0.00	0.25	0.00	0.00	1.18	2.92								
	H25LU024	1.87	0.31	0.00	0.30	0.00	0.00	1.72	4.20								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	H25LU025	2.31	0.38	0.00	0.40	0.00	0.00	2.13	5.22								
	H25LU026	2.63	0.43	0.00	0.50	0.00	0.00	2.42	5.98								
	H25LU027	2.95	0.48	0.00	0.60	0.00	0.00	2.72	6.75								
	H25LU028	3.79	0.62	0.00	0.70	0.00	0.00	3.49	8.60								
	H25LU029	2.35	0.38	0.00	0.40	0.00	0.00	2.17	5.30								
	H25LU030	3.91	0.64	0.00	0.60	0.00	0.00	3.61	8.76								
	H25LU031	7.37	1.21	0.00	1.20	0.00	0.00	6.80	16.58								
	H25LU032	8.91	1.46	0.00	1.40	0.00	0.00	8.22	19.99								
	H25LU033	3.60	0.59	0.00	0.60	0.00	0.00	3.32	8.11								
	H25LU034	5.04	0.82	0.00	0.80	0.00	0.00	4.65	11.31								
	H25LU035	5.38	0.88	0.00	0.90	0.00	0.00	4.96	12.12								
	H25LU036	5.71	0.93	0.00	1.00	0.00	0.00	5.27	12.91								
	H25LU037	4.81	0.79	0.00	0.00	0.00	0.00	4.44	10.04								
	H25LU038	2.13	0.32	0.00	0.40	0.00	0.00	2.31	5.16								
	H25LU039	3.39	0.51	0.00	0.50	0.00	0.00	3.68	8.08								
	H25LU040	7.72	1.16	0.00	1.20	0.00	0.00	8.38	18.46								
	H25LU041	10.24	1.54	0.00	1.60	0.00	0.00	11.12	24.50								
	H25LU042	14.18	2.13	0.00	2.20	0.00	0.00	15.39	33.90								
	H25LU043	2.17	0.33	0.00	0.35	0.00	0.00	2.35	5.20								
	H25LU044	2.67	0.40	0.00	0.40	0.00	0.00	2.90	6.37								
	H25LU045	3.03	0.45	0.00	0.50	0.00	0.00	3.29	7.27								
	H25LU046	3.39	0.51	0.00	0.50	0.00	0.00	3.68	8.08								
	H25LU047	4.00	0.60	0.00	0.60	0.00	0.00	4.34	9.54								
	H25LU048	4.32	0.65	0.00	0.70	0.00	0.00	4.69	10.36								
	H25LU049	5.33	0.80	0.00	0.80	0.00	0.00	5.79	12.72								
	H25LU050	5.85	0.88	0.00	0.90	0.00	0.00	6.35	13.98								
	H25LU051	7.19	1.08	0.00	1.00	0.00	0.00	7.81	17.08								
	H25LU052	9.81	1.47	0.00	1.10	0.00	0.00	10.65	23.03								
	H25MD001	9.16	2.11	2.33	0.77	0.00	0.00	7.94	22.31	11.27	2.16	3.03	1.00	0.00	0.00	11.16	28.62
	H25MD002	13.86	3.19	3.41	1.13	0.00	0.00	12.01	33.60	17.06	3.27	4.44	1.47	0.00	0.00	16.90	43.14
	H25MD003	14.53	3.71	4.24	1.40	0.00	0.00	13.50	37.38	18.16	3.81	5.53	1.83	0.00	0.00	18.96	48.29
	H25MD004	17.47	4.46	5.10	1.69	0.00	0.00	16.23	44.95	21.84	4.58	6.65	2.20	0.00	0.00	22.79	58.06
	H25MD005	18.22	4.65	6.29	2.08	0.00	0.00	16.92	48.16	22.77	4.77	8.20	2.71	0.00	0.00	23.77	62.22
	H25MD006	25.30	6.46	6.85	2.26	0.00	0.00	23.50	64.37	31.63	6.63	8.92	2.95	0.00	0.00	33.01	83.14
	H25MD007	26.01	6.64	7.93	2.62	0.00	0.00	24.16	67.36	32.51	6.81	10.33	3.42	0.00	0.00	33.94	87.01
H30																	
	H30AK001	16.86	3.56	4.38	1.37	0.27	0.04	9.79	36.27	20.75	3.67	5.72	1.79	0.34	0.04	13.27	45.58
	H30AK002	17.16	4.03	5.02	1.57	0.35	0.05	11.26	39.44	21.45	4.14	6.55	2.05	0.44	0.06	15.24	49.93
	H30BA001	14.90	3.26	3.84	1.20	1.09	0.14	8.72	33.15	18.34	3.35	4.84	1.52	1.35	0.18	11.82	41.40
	H30BA002	25.08	5.30	6.36	1.99	0.39	0.05	14.57	53.74	30.86	5.46	8.10	2.54	0.48	0.06	19.75	67.25
	H30CA001	9.79	2.12	2.15	0.67	0.56	0.07	5.72	21.08	12.05	2.19	2.80	0.88	0.68	0.09	7.75	26.44
	H30CA002	12.45	2.68	2.84	0.89	0.56	0.07	7.26	26.75	15.33	2.76	3.71	1.16	0.68	0.09	9.84	33.57

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	H30CA003	14.39	3.09	3.33	1.04	0.56	0.07	8.39	30.87	17.71	3.18	4.34	1.36	0.68	0.09	11.37	38.73
	H30CA004	15.74	3.73	4.08	1.28	0.56	0.07	10.34	35.80	19.67	3.83	5.33	1.67	0.68	0.09	13.99	45.26
	H30GA002	19.63	4.19	6.69	2.09	0.65	0.08	11.43	44.76	24.16	4.31	8.55	2.68	0.81	0.11	15.49	56.11
	H30GA003	12.62	2.70	4.32	1.35	0.41	0.05	7.35	28.80	15.53	2.77	5.65	1.77	0.51	0.07	9.96	36.26
	H30GA004	13.93	2.98	4.32	1.35	0.49	0.06	8.12	31.25	17.15	3.07	5.65	1.77	0.59	0.08	11.00	39.31
	H30GA005	23.06	4.91	6.33	1.98	0.65	0.08	13.42	50.43	28.38	5.05	8.07	2.53	0.81	0.11	18.19	63.14
H35																	
	H35HI001	41.25	14.72	14.19	2.96	0.00	0.00	54.06	127.18	47.14	14.89	18.49	3.86	0.00	0.00	66.94	151.32
	H35HI002	68.30	24.38	25.50	5.32	0.00	0.00	89.51	213.01	78.05	24.66	33.23	6.94	0.00	0.00	110.84	253.72
	H35HI003	155.00	55.33	46.02	9.61	0.00	0.00	203.14	469.10	177.15	55.96	59.96	12.52	0.00	0.00	251.55	557.14
	H35HI004	35.40	11.18	11.48	2.20	0.00	0.00	38.65	98.91	41.30	11.32	14.95	2.86	0.00	0.00	49.61	120.04
L10																	
	L10BS001	2.15	0.45	0.00	0.40	0.00	0.00	2.24	5.24	2.65	0.46	0.00	0.40	0.00	0.00	3.06	6.57
	L10BS002	1.92	0.40	0.00	0.30	0.00	0.00	2.00	4.62	2.37	0.41	0.00	0.30	0.00	0.00	2.74	5.82
	L10BS003	2.62	0.55	0.00	0.30	0.00	0.00	2.73	6.20	3.22	0.56	0.00	0.30	0.00	0.00	3.73	7.81
	L10BS004	0.86	0.18	0.00	0.25	0.00	0.00	0.89	2.18	1.05	0.18	0.00	0.25	0.00	0.00	1.22	2.70
	L10BS005	1.91	0.40	0.00	0.30	0.00	0.00	1.99	4.60	2.35	0.41	0.00	0.30	0.00	0.00	2.72	5.78
	L10BS006	2.89	0.61	0.00	0.40	0.00	0.00	3.01	6.91	3.56	0.62	0.00	0.40	0.00	0.00	4.12	8.70
	L10BS007	3.56	0.75	0.00	0.50	0.00	0.00	3.71	8.52	4.39	0.77	0.00	0.50	0.00	0.00	5.08	10.74
	L10BU001	0.43	0.09	0.00	0.80	0.00	0.00	0.45	1.77	0.53	0.09	0.00	0.80	0.00	0.00	0.61	2.03
	L10BU002	0.83	0.17	0.00	1.50	0.00	0.00	0.87	3.37	1.02	0.18	0.00	1.50	0.00	0.00	1.18	3.88
	L10BU003	1.14	0.24	0.00	2.00	0.00	0.00	1.18	4.56	1.40	0.24	0.00	2.00	0.00	0.00	1.62	5.26
	L10BU004	1.41	0.30	0.00	2.50	0.00	0.00	1.47	5.68	1.73	0.30	0.00	2.50	0.00	0.00	2.01	6.54
	L10BU005	0.59	0.12	0.00	1.10	0.00	0.00	0.61	2.42	0.73	0.13	0.00	1.10	0.00	0.00	0.84	2.80
	L10BU006	0.20	0.04	0.00	0.70	0.00	0.00	0.21	1.15	0.24	0.04	0.00	0.70	0.00	0.00	0.28	1.26
	L10BU007	0.21	0.04	0.00	0.80	0.00	0.00	0.22	1.27	0.26	0.05	0.00	0.80	0.00	0.00	0.30	1.41
	L10BU008	0.23	0.05	0.00	0.80	0.00	0.00	0.24	1.32	0.28	0.05	0.00	0.80	0.00	0.00	0.32	1.45
	L10BU009	0.24	0.05	0.00	0.90	0.00	0.00	0.25	1.44	0.29	0.05	0.00	0.90	0.00	0.00	0.34	1.58
	L10CI001	0.50	0.11	1.15	0.30	0.00	0.00	0.53	2.59	0.62	0.11	1.50	0.39	0.00	0.00	0.72	3.34
	L10VE001	0.63	0.13	1.21	0.32	0.02	0.00	0.66	2.97	0.77	0.14	1.59	0.41	0.02	0.00	0.90	3.83
	L10VE002	0.67	0.14	2.17	0.57	0.01	0.00	0.70	4.26	0.83	0.15	2.84	0.74	0.02	0.00	0.96	5.54
	L10VE003	1.82	0.39	3.96	1.03	0.03	0.00	1.90	9.13	2.25	0.40	5.17	1.35	0.03	0.00	2.60	11.80
	L10VE004	2.89	0.61	3.96	1.03	0.03	0.00	3.01	11.53	3.56	0.63	5.17	1.35	0.03	0.00	4.12	14.86
	L10VE005	1.28	0.27	0.83	0.22	0.03	0.00	1.34	3.97	1.58	0.28	1.08	0.28	0.03	0.00	1.83	5.08
	L10VE006	1.69	0.36	0.83	0.22	0.03	0.00	1.76	4.89	2.08	0.37	1.08	0.28	0.03	0.00	2.41	6.25
	L10VE007	1.68	0.35	0.00	1.50	0.00	0.00	1.75	5.28	2.07	0.36	0.00	1.50	0.00	0.00	2.40	6.33
	L10VE008	5.75	1.21	0.00	3.00	0.00	0.00	5.99	15.95	7.08	1.24	0.00	3.00	0.00	0.00	8.20	19.52
L15																	
	L15EX001	2.65	0.29	1.97	0.41	0.04	0.01	2.02	7.39								
	L15EX002	2.97	0.33	0.83	0.17	0.04	0.01	2.26	6.61								
	L15EX003	3.52	0.39	0.87	0.18	0.04	0.01	2.68	7.69								
	L15EX004	3.31	0.37	1.06	0.22	0.04	0.01	2.52	7.53								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	L15EX005	3.05	0.34	2.91	0.61	0.04	0.01	2.33	9.29								
	L15EX006	3.22	0.36	3.68	0.77	0.04	0.01	2.45	10.53								
	L15EX007	3.80	0.42	3.68	0.77	0.04	0.01	2.89	11.61								
	L15EX008	5.75	0.64	1.10	0.23	0.10	0.01	4.38	12.21								
	L15EX009	3.73	0.41	3.68	0.77	0.04	0.01	2.84	11.48								
	L15TO001	0.15	0.02	0.43	0.09	0.00	0.00	0.12	0.81								
	L15TO002	0.34	0.04	0.68	0.14	0.03	0.00	0.26	1.49								
	L15TO003	1.29	0.14	1.45	0.30	0.03	0.00	0.99	4.20								
	L15TO004	1.36	0.15	1.45	0.30	0.03	0.00	1.04	4.33								
	L15TO005	2.87	0.32	0.79	0.17	0.04	0.01	2.19	6.39								
	L15TO006	2.36	0.26	1.71	0.36	0.04	0.01	1.80	6.54								
	L15TO007	2.49	0.28	1.71	0.36	0.04	0.01	1.90	6.79								
	L15TO008	3.01	0.33	0.79	0.17	0.04	0.01	2.29	6.64								
L20																	
	L20AB001	1.52	0.36	0.59	0.12	0.06	0.01	2.83	5.49								
	L20AB002	1.40	0.33	0.59	0.12	0.06	0.01	2.60	5.11								
	L20AB003	0.89	0.21	0.20	0.04	0.06	0.01	1.66	3.07								
	L20AB004	0.66	0.16	0.20	0.04	0.06	0.01	1.24	2.37								
	L20AB005	0.97	0.23	0.39	0.08	0.06	0.01	1.80	3.54								
	L20AB006	0.39	0.10	0.45	0.09	0.06	0.01	0.74	1.84								
	L20AB007	0.49	0.12	0.20	0.04	0.06	0.01	0.92	1.84								
	L20AB008	0.34	0.09	0.45	0.09	0.06	0.01	0.65	1.69								
	L20AB009	0.44	0.11	0.20	0.04	0.06	0.01	0.83	1.69								
	L20AB010	0.56	0.14	0.43	0.20	0.06	0.01	1.05	2.45								
	L20AB011	0.37	0.10	0.43	0.20	0.06	0.01	0.71	1.88								
	L20AI001	0.44	0.11	0.36	0.08	0.02	0.00	0.83	1.84								
	L20AI002	1.26	0.29	0.43	0.09	0.03	0.00	2.34	4.44								
	L20AI003	1.45	0.34	0.63	0.13	0.03	0.00	2.68	5.26								
	L20AI004	1.90	0.44	1.45	0.30	0.03	0.00	3.51	7.63								
L25																	
	L25MB001	0.28	0.06	0.36	0.83	0.00	0.00	0.42	1.95								
	L25MB002	0.36	0.08	0.54	1.11	0.00	0.00	0.53	2.62								
	L25MB003	1.00	0.23	0.91	1.44	0.00	0.00	1.48	5.06								
	L25MB004	7.13	1.66	17.22	5.10	0.23	0.03	10.56	41.93								
L30																	
	L30KL001	1.85	0.53	0.30	0.07	0.48	0.06	2.19	5.48	2.31	0.54	0.39	0.10	0.61	0.08	3.00	7.03
	L30KL002	0.61	0.16	0.15	0.04	0.00	0.00	0.70	1.66	0.76	0.16	0.20	0.05	0.00	0.00	0.96	2.13
	L30KL003	0.79	0.20	0.09	0.02	0.00	0.00	0.91	2.01	0.99	0.21	0.12	0.03	0.00	0.00	1.25	2.60
	L30KL004	0.12	0.03	0.00	0.00	0.00	0.00	0.14	0.29	0.15	0.03	0.00	0.00	0.00	0.00	0.19	0.37
	L30KL005	0.59	0.15	0.00	0.00	0.00	0.00	0.68	1.42	0.74	0.16	0.00	0.00	0.00	0.00	0.94	1.84
	L30KL006	0.48	0.12	0.09	0.02	0.00	0.00	0.55	1.26	0.60	0.13	0.12	0.03	0.00	0.00	0.76	1.64
	L30KL007	0.65	0.17	0.15	0.04	0.00	0.00	0.75	1.76	0.81	0.17	0.20	0.05	0.00	0.00	1.03	2.26

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	L30KL008	0.92	0.23	0.15	0.04	0.00	0.00	1.06	2.40	1.15	0.24	0.20	0.05	0.00	0.00	1.46	3.10
	L30KL009	0.09	0.02	0.00	0.00	0.00	0.00	0.11	0.22	0.11	0.02	0.00	0.00	0.00	0.00	0.14	0.27
	L30KL010	1.94	0.56	0.60	0.15	0.54	0.07	2.29	6.15	2.43	0.57	0.79	0.19	0.70	0.09	3.15	7.92
	L30KL011	0.71	0.18	0.24	0.06	0.00	0.00	0.82	2.01	0.89	0.19	0.32	0.08	0.00	0.00	1.13	2.61
	L30KL012	0.87	0.22	0.15	0.04	0.00	0.00	1.00	2.28	1.09	0.23	0.20	0.05	0.00	0.00	1.38	2.95
	L30KL013	0.12	0.03	0.00	0.00	0.00	0.00	0.14	0.29	0.15	0.03	0.00	0.00	0.00	0.00	0.19	0.37
	L30KL014	0.59	0.15	0.00	0.00	0.00	0.00	0.68	1.42	0.74	0.16	0.00	0.00	0.00	0.00	0.94	1.84
	L30KL015	0.58	0.15	0.09	0.02	0.00	0.00	0.67	1.51	0.73	0.15	0.12	0.03	0.00	0.00	0.92	1.95
	L30KL016	0.79	0.20	0.15	0.04	0.00	0.00	0.91	2.09	0.99	0.21	0.20	0.05	0.00	0.00	1.26	2.71
	L30KL017	1.07	0.27	0.24	0.06	0.00	0.00	1.24	2.88	1.34	0.28	0.32	0.08	0.00	0.00	1.70	3.72
	L30KL018	0.09	0.02	0.00	0.00	0.00	0.00	0.11	0.22	0.11	0.02	0.00	0.00	0.00	0.00	0.14	0.27
	L30KL019	2.36	0.67	0.91	0.22	0.67	0.09	2.79	7.71	2.95	0.69	1.18	0.29	0.88	0.11	3.83	9.93
	L30KL020	0.75	0.19	0.27	0.07	0.00	0.00	0.87	2.15	0.94	0.20	0.36	0.09	0.00	0.00	1.19	2.78
	L30KL021	0.94	0.24	0.21	0.05	0.00	0.00	1.09	2.53	1.18	0.25	0.28	0.07	0.00	0.00	1.50	3.28
	L30KL022	0.12	0.03	0.00	0.00	0.00	0.00	0.14	0.29	0.15	0.03	0.00	0.00	0.00	0.00	0.19	0.37
	L30KL023	0.59	0.15	0.00	0.00	0.00	0.00	0.68	1.42	0.74	0.16	0.00	0.00	0.00	0.00	0.94	1.84
	L30KL024	0.66	0.17	0.15	0.04	0.00	0.00	0.76	1.78	0.82	0.17	0.20	0.05	0.00	0.00	1.04	2.28
	L30KL025	0.90	0.23	0.24	0.06	0.00	0.00	1.04	2.47	1.13	0.24	0.32	0.08	0.00	0.00	1.43	3.20
	L30KL026	1.05	0.27	0.24	0.06	0.00	0.00	1.21	2.83	1.31	0.27	0.32	0.08	0.00	0.00	1.66	3.64
	L30KL027	0.09	0.02	0.00	0.00	0.00	0.00	0.11	0.22	0.11	0.02	0.00	0.00	0.00	0.00	0.14	0.27
	L30KL028	2.54	0.73	1.21	0.29	0.74	0.10	3.00	8.61	3.18	0.75	1.58	0.38	0.99	0.13	4.13	11.14
	L30KL029	0.93	0.24	0.33	0.08	0.00	0.00	1.07	2.65	1.16	0.24	0.43	0.11	0.00	0.00	1.47	3.41
	L30KL030	0.94	0.24	0.27	0.07	0.00	0.00	1.09	2.61	1.18	0.25	0.36	0.09	0.00	0.00	1.50	3.38
	L30KL031	0.12	0.03	0.00	0.00	0.00	0.00	0.14	0.29	0.15	0.03	0.00	0.00	0.00	0.00	0.19	0.37
	L30KL032	0.59	0.15	0.00	0.00	0.00	0.00	0.68	1.42	0.74	0.16	0.00	0.00	0.00	0.00	0.94	1.84
	L30KL033	0.85	0.22	0.15	0.04	0.00	0.00	0.98	2.24	1.06	0.22	0.20	0.05	0.00	0.00	1.34	2.87
	L30KL034	1.00	0.25	0.24	0.06	0.00	0.00	1.15	2.70	1.25	0.26	0.32	0.08	0.00	0.00	1.58	3.49
	L30KL035	1.53	0.39	0.30	0.07	0.00	0.00	1.76	4.05	1.91	0.40	0.39	0.10	0.00	0.00	2.42	5.22
	L30KL036	0.09	0.02	0.00	0.00	0.00	0.00	0.11	0.22	0.11	0.02	0.00	0.00	0.00	0.00	0.14	0.27
	L30KL037	3.41	0.97	1.51	0.37	0.91	0.12	4.02	11.31	4.26	0.99	1.97	0.48	1.26	0.16	5.52	14.64
	L30KL038	1.30	0.33	0.45	0.11	0.00	0.00	1.50	3.69	1.62	0.34	0.59	0.14	0.00	0.00	2.06	4.75
	L30KL039	1.25	0.32	0.30	0.07	0.00	0.00	1.44	3.38	1.56	0.33	0.39	0.10	0.00	0.00	1.98	4.36
	L30KL040	0.12	0.03	0.00	0.00	0.00	0.00	0.14	0.29	0.15	0.03	0.00	0.00	0.00	0.00	0.19	0.37
	L30KL041	0.71	0.18	0.00	0.00	0.00	0.00	0.82	1.71	0.89	0.19	0.00	0.00	0.00	0.00	1.12	2.20
	L30KL042	0.98	0.25	0.24	0.06	0.00	0.00	1.13	2.66	1.23	0.26	0.32	0.08	0.00	0.00	1.56	3.45
	L30KL043	1.79	0.46	0.30	0.07	0.00	0.00	2.06	4.68	2.23	0.47	0.39	0.10	0.00	0.00	2.83	6.02
	L30KL044	2.02	0.52	0.30	0.07	0.00	0.00	2.34	5.25	2.53	0.53	0.39	0.10	0.00	0.00	3.21	6.76
	L30KL045	0.09	0.02	0.00	0.00	0.00	0.00	0.11	0.22	0.11	0.02	0.00	0.00	0.00	0.00	0.14	0.27
	L30KL046	14.64	3.86	3.78	0.92	1.09	0.14	17.00	41.43	18.30	3.96	4.94	1.20	1.44	0.19	23.36	53.39
	L30KL047	16.28	4.29	5.59	1.36	1.22	0.16	18.91	47.81	20.36	4.40	7.30	1.78	1.64	0.21	25.99	61.68
	L30KL048	16.63	4.43	5.59	1.36	1.85	0.24	19.35	49.45	20.78	4.55	7.30	1.78	2.58	0.34	26.60	63.93
	L30KL049	19.15	5.10	8.77	2.14	2.14	0.28	22.29	59.87	23.94	5.23	11.45	2.79	3.01	0.39	30.63	77.44

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	L30KL050	18.21	4.77	5.59	1.36	1.09	0.14	21.12	52.28	22.76	4.89	7.30	1.78	1.44	0.19	29.03	67.39
	L30KL051	19.22	5.04	5.59	1.36	1.22	0.16	22.30	54.89	24.03	5.17	7.30	1.78	1.64	0.21	30.65	70.78
	L30KL052	21.67	5.72	8.77	2.14	1.85	0.24	25.17	65.56	27.09	5.87	11.45	2.79	2.58	0.34	34.60	84.72
	L30KL053	23.95	6.33	8.77	2.14	2.14	0.28	27.82	71.43	29.93	6.49	11.45	2.79	3.01	0.39	38.24	92.30
	L30KL054	1.31	0.33	0.24	0.06	0.00	0.00	1.51	3.45	1.64	0.34	0.32	0.08	0.00	0.00	2.08	4.46
	L30KL055	2.20	0.56	0.45	0.11	0.00	0.00	2.54	5.86	2.75	0.58	0.59	0.14	0.00	0.00	3.49	7.55
	L30KL056	2.38	0.61	0.45	0.11	0.00	0.00	2.75	6.30	2.98	0.62	0.59	0.14	0.00	0.00	3.78	8.11
	L30KL057	2.17	0.55	0.45	0.11	0.00	0.00	2.50	5.78	2.71	0.57	0.59	0.14	0.00	0.00	3.43	7.44
	L30MX008	0.47	0.12	0.00	0.75	0.00	0.00	0.54	1.88	0.59	0.12	0.00	0.75	0.00	0.00	0.74	2.20
L35																	
	L35CA001	4.75	1.21	2.19	0.73	0.00	0.00	7.43	16.31	5.94	1.25	2.87	0.95	0.00	0.00	9.63	20.64
	L35CA002	5.17	1.32	2.19	0.73	0.00	0.00	8.07	17.48	6.46	1.35	2.87	0.95	0.00	0.00	10.46	22.09
	L35CA003	5.38	1.37	2.56	0.84	0.00	0.00	8.40	18.55	6.72	1.41	3.34	1.10	0.00	0.00	10.89	23.46
	L35CA004	8.23	2.10	2.62	0.87	0.00	0.00	12.85	26.67	10.28	2.15	3.43	1.13	0.00	0.00	16.66	33.65
	L35CA005	10.73	2.74	3.60	1.19	0.00	0.00	16.77	35.03	13.41	2.81	4.71	1.56	0.00	0.00	21.73	44.22
	L35CA006	13.92	3.56	4.91	1.62	0.00	0.00	21.76	45.77	17.40	3.65	6.43	2.12	0.00	0.00	28.20	57.80
	L35CA007	21.40	5.47	6.88	2.27	0.00	0.00	33.44	69.46	26.75	5.61	9.00	2.97	0.00	0.00	43.34	87.67
	L35CS001	4.62	1.18	2.06	0.68	0.00	0.00	7.22	15.76	5.78	1.21	2.70	0.89	0.00	0.00	9.36	19.94
	L35CS002	6.20	1.58	2.69	0.89	0.00	0.00	9.68	21.04	7.74	1.62	3.51	1.16	0.00	0.00	12.55	26.58
	L35CS003	8.10	2.07	3.87	1.28	0.00	0.00	12.66	27.98	10.13	2.12	5.06	1.67	0.00	0.00	16.40	35.38
	L35FI001	5.27	1.35	2.29	0.76	0.00	0.00	8.23	17.90	6.58	1.38	3.00	0.99	0.00	0.00	10.67	22.62
	L35FI002	6.85	1.75	2.78	0.92	0.00	0.00	10.70	23.00	8.56	1.79	3.64	1.20	0.00	0.00	13.87	29.06
	L35FI003	10.75	2.75	4.16	1.38	0.00	0.00	16.80	35.84	13.44	2.82	5.44	1.80	0.00	0.00	21.78	45.28
	L35FI004	14.12	3.61	5.50	1.82	0.00	0.00	22.07	47.12	17.65	3.70	7.20	2.38	0.00	0.00	28.60	59.53
	L35FI005	21.55	5.50	7.44	2.46	0.00	0.00	33.67	70.62	26.93	5.64	9.72	3.21	0.00	0.00	43.63	89.13
	L35ID001	5.00	1.28	2.29	0.76	0.00	0.00	7.81	17.14	6.25	1.31	3.00	0.99	0.00	0.00	10.12	21.67
	L35ID002	6.62	1.69	2.62	0.87	0.00	0.00	10.34	22.14	8.27	1.73	3.43	1.13	0.00	0.00	13.40	27.96
	L35ID003	10.05	2.57	4.59	1.52	0.00	0.00	15.71	34.44	12.57	2.63	6.00	1.98	0.00	0.00	20.36	43.54
	L35ID004	12.78	3.26	5.41	1.79	0.00	0.00	19.97	43.21	15.98	3.35	7.07	2.34	0.00	0.00	25.88	54.62
	L35ID005	15.41	3.94	7.04	2.33	0.00	0.00	24.08	52.80	19.27	4.04	9.21	3.05	0.00	0.00	31.21	66.78
	L35JD002	4.56	1.17	2.29	0.76	0.00	0.00	7.13	15.91	5.70	1.20	3.00	0.99	0.00	0.00	9.24	20.13
	L35JD003	6.01	1.53	2.95	0.97	0.00	0.00	9.38	20.84	7.51	1.57	3.86	1.27	0.00	0.00	12.16	26.37
	L35JD004	8.14	2.08	3.93	1.30	0.00	0.00	12.73	28.18	10.18	2.13	5.14	1.70	0.00	0.00	16.49	35.64
	L35JD005	9.23	2.36	4.59	1.52	0.00	0.00	14.42	32.12	11.54	2.42	6.00	1.98	0.00	0.00	18.69	40.63
	L35KM001	4.63	1.18	2.29	0.76	0.00	0.00	7.23	16.09	5.79	1.21	3.00	0.99	0.00	0.00	9.38	20.37
	L35KM002	8.21	2.10	2.95	0.97	0.00	0.00	12.83	27.06	10.26	2.15	3.86	1.27	0.00	0.00	16.62	34.16
	L35KM003	11.22	2.87	3.60	1.19	0.00	0.00	17.54	36.42	14.03	2.94	4.71	1.56	0.00	0.00	22.73	45.97
	L35KM004	10.79	2.76	4.42	1.46	0.00	0.00	16.86	36.29	13.49	2.83	5.78	1.91	0.00	0.00	21.86	45.87
	L35KM005	13.68	3.49	5.24	1.73	0.00	0.00	21.38	45.52	17.10	3.58	6.85	2.27	0.00	0.00	27.71	57.51
	L35KM006	17.77	4.54	6.55	2.17	0.00	0.00	27.77	58.80	22.21	4.65	8.57	2.83	0.00	0.00	35.99	74.25
L40																	
	L40CA001	5.26	1.54	1.97	0.72	0.97	0.13	4.51	15.10	6.57	1.58	2.57	0.94	1.85	0.24	6.05	19.80

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	L40CA002	6.07	1.77	2.57	0.94	0.97	0.13	5.21	17.66	7.59	1.81	3.36	1.23	1.85	0.24	6.98	23.06
	L40CA003	7.16	2.10	3.33	1.22	1.32	0.17	6.15	21.45	8.95	2.15	4.34	1.59	2.52	0.33	8.24	28.12
	L40CA004	8.80	2.64	4.08	1.49	2.52	0.33	7.60	27.46	11.00	2.70	5.33	1.95	4.80	0.63	10.19	36.60
	L40CA005	11.26	3.39	4.84	1.77	3.32	0.43	9.74	34.75	14.08	3.47	6.32	2.31	6.35	0.83	13.05	46.41
	L40CA006	15.35	4.73	6.53	2.39	6.16	0.80	13.35	49.31	19.18	4.84	8.53	3.12	11.75	1.53	17.89	66.84
	L40CA007	19.34	5.78	8.16	2.13	8.65	1.13	14.69	59.88	23.21	5.89	10.66	2.78	16.52	2.16	18.90	80.12
	L40CA008	28.60	8.64	11.34	2.96	10.35	1.35	21.76	85.00	34.32	8.80	14.81	3.86	19.76	2.58	27.99	112.12
	L40CA009	58.06	17.87	20.87	5.45	25.30	3.30	44.31	175.16	69.67	18.21	27.24	7.11	48.30	6.30	57.01	233.84
	L40CA010	5.54	1.62	2.27	0.83	0.97	0.13	5.10	16.46	6.93	1.66	2.96	1.08	1.85	0.24	6.79	21.51
	L40CA011	6.69	1.95	2.87	1.05	1.07	0.14	6.15	19.92	8.37	2.00	3.75	1.37	2.04	0.27	8.20	26.00
	L40CA012	7.61	2.21	3.33	1.22	1.07	0.14	6.99	22.57	9.51	2.26	4.34	1.59	2.04	0.27	9.31	29.32
	L40CA013	6.08	1.78	2.57	0.94	0.97	0.13	5.59	18.06	7.61	1.82	3.36	1.23	1.85	0.24	7.45	23.56
	L40CS001	3.54	1.06	2.09	0.76	0.97	0.13	3.05	11.60	4.42	1.08	2.72	1.00	1.85	0.24	4.09	15.40
	L40CS006	5.86	1.80	3.51	1.28	2.19	0.29	5.09	20.02	7.33	1.84	4.58	1.67	4.19	0.55	6.83	26.99
	L40CS007	7.34	2.21	4.23	1.55	2.19	0.29	6.35	24.16	9.18	2.26	5.53	2.02	4.19	0.55	8.51	32.24
	L40CS008	9.30	2.77	5.14	1.88	2.30	0.30	8.02	29.71	11.63	2.83	6.71	2.45	4.39	0.57	10.75	39.33
	L40FI001	5.03	1.48	2.15	0.78	0.97	0.13	4.32	14.86	6.29	1.51	2.80	1.02	1.85	0.24	5.79	19.50
	L40FI002	5.70	1.67	2.72	0.99	1.07	0.14	4.90	17.19	7.13	1.71	3.55	1.30	2.04	0.27	6.56	22.56
	L40FI003	6.65	1.96	3.33	1.22	1.32	0.17	5.71	20.36	8.31	2.00	4.34	1.59	2.52	0.33	7.66	26.75
	L40FI004	7.86	2.30	3.78	1.38	1.32	0.17	6.74	23.55	9.82	2.35	4.94	1.80	2.52	0.33	9.03	30.79
	L40FI005	8.89	2.65	4.23	1.55	2.30	0.30	7.67	27.59	11.12	2.72	5.53	2.02	4.39	0.57	10.28	36.63
	L40FI006	10.76	3.26	5.59	2.04	3.49	0.46	9.32	34.92	13.46	3.34	7.30	2.67	6.66	0.87	12.49	46.79
	L40FI007	13.61	4.15	6.96	1.82	7.63	1.00	10.37	45.54	16.33	4.23	9.08	2.37	14.56	1.90	13.34	61.81
	L40FI008	23.43	6.94	10.58	2.76	9.31	1.21	17.77	72.00	28.12	7.07	13.82	3.61	17.78	2.32	22.86	95.58
	L40FN001	1.97	0.59	1.57	0.57	0.51	0.07	1.70	6.98	2.46	0.60	2.05	0.75	0.96	0.13	2.27	9.22
	L40FN002	2.15	0.64	1.57	0.57	0.51	0.07	1.85	7.36	2.69	0.66	2.05	0.75	0.96	0.13	2.49	9.73
	L40FN003	2.32	0.69	1.87	0.69	0.51	0.07	2.00	8.15	2.90	0.70	2.45	0.89	0.96	0.13	2.67	10.70
	L40FN004	2.65	0.79	1.97	0.72	0.60	0.08	2.28	9.09	3.31	0.81	2.57	0.94	1.14	0.15	3.06	11.98
	L40FU001	5.27	1.57	2.42	0.88	1.32	0.17	4.54	16.17	6.59	1.61	3.16	1.15	2.52	0.33	6.09	21.45
	L40FU002	6.26	1.85	3.08	1.13	1.32	0.17	5.38	19.19	7.82	1.89	4.03	1.47	2.52	0.33	7.22	25.28
	L40FU003	7.96	2.39	4.23	1.55	2.19	0.29	6.87	25.48	9.95	2.44	5.53	2.02	4.19	0.55	9.21	33.89
	L40FU004	9.58	2.84	4.84	1.77	2.19	0.29	8.25	29.76	11.98	2.91	6.32	2.31	4.19	0.55	11.06	39.32
	L40FU005	13.02	3.93	6.56	2.40	4.01	0.52	11.26	41.70	16.27	4.02	8.57	3.13	7.65	1.00	15.09	55.73
	L40ID005	13.86	4.15	6.20	2.27	3.82	0.50	11.97	42.77	17.33	4.25	8.09	2.96	7.30	0.95	16.04	56.92
	L40ID007	27.05	8.13	12.55	3.28	9.32	1.22	20.56	82.11	32.46	8.29	16.38	4.28	17.80	2.32	26.46	107.99
	L40ID008	50.16	14.77	17.84	4.66	13.20	1.72	38.01	140.36	60.20	15.05	23.29	6.08	25.19	3.29	48.91	182.01
	L40ID009	114.77	33.79	33.26	8.68	30.15	3.93	86.96	311.54	137.72	34.43	43.43	11.33	57.56	7.51	111.89	403.87
	L40ID010	4.83	1.43	2.81	1.03	1.02	0.13	4.16	15.41	6.04	1.46	3.67	1.34	1.94	0.25	5.57	20.27
	L40ID011	6.01	1.79	3.48	1.27	1.41	0.18	5.18	19.32	7.51	1.83	4.54	1.66	2.70	0.35	6.94	25.53
	L40ID012	7.14	2.10	4.35	1.59	1.39	0.18	6.13	22.88	8.92	2.15	5.69	2.08	2.65	0.35	8.22	30.06
	L40ID013	10.53	3.13	4.99	1.82	2.52	0.33	9.07	32.39	13.16	3.20	6.51	2.38	4.80	0.63	12.15	42.83
	L40ID014	18.61	5.68	9.53	2.49	7.51	0.98	14.18	58.98	22.33	5.79	12.44	3.25	14.34	1.87	18.25	78.27

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	L40JD001	4.35	1.29	2.27	0.83	0.97	0.13	3.75	13.59	5.44	1.32	2.96	1.08	1.85	0.24	5.02	17.91
	L40JD002	5.04	1.49	2.87	1.05	1.07	0.14	4.33	15.99	6.30	1.52	3.75	1.37	2.04	0.27	5.81	21.06
	L40JD003	5.90	1.73	3.48	1.27	1.07	0.14	5.06	18.65	7.37	1.77	4.54	1.66	2.04	0.27	6.78	24.43
	L40JD004	9.37	2.77	4.84	1.77	1.98	0.26	8.06	29.05	11.72	2.83	6.32	2.31	3.77	0.49	10.80	38.24
	L40KA001	7.50	2.20	3.63	1.33	1.32	0.17	6.44	22.59	9.38	2.25	4.74	1.73	2.52	0.33	8.63	29.58
	L40KA002	8.98	2.67	4.78	1.75	2.19	0.29	7.74	28.40	11.23	2.73	6.24	2.28	4.19	0.55	10.38	37.60
	L40KA003	11.93	3.51	4.99	1.82	2.30	0.30	10.25	35.10	14.91	3.59	6.51	2.38	4.39	0.57	13.74	46.09
	L40KA004	13.07	3.80	6.83	1.78	4.01	0.52	9.89	39.90	15.68	3.88	8.92	2.33	7.65	1.00	12.72	52.18
	L40KA005	17.10	5.11	9.37	2.45	7.63	1.00	12.98	55.64	20.52	5.20	12.24	3.19	14.56	1.90	16.71	74.32
	L40KA006	30.86	9.13	12.40	3.24	8.63	1.13	23.40	88.79	37.03	9.30	16.19	4.22	16.47	2.15	30.11	115.47
	L40MC001	4.66	1.38	2.24	0.82	0.85	0.11	4.01	14.07	5.82	1.41	2.92	1.07	1.57	0.20	5.38	18.37
	L40MC002	6.92	2.02	2.54	0.93	0.85	0.11	5.94	19.31	8.66	2.07	3.32	1.21	1.57	0.20	7.96	24.99
	L40MC003	8.18	2.39	3.33	1.22	1.05	0.14	7.02	23.33	10.23	2.44	4.34	1.59	1.93	0.25	9.41	30.19
	L40MC004	10.93	3.22	4.38	1.60	1.75	0.23	9.40	31.51	13.67	3.30	5.72	2.09	3.22	0.42	12.59	41.01
	L40MC005	12.81	3.83	5.75	2.10	2.79	0.36	11.05	38.69	16.01	3.92	7.50	2.74	5.12	0.67	14.82	50.78
	L40MC006	15.96	4.72	6.14	2.24	2.79	0.36	13.74	45.95	19.95	4.83	8.01	2.93	5.12	0.67	18.41	59.92
	L40MC007	16.40	4.92	7.62	1.99	6.10	0.80	12.46	50.29	19.68	5.01	9.95	2.60	11.19	1.46	16.04	65.93
	L40MC008	18.87	5.77	8.77	2.29	6.12	0.80	14.39	57.01	22.65	5.87	11.45	2.99	11.22	1.46	18.51	74.15
	L40MC009	28.04	8.32	10.89	2.84	6.59	0.86	21.27	78.81	33.65	8.48	14.21	3.71	12.08	1.58	27.37	101.08
	L40MC010	30.42	9.14	12.61	3.29	8.28	1.08	23.12	87.94	36.50	9.31	16.46	4.30	15.18	1.98	29.75	113.48
	L40MC011	51.26	15.01	19.66	5.13	20.24	2.64	39.22	154.16	61.52	16.31	25.66	6.70	37.11	4.84	50.46	202.60
	L40MC012	53.62	16.65	20.53	5.36	20.24	2.64	40.98	160.02	64.34	16.97	26.81	7.00	37.11	4.84	52.73	209.80
	L40MC013	21.17	6.22	7.62	1.99	6.10	0.80	17.19	61.09	25.40	6.34	9.95	2.60	11.19	1.46	21.99	78.93
	L40ME001	0.69	0.14	1.19	0.33	0.12	0.02	0.60	3.09								
	L40ME002	1.09	0.22	0.49	0.18	0.12	0.02	0.94	3.06								
	L40ME003	1.42	0.28	0.72	0.26	0.10	0.01	1.22	4.01								
	L40ME004	1.43	0.28	2.37	0.66	0.11	0.01	1.23	6.09								
	L40ME006	1.78	0.35	2.52	0.70	0.11	0.01	1.53	7.00								
	L40ME007	1.72	0.34	1.18	0.43	0.11	0.01	1.48	5.27								
	L40ME008	2.55	0.50	1.77	0.65	0.29	0.04	2.20	8.00								
	L40ME009	2.97	0.59	2.26	0.83	0.39	0.05	2.56	9.65								
	L40ME012	2.00	0.39	1.31	0.48	0.11	0.01	1.72	6.02								
	L40ME013	5.70	1.15	3.08	1.13	0.96	0.13	4.92	17.07								
	L40MF001	2.07	0.61	1.45	0.53	0.36	0.05	1.77	6.84	2.58	0.62	1.90	0.69	0.68	0.09	2.38	8.94
	L40MF002	2.31	0.68	2.06	0.75	0.45	0.06	1.99	8.30	2.89	0.70	2.68	0.98	0.85	0.11	2.66	10.87
	L40MF003	2.29	0.68	2.24	0.82	0.51	0.07	1.97	8.58	2.86	0.70	2.92	1.07	0.96	0.13	2.64	11.28
	L40MI001	2.41	0.71	0.79	0.29	0.54	0.07	2.07	6.88	3.01	0.73	1.03	0.38	1.04	0.14	2.78	9.11
	L40MI002	3.53	1.06	1.51	0.55	0.97	0.13	3.04	10.79	4.41	1.08	1.97	0.72	1.85	0.24	4.08	14.35
	L40MI003	3.82	1.14	1.66	0.61	0.97	0.13	3.30	11.63	4.78	1.17	2.17	0.79	1.85	0.24	4.42	15.42
	L40TE003	18.12	5.39	9.53	2.49	7.63	1.00	13.75	57.91	21.74	5.49	12.44	3.25	14.56	1.90	17.69	77.07
	L40TE004	22.60	6.86	11.73	3.06	8.63	1.13	17.21	71.22	27.12	6.99	15.32	4.00	16.47	2.15	22.15	94.20
	L40TE005	27.32	8.29	13.91	3.63	10.35	1.35	20.80	85.65	32.79	8.45	18.16	4.74	19.76	2.58	26.77	113.25

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	L40TR001	5.16	1.54	2.81	1.03	1.32	0.17	4.45	16.48	6.46	1.58	3.67	1.34	2.52	0.33	5.97	21.87
	L40TR002	5.43	1.62	3.33	1.22	1.32	0.17	4.68	17.77	6.79	1.65	4.34	1.59	2.52	0.33	6.27	23.49
	L40TR003	6.29	1.86	3.66	1.34	1.32	0.17	5.41	20.05	7.86	1.90	4.78	1.75	2.52	0.33	7.25	26.39
	L40TR005	9.99	3.04	5.59	2.04	3.49	0.46	8.67	33.28	12.49	3.12	7.30	2.67	6.66	0.87	11.62	44.73
	L40TR006	13.78	3.97	6.99	1.82	3.49	0.46	10.40	40.91	16.53	4.04	9.12	2.38	6.66	0.87	13.38	52.98
	L40TR007	18.57	5.51	8.80	2.30	7.63	1.00	14.09	57.90	22.29	5.62	11.49	3.00	14.56	1.90	18.13	76.99
	L40TR008	23.57	7.21	12.16	3.17	9.71	1.27	17.97	75.06	28.28	7.35	15.87	4.14	18.54	2.42	23.12	99.72
	L40TR009	8.78	2.62	4.69	1.71	2.19	0.29	7.57	27.85	10.98	2.68	6.12	2.24	4.19	0.55	10.15	36.91
	L40TR010	11.19	3.38	5.50	2.01	3.49	0.46	9.68	35.71	13.99	3.46	7.19	2.63	6.66	0.87	12.98	47.78
L45																	
	L45CA001	6.13	1.57	2.19	0.73	0.00	0.00	9.57	20.19	7.66	1.60	2.87	0.95	0.00	0.00	12.41	25.49
L50																	
	L50CA001	3.93	1.14	1.87	0.52	0.43	0.06	3.85	11.80	4.92	1.17	2.45	0.68	0.61	0.08	5.12	15.03
	L50CA002	4.47	1.30	2.12	0.59	0.44	0.06	4.37	13.35	5.59	1.33	2.76	0.77	0.62	0.08	5.81	16.96
	L50CA003	4.68	1.36	2.33	0.65	0.53	0.07	4.58	14.20	5.85	1.39	3.04	0.85	0.74	0.10	6.09	18.06
	L50CA004	6.73	1.95	2.87	0.80	0.61	0.08	6.58	19.62	8.41	1.99	3.75	1.04	0.84	0.11	8.74	24.88
	L50CS002	3.59	1.05	1.91	0.53	0.50	0.07	3.52	11.17	4.48	1.07	2.49	0.69	0.70	0.09	4.68	14.20
	L50FN002	3.01	0.87	1.66	0.46	0.31	0.04	2.95	9.30	3.76	0.89	2.17	0.60	0.43	0.06	3.91	11.82
	L50FN004	4.48	1.30	1.97	0.55	0.41	0.05	4.38	13.14	5.60	1.33	2.57	0.71	0.58	0.08	5.82	16.69
	L50FN005	5.00	1.45	2.27	0.63	0.52	0.07	4.89	14.83	6.25	1.48	2.96	0.82	0.73	0.10	6.50	18.84
	L50FN006	5.85	1.69	3.02	0.84	0.53	0.07	5.72	17.72	7.31	1.73	3.95	1.10	0.74	0.10	7.60	22.53
	L50JD001	3.13	0.91	1.97	0.55	0.41	0.05	3.07	10.09	3.91	0.94	2.57	0.71	0.57	0.07	4.08	12.85
	L50JD002	3.78	1.10	2.27	0.63	0.50	0.07	3.70	12.05	4.72	1.13	2.96	0.82	0.71	0.09	4.92	15.35
	L50JD003	4.46	1.30	2.57	0.72	0.57	0.07	4.37	14.06	5.57	1.33	3.36	0.93	0.80	0.10	5.81	17.90
	L50JD005	6.55	1.93	3.02	0.84	0.98	0.13	6.43	19.88	8.19	1.97	3.95	1.10	1.38	0.18	8.55	25.32
	L50MF003	3.27	0.96	2.24	0.62	0.53	0.07	3.21	10.90	4.08	0.99	2.92	0.81	0.74	0.10	4.27	13.91
	L50MF004	3.65	1.07	2.36	0.66	0.53	0.07	3.58	11.92	4.56	1.09	3.08	0.86	0.74	0.10	4.76	15.19
	L50MF005	3.89	1.14	2.60	0.72	0.53	0.07	3.81	12.76	4.86	1.16	3.40	0.95	0.74	0.10	5.07	16.28
L55																	
	L55KN001	0.80	0.13	0.00	0.52	0.00	0.00	0.92	2.37								
	L55KN002	1.65	0.27	0.00	1.06	0.00	0.00	1.90	4.88								
	L55KN003	3.38	0.55	0.00	2.01	0.00	0.00	3.90	9.84								
	L55KN004	0.68	0.11	0.00	0.25	0.00	0.00	0.78	1.82								
	L55KN005	1.34	0.22	0.00	0.37	0.00	0.00	1.55	3.48								
L60																	
	L60CA001	6.22	1.55	2.87	0.70	1.78	0.23	5.34	18.69	7.77	1.59	3.75	0.91	3.72	0.49	7.10	25.33
	L60CA002	7.33	1.81	2.87	0.70	1.78	0.23	6.28	21.00	9.16	1.86	3.75	0.91	3.72	0.49	8.36	28.25
	L60CA003	7.28	1.80	3.63	0.88	1.78	0.23	6.24	21.84	9.10	1.85	4.74	1.15	3.72	0.49	8.30	29.35
	L60CA004	7.59	1.87	3.93	0.96	1.78	0.23	6.50	22.86	9.48	1.92	5.13	1.25	3.72	0.49	8.64	30.63
	L60CA005	10.30	2.66	5.29	1.29	4.55	0.59	8.89	33.57	12.87	2.74	6.91	1.68	9.53	1.24	11.82	46.79
	L60CA006	10.11	2.52	3.93	0.96	2.84	0.37	8.68	29.41	12.63	2.59	5.13	1.25	5.94	0.78	11.54	39.86
	L60CA007	24.01	5.59	4.08	0.99	0.00	0.00	20.40	55.07	30.02	5.75	5.33	1.30	0.00	0.00	27.12	69.52

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	L60JD001	6.36	1.53	3.02	0.74	0.82	0.11	5.43	18.01	7.95	1.57	3.95	0.96	1.72	0.22	7.22	23.59
	L60JD002	6.63	1.71	3.63	0.88	2.77	0.36	5.72	21.70	8.29	1.75	4.74	1.15	5.80	0.76	7.61	30.10
	L60JD003	7.08	1.70	3.02	0.74	0.82	0.11	6.04	19.51	8.84	1.74	3.95	0.96	1.72	0.22	8.03	25.46
	L60JD004	7.63	1.94	3.63	0.88	2.77	0.36	6.57	23.78	9.54	1.99	4.74	1.15	5.80	0.76	8.74	32.72
	L60JD005	9.83	2.77	4.78	1.16	8.26	1.08	8.61	30.49	12.28	2.85	6.24	1.52	17.30	2.26	11.45	53.90
	L60JD006	8.89	2.23	4.38	1.07	2.77	0.36	7.64	27.34	11.12	2.30	5.72	1.39	5.80	0.76	10.16	37.25
	L60RN001	6.67	1.60	3.14	0.77	0.66	0.09	5.69	18.62	8.34	1.65	4.11	1.00	1.34	0.17	7.57	24.18
	L60RN002	7.22	1.84	3.99	0.97	2.22	0.29	6.22	22.75	9.03	1.90	5.21	1.27	4.50	0.59	8.28	30.78
	L60RN003	8.45	2.13	4.81	1.17	2.22	0.29	7.27	26.34	10.56	2.19	6.28	1.53	4.50	0.59	9.66	35.31
	L60RN004	9.79	2.87	6.56	1.60	8.11	1.06	6.64	38.63	12.24	2.95	8.57	2.09	16.47	2.15	11.49	55.96
M10																	
	M10AQ001	13.61	3.19	4.93	1.20	0.19	0.02	10.45	33.59								
	M10AQ002	11.68	2.74	4.93	1.20	0.19	0.02	8.97	29.73								
	M10AQ003	9.71	2.28	3.18	0.77	0.19	0.02	7.46	23.61								
	M10AQ006	1.15	0.43	0.00	0.00	2.58	0.34	1.01	5.51								
	M10AQ007	4.09	0.67	0.00	0.00	0.00	0.00	2.86	7.62								
	M10AQ010	3.81	0.62	0.00	0.00	0.00	0.00	2.66	7.09								
	M10AQ011	3.42	0.56	0.00	0.00	0.00	0.00	2.39	6.37								
	M10AQ012	1.08	0.18	0.00	0.00	0.00	0.00	0.75	2.01								
	M10AQ013	0.98	0.16	0.00	0.00	0.00	0.00	0.68	1.82								
	M10AQ014	0.53	0.09	0.00	0.00	0.00	0.00	0.37	0.99								
	M10AQ015	0.57	0.09	0.00	0.00	0.00	0.00	0.40	1.06								
	M10AQ016	0.76	0.12	0.00	0.00	0.00	0.00	0.53	1.41								
	M10AQ017	0.29	0.05	0.00	0.00	0.00	0.00	0.21	0.55								
	M10AQ018	0.50	0.08	0.00	0.00	0.00	0.00	0.35	0.93								
	M10AQ019	0.61	0.10	0.00	0.00	0.00	0.00	0.42	1.13								
	M10AQ020	0.67	0.11	0.00	0.00	0.00	0.00	0.47	1.25								
	M10CP001	8.32	1.94	5.29	1.29	0.00	0.00	6.38	23.22								
	M10CP002	8.15	2.04	6.43	1.57	0.00	0.00	6.75	24.94								
	M10CP003	8.63	2.16	6.43	1.57	0.00	0.00	7.14	25.93								
	M10CP004	5.00	0.88	3.20	1.25	0.00	0.00	3.62	13.95								
	M10CP005	4.68	0.82	2.00	0.78	0.00	0.00	3.39	11.67								
	M10CP006	0.13	0.02	0.00	0.30	0.00	0.00	0.09	0.54								
	M10CP007	0.27	0.05	0.00	0.40	0.00	0.00	0.19	0.91								
	M10CP008	0.46	0.08	0.00	0.50	0.00	0.00	0.33	1.37								
	M10CP009	0.69	0.12	0.00	0.60	0.00	0.00	0.50	1.91								
	M10CP010	0.09	0.01	0.00	0.20	0.00	0.00	0.06	0.36								
	M10CP011	0.11	0.02	0.00	0.25	0.00	0.00	0.07	0.45								
	M10CP012	0.13	0.02	0.00	0.30	0.00	0.00	0.09	0.54								
	M10CP013	0.15	0.02	0.00	0.30	0.00	0.00	0.10	0.57								
	M10CP014	0.05	0.01	0.00	0.15	0.00	0.00	0.04	0.25								
	M10CP015	0.08	0.01	0.00	0.20	0.00	0.00	0.05	0.34								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	M10CP016	0.11	0.02	0.00	0.25	0.00	0.00	0.07	0.45								
	M10CP017	0.13	0.02	0.00	0.30	0.00	0.00	0.08	0.53								
	M10CP018	0.07	0.01	0.00	0.20	0.00	0.00	0.05	0.33								
	M10CP019	0.09	0.01	0.00	0.20	0.00	0.00	0.06	0.36								
	M10CP020	0.12	0.02	0.00	0.25	0.00	0.00	0.08	0.47								
	M10CP021	0.14	0.02	0.00	0.30	0.00	0.00	0.09	0.55								
	M10DD001	36.85	9.23	16.07	3.91	0.00	0.00	30.50	96.56								
	M10DD002	53.76	13.46	40.00	15.66	0.00	0.00	44.50	167.38								
	M10DS001	11.83	2.76	6.43	1.57	0.00	0.00	9.08	31.67								
	M10DS002	12.43	2.89	9.64	2.35	0.00	0.00	9.53	36.84								
	M10DS003	16.01	3.73	9.45	2.30	0.00	0.00	12.28	43.77								
	M10DS004	15.38	3.85	15.20	3.70	0.00	0.00	12.73	50.86								
	M10DS005	19.63	4.92	13.95	3.40	0.00	0.00	16.25	58.15								
	M10DS006	21.14	5.29	23.59	5.75	0.00	0.00	17.50	73.27								
	M10DS007	23.19	5.81	23.59	5.75	0.00	0.00	19.19	77.53								
	M10EL004	13.81	3.22	6.09	1.48	0.00	0.00	12.11	36.71								
	M10EL005	17.02	3.96	6.62	1.61	0.00	0.00	14.92	44.13								
	M10EL006	20.22	4.71	6.62	1.61	0.00	0.00	17.73	50.89								
	M10EL007	15.46	3.60	8.62	2.10	0.00	0.00	13.55	43.33								
	M10EL008	18.58	4.33	8.62	2.10	0.00	0.00	16.29	49.92								
	M10EL009	8.81	3.88	0.00	0.00	0.00	0.00	8.70	21.39								
	M10EL010	14.84	6.53	0.00	0.00	0.00	0.00	14.65	36.02								
	M10EL011	16.07	7.07	0.00	0.00	0.00	0.00	15.87	39.01								
	M10EL012	32.09	14.11	0.00	0.00	0.00	0.00	31.68	77.88								
	M10HH001	8.39	1.95	5.67	1.38	0.00	0.00	7.36	24.75								
	M10HH002	8.49	1.98	5.67	1.38	0.00	0.00	7.44	24.96								
	M10HH003	8.95	2.08	6.69	1.63	0.00	0.00	7.84	27.19								
	M10HH004	9.04	2.11	6.69	1.63	0.00	0.00	7.93	27.40								
	M10HH005	9.20	2.14	6.69	1.63	0.00	0.00	8.06	27.72								
	M10HH006	5.27	1.23	3.78	0.92	0.00	0.00	4.62	15.82								
	M10KK001	9.28	2.16	14.96	4.17	0.00	0.00	7.12	37.69								
	M10KK002	9.63	2.24	9.45	2.30	0.00	0.00	7.39	31.01								
	M10KK003	10.09	2.35	14.96	4.17	0.00	0.00	7.74	39.31								
	M10KK004	10.51	2.45	9.45	2.30	0.00	0.00	8.06	32.77								
	M10KR001	15.91	4.36	3.78	1.25	0.00	0.00	15.63	40.93	19.10	4.45	4.94	1.63	0.00	0.00	20.85	50.97
	M10KR002	16.95	4.65	4.54	1.50	0.00	0.00	16.65	44.29	20.33	4.73	5.92	1.96	0.00	0.00	22.20	55.14
	M10KR003	16.24	4.45	3.78	1.25	0.00	0.00	15.95	41.67	19.49	4.54	4.94	1.63	0.00	0.00	21.28	51.88
	M10KR004	20.28	5.56	5.59	1.85	0.00	0.00	19.92	53.20	24.34	5.67	7.30	2.41	0.00	0.00	26.57	66.29
	M10KR005	13.56	3.72	5.59	1.85	0.00	0.00	13.32	38.04	16.28	3.79	7.30	2.41	0.00	0.00	17.77	47.55
	M10KR006	12.89	3.53	5.59	1.85	0.00	0.00	12.66	36.52	15.47	3.60	7.30	2.41	0.00	0.00	16.89	45.67
	M10MZ001	0.48	0.07	0.00	0.00	0.00	0.00	0.25	0.80								
	M10MZ002	0.65	0.09	0.00	0.00	0.00	0.00	0.34	1.08								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	M10MZ003	0.99	0.14	0.00	0.00	0.00	0.00	0.51	1.64								
	M10MZ004	0.94	0.20	0.00	0.00	0.00	0.00	0.58	1.72								
	M10MZ005	1.39	0.30	0.00	0.00	0.00	0.00	0.86	2.55								
	M10MZ006	1.58	0.34	0.00	0.00	0.00	0.00	0.98	2.90								
	M10MZ007	1.96	0.42	0.00	0.00	0.00	0.00	1.22	3.60								
	M10MZ008	2.27	0.48	0.00	0.00	0.00	0.00	1.41	4.16								
	M10MZ009	2.76	0.59	0.00	0.00	0.00	0.00	1.71	5.06								
	M10MZ010	1.46	0.40	4.23	1.40	0.00	0.00	1.12	8.61	1.76	0.41	5.53	1.83	0.00	0.00	1.44	10.97
	M10MZ011	2.31	0.63	6.35	2.10	0.00	0.00	1.77	13.16	2.77	0.64	8.29	2.74	0.00	0.00	2.28	16.72
	M10MZ012	3.00	0.82	6.35	2.10	0.00	0.00	2.30	14.57	3.61	0.84	8.29	2.74	0.00	0.00	2.97	18.45
	M10MZ013	4.02	1.10	6.35	2.10	0.00	0.00	3.08	16.65	4.82	1.12	8.29	2.74	0.00	0.00	3.97	20.94
	M10SM001	1.53	0.42	10.35	2.88	0.00	0.00	1.18	16.36	1.84	0.43	13.60	3.79	0.00	0.00	1.51	21.17
	M10SM002	1.62	0.44	12.77	3.55	0.00	0.00	1.24	19.62	1.94	0.45	16.77	4.67	0.00	0.00	1.60	25.43
	M10SM003	1.70	0.47	13.46	3.75	0.00	0.00	1.31	20.69	2.05	0.48	17.67	4.92	0.00	0.00	1.68	26.80
	M10SM004	1.78	0.49	13.46	3.75	0.00	0.00	1.37	20.85	2.14	0.50	17.67	4.92	0.00	0.00	1.76	26.99
	M10SM005	0.77	0.21	6.90	1.92	0.00	0.00	0.59	10.39	0.93	0.22	9.06	2.52	0.00	0.00	0.76	13.49
	M10SM006	0.81	0.22	7.94	2.21	0.00	0.00	0.62	11.80	0.98	0.23	10.42	2.90	0.00	0.00	0.80	15.33
	M10SM007	1.27	0.35	10.35	2.88	0.00	0.00	0.97	15.82	1.52	0.35	13.60	3.79	0.00	0.00	1.25	20.51
	M10SM008	1.32	0.36	12.77	3.55	0.00	0.00	1.01	19.01	1.59	0.37	16.77	4.67	0.00	0.00	1.31	24.71
	M10SM009	1.42	0.39	13.46	3.75	0.00	0.00	1.09	20.11	1.70	0.40	17.67	4.92	0.00	0.00	1.40	26.09
	M10SM010	1.52	0.42	13.46	3.75	0.00	0.00	1.16	20.31	1.82	0.42	17.67	4.92	0.00	0.00	1.50	26.33
	M10SM011	2.25	0.62	13.80	3.84	0.00	0.00	1.98	22.49	2.70	0.63	18.13	5.05	0.00	0.00	2.52	29.03
	M10SM012	2.74	0.75	17.25	4.80	0.00	0.00	2.40	27.94	3.28	0.76	22.66	6.31	0.00	0.00	3.06	36.07
	M10SM013	3.07	0.84	17.25	4.80	0.00	0.00	2.69	28.65	3.68	0.86	22.66	6.31	0.00	0.00	3.43	36.94
	M10SM014	2.77	0.87	20.70	5.76	0.00	0.00	2.43	32.53	3.23	0.89	27.19	7.57	0.00	0.00	3.01	41.89
	M10SM015	4.35	1.37	27.60	7.68	0.00	0.00	3.81	44.81	5.07	1.39	36.26	10.09	0.00	0.00	4.73	57.54
	M10SM016	3.23	0.89	13.80	3.84	0.00	0.00	2.83	24.59	3.88	0.90	18.13	5.05	0.00	0.00	3.62	31.58
P10																	
	P10IC001	8.69	1.88	4.69	1.30	0.00	0.00	9.68	26.24								
	P10IC002	14.08	3.05	7.56	2.10	0.00	0.00	15.69	42.48								
	P10IC003	15.98	3.46	7.56	2.10	0.00	0.00	17.80	46.90								
	P10IC004	22.69	4.91	15.21	4.23	0.00	0.00	25.28	72.32								
	P10IC005	36.81	7.97	19.66	5.47	0.00	0.00	41.00	110.91								
	P10XX001	1.37	0.30	0.00	1.00	0.00	0.00	1.52	4.19								
	P10XX002	1.66	0.36	0.00	2.00	0.00	0.00	1.85	5.87								
	P10XX003	2.75	0.60	0.00	3.00	0.00	0.00	3.07	9.42								
P20																	
	P20IC001	4.74	1.03	0.70	0.19	0.00	0.00	7.26	13.92								
	P20IC002	7.50	1.62	1.51	0.42	0.00	0.00	11.48	22.53								
	P20IC003	8.15	1.77	2.30	0.64	0.00	0.00	12.48	25.34								
	P20IC004	8.62	1.87	2.72	0.76	0.00	0.00	13.20	27.17								
	P20IC005	11.99	2.60	4.02	1.12	0.00	0.00	18.35	38.08								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	P20IC006	13.48	2.92	4.11	1.14	0.00	0.00	20.64	42.29								
	P20MK001	5.45	1.18	0.00	0.32	0.00	0.00	8.35	15.30								
	P20MK002	1.68	0.36	0.00	0.25	0.00	0.00	2.57	4.86								
	P20MK003	2.12	0.46	0.00	0.34	0.00	0.00	3.25	6.17								
	P20MK004	2.64	0.57	0.00	0.45	0.00	0.00	4.04	7.70								
	P20MK005	4.69	1.02	0.00	0.51	0.00	0.00	7.18	13.40								
	P20MK006	4.85	1.05	0.00	0.66	0.00	0.00	7.43	13.99								
	P20MK007	5.57	1.21	0.00	0.66	0.00	0.00	8.53	15.97								
	P20VU001	6.02	1.30	0.00	0.68	0.00	0.00	9.22	17.22								
	P20VU002	6.90	1.49	0.00	0.80	0.00	0.00	10.56	19.75								
	P20VU003	7.40	1.60	0.00	0.95	0.00	0.00	11.33	21.28								
	P20VU004	9.07	1.96	0.00	1.12	0.00	0.00	13.88	26.03								
	P20VU005	11.23	2.43	0.00	1.17	0.00	0.00	17.19	32.02								
	P20VU006	16.27	3.52	0.00	1.39	0.00	0.00	24.91	46.09								
P25																	
	P25MK001	6.01	1.30	0.00	0.32	0.00	0.00	8.36	15.99								
	P25MK002	6.87	1.49	0.00	0.51	0.00	0.00	9.57	18.44								
	P25MK003	9.47	2.05	0.00	0.61	0.00	0.00	13.19	25.32								
	P25VU001	4.45	0.96	0.00	0.45	0.00	0.00	6.20	12.06								
	P25VU002	5.27	1.14	0.00	0.51	0.00	0.00	7.34	14.26								
	P25VU003	6.36	1.38	0.00	0.61	0.00	0.00	8.86	17.21								
	P25VU004	6.73	1.46	0.00	0.75	0.00	0.00	9.37	18.31								
	P25VU005	7.59	1.64	0.00	0.65	0.00	0.00	10.57	20.45								
	P25VU006	9.23	2.00	0.00	0.95	0.00	0.00	12.85	25.03								
	P25VU007	10.47	2.27	0.00	0.95	0.00	0.00	14.57	28.26								
	P25VU008	13.64	2.95	0.00	1.17	0.00	0.00	18.99	36.75								
	P25VU009	15.50	3.36	0.00	1.28	0.00	0.00	21.58	41.72								
P30																	
	P30HM001	7.59	1.64	2.27	0.63	0.00	0.00	10.56	22.69								
	P30MK001	8.86	1.92	3.42	0.95	0.00	0.00	12.34	27.49								
	P30MK002	17.08	3.70	8.47	2.36	0.00	0.00	23.78	55.39								
	P30MK003	20.62	4.46	10.58	2.95	0.00	0.00	28.71	67.32								
	P30MK004	26.98	5.84	16.63	4.63	0.00	0.00	37.57	91.65								
	P30MK005	30.10	6.52	19.66	5.47	0.00	0.00	41.91	103.66								
P35																	
	P35CA002	15.49	5.14	3.36	1.17	0.00	0.00	20.08	45.24	18.59	5.22	4.20	1.46	0.00	0.00	26.40	55.87
	P35CA003	17.72	5.88	3.36	1.17	0.00	0.00	22.97	51.10	21.26	5.98	4.20	1.46	0.00	0.00	30.20	63.10
	P35CA005	24.54	8.14	5.04	1.75	0.00	0.00	31.81	71.28	29.45	8.28	6.30	2.19	0.00	0.00	41.82	88.04
	P35CA006	33.88	11.24	7.06	2.46	0.00	0.00	43.90	98.54	40.65	11.42	8.82	3.07	0.00	0.00	57.73	121.69
P40																	
	P40GV001	2.99	0.65	1.23	0.34	0.18	0.02	2.90	8.31								
	P40GV002	3.29	0.72	1.61	0.45	0.25	0.03	3.19	9.54								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	P40GV003	4.20	0.91	1.61	0.45	0.25	0.03	4.07	11.52								
	P40GV004	6.90	1.47	1.61	1.05	0.18	0.02	6.67	17.90								
	P40GV005	9.60	2.20	3.32	1.67	1.70	0.22	9.42	28.13								
	P40GV006	12.05	2.68	3.32	1.52	1.42	0.19	11.75	32.93								
	P40GV007	14.69	3.22	3.32	1.52	1.27	0.17	14.29	38.48								
	P40GV008	21.04	4.55	3.32	1.62	1.27	0.17	20.41	52.38								
	P40GV009	4.89	1.04	1.07	0.90	0.15	0.02	4.73	12.80								
	P40GV010	5.95	1.26	1.77	1.09	0.15	0.02	5.75	15.99								
	P40GV011	10.71	2.30	2.84	1.39	0.57	0.07	10.37	28.25								
	P40RE001	6.92	1.47	8.84	2.96	0.19	0.02	6.68	27.08								
P45																	
	P45CG001	0.31	0.06	0.00	0.05	0.00	0.00	0.34	0.76								
	P45CG002	0.55	0.11	0.00	0.10	0.00	0.00	0.60	1.36								
	P45CG003	1.46	0.28	0.00	0.15	0.00	0.00	1.58	3.47								
	P45CG004	2.63	0.50	0.00	0.31	0.00	0.00	2.86	6.30								
	P45CG005	2.81	0.54	0.98	0.24	0.04	0.01	3.05	7.67								
P50																	
	P50HO001	0.11	0.03	0.48	0.13	0.00	0.00	0.12	0.87								
	P50HO002	0.18	0.04	0.25	0.08	0.00	0.00	0.20	0.75								
	P50HO003	0.13	0.03	0.77	0.21	0.00	0.00	0.15	1.29								
	P50HO004	0.28	0.06	0.34	0.11	0.00	0.00	0.31	1.10								
	P50HO005	0.29	0.07	1.53	0.43	0.00	0.00	0.32	2.64								
	P50WC001	0.10	0.02	0.48	0.13	0.00	0.00	0.12	0.85								
	P50WC002	0.13	0.03	0.77	0.21	0.00	0.00	0.14	1.28								
	P50WC003	0.52	0.12	0.50	0.17	0.00	0.00	0.58	1.89								
	P50WC004	1.20	0.28	1.47	0.49	0.00	0.00	1.33	4.77								
P55																	
	P55GF001	0.70	0.20	0.92	0.31	0.00	0.00	0.86	2.99								
	P55GF002	0.91	0.26	0.92	0.31	0.00	0.00	1.12	3.52								
	P55GR001	0.15	0.04	0.18	0.07	0.00	0.00	0.11	0.55								
	P55GR002	0.20	0.06	0.45	0.18	0.00	0.00	0.15	1.04								
	P55GR003	0.80	0.22	2.25	0.88	0.00	0.00	0.59	4.74								
	P55GR004	1.01	0.28	5.40	2.11	0.00	0.00	0.75	9.55								
	P55ML001	0.11	0.03	0.09	0.04	0.00	0.00	0.08	0.35								
	P55ML002	0.15	0.04	0.18	0.07	0.00	0.00	0.11	0.55								
	P55ML003	0.21	0.06	0.72	0.28	0.00	0.00	0.15	1.42								
	P55WC001	0.23	0.06	0.27	0.40	0.00	0.00	0.17	1.13								
	P55WC002	0.27	0.08	0.54	0.56	0.00	0.00	0.20	1.65								
	P55WC003	0.29	0.08	0.99	0.76	0.00	0.00	0.21	2.33								
P60																	
	P60GF003	1.38	0.32	1.34	0.44	0.04	0.01	1.53	5.06								
	P60GF004	1.93	0.45	2.56	0.85	0.04	0.01	2.15	7.99								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	P60GF005	2.29	0.53	3.49	1.15	0.04	0.01	2.55	10.06								
	P60GF006	2.50	0.58	4.62	1.53	0.05	0.01	2.78	12.07								
	P60GF007	2.72	0.63	4.62	1.53	0.05	0.01	3.03	12.59								
	P60HO001	0.05	0.01	0.29	0.08	0.00	0.00	0.05	0.48								
	P60HO002	0.07	0.02	0.29	0.08	0.00	0.00	0.08	0.54								
	P60HO003	0.12	0.03	0.77	0.21	0.00	0.00	0.13	1.26								
	P60ML001	1.01	0.23	3.64	1.01	0.00	0.00	1.12	7.01								
	P60ML002	1.08	0.25	1.26	0.42	0.00	0.00	1.20	4.21								
	P60ML003	1.52	0.35	7.57	2.11	0.00	0.00	1.69	13.24								
	P60ML004	1.97	0.45	2.52	0.83	0.00	0.00	2.18	7.95								
	P60ML005	2.54	0.58	2.94	0.97	0.00	0.00	2.81	9.84								
	P60ML006	2.63	0.61	2.86	0.94	0.00	0.00	2.91	9.95								
P65																	
	P65HO001	0.11	0.02	0.29	0.08	0.00	0.00	0.12	0.62								
	P65HO002	0.13	0.03	0.29	0.08	0.00	0.00	0.14	0.67								
P70																	
	P70AD001	0.10	0.02	0.19	0.05	0.00	0.00	0.10	0.46								
R10																	
	R10CA001	0.34	0.07	0.00	0.08	0.00	0.00	0.35	0.84	0.41	0.07	0.00	0.08	0.00	0.00	0.48	1.04
	R10CA002	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.03	0.05
	R10CA003	0.69	0.15	0.00	0.08	0.00	0.00	0.72	1.64	0.85	0.15	0.00	0.08	0.00	0.00	0.99	2.07
	R10CA004	0.04	0.01	0.00	0.00	0.00	0.00	0.04	0.09	0.05	0.01	0.00	0.00	0.00	0.00	0.05	0.11
	R10CA005	1.11	0.23	0.00	0.08	0.00	0.00	1.15	2.57	1.36	0.24	0.00	0.08	0.00	0.00	1.58	3.26
	R10CA006	0.07	0.02	0.00	0.00	0.00	0.00	0.08	0.17	0.09	0.02	0.00	0.00	0.00	0.00	0.11	0.22
	R10CA007	1.40	0.29	0.00	0.08	0.00	0.00	1.46	3.23	1.72	0.30	0.00	0.08	0.00	0.00	1.99	4.09
	R10CA008	0.07	0.02	0.00	0.00	0.00	0.00	0.08	0.17	0.09	0.02	0.00	0.00	0.00	0.00	0.11	0.22
	R10CA009	2.30	0.48	0.00	0.08	0.00	0.00	2.40	5.26	2.84	0.50	0.00	0.08	0.00	0.00	3.28	6.70
	R10CA010	0.13	0.03	0.00	0.00	0.00	0.00	0.13	0.29	0.16	0.03	0.00	0.00	0.00	0.00	0.18	0.37
	R10CA011	4.07	0.85	0.00	0.10	0.00	0.00	4.24	9.26	5.02	0.88	0.00	0.10	0.00	0.00	5.81	11.81
	R10CA012	4.08	0.85	0.00	0.10	0.00	0.00	4.25	9.28	5.02	0.88	0.00	0.10	0.00	0.00	5.81	11.81
	R10CA013	0.24	0.05	0.00	0.00	0.00	0.00	0.25	0.54	0.30	0.05	0.00	0.00	0.00	0.00	0.35	0.70
	R10CA014	4.39	0.92	0.00	0.16	0.00	0.00	4.57	10.04	5.40	0.95	0.00	0.16	0.00	0.00	6.25	12.76
	R10CA015	4.16	0.87	0.00	0.16	0.00	0.00	4.33	9.52	5.12	0.90	0.00	0.16	0.00	0.00	5.93	12.11
	R10CA016	0.26	0.05	0.00	0.00	0.00	0.00	0.27	0.58	0.32	0.06	0.00	0.00	0.00	0.00	0.37	0.75
	R10CA017	6.16	1.29	0.00	0.21	0.00	0.00	6.42	14.08	7.59	1.33	0.00	0.21	0.00	0.00	8.78	17.91
	R10CA018	6.28	1.32	0.00	0.22	0.00	0.00	6.54	14.36	7.73	1.35	0.00	0.22	0.00	0.00	8.95	18.25
	R10CA019	0.43	0.09	0.00	0.00	0.00	0.00	0.45	0.97	0.53	0.09	0.00	0.00	0.00	0.00	0.61	1.23
	R10CA020	8.24	1.73	0.00	0.23	0.00	0.00	8.58	18.78	10.15	1.78	0.00	0.23	0.00	0.00	11.75	23.91
	R10CA021	7.76	1.63	0.00	0.25	0.00	0.00	8.08	17.72	9.55	1.67	0.00	0.25	0.00	0.00	11.05	22.52
	R10CA022	0.48	0.10	0.00	0.00	0.00	0.00	0.50	1.08	0.59	0.10	0.00	0.00	0.00	0.00	0.69	1.38
	R10FI001	2.23	0.47	0.00	0.09	0.00	0.00	2.32	5.11	2.74	0.48	0.00	0.09	0.00	0.00	3.18	6.49
	R10FI002	3.72	0.78	0.00	0.10	0.00	0.00	3.87	8.47	4.58	0.80	0.00	0.10	0.00	0.00	5.30	10.78

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	R10FI003	4.66	0.98	0.00	0.10	0.00	0.00	4.85	10.59	5.74	1.01	0.00	0.10	0.00	0.00	6.64	13.49
	R10FI004	4.67	0.98	0.00	0.20	0.00	0.00	4.86	10.71	5.75	1.01	0.00	0.20	0.00	0.00	6.65	13.61
	R10FI005	5.95	1.25	0.00	0.20	0.00	0.00	6.20	13.60	7.32	1.28	0.00	0.20	0.00	0.00	8.48	17.28
	R10FI006	5.77	1.21	0.00	0.28	0.00	0.00	6.01	13.27	7.10	1.24	0.00	0.28	0.00	0.00	8.22	16.84
R15																	
	R15SO001	7.16	2.25	0.00	0.40	2.47	0.32	5.92	18.52								
	R15SO002	6.80	2.48	0.00	0.45	4.34	0.57	5.83	20.47								
	R15SO003	10.71	3.48	0.00	0.67	4.34	0.57	8.92	28.69								
R30																	
	R30BO001	4.07	0.90	2.21	0.46	0.43	0.06	3.24	11.37								
	R30BO002	8.71	1.92	3.11	0.65	0.92	0.12	6.95	22.38								
	R30BO003	9.68	2.12	3.11	0.65	0.92	0.12	7.72	24.32								
	R30CA001	5.32	1.20	2.33	0.49	0.97	0.13	4.27	14.71								
	R30CA002	5.50	1.22	2.33	0.49	0.79	0.10	4.40	14.83								
	R30CA003	16.56	4.23	6.35	1.33	0.00	0.00	14.95	43.42								
	R30CA004	16.45	4.20	6.35	1.33	0.00	0.00	14.85	43.18								
	R30CA005	24.75	6.32	9.37	1.96	0.00	0.00	22.34	64.74								
	R30CA006	25.91	6.62	9.37	1.96	0.00	0.00	23.38	67.24								
	R30CA007	26.13	6.67	9.37	1.96	0.00	0.00	23.58	67.71								
	R30CA008	5.10	1.14	2.33	0.49	0.79	0.10	4.08	14.03								
	R30FR001	4.29	0.97	2.42	0.51	0.70	0.09	3.44	12.42								
	R30FR002	4.79	1.08	2.42	0.51	0.70	0.09	3.84	13.43								
	R30FR003	5.58	1.26	3.57	0.75	0.88	0.11	4.47	16.62								
	R30FR004	9.44	2.09	3.66	0.76	1.10	0.14	7.54	24.73								
	R30FR005	2.71	0.69	1.51	0.32	0.00	0.00	2.45	7.68								
	R30FR006	3.22	0.82	1.81	0.38	0.00	0.00	2.91	9.14								
	R30FR007	4.87	1.24	2.42	0.51	0.00	0.00	4.39	13.43								
	R30FR008	5.07	1.30	2.42	0.51	0.00	0.00	4.58	13.88								
	R30FR009	5.32	1.36	2.42	0.51	0.00	0.00	4.80	14.41								
	R30FR010	5.53	1.41	2.42	0.51	0.00	0.00	4.99	14.86								
	R30HY001	4.70	1.06	2.45	0.51	0.70	0.09	3.76	13.27								
	R30HY002	3.06	0.78	1.45	0.30	0.00	0.00	2.76	8.35								
	R30HY003	3.63	0.93	1.45	0.30	0.00	0.00	3.27	9.58								
	R30HY004	4.44	1.13	2.42	0.51	0.00	0.00	4.01	12.51								
	R30HY005	4.73	1.21	2.42	0.51	0.00	0.00	4.27	13.14								
	R30HY006	5.28	1.35	2.42	0.51	0.00	0.00	4.77	14.33								
	R30HY007	5.57	1.42	2.42	0.51	0.00	0.00	5.03	14.95								
	R30ID001	3.09	0.79	1.33	0.28	0.00	0.00	2.79	8.28								
	R30ID002	3.73	0.95	1.33	0.28	0.00	0.00	3.37	9.66								
	R30ID003	4.96	1.27	2.63	0.55	0.00	0.00	4.48	13.89								
	R30ID004	5.27	1.35	2.63	0.55	0.00	0.00	4.76	14.56								
	R30ID005	5.61	1.43	2.63	0.55	0.00	0.00	5.06	15.28								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	R30ID006	5.94	1.52	2.63	0.55	0.00	0.00	5.36	16.00								
	R30IG001	3.47	0.80	2.30	0.48	0.70	0.09	2.80	10.64								
	R30IG002	4.21	0.95	2.30	0.48	0.70	0.09	3.38	12.11								
	R30IG007	4.78	1.22	2.30	0.48	0.00	0.00	4.31	13.09								
	R30IG008	4.84	1.24	2.30	0.48	0.00	0.00	4.37	13.23								
	R30IG009	5.18	1.32	2.30	0.48	0.00	0.00	4.68	13.96								
	R30IG010	2.40	0.61	3.73	0.78	0.00	0.00	2.17	9.69								
	R30IG011	3.08	0.79	4.00	0.84	0.00	0.00	2.78	11.49								
	R30IG012	3.83	0.98	2.42	0.51	0.00	0.00	3.45	11.19								
	R30IG013	4.03	1.03	2.57	0.54	0.00	0.00	3.64	11.81								
	R30IG014	4.44	1.14	2.42	0.51	0.00	0.00	4.01	12.52								
	R30IG015	4.69	1.20	2.42	0.51	0.00	0.00	4.23	13.05								
	R30IN001	4.77	1.04	2.30	0.48	0.44	0.06	3.80	12.89								
	R30IN002	5.86	1.27	2.63	0.55	0.44	0.06	4.66	15.47								
	R30RS001	0.56	0.14	0.97	0.20	0.00	0.00	0.51	2.38								
	R30RS002	0.79	0.20	1.24	0.26	0.00	0.00	0.71	3.20								
R40																	
	R40SO001	8.72	1.83	2.10	0.58	0.00	0.00	7.87	21.10								
	R40SO002	11.37	2.38	3.15	0.88	0.00	0.00	10.26	28.04								
R45																	
	R45BO001	3.45	0.72	1.47	0.41	0.00	0.00	4.29	10.34								
	R45BO002	8.32	1.74	2.94	0.82	0.00	0.00	10.33	24.15								
	R45BO003	8.75	1.83	3.11	0.87	0.00	0.00	10.87	25.43								
	R45BO004	9.84	2.06	4.28	1.19	0.00	0.00	12.21	29.58								
	R45BO005	10.38	2.17	4.28	1.19	0.00	0.00	12.88	30.90								
	R45CA001	2.97	0.62	1.39	0.39	0.00	0.00	3.68	9.05								
	R45CA002	3.52	0.74	1.39	0.39	0.00	0.00	4.37	10.41								
	R45CA005	8.07	1.69	3.36	0.94	0.00	0.00	10.02	24.08								
	R45CA007	10.31	2.16	5.25	1.46	0.00	0.00	12.80	31.98								
	R45CA008	12.36	2.59	6.51	1.81	0.00	0.00	15.34	38.61								
	R45DY001	4.01	0.84	1.30	0.36	0.00	0.00	4.97	11.48								
	R45DY002	9.59	2.01	1.30	0.36	0.00	0.00	11.90	25.16								
	R45DY003	12.05	2.53	5.17	1.44	0.00	0.00	14.96	36.15								
	R45DY004	17.85	3.74	8.82	2.46	0.00	0.00	22.16	55.03								
	R45HY002	9.86	2.07	4.28	1.19	0.00	0.00	12.24	29.64								
	R45ID003	11.01	2.31	5.04	1.40	0.00	0.00	13.67	33.43								
	R45IN001	3.12	0.65	1.30	0.36	0.00	0.00	3.87	9.30								
	R45IN002	3.51	0.74	1.30	0.36	0.00	0.00	4.36	10.27								
	R45IN003	3.85	0.81	1.34	0.37	0.00	0.00	4.78	11.15								
	R45IN004	9.07	1.90	3.02	0.84	0.00	0.00	11.25	26.08								
	R45IN005	11.10	2.33	4.70	1.31	0.00	0.00	13.77	33.21								
	R45IN006	10.66	2.23	4.83	1.34	0.00	0.00	13.23	32.29								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	R45IN007	14.68	3.08	6.55	1.82	0.00	0.00	18.23	44.36								
	R45RS001	1.11	0.23	1.72	0.48	0.00	0.00	1.38	4.92								
	R45RS002	2.58	0.54	1.26	0.35	0.00	0.00	3.20	7.93								
	R45TA001	8.36	1.75	3.28	0.91	0.00	0.00	10.38	24.68								
	R45TA002	10.16	2.13	4.54	1.26	0.00	0.00	12.61	30.70								
R50																	
	R50BO001	6.25	1.33	2.14	0.60	0.22	0.03	7.07	17.64								
	R50BO002	7.09	1.51	2.98	0.83	0.26	0.03	8.03	20.73								
	R50BO003	10.43	2.24	5.00	1.39	0.63	0.08	11.83	31.60								
	R50BO004	11.39	2.44	7.01	1.95	0.63	0.08	12.92	36.42								
	R50CA001	6.11	1.29	3.23	0.90	0.13	0.02	6.91	18.59								
	R50CA002	6.75	1.44	3.23	0.90	0.26	0.03	7.65	20.26								
	R50CA003	6.74	1.44	4.28	1.19	0.26	0.03	7.64	21.58								
	R50CA004	8.58	1.82	4.28	1.19	0.26	0.03	9.71	25.87								
	R50CA005	7.68	1.63	4.28	1.19	0.26	0.03	8.69	23.76								
	R50CA006	8.84	1.90	6.51	1.81	0.57	0.07	10.03	29.73								
	R50CA009	9.79	2.10	6.09	1.70	0.57	0.07	11.11	31.43								
	R50CA010	10.93	2.34	6.09	1.70	0.57	0.07	12.39	34.09								
	R50DY001	8.91	1.89	4.12	1.15	0.25	0.03	10.08	26.43								
	R50DY002	10.21	2.16	4.12	1.15	0.20	0.03	11.54	29.41								
	R50DY003	10.70	2.30	6.34	1.77	0.65	0.08	12.14	33.98								
	R50DY004	12.81	2.74	6.34	1.77	0.57	0.07	14.51	38.81								
	R50DY005	12.74	2.72	6.34	1.77	0.57	0.07	14.43	38.64								
	R50DY006	16.48	3.51	6.47	1.80	0.57	0.07	18.66	47.56								
	R50HY005	6.45	1.46	4.49	1.25	1.20	0.16	7.39	22.40								
	R50HY007	6.92	1.47	4.49	1.25	0.21	0.03	7.83	22.20								
	R50HY008	8.54	1.81	4.49	1.25	0.21	0.03	9.66	25.99								
	R50HY009	10.27	2.21	6.09	1.70	0.63	0.08	11.66	32.64								
	R50HY010	10.27	2.21	6.09	1.70	0.49	0.06	11.66	32.48								
	R50HY011	10.74	2.31	6.09	1.70	0.63	0.08	12.18	33.73								
	R50HY012	11.13	2.39	6.09	1.70	0.67	0.09	12.63	34.70								
	R50HY013	11.65	2.50	6.09	1.70	0.49	0.06	13.21	35.70								
	R50ID001	7.93	1.69	3.36	0.94	0.26	0.03	8.98	23.19								
	R50ID002	8.68	1.84	3.36	0.94	0.21	0.03	9.83	24.89								
	R50ID003	8.73	1.85	3.36	0.94	0.27	0.04	9.88	25.07								
	R50ID004	9.61	2.04	3.36	0.94	0.21	0.03	10.87	27.06								
	R50ID005	9.29	1.97	5.04	1.40	0.32	0.04	10.51	28.57								
	R50ID006	10.11	2.17	5.04	1.40	0.53	0.07	11.46	30.78								
	R50ID007	10.30	2.19	5.04	1.40	0.25	0.03	11.66	30.87								
	R50ID008	10.97	2.33	5.04	1.40	0.25	0.03	12.41	32.43								
	R50IN001	6.11	1.30	3.19	0.89	0.20	0.03	6.92	18.64								
	R50TA001	6.18	1.31	3.28	0.91	0.21	0.03	7.00	18.92								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	R50TA002	6.78	1.45	3.28	0.91	0.27	0.04	7.68	20.41								
	R50TA003	7.09	1.50	3.28	0.91	0.21	0.03	8.03	21.05								
	R50TA004	9.24	1.99	5.54	1.54	0.63	0.08	10.49	29.51								
	R50TA005	9.92	2.13	5.54	1.54	0.53	0.07	11.25	30.98								
	R50TA006	9.73	2.10	5.54	1.54	0.63	0.08	11.05	30.67								
	R50TA007	10.22	2.20	5.54	1.54	0.63	0.08	11.59	31.80								
R55																	
	R55AE001	0.94	0.14	0.00	0.50	0.03	0.00	0.82	2.43								
	R55AE002	1.17	0.18	0.00	0.50	0.04	0.01	1.02	2.92								
	R55AE003	1.51	0.24	0.00	0.75	0.09	0.01	1.32	3.92								
	R55AE004	1.85	0.29	0.00	2.00	0.13	0.02	1.62	5.91								
	R55AE005	3.04	0.46	1.47	0.31	0.04	0.01	2.64	7.97								
	R55AE006	3.39	0.51	1.47	0.31	0.05	0.01	2.95	8.69								
	R55AE007	3.81	0.58	1.47	0.31	0.05	0.01	3.31	9.54								
	R55AE008	0.55	0.08	0.51	0.11	0.00	0.00	0.48	1.73								
	R55AE009	0.20	0.03	0.57	0.12	0.00	0.00	0.17	1.09								
	R55AE010	0.35	0.05	1.02	0.21	0.00	0.00	0.30	1.93								
	R55GL001	0.28	0.05	0.00	0.50	0.04	0.01	0.24	1.12								
	R55GL002	0.58	0.09	0.00	0.50	0.04	0.01	0.51	1.73								
	R55GL003	0.82	0.13	0.00	0.75	0.04	0.01	0.72	2.47								
	R55GL004	1.01	0.16	0.00	0.75	0.05	0.01	0.88	2.86								
	R55GL005	3.61	0.54	1.60	0.33	0.00	0.00	3.13	9.21								
	R55GL006	4.33	0.65	1.60	0.33	0.00	0.00	3.76	10.67								
	R55GL007	1.16	0.17	1.15	0.24	0.00	0.00	1.00	3.72								
	R55GL008	0.27	0.04	0.26	0.05	0.00	0.00	0.23	0.85								
	R55GL009	0.20	0.03	0.51	0.11	0.00	0.00	0.18	1.03								
	R55GL010	0.34	0.05	1.02	0.21	0.00	0.00	0.29	1.91								
	R55GL011	0.35	0.05	1.02	0.21	0.00	0.00	0.30	1.93								
S10																	
	S10CA001	13.34	3.61	5.44	1.89	3.10	0.40	11.74	39.52	16.68	3.70	7.06	2.46	5.15	0.67	15.67	51.39
	S10CA002	21.09	5.26	8.24	2.29	5.91	0.77	15.12	58.68	26.37	5.40	10.68	2.97	9.82	1.28	20.37	76.89
	S10CA003	30.24	7.60	11.34	3.16	9.62	1.26	21.71	84.93	37.80	7.82	14.72	4.10	15.98	2.09	29.26	111.77
	S10FI002	32.88	8.11	10.26	2.86	7.77	1.01	23.54	86.43	41.10	8.34	13.31	3.70	12.91	1.68	31.71	112.75
	S10ID001	12.24	3.34	5.13	1.78	3.46	0.45	10.80	37.20	15.30	3.43	6.65	2.32	5.74	0.75	14.41	48.60
	S10JD001	12.23	3.37	5.59	1.95	3.84	0.50	10.80	38.28	15.28	3.45	7.26	2.53	6.38	0.83	14.42	50.15
	S10JD002	18.48	4.64	8.24	2.29	5.77	0.75	13.26	53.43	23.10	4.77	10.68	2.97	9.58	1.25	17.87	70.22
S15																	
	S15CA001	26.08	6.64	9.15	2.55	9.62	1.26	18.76	74.06	32.60	6.82	11.92	3.32	15.98	2.09	25.28	98.01
	S15CA002	41.51	10.52	12.47	3.47	14.64	1.91	29.84	114.36	51.88	10.81	16.25	4.53	24.32	3.17	40.20	151.16
	S15CA003	54.42	13.72	15.25	4.24	18.03	2.35	39.09	147.10	68.02	14.11	19.87	5.53	29.94	3.91	52.67	194.05
	S15FI001	29.15	7.19	9.15	2.55	6.97	0.91	20.86	76.78	36.43	7.39	11.92	3.32	11.58	1.51	28.11	100.26
	S15TE001	39.59	10.14	13.31	3.70	15.77	2.06	28.51	113.08	49.49	10.42	17.34	4.83	26.19	3.42	38.42	150.11

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
S20																	
	S20CA001	30.68	7.74	13.23	2.99	13.50	1.76	22.03	91.93	38.34	7.95	17.01	3.85	23.44	3.06	29.69	123.34
	S20CA002	32.67	8.20	13.23	2.99	13.50	1.76	23.45	95.80	40.84	8.43	17.01	3.85	23.44	3.06	31.59	128.22
	S20CA003	53.50	13.31	20.58	4.66	19.42	2.53	38.34	152.34	66.87	13.68	26.46	5.99	33.73	4.40	51.67	202.80
	S20CA004	55.86	13.86	20.58	4.66	19.42	2.53	40.02	156.93	69.82	14.25	26.46	5.99	33.73	4.40	53.92	208.57
	S20CA005	66.95	16.64	27.93	6.32	23.91	3.12	47.98	192.85	83.69	17.10	35.91	8.12	41.53	5.42	64.64	256.41
	S20CA006	71.29	17.65	27.93	6.32	23.91	3.12	51.06	201.28	89.12	18.14	35.91	8.12	41.53	5.42	68.80	267.04
	S20TE001	26.78	6.73	8.53	1.93	11.13	1.45	19.22	75.77	33.48	6.91	10.96	2.48	19.34	2.52	25.90	101.59
	S20TE002	52.50	13.15	21.76	4.92	20.92	2.73	37.67	153.65	65.63	13.51	27.97	6.33	36.33	4.74	50.75	205.26
S25																	
	S25RM001	5.55	1.88	0.00	1.51	2.04	0.27	4.62	15.87	6.66	1.91	0.00	1.51	2.66	0.35	5.93	19.02
	S25RM002	5.75	2.11	0.00	1.51	3.73	0.49	4.87	18.46	6.90	2.14	0.00	1.51	4.87	0.64	6.26	22.32
S30																	
	S30HW001	20.43	4.76	16.25	9.86	0.00	0.00	22.18	73.48								
	S30HW002	27.55	6.41	22.75	13.41	0.00	0.00	29.91	100.03								
	S30HW003	20.43	4.76	10.58	4.58	0.00	0.00	22.18	62.53								
	S30HW004	27.55	6.41	14.82	6.11	0.00	0.00	29.91	84.80								
	S30HW005	11.04	2.57	2.60	3.02	0.00	0.00	11.99	31.22								
	S30HW006	18.39	4.28	6.50	5.54	0.00	0.00	19.97	54.68								
	S30HW007	19.98	4.65	8.13	6.68	0.00	0.00	21.70	61.14								
	S30HW008	20.88	4.86	8.13	7.18	0.00	0.00	22.67	63.72								
	S30HW009	21.65	5.04	9.75	8.32	0.00	0.00	23.51	68.27								
	S30HW010	26.39	6.14	13.00	10.09	0.00	0.00	28.65	84.27								
	S30HW011	25.87	6.02	13.00	9.84	0.00	0.00	28.09	82.82								
	S30HW012	30.58	7.12	13.00	10.59	0.00	0.00	33.21	94.50								
	S30HW013	24.64	5.74	29.25	18.95	0.00	0.00	26.76	105.34								
	S30HW014	7.47	1.91	0.98	1.88	0.00	0.00	6.89	19.13								
	S30HW015	8.28	2.12	1.63	2.44	0.00	0.00	7.64	22.11								
	S30HW016	7.84	2.00	1.30	2.11	0.00	0.00	7.24	20.49								
	S30HW017	8.43	2.15	1.63	2.49	0.00	0.00	7.77	22.47								
	S30HW018	10.04	2.57	2.60	3.02	0.00	0.00	9.27	27.50								
	S30KB001	1.40	0.44	0.98	1.38	0.81	0.11	1.18	6.30								
	S30KB002	1.54	0.49	0.98	1.38	0.90	0.12	1.30	6.71								
	S30KB003	1.56	0.49	1.63	1.89	0.90	0.12	1.32	7.91								
	S30KB004	1.71	0.54	1.63	1.89	1.02	0.13	1.45	8.37								
	S30KB005	1.77	0.56	1.95	2.11	1.10	0.14	1.50	9.13								
	S30KB006	2.07	0.66	2.60	2.52	1.27	0.17	1.75	11.04								
	S30KB007	3.02	0.86	0.98	1.63	0.86	0.11	2.49	9.95								
	S30KB008	3.33	0.95	1.30	1.86	0.95	0 12	2.75	11.26								
	S30KB009	4.19	1.18	1.30	1.86	1.05	0.14	3.45	13.17								
	S30KB010	3.10	0.89	1.63	2.04	0.96	0.13	2.57	11.32								
	S30KB011	3.45	0.99	1.95	2.26	1.08	0.14	2.86	12.73								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	S30KB012	5.08	1.42	2.60	2.62	1.20	0.16	4.18	17.26								
	S30KB013	4.18	1.19	1.95	2.36	1.19	0.16	3.45	14.48								
	S30KB014	4.96	1.40	3.25	2.97	1.36	0.18	4.09	18.21								
	S30KB015	5.56	1.57	3.90	3.33	1.52	0.20	4.59	20.67								
	S30KB016	2.27	0.64	1.30	1.76	0.63	0.08	1.87	8.55								
	S30KB017	2.34	0.67	1.30	1.76	0.73	0.10	1.93	8.83								
	S30KB018	4.26	1.18	1.63	1.99	0.91	0.12	3.50	13.59								
	S30KB019	2.52	0.71	1.95	2.16	0.75	0.10	2.08	10.27								
	S30KB020	2.79	0.79	1.95	2.16	0.87	0.11	2.30	10.97								
	S30KB021	5.14	1.42	2.60	2.52	1.09	0.14	4.21	17.12								
	S30KB022	3.01	0.86	3.25	2.97	1.00	0.13	2.49	13.71								
	S30KB023	3.69	1.05	3.25	3.02	1.17	0.15	3.05	15.38								
	S30KB024	5.97	1.66	3.90	3.48	1.46	0.19	4.91	21.57								
	S30KB025	3.11	0.85	0.98	1.63	0.63	0.08	2.55	9.83								
	S30KB026	3.71	1.02	0.98	1.68	0.73	0.10	3.04	11.26								
	S30KB027	4.66	1.28	1.30	1.91	0.91	0.12	3.82	14.00								
	S30KB028	3.93	1.07	1.95	2.26	0.75	0.10	3.22	13.28								
	S30KB029	4.36	1.20	1.95	2.26	0.87	0.11	3.57	14.32								
	S30KB030	5.37	1.48	2.60	2.62	1.09	0.14	4.41	17.71								
	S30KB031	4.58	1.26	3.25	3.02	1.00	0.13	3.76	17.00								
	S30KB032	5.53	1.52	3.25	3.12	1.17	0.15	4.54	19.28								
	S30KB033	6.43	1.78	3.90	3.43	1.46	0.19	5.28	22.47								
	S30KB034	13.53	3.23	4.88	4.41	0.85	0.11	14.75	41.76								
	S30KB035	13.96	3.33	6.50	5.54	0.85	0.11	15.22	45.51								
	S30KB036	16.00	3.81	6.50	5.54	0.85	0.11	17.43	50.24								
	S30KB037	4.83	1.27	2.21	2.54	0.40	0.05	4.49	15.79								
	S30KB038	5.18	1.38	2.21	2.54	0.51	0.07	4.81	16.70								
	S30KB039	5.83	1.54	2.90	2.96	0.45	0.06	5.41	19.15								
	S30KB040	6.26	1.65	2.90	2.96	0.51	0.07	5.81	20.16								
	S30KL001	5.33	1.37	0.00	2.50	0.09	0.01	4.93	14.23								
	S30KL002	6.73	1.74	0.00	3.00	0.12	0.02	6.22	17.83								
	S30KL003	8.45	2.17	0.00	3.50	0.12	0.02	7.81	22.07								
	S30RA001	2.83	0.74	0.73	1.43	0.10	0.01	2.62	8.46								
	S30RA002	4.05	1.05	0.73	1.43	0.10	0.01	3.74	11.11								
	S30RA003	6.46	1.67	1.09	2.02	0.20	0.03	5.98	17.45								
	S30RA004	8.10	2.09	1.48	2.36	0.20	0.03	7.49	21.75								
	S30TS001	1.70	0.49	0.98	1.38	0.58	0.08	1.41	6.62								
	S30TS002	2.14	0.62	0.98	1.38	0.77	0.10	1.77	7.76								
	S30TS003	1.76	0.52	1.30	1.76	0.70	0.09	1.46	7.59								
	S30TS004	2.19	0.64	1.30	1.76	0.94	0.12	1.82	8.77								
	S30TS005	1.82	0.55	0.98	1.38	0.95	0.12	1.52	7.32								
	S30TS006	2.22	0.68	1.30	2.01	1.28	0.17	1.87	9.53								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	S30TS007	1.98	0.61	0.98	1.38	1.09	0.14	1.66	7.84								
	S30TS008	2.19	0.74	1.30	2.01	1.98	0.26	1.88	10.36								
	S30TS009	15.47	3.60	19.50	10.63	0.00	0.00	16.80	66.00								
	S30TS010	23.42	5.45	26.00	14.18	0.00	0.00	25.43	94.48								
	S30TS011	39.67	9.24	52.00	28.36	0.00	0.00	43.07	172.34								
	S30TS012	12.02	2.80	13.00	7.59	0.00	0.00	13.05	48.46								
	S30TS013	12.23	2.85	13.00	7.59	0.00	0.00	13.28	48.95								
	S30TS014	16.55	3.85	16.25	9.36	0.00	0.00	17.98	63.99								
	S30TS015	23.10	5.38	16.25	9.36	0.00	0.00	25.08	79.17								
	S30TS016	22.90	5.33	19.50	11.13	0.00	0.00	24.86	83.72								
	S30TS017	23.43	5.45	19.50	11.13	0.00	0.00	25.44	84.95								
	S30TS018	42.85	9.98	26.00	15.18	0.00	0.00	46.53	140.54								
	S30TS019	43.67	10.17	26.00	15.18	0.00	0.00	47.42	142.44								
	S30TS020	6.18	1.44	6.50	5.04	0.00	0.00	6.71	25.87								
	S30TS021	9.27	2.16	13.00	8.09	0.00	0.00	10.07	42.59								
	S30TS022	13.47	3.14	19.50	11.63	0.00	0.00	14.63	62.37								
	S30TS023	17.65	4.11	26.00	15.18	0.00	0.00	19.17	82.11								
	S30TS024	23.13	5.39	19.50	11.63	0.00	0.00	25.12	84.77								
S35																	
	S35AR001	0.24	0.05	0.00	0.00	0.00	0.00	0.22	0.51								
	S35AR002	0.39	0.08	0.00	0.00	0.00	0.00	0.36	0.83								
S40																	
	S40CA001	16.14	4.15	10.41	2.54	0.40	0.05	15.94	49.63	20.17	4.26	13.51	3.29	0.61	0.08	22.28	64.20
	S40CA002	14.54	3.80	10.41	2.54	1.20	0.16	14.41	47.06	18.18	3.90	13.51	3.29	1.89	0.25	20.14	61.16
S45																	
	S45DA001	1.39	0.23	0.00	1.10	0.00	0.00	1.60	4.32								
	S45DA002	1.63	0.27	0.00	1.20	0.00	0.00	1.88	4.98								
	S45DA003	1.68	0.27	0.00	1.30	0.00	0.00	1.93	5.18								
T10																	
	T10CA001	0.79	0.20	0.00	0.08	0.00	0.00	0.73	1.80	0.98	0.21	0.00	0.08	0.00	0.00	1.02	2.29
	T10CA002	0.60	0.15	0.00	0.08	0.00	0.00	0.55	1.38	0.75	0.16	0.00	0.08	0.00	0.00	0.78	1.77
	T10CA003	0.96	0.24	0.00	0.08	0.00	0.00	0.89	2.17	1.20	0.25	0.00	0.08	0.00	0.00	1.25	2.78
	T10CA004	1.04	0.27	0.00	0.08	0.00	0.00	0.97	2.36	1.30	0.27	0.00	0.08	0.00	0.00	1.36	3.01
	T10CA005	1.84	0.47	0.00	0.08	0.00	0.00	1.71	4.10	2.30	0.48	0.00	0.08	0.00	0.00	2.40	5.26
	T10CA006	1.14	0.29	0.00	0.08	0.00	0.00	1.06	2.57	1.42	0.30	0.00	0.08	0.00	0.00	1.48	3.28
	T10CA007	1.16	0.30	0.00	0.08	0.00	0.00	1.07	2.61	1.45	0.30	0.00	0.08	0.00	0.00	1.51	3.34
	T10CA008	1.56	0.40	0.00	0.08	0.00	0.00	1.45	3.49	1.95	0.41	0.00	0.08	0.00	0.00	2.03	4.47
	T10CA009	1.53	0.39	0.00	0.08	0.00	0.00	1.42	3.42	1.91	0.40	0.00	0.08	0.00	0.00	1.99	4.38
	T10CA010	1.69	0.43	0.00	0.08	0.00	0.00	1.57	3.77	2.11	0.44	0.00	0.08	0.00	0.00	2.20	4.83
	T10CA011	1.99	0.51	0.00	0.08	0.00	0.00	1.84	4.42	2.48	0.52	0.00	0.08	0.00	0.00	2.59	5.67
	T10CA012	2.20	0.56	0.00	0.08	0.00	0.00	2.04	4.88	2.75	0.58	0.00	0.08	0.00	0.00	2.86	6.27
	T10CA013	2.40	0.61	0.00	0.08	0.00	0.00	2.22	5.31	3.00	0.63	0.00	0.08	0.00	0.00	3.12	6.83

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	T10CA014	2.29	0.58	0.00	0.08	0.00	0.00	2.12	5.07	2.86	0.60	0.00	0.08	0.00	0.00	2.98	6.52
	T10CA015	2.55	0.65	0.00	0.10	0.00	0.00	2.36	5.66	3.19	0.67	0.00	0.10	0.00	0.00	3.32	7.28
	T10CA016	2.90	0.74	0.00	0.12	0.00	0.00	2.68	6.44	3.62	0.76	0.00	0.12	0.00	0.00	3.77	8.27
	T10CA017	3.07	0.78	0.00	0.13	0.00	0.00	2.84	6.82	3.84	0.80	0.00	0.13	0.00	0.00	4.00	8.77
	T10CA018	2.83	0.72	0.00	0.13	0.00	0.00	2.62	6.30	3.54	0.74	0.00	0.13	0.00	0.00	3.68	8.09
	T10CA019	0.09	0.02	0.00	0.05	0.00	0.00	0.09	0.25	0.12	0.02	0.00	0.05	0.00	0.00	0.12	0.31
	T10CA020	2.38	0.61	0.00	0.15	0.00	0.00	2.21	5.35	2.98	0.62	0.00	0.15	0.00	0.00	3.10	6.85
	T10CA021	3.91	1.00	0.00	0.19	0.00	0.00	3.62	8.72	4.89	1.02	0.00	0.19	0.00	0.00	5.09	11.19
	T10CA022	4.07	1.04	0.00	0.19	0.00	0.00	3.77	9.07	5.09	1.07	0.00	0.19	0.00	0.00	5.30	11.65
	T10CA023	2.71	0.69	0.00	0.20	0.00	0.00	2.51	6.11	3.38	0.71	0.00	0.20	0.00	0.00	3.52	7.81
	T10CA024	5.36	1.37	0.00	0.28	0.00	0.00	4.96	11.97	6.69	1.40	0.00	0.28	0.00	0.00	6.97	15.34
	T10CA025	5.80	1.48	0.00	0.29	0.00	0.00	5.37	12.94	7.24	1.52	0.00	0.29	0.00	0.00	7.54	16.59
	T10CA026	7.76	1.98	0.00	0.40	0.00	0.00	7.19	17.33	9.70	2.03	0.00	0.40	0.00	0.00	10.10	22.23
	T10CA027	8.44	2.16	0.00	0.42	0.00	0.00	7.82	18.84	10.56	2.21	0.00	0.42	0.00	0.00	10.99	24.18
	T10ID001	1.28	0.33	0.00	0.05	0.00	0.00	1.18	2.84	1.59	0.33	0.00	0.05	0.00	0.00	1.66	3.63
	T10ID002	1.45	0.37	0.00	0.05	0.00	0.00	1.34	3.21	1.81	0.38	0.00	0.05	0.00	0.00	1.88	4.12
	T10ID003	2.14	0.55	0.00	0.05	0.00	0.00	1.98	4.72	2.67	0.56	0.00	0.05	0.00	0.00	2.78	6.06
	T10ID004	2.32	0.59	0.00	0.05	0.00	0.00	2.15	5.11	2.90	0.61	0.00	0.05	0.00	0.00	3.02	6.58
	T10ID005	2.93	0.75	0.00	0.10	0.00	0.00	2.71	6.49	3.66	0.77	0.00	0.10	0.00	0.00	3.81	8.34
	T10ID006	3.14	0.80	0.00	0.12	0.00	0.00	2.91	6.97	3.93	0.82	0.00	0.12	0.00	0.00	4.09	8.96
	T10ID007	3.04	0.78	0.00	0.08	0.00	0.00	2.81	6.71	3.79	0.79	0.00	0.08	0.00	0.00	3.95	8.61
	T10ID008	3.41	0.87	0.00	0.13	0.00	0.00	3.16	7.57	4.26	0.89	0.00	0.13	0.00	0.00	4.44	9.72
	T10JD001	0.41	0.10	0.00	0.00	0.00	0.00	0.38	0.89	0.51	0.11	0.00	0.00	0.00	0.00	0.53	1.15
	T10KM001	0.92	0.24	0.00	0.15	0.00	0.00	0.85	2.16	1.15	0.24	0.00	0.15	0.00	0.00	1.20	2.74
	T10KM002	0.94	0.24	0.00	0.15	0.00	0.00	0.87	2.20	1.18	0.25	0.00	0.15	0.00	0.00	1.22	2.80
	T10KM003	0.97	0.25	0.00	0.15	0.00	0.00	0.90	2.27	1.21	0.25	0.00	0.15	0.00	0.00	1.26	2.87
	T10KM004	1.08	0.28	0.00	0.15	0.00	0.00	1.00	2.51	1.35	0.28	0.00	0.15	0.00	0.00	1.41	3.19
	T10KM005	1.31	0.33	0.00	0.18	0.00	0.00	1.21	3.03	1.63	0.34	0.00	0.18	0.00	0.00	1.70	3.85
	T10KM006	1.90	0.48	0.00	0.18	0.00	0.00	1.76	4.32	2.37	0.50	0.00	0.18	0.00	0.00	2.47	5.52
	T10KM007	2.34	0.60	0.00	0.20	0.00	0.00	2.17	5.31	2.93	0.61	0.00	0.20	0.00	0.00	3.05	6.79
	T10KM008	2.31	0.59	0.00	0.25	0.00	0.00	2.14	5.29	2.89	0.60	0.00	0.25	0.00	0.00	3.01	6.75
	T10KM009	2.78	0.71	0.00	0.35	0.00	0.00	2.57	6.41	3.47	0.73	0.00	0.35	0.00	0.00	3.61	8.16
	T10KM011	3.56	0.91	0.00	0.40	0.00	0.00	3.30	8.17	4.45	0.93	0.00	0.40	0.00	0.00	4.64	10.42
	T10KM012	4.00	1.02	0.00	0.45	0.00	0.00	3.71	9.18	5.00	1.05	0.00	0.45	0.00	0.00	5.21	11.71
	T10KM013	3.60	0.92	0.00	0.40	0.00	0.00	3.34	8.26	4.50	0.94	0.00	0.40	0.00	0.00	4.69	10.53
	T10KM014	4.73	1.21	0.00	0.64	0.00	0.00	4.38	10.96	5.91	1.24	0.00	0.64	0.00	0.00	6.16	13.95
	T10KM015	3.56	0.91	0.00	0.40	0.00	0.00	3.30	8.17	4.45	0.93	0.00	0.40	0.00	0.00	4.64	10.42
	T10KM016	5.97	1.53	0.00	0.70	0.00	0.00	5.53	13.73	7.47	1.56	0.00	0.70	0.00	0.00	7.77	17.50
	T10LE001	0.44	0.11	0.00	0.00	0.00	0.00	0.40	0.95	0.55	0.11	0.00	0.00	0.00	0.00	0.57	1.23
	T10LE002	0.48	0.12	0.00	0.00	0.00	0.00	0.45	1.05	0.61	0.13	0.00	0.00	0.00	0.00	0.63	1.37
	T10LE003	0.54	0.14	0.00	0.00	0.00	0.00	0.50	1.18	0.68	0.14	0.00	0.00	0.00	0.00	0.71	1.53
	T10LE004	0.91	0.23	0.00	0.00	0.00	0.00	0.84	1.98	1.14	0.24	0.00	0.00	0.00	0.00	1.18	2.56

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	T10LE005	1.08	0.28	0.00	0.00	0.00	0.00	1.00	2.36	1.35	0.28	0.00	0.00	0.00	0.00	1.40	3.03
T15																	
	T15CA003	4.14	1.16	2.19	0.69	0.00	0.00	6.14	14.32	5.18	1.19	2.87	0.90	0.00	0.00	8.31	18.45
	T15CA004	5.31	1.49	3.11	0.97	0.00	0.00	7.87	18.75	6.64	1.53	4.07	1.27	0.00	0.00	10.65	24.16
	T15CA005	5.84	1.64	2.95	0.92	0.00	0.00	8.66	20.01	7.30	1.68	3.86	1.21	0.00	0.00	11.72	25.77
	T15CA006	8.35	2.35	3.93	1.23	0.00	0.00	12.37	28.23	10.43	2.40	5.14	1.61	0.00	0.00	16.74	36.32
	T15CA007	9.54	2.68	4.10	1.28	0.00	0.00	14.14	31.74	11.93	2.74	5.36	1.68	0.00	0.00	19.14	40.85
	T15CA008	9.26	2.60	4.59	1.44	0.00	0.00	13.72	31.61	11.58	2.66	6.00	1.88	0.00	0.00	18.57	40.69
	T15CA009	10.64	2.99	5.41	1.69	0.00	0.00	15.76	36.49	13.30	3.06	7.07	2.21	0.00	0.00	21.33	46.97
	T15CA010	10.60	2.98	5.41	1.69	0.00	0.00	15.71	36.39	13.25	3.05	7.07	2.21	0.00	0.00	21.26	46.84
	T15CA011	12.26	3.44	5.41	1.69	0.00	0.00	18.16	40.96	15.32	3.52	7.07	2.21	0.00	0.00	24.57	52.69
	T15CA012	15.02	4.22	6.55	2.05	0.00	0.00	22.25	50.09	18.78	4.32	8.57	2.68	0.00	0.00	30.12	64.47
	T15CA013	16.40	4.61	7.04	2.21	0.00	0.00	24.29	54.55	20.50	4.71	9.21	2.88	0.00	0.00	32.88	70.18
	T15CA014	18.87	5.30	7.04	2.21	0.00	0.00	27.95	61.37	23.58	5.42	9.21	2.88	0.00	0.00	37.83	78.92
	T15CA015	24.63	6.29	10.97	2.67	0.00	0.00	28.51	73.07	30.79	6.45	14.35	3.50	0.00	0.00	39.18	94.27
	T15CA016	21.22	5.42	9.34	2.27	0.00	0.00	24.56	62.81	26.52	5.56	12.21	2.97	0.00	0.00	33.75	81.01
	T15CA017	28.20	7.20	12.12	2.95	0.00	0.00	32.64	83.11	35.24	7.38	15.85	3.86	0.00	0.00	44.85	107.18
	T15CA018	33.64	9.22	17.04	3.56	0.00	0.00	40.29	103.75	40.37	9.40	22.28	4.65	0.00	0.00	52.76	129.46
	T15CA019	58.51	16.04	25.23	5.27	0.00	0.00	70.07	175.12	70.21	16.35	32.99	6.89	0.00	0.00	91.77	218.21
	T15CS001	3.84	1.08	2.06	0.65	0.00	0.00	5.68	13.31	4.80	1.10	2.70	0.85	0.00	0.00	7.69	17.14
	T15CS002	5.28	1.48	2.69	0.84	0.00	0.00	7.82	18.11	6.60	1.52	3.51	1.10	0.00	0.00	10.59	23.32
	T15CS003	5.53	1.55	2.69	0.84	0.00	0.00	8.19	18.80	6.91	1.59	3.51	1.10	0.00	0.00	11.08	24.19
	T15FI001	4.50	1.26	2.29	0.72	0.00	0.00	6.66	15.43	5.62	1.29	3.00	0.94	0.00	0.00	9.02	19.87
	T15FI002	5.41	1.52	2.75	0.86	0.00	0.00	8.02	18.56	6.77	1.56	3.60	1.13	0.00	0.00	10.85	23.91
	T15FI003	7.82	2.20	3.51	1.10	0.00	0.00	11.59	26.22	9.78	2.25	4.58	1.44	0.00	0.00	15.68	33.73
	T15FI004	8.71	2.45	4.00	1.25	0.00	0.00	12.90	29.31	10.89	2.50	5.23	1.64	0.00	0.00	17.46	37.72
	T15FI008	18.62	5.23	7.44	2.33	0.00	0.00	27.58	61.20	23.28	5.35	9.72	3.05	0.00	0.00	37.34	78.74
	T15FI010	25.47	6.50	11.14	2.71	0.00	0.00	29.48	75.30	31.83	6.67	14.57	3.55	0.00	0.00	40.51	97.13
	T15FI012	32.59	8.94	15.56	3.25	0.00	0.00	39.03	99.37	39.11	9.11	20.35	4.25	0.00	0.00	51.12	123.94
	T15FI013	39.82	10.92	17.20	3.59	0.00	0.00	47.69	119.22	47.79	11.13	22.49	4.70	0.00	0.00	62.46	148.57
	T15ID001	4.43	1.24	2.29	0.72	0.00	0.00	6.56	15.24	5.54	1.27	3.00	0.94	0.00	0.00	8.88	19.63
	T15ID002	5.71	1.60	2.62	0.82	0.00	0.00	8.45	19.20	7.13	1.64	3.43	1.07	0.00	0.00	11.44	24.71
	T15ID003	8.00	2.25	3.60	1.13	0.00	0.00	11.86	26.84	10.01	2.30	4.71	1.48	0.00	0.00	16.05	34.55
	T15ID004	9.83	2.76	4.59	1.44	0.00	0.00	14.56	33.18	12.29	2.83	6.00	1.88	0.00	0.00	19.71	42.71
	T15ID005	15.60	4.38	7.37	2.31	0.00	0.00	23.11	52.77	19.50	4.48	9.64	3.02	0.00	0.00	31.27	67.91
	T15ID006	22.70	5.80	10.48	2.55	0.00	0.00	26.27	67.80	28.37	5.94	13.71	3.34	0.00	0.00	36.10	87.46
	T15ID008	31.60	8.66	17.04	3.56	0.00	0.00	37.84	98.70	37.92	8.83	22.28	4.65	0.00	0.00	49.56	123.24
	T15JD001	3.57	1.00	1.97	0.62	0.00	0.00	5.30	12.46	4.47	1.03	2.57	0.81	0.00	0.00	7.17	16.05
	T15JD002	3.98	1.12	2.29	0.72	0.00	0.00	5.89	14.00	4.97	1.14	3.00	0.94	0.00	0.00	7.98	18.03
	T15JD003	4.60	1.29	2.62	0.82	0.00	0.00	6.82	16.15	5.75	1.32	3.43	1.07	0.00	0.00	9.22	20.79
	T15JD004	5.17	1.45	2.95	0.92	0.00	0.00	7.66	18.15	6.46	1.49	3.86	1.21	0.00	0.00	10.37	23.39
	T15JD005	7.68	2.16	3.93	1.23	0.00	0.00	11.38	26.38	9.60	2.21	5.14	1.61	0.00	0.00	15.40	33.96

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	T15JD006	7.90	2.22	3.93	1.23	0.00	0.00	11.71	26.99	9.88	2.27	5.14	1.61	0.00	0.00	15.85	34.75
	T15JD007	10.24	2.88	5.41	1.69	0.00	0.00	15.17	35.39	12.80	2.94	7.07	2.21	0.00	0.00	20.53	45.55
	T15JD008	11.29	3.17	5.41	1.69	0.00	0.00	16.72	38.28	14.11	3.25	7.07	2.21	0.00	0.00	22.63	49.27
	T15KM001	4.34	1.22	2.29	0.72	0.00	0.00	6.43	15.00	5.42	1.25	3.00	0.94	0.00	0.00	8.70	19.31
	T15KM002	4.85	1.36	2.46	0.77	0.00	0.00	7.18	16.62	6.06	1.39	3.21	1.01	0.00	0.00	9.72	21.39
	T15KM003	8.82	2.48	4.26	1.33	0.00	0.00	13.06	29.95	11.02	2.53	5.57	1.74	0.00	0.00	17.68	38.54
	T15KM004	11.32	3.18	4.59	1.44	0.00	0.00	16.78	37.31	14.16	3.26	6.00	1.88	0.00	0.00	22.71	48.01
	T15KM005	12.18	3.42	5.90	1.85	0.00	0.00	18.04	41.39	15.22	3.50	7.71	2.42	0.00	0.00	24.41	53.26
	T15KM006	17.66	4.96	6.72	2.10	0.00	0.00	26.16	57.60	22.08	5.08	8.78	2.75	0.00	0.00	35.41	74.10
	T15KM007	18.27	5.13	7.37	2.31	0.00	0.00	27.07	60.15	22.84	5.25	9.64	3.02	0.00	0.00	36.63	77.38
	T15KM008	24.57	6.28	10.48	2.55	0.00	0.00	28.44	72.32	30.72	6.44	13.71	3.34	0.00	0.00	39.09	93.30
	T15KM009	33.52	8.56	13.24	3.22	0.00	0.00	38.80	97.34	41.90	8.78	17.31	4.22	0.00	0.00	53.32	125.53
	T15KM010	37.22	10.21	17.20	3.59	0.00	0.00	44.57	112.79	44.66	10.40	22.49	4.70	0.00	0.00	58.37	140.62
	T15KM011	62.66	17.18	25.23	5.27	0.00	0.00	75.04	185.38	75.19	17.51	32.99	6.89	0.00	0.00	98.28	230.86
T20																	
	T20CA001	17.52	4.27	6.35	1.55	3.17	0.41	11.25	44.52	21.90	4.38	8.29	2.02	6.65	0.87	15.23	59.34
	T20CA002	24.25	6.13	9.37	2.28	8.26	1.08	15.66	67.03	30.32	6.30	12.24	2.98	17.30	2.26	21.21	92.61
	T20CA003	37.01	9.43	13.61	3.31	9.88	1.29	23.93	98.46	46.26	9.69	17.77	4.33	20.70	2.70	32.40	133.85
	T20MC001	27.34	6.89	10.13	2.47	7.12	0.93	17.65	72.53	34.18	7.08	13.23	3.22	14.46	1.89	23.89	97.95
	T20MC002	46.54	12.82	17.30	4.21	19.35	2.53	30.49	133.24	58.17	13.18	22.58	5.50	39.28	5.13	41.28	185.12
T25																	
	T25JD001	1.72	0.36	1.60	0.39	0.47	0.06	1.30	5.90								
	T25JD002	1.90	0.39	1.94	0.47	0.42	0.05	1.43	6.60								
	T25JD003	2.17	0.44	2.18	0.53	0.42	0.05	1.63	7.42								
	T25JD004	2.46	0.49	2.63	0.64	0.35	0.05	1.84	8.46								
T30																	
	T30DW001	0.34	0.08	0.62	0.15	0.04	0.01	0.35	1.59	0.41	0.08	0.82	0.20	0.05	0.01	0.48	2.05
	T30DW002	1.41	0.30	1.38	0.34	0.05	0.01	1.45	4.94	1.74	0.31	1.81	0.44	0.08	0.01	1.98	6.37
	T30DW003	3.13	0.66	1.93	0.47	0.08	0.01	3.21	9.49	3.86	0.68	2.54	0.62	0.11	0.01	4.39	12.21
	T30DW004	1.78	0.38	2.07	0.50	0.08	0.01	1.83	6.65	2.20	0.39	2.72	0.66	0.11	0.01	2.50	8.59
	T30DW005	2.50	0.53	1.30	0.32	0.08	0.01	2.56	7.30	3.07	0.55	1.70	0.41	0.11	0.01	3.50	9.35
	T30DW006	3.86	0.84	1.75	0.43	0.28	0.04	3.97	11.17	4.76	0.86	2.29	0.56	0.40	0.05	5.44	14.36
	T30DW007	4.11	0.89	1.94	0.47	0.28	0.04	4.23	11.96	5.06	0.92	2.53	0.62	0.40	0.05	5.78	15.36
	T30DW008	4.81	1.04	1.94	0.47	0.28	0.04	4.94	13.52	5.92	1.07	2.53	0.62	0.40	0.05	6.76	17.35
	T30DW009	5.25	1.13	2.24	0.55	0.28	0.04	5.39	14.88	6.47	1.16	2.92	0.71	0.40	0.05	7.38	19.09
	T30VE001	0.76	0.16	1.24	0.30	0.00	0.00	0.77	3.23	0.93	0.16	1.63	0.40	0.00	0.00	1.06	4.18
	T30VE002	2.42	0.53	1.06	0.26	0.20	0.03	2.49	6.99	2.97	0.55	1.38	0.34	0.27	0.04	3.41	8.96
	T30VE003	4.17	0.90	1.63	0.40	0.25	0.03	4.29	11.67	5.14	0.93	2.13	0.52	0.32	0.04	5.87	14.95
	T30VE004	4.78	1.03	1.60	0.39	0.25	0.03	4.91	12.99	5.89	1.06	2.09	0.51	0.32	0.04	6.72	16.63
	T30VE005	9.47	1.99	3.42	0.83	0.00	0.00	9.68	25.39	11.66	2.04	4.46	1.09	0.00	0.00	13.23	32.48
	T30VE006	17.06	3.58	5.29	1.29	0.00	0.00	17.43	44.65	21.00	3.68	6.91	1.68	0.00	0.00	23.84	57.11
T35																	

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	T35BG001	12.64	3.23	3.02	0.74	0.00	0.00	12.91	32.54	15.80	3.31	3.95	0.96	0.00	0.00	17.93	41.95
	T35BG002	18.29	4.67	4.84	1.18	0.00	0.00	18.67	47.65	22.86	4.79	6.32	1.54	0.00	0.00	25.94	61.45
	T35BG003	24.16	6.17	4.84	1.18	0.00	0.00	24.67	61.02	30.20	6.33	6.32	1.54	0.00	0.00	34.27	78.66
	T35CT002	20.33	5.19	4.23	1.03	0.00	0.00	20.76	51.54	25.41	5.32	5.53	1.35	0.00	0.00	28.84	66.45
	T35CT003	22.86	5.84	5.59	1.36	0.00	0.00	23.35	59.00	28.58	5.99	7.30	1.78	0.00	0.00	32.43	76.08
	T35CT004	21.51	5.49	3.08	0.75	0.00	0.00	21.97	52.80	26.89	5.63	4.03	0.98	0.00	0.00	30.52	68.05
	T35CT007	22.53	5.76	3.08	0.75	0.00	0.00	23.01	55.13	28.17	5.90	4.03	0.98	0.00	0.00	31.97	71.05
	T35CT009	33.59	8.58	4.54	1.10	0.00	0.00	34.30	82.11	41.99	8.80	5.92	1.44	0.00	0.00	47.66	105.81
	T35CT011	39.63	10.12	5.29	1.29	0.00	0.00	40.47	96.80	49.53	10.38	6.91	1.68	0.00	0.00	56.22	124.72
T40																	
	T40WL001	9.55	2.00	4.23	1.18	0.00	0.00	7.71	24.67								
	T40XX001	3.21	0.67	0.00	0.20	0.00	0.00	2.96	7.04								
	T40XX002	5.03	1.05	0.00	0.25	0.00	0.00	4.64	10.97								
	T40XX003	5.26	1.10	0.00	0.25	0.00	0.00	4.85	11.46								
	T40XX004	5.90	1.24	0.00	0.30	0.00	0.00	5.44	12.88								
	T40XX005	7.11	1.49	0.00	0.35	0.00	0.00	6.56	15.51								
	T40XX006	8.36	1.75	0.00	0.40	0.00	0.00	7.71	18.22								
	T40XX007	0.74	0.15	0.00	0.09	0.00	0.00	0.60	1.58	0.91	0.16	0.00	0.09	0.00	0.00	0.84	2.00
	T40XX008	1.17	0.24	0.00	0.09	0.00	0.00	0.94	2.44	1.44	0.25	0.00	0.09	0.00	0.00	1.32	3.10
	T40XX009	1.18	0.25	0.00	0.09	0.00	0.00	0.95	2.47	1.45	0.25	0.00	0.09	0.00	0.00	1.34	3.13
	T40XX010	1.20	0.25	0.00	0.09	0.00	0.00	0.97	2.51	1.47	0.26	0.00	0.09	0.00	0.00	1.36	3.18
	T40XX011	0.24	0.05	0.00	0.00	0.00	0.00	0.16	0.45								
	T40XX012	0.25	0.05	0.00	0.00	0.00	0.00	0.17	0.47								
	T40XX013	0.26	0.05	0.00	0.00	0.00	0.00	0.18	0.49								
	T40XX014	0.27	0.06	0.00	0.00	0.00	0.00	0.19	0.52								
	T40XX015	0.30	0.06	0.00	0.00	0.00	0.00	0.21	0.57								
	T40XX016	0.33	0.07	0.00	0.00	0.00	0.00	0.23	0.63								
	T40XX017	0.36	0.07	0.00	0.00	0.00	0.00	0.25	0.68								
	T40XX018	0.38	0.08	0.00	0.00	0.00	0.00	0.26	0.72								
	T40XX019	0.41	0.09	0.00	0.00	0.00	0.00	0.28	0.78								
	T40XX020	0.43	0.09	0.00	0.00	0.00	0.00	0.30	0.82								
	T40XX021	0.38	0.08	0.00	0.00	0.00	0.00	0.27	0.73								
	T40XX022	0.45	0.09	0.00	0.00	0.00	0.00	0.31	0.85								
	T40XX023	0.28	0.06	0.00	0.09	0.00	0.00	0.23	0.66								
	T40XX024	0.33	0.07	0.00	0.09	0.00	0.00	0.27	0.76								
	T40XX025	0.91	0.19	0.00	0.09	0.00	0.00	0.73	1.92								
	T40XX026	1.02	0.21	0.00	0.09	0.00	0.00	0.83	2.15								
	T40XX027	3.40	0.65	0.00	0.13	0.00	0.00	2.59	6.77								
	T40XX028	3.45	0.66	0.00	0.13	0.00	0.00	2.63	6.87								
	T40XX029	3.49	0.67	0.00	0.13	0.00	0.00	2.65	6.94								
	T40XX030	3.54	0.68	0.00	0.13	0.00	0.00	2.69	7.04								
	T40XX031	1.43	0.30	0.00	0.00	0.00	0.00	0.99	2.72								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	T40XX032	1.50	0.31	0.00	0.00	0.00	0.00	1.04	2.85								
	T40XX033	1.60	0.33	0.00	0.00	0.00	0.00	1.11	3.04								
T45																	
	T45HA001	2.16	0.56	0.00	0.50	0.14	0.02	2.01	5.39								
	T45HA002	2.61	0.68	0.00	0.60	0.14	0.02	2.43	6.48								
	T45HA003	3.49	0.90	0.00	0.70	0.18	0.02	3.24	8.53								
	T45WR001	2.37	0.81	0.00	0.00	0.64	0.08	2.25	6.15								
	T45WR002	3.40	1.13	0.00	0.00	0.64	0.08	3.20	8.45								
	T45WR003	3.00	1.01	0.00	0.00	0.64	0.08	2.84	7.57								
	T45WR004	3.13	1.05	0.00	0.00	0.64	0.08	2.95	7.85								
	T45WR005	2.60	0.88	0.00	0.00	0.64	0.08	2.47	6.67								
	T45XX001	2.42	0.62	0.00	0.09	0.64	0.08	1.87	5.72	3.02	0.64	0.00	0.09	0.77	0.10	2.66	7.28
	T45XX002	2.91	0.73	0.00	0.09	0.64	0.08	2.24	6.69	3.64	0.75	0.00	0.09	0.77	0.10	3.20	8.55
	T45XX003	2.94	0.74	0.00	0.09	0.64	0.08	2.26	6.75	3.68	0.76	0.00	0.09	0.77	0.10	3.23	8.63
	T45XX004	3.45	0.88	0.00	0.09	0.90	0.12	2.66	8.10	4.32	0.91	0.00	0.09	1.09	0.14	3.80	10.35
	T45XX005	4.28	1.04	0.00	0.09	0.53	0.07	3.28	9.29	5.35	1.07	0.00	0.09	0.64	0.08	4.68	11.91
	T45XX006	8.15	2.21	0.00	0.09	3.63	0.47	6.34	20.89	10.18	2.27	0.00	0.09	4.37	0.57	9.06	26.54
	T45XX007	9.17	2.45	0.00	0.09	3.63	0.47	7.13	22.94	11.47	2.52	0.00	0.09	4.37	0.57	10.18	29.20
	T45XX008	3.29	0.82	0.00	0.09	0.64	0.08	2.35	7.27	4.11	0.84	0.00	0.09	0.77	0.10	3.38	9.29
	T45XX009	2.32	0.50	0.00	0.11	0.64	0.08	1.54	5.19								
	T45XX010	2.34	0.51	0.00	0.11	0.64	0.08	1.55	5.23								
	T45XX011	1.49	0.53	0.00	0.09	0.57	0.07	1.03	3.78								
	T45XX012	1.68	0.59	0.00	0.09	0.62	0.08	1.15	4.21								
	T45XX013	1.84	0.65	0.00	0.09	0.64	0.08	1.26	4.56								
	T45XX014	2.07	0.74	0.00	0.13	0.86	0.11	1.43	5.34								
	T45XX015	2.15	0.78	0.00	0.13	0.93	0.12	1.49	5.60								
	T45XX016	2.52	0.89	0.00	0.13	0.96	0.13	1.73	6.36								
	T45XX017	2.62	0.96	0.00	0.13	1.30	0.17	1.83	7.01								
	T45XX018	3.29	1.17	0.00	0.13	1.30	0.17	2.27	8.33								
	T45XX019	3.41	1.21	0.00	0.13	1.30	0.17	2.35	8.57								
	T45XX020	3.99	1.39	0.00	0.17	1.28	0.17	2.73	9.73								
	T45XX021	4.23	1.49	0.00	0.17	1.56	0.20	2.91	10.56								
	T45XX022	4.74	1.67	0.00	0.17	1.74	0.23	3.25	11.80								
	T45XX023	5.33	1.94	0.00	0.17	2.47	0.32	3.70	13.93								
	T45XX024	1.24	0.46	0.00	0.09	0.64	0.08	0.87	3.38								
	T45XX025	1.15	0.43	0.00	0.09	0.64	0.08	0.81	3.20								
	T45XX026	0.78	0.28	0.00	0.10	0.36	0.05	0.54	2.11								
	T45XX027	0.85	0.33	0.00	0.10	0.54	0.07	0.60	2.49								
	T45XX028	0.93	0.35	0.00	0.10	0.58	0.08	0.65	2.69								
	T45XX029	2.51	0.82	1.91	0.40	0.32	0.04	2.01	8.01								
	T45XX030	2.54	0.86	1.91	0.40	0.64	0.08	2.06	8.49								
	T45XX031	2.66	0.90	1.91	0.40	0.64	0.08	2.16	8.75								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
T50																	
	T50FO001	1.21	0.26	2.26	0.55	0.19	0.02	1.06	5.55	1.55	0.27	2.96	0.72	0.23	0.03	1.45	7.21
	T50FO002	1.43	0.30	2.26	0.55	0.22	0.03	1.25	6.04	1.82	0.31	2.96	0.72	0.29	0.04	1.70	7.84
	T50FO003	1.31	0.28	2.26	0.55	0.25	0.03	1.15	5.83	1.67	0.29	2.96	0.72	0.31	0.04	1.57	7.56
	T50FO004	1.62	0.35	2.26	0.55	0.30	0.04	1.42	6.54	2.06	0.36	2.96	0.72	0.39	0.05	1.94	8.48
	T50FO005	1.51	0.33	2.26	0.55	0.40	0.05	1.33	6.43	1.92	0.34	2.96	0.72	0.51	0.07	1.82	8.34
	T50FO006	2.38	0.58	6.08	1.59	0.51	0.07	1.95	13.16	2.93	0.60	8.11	2.12	0.65	0.08	2.58	17.07
	T50FO007	2.59	0.63	4.52	1.02	0.51	0.07	2.11	11.45	3.19	0.65	5.87	1.33	0.65	0.08	2.80	14.57
	T50FO008	2.58	0.63	6.08	1.59	0.51	0.07	2.10	13.56	3.17	0.64	8.11	2.12	0.65	0.08	2.79	17.56
	T50FO009	3.02	0.73	4.52	1.02	0.51	0.07	2.46	12.33	3.72	0.75	5.87	1.33	0.65	0.08	3.26	15.66
	T50FO010	2.78	0.68	7.90	2.06	0.59	0.08	2.27	16.36	3.42	0.70	10.53	2.75	0.74	0.10	3.01	21.25
	T50FO011	3.27	0.82	4.45	1.01	1.01	0.13	2.68	13.37	4.02	0.84	5.79	1.31	1.29	0.17	3.56	16.98
	T50FO012	4.94	1.10	11.41	3.18	1.03	0.13	3.77	25.56	6.09	1.13	14.70	4.09	1.33	0.17	5.36	32.87
	T50FO013	6.53	1.44	7.12	1.74	1.26	0.16	4.98	23.23	8.04	1.49	9.16	2.23	1.63	0.21	7.07	29.83
	T50FO014	6.94	1.53	7.12	1.74	1.31	0.17	5.29	24.10	8.54	1.58	9.16	2.23	1.68	0.22	7.51	30.92
	T50FO015	6.42	1.43	7.12	1.74	1.31	0.17	4.90	23.09	7.90	1.47	9.16	2.23	1.68	0.22	6.96	29.62
	T50FO016	5.72	1.28	6.38	1.55	1.31	0.17	4.37	20.78	7.04	1.31	8.20	2.00	1.68	0.22	6.20	26.65
	T50FO017	9.01	1.99	8.90	2.17	1.77	0.23	6.87	30.94	11.09	2.05	11.45	2.79	2.29	0.30	9.76	39.73
	T50FO018	9.50	2.11	7.12	1.74	1.90	0.25	7.24	29.86	11.69	2.17	9.16	2.23	2.44	0.32	10.29	38.30
	T50FO019	8.82	1.96	10.39	2.53	1.90	0.25	6.73	32.58	10.85	2.02	13.36	3.25	2.44	0.32	9.56	41.80
	T50FO020	10.58	2.31	11.87	2.89	1.58	0.21	8.04	37.48	13.02	2.38	15.26	3.72	2.04	0.27	11.43	48.12
	T50GM001	0.99	0.21	1.52	0.37	0.20	0.03	0.87	4.19	1.25	0.22	1.99	0.48	0.25	0.03	1.18	5.40
	T50GM002	1.19	0.25	1.52	0.37	0.20	0.03	1.04	4.60	1.51	0.26	1.99	0.48	0.25	0.03	1.42	5.94
	T50GM003	1.16	0.25	2.47	0.60	0.20	0.03	1.02	5.73	1.47	0.26	3.24	0.79	0.25	0.03	1.38	7.42
	T50GM004	1.66	0.35	2.72	0.66	0.20	0.03	1.45	7.07	2.11	0.36	3.57	0.87	0.25	0.03	1.97	9.16
	T50GM005	1.84	0.39	2.72	0.66	0.23	0.03	1.60	7.47	2.34	0.40	3.57	0.87	0.30	0.04	2.19	9.71
	T50GM006	1.29	0.28	4.04	0.98	0.23	0.03	1.13	7.98	1.64	0.29	5.30	1.29	0.29	0.04	1.54	10.39
	T50GM007	1.50	0.32	4.04	0.98	0.27	0.04	1.32	8.47	1.91	0.33	5.30	1.29	0.35	0.05	1.79	11.02
	T50GM008	1.36	0.29	4.04	0.98	0.23	0.03	1.19	8.12	1.73	0.30	5.30	1.29	0.29	0.04	1.62	10.57
	T50GM009	1.58	0.34	4.04	0.98	0.27	0.04	1.38	8.63	2.01	0.35	5.30	1.29	0.35	0.05	1.88	11.23
	T50GM010	2.04	0.50	6.04	1.58	0.51	0.07	1.67	12.41	2.51	0.52	8.06	2.10	0.65	0.08	2.22	16.14
	T50GM011	2.42	0.59	6.04	1.58	0.51	0.07	1.98	13.19	2.98	0.61	8.06	2.10	0.65	0.08	2.63	17.11
	T50GM012	2.70	0.66	3.60	0.82	0.51	0.07	2.20	10.56	3.32	0.67	4.69	1.06	0.65	0.08	2.92	13.39
	T50GM013	2.40	0.59	7.42	1.94	0.59	0.08	1.97	14.99	2.96	0.61	9.89	2.58	0.74	0.10	2.61	19.49
	T50GM014	2.75	0.68	3.60	0.82	0.74	0.10	2.25	10.94	3.38	0.70	4.69	1.06	0.94	0.12	2.99	13.88
	T50GM015	3.77	0.87	10.71	2.98	1.29	0.17	2.89	22.68	4.64	0.89	13.80	3.84	1.67	0.22	4.11	29.17
	T50GM016	4.27	0.97	6.08	1.48	1.29	0.17	3.27	17.53	5.26	1.00	7.82	1.91	1.67	0.22	4.65	22.53
	T50IT001	1.96	0.47	3.29	0.74	0.32	0.04	1.60	8.42	2.42	0.49	4.27	0.97	0.41	0.05	2.12	10.73
	T50IT002	2.34	0.56	3.50	0.79	0.32	0 04	1.90	9.45	2.88	0.57	4.55	1.03	0.41	0.05	2.52	12.01
	T50IT003	2.75	0.67	3.82	0.86	0.51	0.07	2.24	10.92	3.39	0.69	4.96	1.12	0.65	0.08	2.98	13.87
	T50IT004	5.09	1.14	6.33	1.55	1.29	0.17	3.89	19.51	6.26	1.18	8.20	2.00	1.67	0.22	5.53	25.06
	T50IT005	7.37	1.62	7.12	1.74	1.29	0.17	5.61	24.92	9.07	1.67	9.16	2.23	1.67	0.22	7.97	31.99

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	T50IT006	8.11	1.78	7.12	1.74	1.29	0.17	6.17	26.38	9.98	1.83	9.16	2.23	1.67	0.22	8.76	33.85
	T50IT007	10.02	2.18	7.12	1.74	1.29	0.17	7.61	30.13	12.34	2.24	9.16	2.23	1.67	0.22	10.81	38.67
	T50KE001	8.66	1.83	8.01	1.95	0.25	0.03	6.54	27.27	10.66	1.88	10.30	2.51	0.32	0.04	9.29	35.00
	T50KE002	9.47	2.00	8.01	1.95	0.25	0.03	7.15	28.86	11.65	2.06	10.30	2.51	0.32	0.04	10.15	37.03
	T50KE003	9.43	2.00	8.01	1.95	0.43	0.06	7.13	29.01	11.61	2.06	10.30	2.51	0.56	0.07	10.12	37.23
	T50KE004	9.70	2.06	8.01	1.95	0.43	0.06	7.33	29.54	11.94	2.12	10.30	2.51	0.56	0.07	10.41	37.91
	T50KE005	9.92	2.10	8.01	1.95	0.43	0.06	7.50	29.97	12.21	2.17	10.30	2.51	0.56	0.07	10.65	38.47
	T50MT001	7.17	1.54	8.16	1.99	0.57	0.07	5.43	24.93	8.83	1.59	10.49	2.56	0.72	0.09	7.72	32.00
	T50MT002	7.88	1.69	8.90	2.17	0.57	0.07	5.97	27.25	9.70	1.74	11.45	2.79	0.72	0.09	8.48	34.97
	T50MT003	7.89	1.69	8.90	2.17	0.57	0.07	5.98	27.27	9.71	1.74	11.45	2.79	0.72	0.09	8.49	34.99
	T50MT004	8.79	1.90	8.90	2.17	0.90	0.12	6.66	29.44	10.81	1.95	11.45	2.79	1.15	0.15	9.47	37.77
	T50MT005	8.44	1.82	8.16	1.99	0.90	0.12	6.40	27.83	10.39	1.88	10.49	2.56	1.15	0.15	9.09	35.71
	T50MT006	8.91	1.92	8.90	2.17	0.90	0.12	6.75	29.67	10.96	1.98	11.45	2.79	1.15	0.15	9.60	38.08
	T50MT007	9.38	2.02	8.16	1.99	0.90	0.12	7.11	29.68	11.54	2.08	10.49	2.56	1.15	0.15	10.10	38.07
	T50MT008	9.88	2.13	8.16	1.99	0.90	0.12	7.49	30.67	12.16	2.19	10.49	2.56	1.15	0.15	10.63	39.33
	T50MT009	12.53	2.68	11.87	2.89	0.91	0.12	9.48	40.48	15.42	2.75	15.26	3.72	1.19	0.16	13.47	51.97
	T50MT010	13.94	2.97	11.87	2.89	0.91	0.12	10.55	43.25	17.16	3.06	15.26	3.72	1.19	0.16	14.98	55.53
	T50PE001	6.60	1.45	7.42	1.81	1.06	0.14	5.02	23.50	8.13	1.49	9.54	2.32	1.36	0.18	7.14	30.16
	T50PE002	8.02	1.79	8.46	2.06	1.84	0.24	6.13	28.54	9.87	1.84	10.88	2.65	2.37	0.31	8.70	36.62
	T50PE003	9.68	2.14	8.90	2.17	1.84	0.24	7.38	32.35	11.92	2.20	11.45	2.79	2.37	0.31	10.48	41.52
	T50PE004	9.96	2.20	9.35	2.28	1.84	0.24	7.59	33.46	12.26	2.26	12.02	2.93	2.37	0.31	10.78	42.93
	T50PE005	9.31	2.06	8.46	2.06	1.84	0.24	7.10	31.07	11.46	2.12	10.88	2.65	2.37	0.31	10.08	39.87
T55																	
	T55CA001	25.01	7.26	8.32	2.46	7.34	0.96	16.38	67.73	30.01	7.39	10.96	3.24	12.24	1.60	22.93	88.37
	T55CA002	33.54	9.92	12.01	3.55	13.25	1.73	22.04	96.04	40.25	10.10	15.83	4.68	22.08	2.88	30.85	126.67
	T55CA003	48.44	14.87	16.08	4.76	20.93	2.73	32.02	139.83	58.13	15.15	21.19	6.27	34.89	4.55	44.83	185.01
	T55CA004	21.61	6.38	8.32	2.46	6.02	0.79	14.20	59.78	25.93	6.50	10.96	3.24	10.04	1.31	19.88	77.86
	T55CA005	30.21	9.33	12.01	3.55	13.71	1.79	19.99	90.59	36.25	9.50	15.83	4.68	22.86	2.98	27.99	120.09
	T55CA006	41.01	12.84	16.08	4.76	20.93	2.73	27.20	125.55	49.22	13.08	21.19	6.27	34.89	4.55	38.08	167.28
	T55DJ001	17.55	5.13	4.80	1.42	5.45	0.71	11.51	46.57	21.06	5.23	6.33	1.87	8.93	1.17	16.12	60.71
	T55DJ002	16.18	4.67	4.03	1.19	4.22	0.55	10.59	41.43	19.42	4.75	5.31	1.57	7.04	0.92	14.82	53.83
	T55DJ003	20.38	6.03	5.27	1.56	7.63	1.00	13.39	55.26	24.45	6.15	6.94	2.05	12.50	1.63	18.75	72.47
	T55DJ004	19.68	5.74	4.80	1.42	6.41	0.84	12.90	51.79	23.61	5.85	6.33	1.87	10.68	1.39	18.06	67.79
	T55DJ005	23.65	7.03	5.27	1.56	10.02	1.31	15.55	64.39	28.38	7.16	6.94	2.05	16.71	2.18	21.77	85.19
	T55DJ007	25.93	7.79	7.11	2.10	12.73	1.66	17.08	74.40	31.12	7.93	9.38	2.77	21.31	2.78	23.91	99.20
	T55DJ010	24.98	7.21	5.27	1.56	6.18	0.81	16.35	62.36	29.98	7.35	6.94	2.05	10.13	1.32	22.89	80.66
	T55DJ011	27.29	7.87	7.11	2.10	6.66	0.87	17.86	69.76	32.74	8.02	9.38	2.77	10.90	1.42	25.00	90.23
	T55EU001	15.95	4.62	4.25	1.26	3.26	0.43	10.45	40.22	19.14	4.71	5.60	1.66	5.43	0.71	14.63	51.88
	T55EU002	26.16	7.57	8.32	2.46	7.34	0.96	17.13	69.94	31.39	7.71	10.96	3.24	12.24	1.60	23.98	91.12
	T55EU003	37.11	10.90	12.47	3.69	13.25	1.73	24.36	103.51	44.53	11.10	16.44	4.86	22.08	2.88	34.10	135.99
	T55EU004	43.96	13.50	17.09	5.06	19.06	2.49	29.06	130.22	52.75	13.76	22.53	6.67	31.77	4.15	40.69	172.32
	T55TE001	16.17	4.66	4.14	1.22	4.86	0.63	10.58	42.26	19.40	4.75	5.46	1.61	8.32	1.09	14.81	55.44

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	T55TE002	17.10	5.07	4.38	1.30	5.76	0.75	11.24	45.60	20.52	5.17	5.77	1.71	9.87	1.29	15.74	60.07
	T55TE003	18.42	5.45	4.77	1.41	6.05	0.79	12.11	49.00	22.11	5.55	6.28	1.86	10.37	1.35	16.95	64.47
	T55TE004	19.79	5.79	5.99	1.77	6.64	0.87	12.98	53.83	23.75	5.90	7.89	2.33	11.08	1.45	18.18	70.58
	T55TE005	23.84	7.12	6.63	1.96	12.40	1.62	15.69	69.26	28.61	7.26	8.75	2.59	21.26	2.77	21.97	93.21
	T55TE006	23.55	7.18	9.24	2.73	13.25	1.73	15.55	73.23	28.26	7.31	12.18	3.60	22.08	2.88	21.77	98.08
	T55TE007	30.49	9.30	11.46	3.39	12.41	1.62	20.13	88.80	36.58	9.48	15.10	4.47	20.68	2.70	28.19	117.20
	T55TE008	44.08	13.42	15.91	4.71	17.59	2.30	29.10	127.11	52.89	13.68	20.97	6.20	29.32	3.83	40.74	167.63
	T55UN001	31.75	10.15	16.63	4.92	19.06	2.49	21.13	106.13	38.10	10.34	21.92	6.49	31.77	4.15	29.58	142.35
	T55UN002	40.44	12.68	22.18	6.56	20.93	2.73	26.82	132.34	48.52	12.92	29.23	8.65	34.89	4.55	37.55	176.31
	T55UN003	46.71	15.83	29.57	8.75	39.85	5.20	31.41	177.32	56.05	16.13	38.98	11.53	66.44	8.67	43.97	241.77
	T55VO001	11.00	3.30	3.44	1.02	4.95	0.65	7.24	31.60	13.20	3.36	4.53	1.34	8.15	1.06	10.14	41.78
	T55VO002	13.82	4.13	4.44	1.31	6.37	0.83	9.10	40.00	16.59	4.21	5.85	1.73	10.67	1.39	12.74	53.18
	T55VO003	15.08	4.43	4.44	1.31	5.43	0.71	9.90	41.30	18.09	4.51	5.85	1.73	9.05	1.18	13.85	54.26
	T55VO004	19.71	5.88	6.02	1.78	8.84	1.15	12.97	56.35	23.65	6.00	7.94	2.35	14.74	1.92	18.16	74.76
	T55WA001	28.42	8.19	8.96	2.65	7.34	0.96	18.60	75.12	34.10	8.35	11.81	3.49	12.24	1.60	26.04	97.63
	T55WA002	35.96	10.77	12.47	3.69	16.69	2.18	23.67	105.43	43.15	10.97	16.44	4.86	27.83	3.63	33.14	140.02
	T55WA003	45.67	14.08	17.19	5.08	20.95	2.73	30.21	135.91	54.80	14.35	22.65	6.70	35.09	4.58	42.29	180.46
	T55WA005	89.76	27.35	24.95	7.38	36.04	4.70	59.26	249.44	107.71	27.87	32.89	9.73	60.08	7.84	82.97	329.09
T57																	
	T57CU001	5.53	1.41	2.30	0.56	0.00	0.00	5.10	14.90								
	T57CU002	6.84	1.75	2.30	0.56	0.00	0.00	6.31	17.76								
	T57CU003	8.59	2.19	3.48	0.85	0.00	0.00	7.93	23.04								
	T57CU004	9.37	2.39	5.35	1.30	0.00	0.00	8.64	27.05								
	T57CU005	12.41	3.17	10.13	2.47	0.00	0.00	11.44	39.62								
T60																	
	T60KI001	10.92	3.54	5.29	1.47	2.62	0.34	8.93	33.11	13.11	3.60	6.91	1.92	3.53	0.46	12.24	41.77
	T60KI002	18.63	6.18	9.98	2.78	5.97	0.78	15.30	59.62	22.36	6.28	13.03	3.63	8.05	1.05	20.98	75.38
	T60KI003	27.14	8.89	13.61	3.79	7.46	0.97	22.22	84.08	32.57	9.03	17.77	4.95	10.05	1.31	30.48	106.16
	T60KI004	27.56	9.01	13.61	3.79	7.46	0.97	22.56	84.96	33.07	9.16	17.77	4.95	10.05	1.31	30.94	107.25
	T60KI005	32.96	10.80	16.63	4.63	9.17	1.20	27.00	102.39	39.56	10.98	21.71	6.05	12.35	1.61	37.03	129.29
	T60KI006	33.30	10.90	16.63	4.63	9.17	1.20	27.27	103.10	39.96	11.09	21.71	6.05	12.35	1.61	37.40	130.17
	T60SO001	21.61	7.08	9.98	2.78	5.97	0.78	17.69	65.89	25.93	7.20	13.03	3.63	8.05	1.05	24.27	83.16
	T60SO002	30.17	9.80	13.61	3.79	7.50	0.98	24.66	90.51	36.20	9.97	17.77	4.95	10.11	1.32	33.82	114.14
	T60SO003	30.69	9.96	13.61	3.79	7.50	0.98	25.08	91.61	36.82	10.13	17.77	4.95	10.11	1.32	34.40	115.50
	T60SO004	37.90	12.38	16.63	4.63	10.12	1.32	31.02	114.00	45.48	12.59	21.71	6.05	13.64	1.78	42.54	143.79
	T60SO005	38.62	12.60	16.63	4.63	10.12	1.32	31.60	115.52	46.34	12.81	21.71	6.05	13.64	1.78	43.33	145.66
T65																	
	T65AS001	15.96	5.08	2.53	0.62	0.43	0.06	15.64	40.32								
	T65AS002	24.17	7.67	4.31	1.05	0.43	0.06	23.68	61.37								
	T65AS003	31.88	10.13	5.59	1.36	0.73	0.10	31.23	81.02								
	T65AS004	40.02	12.70	5.59	1.36	0.73	0.10	39.20	99.70								
	T65AS005	55.43	17.57	12.17	2.97	0.73	0.10	54.28	143.25								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	PCCM	FUEL	POG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	PCCM	FUEL	POG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	T65AS006	64.09	20.33	10.13	2.47	1.06	0.14	62.78	161.00								
	T65AS007	13.25	4.19	5.36	3.83	0.00	0.00	12.97	39.60								
	T65AS008	22.80	7.20	10.72	7.66	0.00	0.00	22.32	70.70								
	T65AS009	90.02	43.33	48.79	28.22	0.00	0.00	68.41	278.77	99.02	43.54	63.43	34.59	0.00	0.00	85.97	326.55
	T65AS010	131.49	63.29	84.49	48.75	0.00	0.00	99.93	427.95	144.63	63.60	109.84	59.78	0.00	0.00	125.58	503.43
	T65AS011	372.95	179.52	190.12	109.70	0.00	0.00	283.44	1135.73	410.25	180.41	247.16	134.51	0.00	0.00	356.19	1328.52
	T65AS012	27.16	7.47	9.60	7.18	0.28	0.04	26.60	78.33								
	T65AS013	17.63	4.85	4.80	3.59	0.22	0.03	17.26	48.38								
	T65AS014	13.86	3.82	4.00	3.24	0.22	0.03	13.58	38.75								
	T65AS015	4.36	1.21	0.00	1.50	0.22	0.03	4.27	11.59								
	T65AS016	49.13	17.54	19.88	11.65	0.00	0.00	48.03	146.23	56.14	17.74	25.84	14.24	0.00	0.00	60.97	174.93
	T65AS017	75.52	26.96	31.92	18.39	0.00	0.00	73.83	226.62	86.31	27.26	41.50	22.55	0.00	0.00	93.72	271.34
	T65AS018	111.16	39.68	35.70	20.53	0.00	0.00	108.68	315.75	127.04	40.13	46.41	25.19	0.00	0.00	137.96	376.73
	T65AS019	110.05	39.29	45.08	26.11	0.00	0.00	107.59	328.12	125.77	39.73	58.60	31.99	0.00	0.00	136.57	392.66
	T65AS020	36.53	9.37	4.26	3.80	0.43	0.06	33.72	88.17								
	T65AS021	44.17	11.32	4.41	4.34	0.43	0.06	40.78	105.51								
	T65AS022	3.18	0.89	0.00	1.50	0.00	0.00	2.55	8.12								
	T65AS023	3.70	1.04	0.00	1.50	0.00	0.00	2.96	9.20								
	T65AS024	5.27	1.51	0.00	2.00	0.33	0.04	4.23	13.38								
	T65AS025	5.39	1.54	0.00	2.00	0.33	0.04	4.33	13.63								
	T65AT001	28.57	10.20	18.06	10.36	0.00	0.00	27.93	95.12	32.65	10.31	23.48	12.71	0.00	0.00	35.45	114.60
	T65AT002	30.83	11.00	18.06	10.36	0.00	0.00	30.14	100.39	35.23	11.13	23.48	12.71	0.00	0.00	38.25	120.80
	T65AT003	41.98	14.99	21.00	12.14	0.00	0.00	41.04	131.15	47.98	15.15	27.30	14.88	0.00	0.00	52.10	157.41
	T65AT004	52.95	18.90	45.15	26.14	0.00	0.00	51.77	194.91	60.51	19.12	58.70	32.03	0.00	0.00	65.71	236.07
	T65AT005	60.56	21.62	25.20	14.46	0.00	0.00	59.21	181.05	69.21	21.86	32.76	17.75	0.00	0.00	75.16	216.74
	T65AT006	90.60	32.34	34.02	19.80	0.00	0.00	88.58	265.34	103.55	32.71	44.23	24.24	0.00	0.00	112.44	317.17
	T65AT007	4.27	1.09	1.75	1.94	0.00	0.00	3.94	12.99								
	T65AT008	5.96	1.52	1.12	1.64	0.00	0.00	5.50	15.74								
	T65BR001	7.68	2.31	4.55	0.00	0.00	0.00	6.64	21.18								
	T65BR002	8.95	2.70	4.55	0.00	0.00	0.00	7.74	23.94								
	T65BR003	8.80	2.65	4.55	0.00	0.00	0.00	7.61	23.61								
	T65BR004	10.38	3.13	4.55	0.00	0.00	0.00	8.98	27.04								
	T65BR005	9.73	2.93	6.06	0.00	0.00	0.00	8.41	27.13								
	T65BR006	11.31	3.41	6.06	0.00	0.00	0.00	9.79	30.57								
	T65BR007	12.92	3.90	12.29	0.00	0.00	0.00	11.18	40.29								
	T65BR008	14.19	4.28	12.29	0.00	0.00	0.00	12.28	43.04								
	T65BR009	14.22	4.29	12.29	0.00	0.00	0.00	12.30	43.10								
	T65BR010	15.17	4.57	12.29	0.00	0.00	0.00	13.12	45.15								
	T65DO001	35.12	12.54	14.70	8.39	0.00	0.00	34.33	105.08	40.13	12.68	19.11	10.31	0.00	0.00	43.58	125.81
	T65DO002	46.80	16.71	18.20	10.42	0.00	0.00	45.75	137.88	53.48	16.89	23.66	12.79	0.00	0.00	58.07	164.89
	T65DO003	76.35	27.26	36.75	21.49	0.00	0.00	74.65	236.50	87.26	27.56	47.78	26.28	0.00	0.00	94.75	283.63
	T65DO004	152.50	54.44	69.65	40.30	0.00	0.00	149.09	465.98	174.29	55.05	90.55	49.39	0.00	0.00	189.25	558.53

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	T65DO005	32.57	11.63	8.40	5.65	0.00	0.00	31.84	90.09	37.22	11.76	10.92	6.75	0.00	0.00	40.42	107.07
	T65DO007	3.82	0.97	3.50	1.87	0.00	0.00	3.52	13.68								
	T65DO008	5.19	1.32	5.25	2.81	0.00	0.00	4.78	19.35								
	T65DR001	25.46	9.09	24.15	14.01	0.00	0.00	24.89	97.60	29.09	9.19	31.40	17.16	0.00	0.00	31.59	118.43
	T65DR002	43.22	15.43	30.80	17.90	0.00	0.00	42.26	149.61	49.40	15.60	40.04	21.92	0.00	0.00	53.64	180.60
	T65DR003	45.81	16.36	48.30	28.01	0.00	0.00	44.79	183.27	52.36	16.54	62.79	34.31	0.00	0.00	56.86	222.86
	T65DR004	38.29	9.78	4.20	3.14	0.00	0.00	35.32	90.73								
	T65DR005	26.80	6.84	3.64	2.93	0.00	0.00	24.72	64.93								
	T65EI001	5.21	1.61	2.23	0.58	0.51	0.07	4.53	14.74								
	T65EI002	9.06	2.81	3.28	0.86	1.03	0.13	7.89	25.06								
	T65EI003	10.06	3.13	4.55	1.19	1.28	0.17	8.76	29.14								
	T65EI004	14.32	4.57	7.57	1.98	3.33	0.43	12.53	44.73								
	T65EI005	16.82	5.83	9.07	2.37	7.15	0.93	14.99	57.16								
	T65EI006	25.57	8.96	10.65	2.78	11.83	1.54	22.84	84.17								
	T65EI007	5.81	1.79	1.64	0.93	0.51	0.07	5.04	15.79								
	T65EI008	8.84	2.74	2.46	1.39	1.03	0.13	7.70	24.29								
	T65EI009	10.05	3.11	3.28	1.86	1.03	0.13	8.74	28.20								
	T65EI010	9.38	2.94	4.55	1.19	1.47	0.19	8.18	27.90								
	T65EI011	8.97	2.82	6.06	1.58	1.47	0.19	7.83	28.92								
	T65EI012	13.51	4.49	9.07	2.37	5.47	0.71	11.92	47.54								
	T65EI013	26.39	8.52	14.74	3.85	7.45	0.97	23.15	85.07								
	T65EI014	4.85	1.27	1.31	0.34	0.40	0.05	4.49	12.71								
	T65EI015	5.74	1.49	2.95	0.77	0.33	0.04	5.31	16.63								
	T65FL001	20.76	5.71	6.40	4.78	0.26	0.03	20.33	58.27								
	T65FL002	14.66	3.76	6.40	4.78	0.19	0.02	13.53	43.34								
	T65FL003	13.87	3.56	6.40	4.78	0.19	0.02	12.81	41.63								
	T65FL004	20.00	5.13	6.40	4.78	0.26	0.03	18.47	55.07								
	T65FL005	8.79	2.26	3.20	2.39	0.22	0.03	8.12	25.01								
	T65FL006	4.69	1.20	1.80	0.47	0.00	0.00	4.32	12.48								
	T65TL001	22.32	5.74	4.44	1.16	0.73	0.10	20.62	55.11								
	T65TL002	15.31	3.96	3.26	0.85	0.73	0.10	14.16	38.37								
	T65TL003	11.83	3.07	3.26	0.85	0.73	0.10	10.95	30.79								
	T65TL004	11.58	3.00	3.26	0.85	0.73	0.10	10.72	30.24								
	T65TL005	8.92	2.32	3.26	0.85	0.73	0.10	8.26	24.44								
	T65VA001	125.61	60.46	87.50	38.06	0.00	0.00	95.46	407.09	138.17	60.76	113.75	49.48	0.00	0.00	119.97	482.13
	T65VA002	203.13	97.78	89.25	38.82	0.00	0.00	154.38	583.36	223.44	98.26	116.03	50.47	0.00	0.00	194.00	682.20
	T65VA003	443.22	213.35	201.95	87.85	0.00	0.00	336.85	1283.22	487.54	214.40	262.54	114.20	0.00	0.00	423.30	1501.98
	T65VA004	38.09	13.60	16.10	7.00	0.00	0.00	37.24	112.03	43.53	13.75	20.93	9.10	0.00	0.00	47.27	134.58
	T65VA005	60.87	21.73	32.55	14.16	0.00	0.00	59.51	188.82	69.57	21.98	42.32	18.41	0.00	0.00	75.54	227.82
	T65VA006	76.13	27.18	32.55	14.16	0.00	0.00	74.42	224.44	87.00	27.48	42.32	18.41	0.00	0.00	94.47	269.68
	T65VA007	111.76	39.89	50.75	22.08	0.00	0.00	109.26	333.74	127.72	40.35	65.98	28.70	0.00	0.00	138.69	401.44
	T65VA008	28.92	10.46	7.00	2.74	5.47	0.71	23.54	78.84								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	T65VA009	49.23	17.10	15.05	5.89	0.00	0.00	39.75	127.02								
	T65WG001	5.12	1.57	1.34	0.35	0.39	0.05	4.45	13.27								
	T65WG002	9.36	2.90	2.69	0.70	1.03	0.13	8.14	24.95								
	T65WG003	16.62	5.26	7.57	1.98	3.33	0.43	14.52	49.71								
	T65WG004	22.14	7.10	9.07	2.37	5.67	0.74	19.40	66.49								
	T65WG005	5.32	1.88	2.10	1.12	0.39	0.05	4.31	15.17								
	T65WG006	9.67	3.44	5.25	2.81	1.03	0.13	7.84	30.17								
	T65WG007	17.21	6.23	12.25	6.55	3.33	0.43	14.01	60.01								
	T65WG008	6.24	1.91	2.69	0.70	0.35	0.05	5.41	17.35								
	T65WG009	11.71	3.61	6.06	1.58	1.01	0.13	10.18	34.28								
	T65WG010	18.65	6.05	9.07	2.37	5.67	0.74	16.38	58.93								
	T65WG011	24.57	8.01	15.56	4.06	8.02	1.05	21.60	82.87								
W10																	
	W10CE001	20.26	6.14	9.98	2.78	9.14	1.19	14.48	63.97	24.32	6.26	13.03	3.63	15.30	2.00	20.05	84.59
	W10CE002	29.44	9.00	13.61	3.79	13.13	1.71	21.07	91.75	35.33	9.17	17.77	4.95	21.21	2.77	29.18	120.38
	W10CE003	44.60	13.74	19.66	5.47	20.81	2.72	31.96	138.96	53.52	14.00	25.66	7.14	34.54	4.51	44.25	183.62
W15																	
	W15CE001	21.48	6.44	9.98	2.78	8.64	1.13	14.15	64.60	25.78	6.56	13.03	3.63	14.47	1.89	19.80	85.16
	W15CE002	29.86	9.35	13.61	3.79	13.03	1.70	19.81	91.15	35.83	9.53	17.77	4.95	21.83	2.85	27.73	120.49
W25																	
	W25AC001	0.60	0.07	1.11	0.23	0.02	0.00	0.76	2.79								
	W25AC002	0.64	0.08	1.11	0.23	0.02	0.00	0.81	2.89								
	W25AC003	0.92	0.11	1.82	0.38	0.02	0.00	1.18	4.43								
	W25AC004	0.98	0.12	1.82	0.38	0.02	0.00	1.25	4.57								
	W25AN001	0.49	0.06	0.48	0.42	0.00	0.00	0.62	2.07								
	W25AN002	0.77	0.09	0.48	0.42	0.00	0.00	0.98	2.74								
	W25AN003	0.59	0.07	1.11	0.23	0.00	0.00	0.75	2.75								
	W25AN004	0.97	0.11	1.11	0.23	0.00	0.00	1.23	3.65								
	W25AO001	0.41	0.05	0.10	0.53	0.00	0.00	0.52	1.61								
	W25AO002	0.46	0.05	0.10	0.78	0.00	0.00	0.59	1.98								
	W25AO003	0.68	0.08	0.10	0.78	0.00	0.00	0.86	2.50								
	W25AO004	0.68	0.08	0.19	1.07	0.00	0.00	0.86	2.88								
	W25AO005	1.43	0.17	0.38	1.63	0.00	0.00	1.82	5.43								
	W25AO006	0.95	0.11	0.10	0.78	0.00	0.00	1.20	3.14								
	W25CD001	3.08	0.36	0.00	0.50	0.00	0.00	3.90	7.84								
	W25CD002	5.12	0.60	0.00	0.75	0.00	0.00	6.50	12.97								
	W25CJ001	16.22	3.40	1.40	0.61	0.00	0.00	18.71	40.34								
	W25CJ002	22.13	4.64	1.68	0.73	0.00	0.00	25.53	54.71								
	W25CJ003	25.69	5.38	1.68	0.73	0.00	0.00	29.64	63.12								
	W25HO001	0.34	0.04	0.40	0.10	0.00	0.00	0.43	1.31								
	W25HO002	0.58	0.07	0.58	0.14	0.00	0.00	0.73	2.10								
	W25NL001	10.25	1.21	19.00	6.61	0.00	0.00	13.00	50.07								

TABLE 2-2. HOURLY RATE ELEMENTS

		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID.NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE RPR	RPR	TOTAL RATE
	W25NL002	12.18	1.99	14.91	3.63	0.00	0.00	16.87	49.58								
	W25NL003	8.24	1.35	6.68	1.63	0.00	0.00	11.42	29.32								
	W25NL004	15.99	2.64	1.78	0.43	0.22	0.03	22.19	43.28								
	W25WE001	4.08	0.67	4.75	2.15	0.05	0.01	5.67	17.38								
	W25WE002	4.44	0.73	7.13	3.23	0.05	0.01	6.17	21.76								
	W25WE003	5.73	0.94	4.05	0.99	0.05	0.01	7.95	19.72								
	W25WE004	6.79	1.12	14.25	6.46	0.05	0.01	9.41	38.09								
	W25WE005	8.26	1.36	7.12	1.74	0.05	0.01	11.45	29.99								
	W25WE006	9.26	1.53	10.68	2.60	0.10	0.01	12.85	37.03								
	W25WE007	10.65	1.76	10.24	2.49	0.13	0.02	14.79	40.08								
W30																	
	W30SO001	2.23	0.70	0.55	0.13	0.22	0.03	1.55	5.41								
	W30SO002	2.68	0.84	0.55	0.13	0.22	0.03	1.86	6.31								
	W30SO003	2.93	0.91	0.55	0.13	0.22	0.03	2.03	6.80								
	W30SO004	1.49	0.45	0.00	0.01	0.00	0.00	0.86	2.81								
	W30SO005	1.66	0.50	0.00	0.01	0.00	0.00	0.96	3.13								
	W30SO006	1.92	0.58	0.00	0.01	0.00	0.00	1.10	3.61								
W35																	
	W35HO001	0.11	0.03	0.60	0.12	0.00	0.00	0.11	0.97								
	W35HO002	0.15	0.04	0.94	0.20	0.00	0.00	0.15	1.48								
	W35XX001	0.66	0.17	1.02	0.21	0.04	0.01	0.66	2.77								
	W35XX002	0.48	0.13	3.33	0.70	0.03	0.00	0.48	5.15								
	W35XX003	0.71	0.18	1.44	0.30	0.04	0.01	0.71	3.39								
	W35XX004	0.51	0.13	3.33	0.70	0.04	0.01	0.51	5.23								
	W35XX005	0.78	0.21	1.44	0.30	0.07	0.01	0.78	3.59								
	W35XX006	0.55	0.15	5.56	1.16	0.04	0.01	0.55	8.02								
	W35XX007	0.84	0.23	2.42	0.51	0.07	0.01	0.85	4.93								
	W35XX008	0.71	0.18	5.90	1.23	0.04	0.01	0.71	8.78								
	W35XX009	0.36	0.06	1.20	0.42	0.00	0.00	0.22	2.26								
	W35XX010	0.43	0.08	1.50	0.52	0.00	0.00	0.26	2.79								
	W35XX011	0.36	0.07	0.60	0.21	0.00	0.00	0.22	1.46								
	W35XX012	0.37	0.07	1.20	0.42	0.00	0.00	0.23	2.29								
	W35XX013	0.16	0.03	1.14	0.40	0.00	0.00	0.10	1.83								
	W35XX014	0.21	0.04	1.44	0.50	0.00	0.00	0.13	2.32								
	W35XX015	0.58	0.10	1.80	0.63	0.00	0.00	0.36	3.47								
	W35XX016	1.01	0.18	2.52	0.88	0.00	0.00	0.62	5.21								
	W35XX017	0.08	0.01	1.14	0.40	0.00	0.00	0.05	1.68								
	W35XX018	0.25	0.05	1.44	0.50	0.00	0.00	0.16	2.40								

This page left blank intentionally

CHAPTER 3

ADJUSTMENTS TO RATES

SECTION I. RATE ADJUSTMENTS

3-1. Contents. This chapter explains the procedures for adjusting the hourly rates shown in TABLE 2-1 which are calculated for a given set of factors. Rate adjustment tables have been developed from equations used to calculate the ownership portion of the rate and standby costs.

3-2. Conditions for Adjustment. These rates shall be adjusted using the guidance in this chapter whenever one or more of the following conditions exist:

a. If difficult conditions are justified by the contract (see paragraph 2-4).

b. If the contractor's equipment is not the same age as the equipment listed in this pamphlet (see examples shown in TABLE 3-1, Equipment Age Adjustment Factors for Ownership Costs, and paragraph 3-5).

c. If the cost-of-money rate for the time period in question is different than that shown in Chapter 2 (see paragraph 3-4a(2)).

d. If fuel costs differ by more than 10% from the cost shown (see paragraph 3-4b(1)).

e. If the actual hours worked exceeded 40 hours per week (see example shown in TABLE 3-3, Shift Adjustment Factors for Ownership).

3-3. Use of Rate Adjustment Tables. TABLES 3-1, 3-2, and 3-3 are used to adjust the hourly rates in TABLE 2-1. Hourly rates for construction equipment for both average and severe conditions are given in TABLE 2-2, Hourly Rate Elements.

a. These tables can be used when the actual unit of equipment is known, as in the case of most negotiated procurements. These tables provide reasonable adjustment factors to allow a short-cut method for adjusting an hourly rate when actual conditions are considered, as in the case of contract modifications.

b. The rate adjustment tables may be used in lieu of a step-by-step rate computation when cost or pricing data is available, provided that the unit of equipment listed in the pamphlet is equivalent in size, capacity, and horsepower to the contractor's actual unit of equipment.

3-4. Hourly Rate Elements. Individual cost elements, which comprise the total hourly rate, are shown in TABLE 2-2. These hour-

ly rate elements are listed by equipment identification number corresponding to each unit of equipment shown in TABLE 2-1.

a. Ownership cost elements. These elements consist of depreciation (DEPR) and facilities capital cost of money (FCCM).

(1) Total ownership (DEPR + FCCM) can be adjusted to account for actual age of the equipment. The hourly ownership elements shown in TABLE 2-2 can be factored for age using TABLE 3-1.

(2) FCCM Adjustment. If the cost-of-money rate shown in Chapter 2 is no longer current, the FCCM 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 FCCM cost (from TABLE 2-2) will be added to the total hourly rate. See APPENDIX I, Federal Cost of Money Rate, for a listing of cost-of-money rates (shown through June 1993).

b. Operating cost elements. These consist of fuel (FUEL), filters, oil, and grease (FOG), repairs (RPR), tire wear (TIRE WEAR), and tire repair (TIRE RPR).

(1) Hourly fuel costs shall be adjusted in the event the average 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 shall be required to furnish copies of all fuel supply contracts and invoices to the government to support fuel cost adjustment. Request for upward adjustment in the rates will be considered only when fuel is supplied by recognized distributors.

(2) The hourly FOG allowance shall be adjusted upward or downward in conjunction with any authorized fuel price revisions.

(3) There is no rate adjustment procedure for repairs, tire wear, or tire repair.

3-5. Overage Equipment

a. When a unit of equipment has exceeded the economic life given in APPENDIX D, it is considered overage and the ownership portion of the rate shall be adjusted. This adjusted rate will not exceed the rate for the same unit of equipment that is not overage.

b. The total hourly operating rate for overage equipment shall be computed 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 is the year for which the last factor in TABLE 3-1 is given.

If there is no comparable unit of equipment shown in TABLE 2-1, the total hourly rate can be computed following the example shown in Figure 3-1.

c. Age adjustment factors are listed in TABLE 3-2, Equipment Age Adjustment Factors for Standby Costs, for factoring the standby rate shown in TABLE 2-1, provided the equipment is not overage. If the equipment is overage, compute the standby rate as shown in the example in Figure 3-2. Overage standby computations shall be based on the actual purchase price and the year of manufacture.

3-6. Equipment Purchased Used. A detailed methodology for computing a total hourly rate for equipment purchased used is not included in this pamphlet. Examples shown in TABLE 3-1 illustrate the basic principles for estimating used equipment rates.

a. The condition of the equipment at the time of purchase considers the extent of capital improvements, mechanical condition of drive train, and previous hours of operation. These conditions are difficult or impossible to determine and to evaluate when computing a total hourly rate based on actual acquisition cost.

b. When actual cost data in accordance with Chapter 1 is not available, a total hourly rate and standby rate for equipment purchased used can be computed on the basis that the equipment was purchased new by the contractor in the year it was manufactured. Consideration for the actual age of used equipment may require an adjustment for overage.

3-7. Equipment Not Listed. When a unit of equipment is not listed in TABLE 2-1, the hourly rate may be determined by using the hourly rate listed for a similar piece of equipment or by proportioning a rate listed so that capacity, size, and horsepower are properly considered. When an hourly rate cannot be determined using TABLE 2-1, rates will be calculated following the methodology outlined in Chapter 2 and the adjustments explained in this chapter.

SECTION II. EQUIPMENT SELECTION

3-8. Truck Selection. Because of the large number of possible combinations of highway truck chassis and bodies, both are listed separately. For estimating purposes, use the gross vehicle weight (GVW) rating of the truck chassis to make a selection, with the following conditions:

a. The combined weight of the truck chassis, the truck body, and the payload must not exceed the GVW rating shown for the truck chassis.

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

3-9. Crawler Tractor Selection. Because of the various number of dozer and ripper combinations available for each crawler tractor, the tractors and attachments may be shown separately. Only the hourly expense for those attachments that are required to perform the work shall be allowed. It should be noted that some makes and models of crawler tractors include the blade attachment while others require all attachments to be added separately.

3-10. Equipment Accessories. Equipment accessories included on the major pieces of equipment in TABLE 2-1 are listed in APPENDIX J, Equipment Accessories.

3-11. Rate Calculation Example. Figure 3-1, Total Hourly Rate Calculation for Overage Equipment, illustrates how total hourly rates are adjusted for overage equipment. Figure 3-2, Standby Rate Calculation for Overage Equipment, gives a sample calculation for computing adjusted standby rates. Rate software is also available for rate computation (see Chapter 1).

TABLE 3–1

EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

(EXAMPLE)

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

EXAMPLE: Assume that a 50–ton truck crane, manufactured in 1990, (category C90.02) listed in TABLE 2–1 has a total hourly rate of $55.00 per hour and an ownership rate of $30.00 per hour.

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

Total hourly rate	$55.00
Ownership rate	($30.00)
Ownership adjusted for age	$24.00
(ownership rate = $30.00) x (age adjustment factor = .80)	
Adjusted total hourly rate	$49.00

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

Total hourly rate	$55.00
Ownership rate	($30.00)
Ownership adjusted for age	$23.10
(ownership rate = $30.00) x (oldest age adjustment factor = .77)	
Adjusted total hourly rate	$48.10

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

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

TABLE 3-1. EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
A10 0.00	AGGREGATE/CHIP SPREADERS															
A10 0.10	SELF PROPELLED	1.09	1.06	1.00	0.96	0.93	0.90									
A10 0.20	TOWED & TAILGATE	1.10	1.06	1.00	0.96											
A15 0.00	AIR COMPRESSORS, PORTABLE															
A15 0.10	ROTARY SCREW	1.03	1.00	1.00	0.96	0.90	0.86									
A15 0.20	SHOP TYPE, ELECTRIC	1.03	1.00	1.00	0.96	0.91	0.86	0.86	0.87							
A20 0.00	AIR HOSE, TOOLS & EQUIPMENT															
A20 0.10	AIR HOSES	1.03	1.00	1.00												
A20 0.20	BLAST HOSE	1.03	1.00	1.00												
A20 0.30	SANDBLASTERS & BREAKERS	1.03	1.00	1.00												
A25 0.00	ASPHALT DISTRIBUTORS	1.10	1.06	1.00	0.96	0.93										
A30 0.00	ASPHALT FINISHERS/PAVERS															
A30 0.10	SELF PROPELLED	1.09	1.06	1.00	0.96	0.93	0.90									
A30 0.20	TOWED	1.09	1.06	1.00	0.96	0.93	0.90									
A35 0.00	ASPHALT KETTLES	1.10	1.06	1.00	0.96											
A40 0.00	ASPHALT & CONCR. MILLERS/PROFILERS	1.09	1.06	1.00	0.96	0.93	0.90									
A45 0.00	ASPHALT RECYCLERS & SEALERS	1.10	1.06	1.00	0.96	0.93										
B00 0.00	BACKHOE (SEE HYD. EXCAV.)															
B10 0.00	BATCH PLANTS,ASPHALT & CONCRETE															
B10 0.10	ASPHALT	1.09	1.05	1.00	0.96	0.93	0.91									
B10 0.20	CONCRETE	1.09	1.05	1.00	0.96	0.93	0.91									
B10 0.30	PUGMILL	1.09	1.05	1.00	0.96	0.93	0.91									
B15 0.00	BROOMS, STREET SWEEPERS & FLUSHERS	1.07	1.04	1.00	0.96	0.90										
B20 0.00	BRUSH CHIPPERS	1.07	1.04	1.00	0.96	0.90										

TABLE 3-1. EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
B25 0.00	BUCKETS, CLAMSHELL	1.10	1.05	1.00	0.93	0.84	0.82									
B30 0.00	BUCKETS, CONCRETE															
B30 0.10	GENERAL PURPOSE, MANUAL	1.11	1.06	1.00	0.93	0.84	0.81									
B30 0.20	LAYDOWN	1.11	1.06	1.00	0.93	0.84	0.81									
B30 0.30	LOWBOY	1.11	1.06	1.00	0.93	0.84	0.81									
B30 0.40	LOW SLUMP	1.11	1.06	1.00	0.93	0.84	0.81									
B35 0.00	BUCKETS, DRAGLINE															
B35 0.10	LIGHT WEIGHT	1.11	1.05	1.00	0.93	0.84										
B35 0.20	MEDIUM WEIGHT	1.10	1.05	1.00	0.93	0.84	0.82									
B35 0.30	HEAVY WEIGHT	1.10	1.05	1.00	0.93	0.84	0.82									
C05 0.00	CHAIN SAWS	1.07	1.03	1.00												
C10 0.00	COMPACTORS, MANUALLY OPERATED	1.08	1.04	1.00												
C15 0.00	CONCRETE BLASTERS	1.08	1.04	1.00	0.96											
C20 0.00	CONCRETE BUGGIES	1.08	1.04	1.00												
C25 0.00	CONCRETE FINISHERS	1.08	1.04	1.00												
C30 0.00	CONCRETE GRINDERS	1.08	1.04	1.00												
C35 0.00	CONCRETE GUNITERS/SHOTCRETERS	1.07	1.03	1.00	0.96	0.91										
C40 0.00	CONCRETE/WASTE MIXERS	1.08	1.04	1.00												
C45 0.00	CONCRETE PAVING MACHINES	1.09	1.06	1.00	0.96	0.93	0.90									
C55 0.00	CONCRETE PUMPS	1.07	1.03	1.00	0.96	0.91										
C60 0.00	CONCRETE SAWS	1.08	1.04	1.00	0.96											
C65 0.00	CONCRETE VIBRATORS	1.03	1.00	1.00												
C70 0.00	CRANES, GANTRY & STRADDLE															
C75 0.00	CRANES, HYDRAULIC, SELF-PROP.	1.12	1.04	1.00	0.95	0.87	0.85	0.82	0.79	0.78						
C80 0.00	CRANES, HYDRAULIC, TRUCK MTD															

TABLE 3-1. EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
C80 0.01	UNDER 26 TON	1.12	1.04	1.00	0.95	0.87	0.85	0.82	0.79	0.78						
C80 0.02	26 TON THRU 65 TON	1.12	1.04	1.00	0.95	0.88	0.85	0.82	0.80	0.78	0.77					
C80 0.03	66 TON THRU 125 TON	1.12	1.04	1.00	0.95	0.88	0.85	0.82	0.80	0.78	0.77	0.75				
C80 0.04	OVER 125 TON	1.12	1.04	1.00	0.95	0.88	0.85	0.82	0.80	0.78	0.77	0.75	0.70			
C85 0.00	CRANES, MECHANICAL, CRAWLER MTD															
C85 0.10	DRAGLINE, CLAMSHELL															
C85 0.11	0 THRU 1 CY	1.12	1.04	1.00	0.95	0.87	0.85	0.82	0.79							
C85 0.12	OVER 1 CY THRU 2-1/2 CY	1.12	1.04	1.00	0.95	0.87	0.85	0.82	0.79	0.78						
C85 0.13	OVER 2-1/2 CY THRU 5 CY	1.12	1.04	1.00	0.95	0.88	0.85	0.82	0.80	0.78	0.77					
C85 0.14	OVER 5 CY	1.12	1.04	1.00	0.95	0.88	0.85	0.82	0.80	0.78	0.77	0.75				
C85 0.20	LIFTING															
C85 0.21	0 THRU 25 TON	1.12	1.04	1.00	0.95	0.87	0.85	0.82	0.79							
C85 0.22	26 TON THRU 50 TON	1.12	1.04	1.00	0.95	0.87	0.85	0.82	0.80	0.78						
C85 0.23	51 TON THRU 150 TON	1.12	1.04	1.00	0.95	0.88	0.85	0.82	0.80	0.78	0.77	0.75				
C85 0.24	OVER 150 TON	1.12	1.04	1.00	0.95	0.88	0.85	0.82	0.80	0.78	0.77	0.75	0.70			
C90 0.00	CRANES, MECHANICAL, TRUCK MTD															
C90 0.01	UNDER 26 TON	1.12	1.04	1.00	0.95	0.87	0.85	0.82	0.79	0.78						
C90 0.02	26 TON THRU 65 TON	1.12	1.04	1.00	0.95	0.88	0.85	0.82	0.80	0.78	0.77					
C90 0.03	66 TON THRU 125 TON	1.12	1.04	1.00	0.95	0.88	0.85	0.82	0.80	0.78	0.77	0.75				
C90 0.04	OVER 125 TON	1.12	1.04	1.00	0.95	0.88	0.85	0.82	0.80	0.78	0.77	0.75	0.70			
C95 0.00	CRANES, TOWER	1.12	1.04	1.00	0.95	0.87	0.85	0.81	0.79	0.77	0.76	0.74				
D10 0.00	DRILLS, AIR TRACK, CRAWLER MTD	1.07	1.04	1.00	0.96	0.90	0.89									
D15 0.00	DRILLS, BORING MACHINES	1.07	1.04	1.00	0.96	0.90	0.89									
D20 0.00	DRILLS, CORE, COLUMN MOUNTED	1.08	1.04	1.00	0.96	0.90										
D25 0.00	DRILLS, CORE, SKID MOUNTED	1.07	1.04	1.00	0.96	0.90	0.89									

TABLE 3-1. EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
D30 0.00	DRILLS, EARTH/AUGER	1.07	1.04	1.00	0.96	0.90	0.89									
D35 0.00	DRILLS, ROTARY BLAST HOLE															
D35 0.10	DIESEL or GASOLINE															
D35 0.11	0" THRU 11" DIA. HOLE	1.07	1.04	1.00	0.96	0.90	0.89	0.89	0.91	0.90						
D35 0.12	OVER 11" DIAM.	1.07	1.04	1.00	0.96	0.90	0.90	0.89	0.91	0.90	0.91	0.90				
D35 0.20	ELECTRIC															
D35 0.21	0" THRU 11" DIA. HOLE	1.07	1.04	1.00	0.96	0.90	0.89	0.89	0.91	0.90						
D35 0.22	OVER 11" DIAM.	1.07	1.04	1.00	0.96	0.90	0.90	0.89	0.91	0.90	0.91	0.90				
F10 0.00	FORK LIFTS	1.07	1.04	1.00	0.96	0.90	0.88									
G10 0.00	GENERATOR SETS															
G10 0.10	PORTABLE	1.05	1.02	1.00	0.97	0.90										
G10 0.20	SKID MOUNTED	1.05	1.02	1.00	0.97	0.91	0.85									
G15 0.00	GRADERS, MOTOR	1.08	1.04	1.00	0.96	0.90	0.87	0.83	0.82							
H10 0.00	HAMMERS, HYDRAULIC	1.08	1.04	1.00	0.96											
H13 0.00	HAZARD/TOXIC WASTE EQUIPMENT															
H13 0.10	COMPACTORS (COMPRESSION FORCE)															
H13 0.11	0 THRU 50 TONS	1.07	1.03	1.00	0.96	0.91	0.88									
H13 0.12	OVER 50 TONS	1.07	1.03	1.00	0.96	0.90	0.88	0.85	0.84							
H13 0.20	FILTER PRESSES															
H13 0.21	STATIONARY	1.07	1.04	1.00	0.96	0.90	0.88									
H13 0.22	MOBILE	1.07	1.03	1.00	0.96	0.91	0.88									
H13 0.30	CENTRIFUGES	1.08	1.04	1.00												
H13 0.40	SHREDDERS	1.07	1.03	1.00	0.96	0.91	0.88									
H13 0.50	SOIL TREATMENT PLANT															
H13 0.51	MOBILE	1.07	1.03	1.00	0.96	0.91	0.88									

TABLE 3-1. EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
H13 0.60	SLUDGE PROCESSING EQUIPMENT															
H13 0.61	SLUDGE DISPENSERS	1.07	1.03	1.00	0.96	0.91	0.88									
H13 0.70	WASTE HANDLING EQUIPMENT															
H13 0.71	DRUM HANDLING	1.07	1.03	1.00												
H15 0.00	HEATERS, SPACE															
H20 0.00	HOIST	1.07	1.04	1.00	0.96	0.90	0.87									
H25 0.00	HYDRAULIC EXCAVATORS, CRAWLER MTD															
H25 0.10	DIESEL or GASOLINE															
H25 0.11	0 THRU 1 CY	1.09	1.04	1.00	0.94	0.86										
H25 0.12	OVER 1 CY THRU 2-1/2 CY	1.08	1.04	1.00	0.95	0.87	0.84									
H25 0.13	OVER 2-1/2 CY THRU 5 CY	1.08	1.04	1.00	0.95	0.87	0.85	0.82	0.79							
H25 0.14	OVER 5 CY	1.08	1.04	1.00	0.95	0.87	0.85	0.82	0.80	0.78						
H25 0.20	ATTACHMENTS															
H25 0.21	MOBILE SHEARS	1.07	1.03	1.00	0.96											
H25 0.22	MATERIAL HANDLING	1.08	1.04	1.00	0.96											
H25 0.23	CONCRETE PULVERIZERS	1.07	1.03	1.00	0.96											
H30 0.00	HYDRAULIC EXCAVATORS, WHEEL MTD															
H30 0.01	0 THRU 1 CY	1.08	1.04	1.00	0.95	0.86										
H30 0.02	OVER 1 CY	1.08	1.04	1.00	0.95	0.87	0.85									
H35 0.00	HYDRAULIC SHOVELS, CRAWLER MOUNTED															
H35 0.10	DIESEL															
H35 0.11	0 CY THRU 5 CY	1.08	1.04	1.00	0.95	0.87	0.85	0.82	0.80	0.78						
H35 0.12	OVER 5 CY	1.07	1.04	1.00	0.95	0.88	0.85	0.82	0.80	0.78	0.77					
H35 0.20	ELECTRIC															
H35 0.21	OVER 2-1/2 CY	1.08	1.04	1.00	0.95	0.87	0.85	0.82	0.79	0.78	0.76	0.74				

TABLE 3-1. EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
L10 0.00	LAND CLEARING EQUIPMENT	1.08	1.03	1.00	0.96	0.90										
L15 0.00	LAWN MOWERS	1.07	1.03	1.00												
L20 0.00	LIGHTING SETS, TRAILER MOUNTED															
L20 0.10	METALLIC VAPOR	1.08	1.04	1.00	0.95	0.90										
L25 0.00	LINE STRIPING EQUIPMENT	1.08	1.04	1.00	0.95	0.90										
L30 0.00	LOADERS, BELT	1.07	1.04	1.00	0.96	0.90	0.88									
L35 0.00	LOADERS, FRONT END, CRAWLER TYPE	1.08	1.03	1.00	0.96	0.90	0.83									
L40 0.00	LOADERS, FRONT END, WHEEL TYPE															
L40 0.10	ARTICULATED															
L40 0.11	0 THRU 225 HP	1.06	1.03	1.00	0.97	0.92	0.88									
L40 0.12	OVER 225 HP	1.05	1.03	1.00	0.97	0.93	0.89	0.87	0.86							
L40 0.20	SKID STEER	1.05	1.03	1.00	0.97	0.92										
L40 0.30	TOOL CARRIER															
L40 0.31	0 THRU 225 HP	1.06	1.03	1.00	0.97	0.92	0.88									
L40 0.32	OVER 225 HP	1.05	1.03	1.00	0.97	0.93	0.89	0.87	0.86							
L45 0.00	LOADERS w/ BACKHOE, CRAWLER TYPE	1.08	1.03	1.00	0.96	0.90	0.83									
L50 0.00	LOADERS w/ BACKHOE, WHEEL TYPE	1.06	1.03	1.00	0.97	0.92	0.88									
L55 0.00	LOADER/BACKHOE, ATTACHMENTS	1.08	1.04	1.00	0.96											
L60 0.00	LOG SKIDDERS	1.04	1.02	1.00	0.97	0.95	0.93									
M10 0.00	MARINE EQUIPMENT															
M10 0.10	MARINE MAINTENANCE EQUIPMENT															
M10 0.11	AQUATIC MAINTENANCE,-LAKES/HARBORS	1.08	1.04	1.00	0.95	0.91	0.90									
M10 0.12	ATTACHMENTS FOR (M10 .10)	1.09	1.05	1.00	0.95											
M10 0.20	PORTABLE (TRUCKABLE) HYDRAULIC															
M10 0.20	DREDGES 12" OR LESS															

TABLE 3-1. EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
M10 0.21	CUTTERHEAD DREDGE, 8" OR LESS	1.08	1.04	1.00	0.95	0.91	0.90									
M10 0.22	CUTTERHEAD DREDGE OVER 8" THRU 12"	1.08	1.04	1.00	0.95	0.91	0.90	0.90	0.87							
M10 0.23	AUGERHEAD DREDGE, 12" OR LESS	1.08	1.04	1.00	0.95	0.91	0.90									
M10 0.24	FLOATING PUMPS, 12" OR LESS	1.08	1.04	1.00	0.95	0.91										
M10 0.25	DREDGE PUMPS, 12" OR LESS	1.08	1.05	1.00	0.95											
M10 0.26	ATTACHMENTS FOR (M10 .20)	1.08	1.05	1.00	0.95											
M10 0.30	SMALL MECHANICAL DREDGES															
M10 0.31	CLAMSHELL BARGE-MOUNTED TO 5 CY	1.12	1.04	1.00	0.95	0.88	0.85	0.82	0.80	0.78	0.77	0.75	0.70			
M10 0.32	AMPHIBIOUS EXCAVATORS	1.08	1.04	1.00	0.95	0.87	0.85	0.82	0.79							
M10 0.33	HOE-MOUNTED DREDGING EXCAVATOR	1.08	1.04	1.00	0.95	0.91	0.90	0.90	0.87	0.84	0.80	0.77	0.73			
M10 0.40	BARGES & FLOATS (NON-DREDGING)															
M10 0.41	WORK FLOATS	1.08	1.04	1.00	0.95											
M10 0.42	WORK BARGES (SECTIONAL)	1.08	1.04	1.00	0.95	0.91	0.90									
M10 0.45	FLAT-DECK OR CARGO BARGE	1.07	1.04	1.00	0.96	0.91	0.91	0.90	0.87	0.84	0.81	0.78	0.75	0.67	0.59	0.53
M10 0.46	HOPPER BARGE	1.07	1.04	1.00	0.96	0.91	0.91	0.90	0.87	0.84	0.81	0.78	0.75	0.67	0.59	0.53
M10 0.47	DRILL BARGE	1.07	1.04	1.00	0.96	0.91	0.91	0.90	0.87	0.84	0.81	0.78	0.75	0.67	0.59	0.53
M10 0.48	ALL OTHER BARGES	1.07	1.04	1.00	0.96	0.91	0.91	0.90	0.87	0.84	0.81	0.78	0.75	0.67	0.59	0.53
M10 0.50	TUGS, BOATS & LAUNCHES															
M10 0.51	0 THRU 250 HP	1.08	1.04	1.00	0.95	0.91	0.90	0.89	0.86							
M10 0.52	251 THRU 300 HP	1.08	1.04	1.00	0.95	0.91	0.90	0.89	0.86							
M10 0.53	301 THRU 500 HP	1.08	1.04	1.00	0.95	0.91	0.90	0.89	0.86	0.83						
M10 0.54	501 THRU 1,000 HP	1.08	1.04	1.00	0.95	0.91	0.90	0.90	0.87	0.84	0.80	0.77	0.73			
M10 0.55	OVER 1,000 HP	1.08	1.04	1.00	0.96	0.91	0.91	0.90	0.87	0.84	0.81	0.78	0.75	0.67	0.59	0.53
P10 0.00	PILE EXTRACTORS & LEADS	1.06	1.04	1.00	0.95											
P20 0.00	PILE HAMMERS, DOUBLE ACTING	1.06	1.04	1.00	0.95											

TABLE 3-1. EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
P25 0.00	PILE HAMMERS, SINGLE ACTING	1.06	1.04	1.00	0.95											
P30 0.00	PILE HAMMERS, VIBRATORY	1.06	1.04	1.00	0.95											
P35 0.00	PIPELAYERS	1.08	1.03	1.00	0.96	0.89	0.83	0.79	0.79							
P40 0.00	PLATFORMS, AERIAL WORK	1.13	1.04	1.00	0.95	0.86										
P45 0.00	PUMPS, GROUT	1.07	1.03	1.00	0.96	0.91										
P50 0.00	PUMPS, WATER, CENTRIFUGAL, TRASH															
P50 0.10	SKID MOUNTED															
P50 0.11	ENGINE DRIVE	1.08	1.04	1.00	0.95	0.90										
P50 0.12	ELECTRIC DRIVE	1.08	1.04	1.00	0.95	0.90										
P50 0.20	WHEEL MOUNTED															
P50 0.21	ENGINE DRIVE	1.08	1.04	1.00	0.95	0.90										
P50 0.22	ELECTRIC DRIVE	1.08	1.04	1.00	0.95	0.90										
P55 0.00	PUMPS, WATER, SUBMERSIBLE															
P55 0.01	ENGINE DRIVE	1.08	1.04	1.00	0.95	0.90	0.87									
P55 0.02	ELECTRIC DRIVE	1.08	1.04	1.00	0.95	0.90	0.87									
P60 0.00	PUMPS, WATER,CENTRIF,DEWATERING															
P60 0.10	SKID MOUNTED															
P60 0.11	ENGINE DRIVE	1.08	1.04	1.00	0.95	0.90										
P60 0.12	ELECTRIC DRIVE	1.08	1.04	1.00	0.95	0.90										
P60 0.20	WHEEL MOUNTED															
P60 0.21	ENGINE DRIVE	1.08	1.04	1.00	0.95	0.90										
P60 0.22	ELECTRIC DRIVE	1.08	1.04	1.00	0.95	0.90										
P65 0.00	PUMPS, WATER, DIAPHRAGM															
P65 0.10	SKID MOUNTED															
P65 0.11	ENGINE DRIVE	1.08	1.04	1.00	0.95	0.90										

TABLE 3-1. EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
P65 0.12	ELECTRIC DRIVE	1.08	1.04	1.00	0.95	0.90										
P65 0.20	WHEEL MOUNTED															
P65 0.21	ENGINE DRIVE	1.08	1.04	1.00	0.95	0.90										
P65 0.22	ELECTRIC DRIVE	1.08	1.04	1.00	0.95	0.90										
P70 0.00	PUMPS, WATER (FOR CORE DRILLS)															
P70 0.01	ENGINE DRIVE	1.08	1.04	1.00	0.95	0.90										
P70 0.02	ELECTRIC DRIVE	1.08	1.04	1.00	0.95	0.90										
R10 0.00	RIPPERS & HYDRAULIC BANK SLOPERS	1.08	1.03	1.00	0.96	0.90										
R15 0.00	ROLLERS, TOWED - PNEUMATIC	1.05	1.01	1.00	0.97	0.94	0.89									
R20 0.00	ROLLERS, TOWED - STEEL DRUM	1.05	1.01	1.00	0.97	0.94	0.89									
R30 0.00	ROLLERS, STATIC, SELF-PROPELLED															
R30 0.01	PNEUMATIC	1.05	1.01	1.00	0.97	0.94										
R30 0.02	SMOOTH DRUM	1.05	1.01	1.00	0.97	0.94	0.89									
R30 0.03	TAMPING FOOT	1.05	1.01	1.00	0.97	0.94	0.89									
R40 0.00	ROLLERS, VIBRATORY, TOWED	1.05	1.01	1.00	0.97	0.94										
R45 0.00	ROLLERS, VIBRATORY, DOUBLE DRUM,	1.05	1.01	1.00	0.97	0.94										
R50 0.00	ROLLERS, VIBRATORY, SINGLE DRUM	1.05	1.01	1.00	0.97	0.94										
R55 0.00	ROOFING EQUIPMENT	1.07	1.03	1.00	0.96											
S10 0.00	SCRAPERS, ELEVATING															
S10 0.01	0 THRU 200 HP	1.08	1.04	1.00	0.96	0.90	0.88									
S10 0.02	OVER 200 HP	1.08	1.04	1.00	0.96	0.91	0.88									
S15 0.00	SCRAPERS, CONVENTIONAL	1.08	1.04	1.00	0.96	0.91	0.88									
S20 0.00	SCRAPERS, TANDEM POWERED	1.08	1.04	1.00	0.96	0.91	0.88									
S25 0.00	SCRAPERS, TRACTOR DRAWN	1.08	1.04	1.00	0.96	0.91	0.88	0.84	0.83							
S30 0.00	SCREENING & CRUSHING PLANTS															

TABLE 3-1. EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
S30 0.10	CONVEYORS	1.07	1.04	1.00	0.96	0.90	0.88									
S30 0.20	CRUSHERS	1.07	1.03	1.00	0.96	0.91	0.88									
S30 0.30	SCREENING PLANT	1.07	1.04	1.00	0.96	0.90	0.88									
S35 0.00	SNOW REMOVAL EQUIPMENT	1.07	1.04	1.00	0.96	0.90										
S40 0.00	SOIL STABILIZERS	1.08	1.04	1.00	0.96	0.90	0.88									
S45 0.00	SPLITTERS, ROCK & CONCRETE	1.08	1.04	1.00	0.96											
T10 0.00	TRACTOR BLADES & ATTACHMENTS	1.08	1.03	1.00	0.96	0.90	0.83									
T15 0.00	TRACTORS, CRAWLER (DOZER)															
T15 0.01	0 THRU 225 HP	1.08	1.03	1.00	0.96	0.89	0.82									
T15 0.02	226 HP THRU 425 HP	1.08	1.03	1.00	0.96	0.90	0.83									
T15 0.03	OVER 425 HP	1.07	1.03	1.00	0.96	0.90	0.84	0.81	0.80							
T20 0.00	TRACTORS, WHEEL TYPE (DOZER)	1.04	1.02	1.00	0.97	0.95	0.93									
T25 0.00	TRACTORS, WHEEL TYPE (FARM)	1.04	1.02	1.00	0.97	0.95										
T30 0.00	TRENCHERS, CHAIN	1.05	1.02	1.00	0.97	0.95										
T35 0.00	TRENCHERS, WHEEL TYPE	1.05	1.02	1.00	0.97	0.95	0.93									
T40 0.00	TRUCK OPTIONS, (ADD TRUCK)															
T40 0.10	CRANES, HYDRAULIC	1.07	1.04	1.00	0.96	0.90										
T40 0.20	DUMP BODY, REAR	1.07	1.04	1.00	0.96	0.90										
T40 0.30	FLATBEDS, W/ CONT. SIDES	1.07	1.04	1.00	0.96	0.90										
T40 0.40	HOIST															
T40 0.41	ELECTRIC DRIVE	1.07	1.04	1.00	0.96	0.90										
T40 0.50	TRANSIT MIXERS	1.07	1.03	1.00	0.96	0.91										
T40 0.60	WATER TANKS	1.07	1.04	1.00	0.96	0.90										
T40 0.70	ALL OTHER OPTIONS	1.07	1.04	1.00	0.96	0.90										
T45 0.00	TRUCK TRAILERS,															

TABLE 3-1. EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
T45 0.10	BOTTOM DUMP	1.07	1.03	1.00	0.96	0.91	0.88									
T45 0.20	END DUMP	1.07	1.03	1.00	0.96	0.91	0.88									
T45 0.30	PUP TRAILER	1.07	1.03	1.00	0.96	0.91										
T45 0.40	LOWBOY (EQUIPMENT HAULING)															
T45 0.41	RIGID NECK, DROP DECK	1.08	1.04	1.00	0.95	0.89	0.86									
T45 0.50	PLATFORM TRAILER	1.08	1.04	1.00	0.95	0.89	0.86									
T45 0.60	TILT TRAILER	1.08	1.04	1.00	0.95	0.89	0.86									
T45 0.70	WATER TANKER TRAILER	1.08	1.04	1.00	0.95	0.89	0.86									
T45 0.80	DECONTAMINATION FACILITY	1.08	1.04	1.00	0.95	0.89										
T45 0.90	TANK TRAILERS	1.08	1.04	1.00	0.95	0.89	0.86									
T50 0.00	TRUCKS, HIGHWAY															
T50 0.01	0 THRU 10,000 GVW	1.09	1.04	1.00	0.98	0.93										
T50 0.02	OVER 10,000 THRU 30,000 GVW	1.09	1.04	1.00	0.98	0.93										
T50 0.03	OVER 30,000 GVW	1.08	1.04	1.00	0.98	0.94										
T55 0.00	TRUCKS, OFF-HIGHWAY	1.07	1.03	1.00	0.95	0.87	0.83	0.81	0.81							
T57 0.00	TRUCKS, VACUUM	1.07	1.04	1.00	0.96	0.90	0.88									
T60 0.00	TRUCKS, WATER, OFF-HIGHWAY	1.07	1.03	1.00	0.95	0.87	0.82	0.80	0.80							
T65 0.00	TUNNEL/MINING EQUIPMENT															
T65 0.10	DRIFTING & TUNNELING DRILLS	1.07	1.03	1.00	0.96	0.90	0.90	0.90	0.91	0.90						
T65 0.20	TUNNEL BORING MACHINES	1.07	1.03	1.00	0.96	0.91	0.89	0.87	0.85	0.84	0.83	0.81	0.75	0.66		
T65 0.30	PRODUCTION DRILLING RIGS	1.07	1.03	1.00	0.96	0.90	0.90	0.90	0.91							
T65 0.40	ROADHEADERS & CONTINUOUS MINERS	1.07	1.03	1.00	0.96	0.91	0.88	0.86	0.85	0.84	0.82					
T65 0.50	ROCK BOLTING EQUIPMENT	1.07	1.04	1.00	0.96	0.90	0.88									
T65 0.60	LOADING & HAULING EQUIPMENT															
T65 0.61	DIESEL OR GASOLINE	1.07	1.03	1.00	0.96	0.90	0.88	0.85	0.84							

TABLE 3-1. EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
T65 0.62	ELECTRIC	1.07	1.03	1.00	0.96	0.91	0.88	0.86	0.84	0.83						
T65 0.63	AIR-POWERED	1.08	1.04	1.00	0.95	0.90	0.87									
T65 0.70	LOCOMOTIVES	1.07	1.03	1.00	0.96	0.90	0.88	0.85	0.84							
T65 0.90	OTHER TUNNELING EQUIPMENT	1.07	1.04	1.00	0.96	0.90	0.88									
W10 0.00	WAGONS, BOTTOM DUMP	1.07	1.03	1.00	0.95	0.87	0.83	0.81	0.81							
W15 0.00	WAGONS, REAR DUMP	1.07	1.03	1.00	0.95	0.87	0.83	0.81	0.81							
W25 0.00	WATER & CO2 BLASTERS															
W25 0.10	LOW PRESSURE, (< 5,000 PSI)	1.08	1.04	1.00												
W25 0.20	HIGH PRESSURE, (>= 5,000 PSI)	1.08	1.04	1.00	0.96											
W25 0.30	STEAM CLEANERS	1.08	1.04	1.00												
W25 0.40	CO2 BLASTERS	1.07	1.04	1.00	0.96	0.90										
W30 0.00	WATER TANKS															
W30 0.10	PORTABLE W/ WHEELS	1.07	1.03	1.00	0.95	0.87	0.82	0.80	0.80							
W30 0.20	SKID MOUNTED	1.07	1.03	1.00	0.95	0.87	0.82	0.80	0.80							
W35 0.00	WELDERS															
W35 0.10	GASOLINE or DIESEL DRIVE	1.08	1.04	1.00	0.95	0.89										
W35 0.20	ELECTRICAL															
W35 0.21	ELECTRIC DRIVE	1.08	1.04	1.00	0.95											
W35 0.22	MIG	1.08	1.04	1.00	0.95											
W35 0.23	RECTIFIER	1.08	1.04	1.00	0.95											
W35 0.24	TRANSFORMER	1.08	1.04	1.00	0.95											

TOTAL HOURLY RATE CALCULATION FOR OVERAGE EQUIPMENT

EXAMPLE

Assume the following set of given information for the rate calculation example:

A. **The unit of equipment is not listed in TABLE 2-1**

B. The equipment is contractor-owned

C. Data for the unit in question:

1. Clark front-end wheel loader
2. Model 125B, 4WD, 4 CY capacity
3. Serial number indicates year of manufacture = 1980
4. Actual purchase price was $119,995 in 1980
5. Horsepower is 210 hp
6. Drive tire size = 23.5 x 25, 16 PR, L-3

   Drive tire cost = 4 tires x $2,524 = $10,096 (in 1993)

D. TABLE 3-1, Age Adjustment Factors for Ownership Costs:

1. Category L40.11 (wheel loaders < 225 hp)
2. Last age adjustment factor - 1986

E. Adjust the actual purchase price:

1. Index APPENDIX E (wheel loaders EK = 45)

   a. 1986 = 3991 (first year of economic life)

   b. 1980 = 2938 (year of manufacture)

2. Purchase price (TEV) indexed to 1986:
   (Purchase price includes discount, sales tax & freight)

   (3991 / 2938) x $119,995 = $163,002

F. Hourly rate is computed as follows in accordance with Figure 2-1, Equipment Rate Computation Worksheet

Figure 3-1. Total Hourly Rate Calculation for Overage Equipment

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

1. **EQUIPMENT INFO & EXPENSE FACTORS**

For ID No. *N/A*

a. Equipment Specification Data:

(1) Equipment Description: *CLARK FRONT-END LOADER*

(2) Model and Series: *125B 4 CY*

(3) Present Year or Year of Use: *1993* (4) Year Manufactured or Purchased: *1980* *

(5) Horsepower - Equipment: *210* *(FIRST YEAR OF ECONOMIC LIFE = 1986)

(6) Horsepower - Carrier: *-*

(7) Fuel type: - Equipment: gas,diesel off-road, diesel on-road, electric, or air *D-OFF*

- Carrier: gas,diesel off-road, diesel on-road, electric, or air *-*

(8) Shipping Weight (CWT): *367*

(9) Tire size and number of tires: Total Cost of tires based on 1a. (3)

(a) Front:	No.:		Size/Ply:		Cost: $	
(b) Drive:	No.:	*4*	Size/Ply:	*23.5x25 16PR*	Cost: $	*10,096*
(c) Trailing:	No.:		Size/Ply:		Cost: $	

(d) Total Tire Cost: $ *10,096*

USE APPENDIX D TO COMPLETE THE FOLLOWING DATA:

b. Category and Sub-category Number: *L40 0.11*

c. Hourly Expense Calculation Factors:

(1) Economic Key (EK): *45*

(2) Condition (C): *Average Condition, A*

(3) Discount Code (DC): B = 7.5% (0.075) or S = 15.0% (0.15) *7.50%*

(4) Life in Hours (LIFE): *10,000*

(5) Salvage Value Percentage (SLV): *0.25*

(6) Fuel Factor - Equipment (E G D): *0.036*

(7) Fuel Factor - Carrier (E G D): *0.000*

(8) FOG Factor (E G D): *0.42*

(9) Tire Wear Factor:

(a) Front (FT): *0.70*

(b) Drive (DT): *0.42*

(c) Trailing (TT): *0.00*

(10) Repair Cost Factor (RPR): *0.70*

Page 1 of 6

Figure 3-1. Total Hourly Rate Calculation for Overage Equipment (continued)

2. EQUIPMENT VALUE

a. List Price + Accessories: (*at Year of Manufacture*) = $ _____ –

(1) Discount: (List Price) x (Discount Code)
[1.c.(3)]

(_____ –) x (_____ –) = - ($ _____ –)

(2) Subtotal: [2.a.] - [2.a.(1)] S/T $ _____ –

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

(_____ –) x (_____ –) = $ _____ –

(4) Total Discounted Price - Subtotal: [2.a.(2)] + [2.a.(3)] S/T $ _____ –

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

(_____ – CWT) x (_____ –) = $ _____ –

c. TOTAL EQUIPMENT VALUE (TEV): [(2.a.(4)] + [(2.b)] **2. TOTAL:** $ *163,002*

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

3. DEPRECIATION PERIOD (N)

a. (LIFE) / (Working Hours Per Year (**WHPY**)) = N
[1.c.(4)] [APPENDIX B]

(*10,000* Hrs) / (*1,700* Hrs/Yr) **3. TOTAL** = *5.88* Yrs(**N**)

4. OWNERSHIP COST

a. Depreciation

(1) Tire Costs Index (**TCI**):

(Tire Index, Yr of Mfgr) / (Tire Index, Based on 1a.(3)) = Tire Cost Index (TCI)
[APPENDIX E,EK=100] / [APPENDIX E,EK=100]

(*2340*) / (*2664*) = *0.878* (**TCI**)
(for 1986) (for 1993)

Page 2 of 6

Figure 3-1. Total Hourly Rate Calculation for Overage Equipment (continued)

4. OWNERSHIP COST (Continued)

a. Depreciation:

(2) [(TEV) x [1.0 - (SLV)] - [(TCI) x (Tire Cost)]] / (LIFE)
[2.c.] [1.c.(5)] [4.a.] [1.a.(9)(d)] [1.c.(4)]

[(163,002) x [1.0 -(0.25)] - [(0.878) x (10,096)]]/ (10,000)

= $ 11.34 /Hr

b. Facilities Capital Cost of Money (FCCM):

(1) [[(N) - 1.0] x [1.0 + (SLV)] + 2.0] / [2.0 x (N)] = Avg Value Factor (AVF)
[3.a.] [1.C.5.] [3.a.]

[[(5.88 Yrs) - 1.0] x [1.0 + (0.25)] + 2.0] / [2.0 X (5.88 Yrs)]

= 0.689 (AVF)

(2) (TEV) x (AVF) x (Adjusted Cost-of-Money) / (WHPY)
[2.c.] [4.b.(1)] [APPENDIX B] [APPENDIX B]

(163,002) x (0.689) x (0.0520) / (1,700 Hrs/Yr)

= $ 3.44 /Hr

c. TOTAL HOURLY OWNERSHIP COST: [4.a.(2)] + [4.b.(2)] **4. TOTAL:** $ 14.78 /Hr

5. OPERATING COST

a. Fuel Costs:

(1) Equipment:

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

(0.036) x (210 HP) x (0.84 /Gal) = $ 6.35 /Hr

(2) Carrier:

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

(0) x (— HP) x (— /Gal) = $ — /Hr

(3) TOTAL HOURLY FUEL COSTS: [(5.a(1)] + [5.a(2)] Total 5.a. = $ 6.35 /Hr

Page 3 of 6

Figure 3-1. Total Hourly Rate Calculation for Overage Equipment (continued)

5. **OPERATING COST** (Continued)

b. FOG Cost:

(1) Equipment:

(FOG Factor) x (Equipment Fuel Cost) x LAF
[1.c.(8)] [5.a.(1)] [APPENDIX B]

(0.42) x (6.35 /Hr) x (0.87) = $ 2.32 /Hr

(2) Carrier:

(FOG Factor) x (Carrier Fuel Cost) x LAF
[1.c.(8)] [5.a.(2)] [APPENDIX B]

(0.42) x (– /Hr) x (–) = $ – /Hr

(3) TOTAL HOURLY FOG COST: [(5.b.(1)] + [5.b.(2)] Total 5.b. = $ 2.32 /Hr

c. Repair Cost:

(1) Economic Adjustment Factor (EAF): (from EK = [1 c.(1)])

(Economic Index for Year 1a.(3)) / (Economic Index for Year 1a.(4))
[APPENDIX E] *(for 1993)* [APPENDIX E] *(for 1986 first yr of econ life)*

(4846) / (3991) = 1.214 (EAF)

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

(2) Repair Factor:

(RPR) x (EAF) x (LAF) = Repair Factor (RF)
[1.c.(10)] [5.c.(1).] [APPENDIX B]

(0.70) x (1.214) x (0.87) = 0.739 (RF)

(3) Repair Cost

[(TEV) - [(TCI) x (Tire Cost)]] x (RF) / (LIFE)
[2.c.] [4.a. (1)] [1.a.(9)(d)] [5.c.(2)] [1.c.(4)]

[(163,002) - [(0.878) x (10,096)]] x (0.739) / (10,000)

Total 5.c. = $ 11.39 /Hr

Page 4 of 6

Figure 3-1. Total Hourly Rate Calculation for Overage Equipment (continued)

5. **OPERATING COST (Continued)**

d. Tire Wear Cost: *(Use current price levels)*

(1) Front Tires:

[1.5 x (FT Cost)] / [1.8 x (FT Wear Factor) x (Maximum Tire Life/Hrs)]
[1.a.(9)(a)] [1.c.(9)(a)] [APPENDIX G]

[1.5 x (_____)] / [1.8 x (_____) x (_____ /Hrs)]

= $ — /Hr

(2) Drive Tires:

[1.5 x (DT Cost)] / [1.8 x (DT Wear Factor) x (Maximum Tire Life/Hrs)]
[1.a.(9)(b)] [1.c.(9)(b)] [APPENDIX G]

[1.5 x (10,096)] / [1.8 x (0.42) x (5,000 /Hrs)]

= $ 4.01 /Hr

(3) Trailing Tires:

[1.5 x (TT Cost)] / [1.8 x (TT Wear Factor) x (Maximum Tire Life/Hrs)]
[1.a.(9)(c)] [1.c.(9)(c)] [APPENDIX G]

[1.5 x (_____)] / [1.8 x (_____) x (_____ /Hrs)]

= $ — /Hr

(4) TOTAL TIRE WEAR COST: [Sum 5.d.(1) through 5.d.(3)] Total 5.d. = $ 4.01 /Hr

e. Tire Repair Cost:

(Total Tire Wear) x 0.15 X LAF
[5.d.(4)] [APPENDIX B]

(4.01) x 0.15 X (0.87) Total 5.e. = $ 0.52 /Hr

f. TOTAL OPERATING COST: [Sum 5.a through 5.e] 5. TOTAL: $ 24.59 /Hr

Page 5 of 6

Figure 3-1. Total Hourly Rate Calculation for Overage Equipment (continued)

6. **HOURLY RATES**

a. **Total Hourly Rate:** *(based on 40 hours per week)*

(Ownership Cost) + (Operating Cost)
[4.c.] [5.f]

(14.78 /Hr) + (24.59 /Hr) = $ 39.37 /Hr

b. **Standby Hourly Rate:**

[(Depreciation) x 0.50] + (FCCM)
[4.a.(2)] [4.b.(2)]

[(/Hr) x 0.50] + (/Hr) = $ * /Hr

(See Chapter 3 if rate adjustments are necessary.)

*** For Calculation of Overage Equipment Standby Rate (see Figure 3-2).**

Page 6 of 6

Figure 3-1. Equipment Rate Computation Work Sheet (Continued)

TABLE 3–2

EQUIPMENT AGE ADJUSTMENT FACTORS FOR STANDBY COSTS

(EXAMPLE)

The "Age Adjustment Factors for Standby Costs" in TABLE 3–2 are used when the age of a piece of equipment is other than the age of the equipment listed in TABLE 2–1. The factors given in TABLE 3–2 are multiplied by the hourly standby costs shown in TABLE 2–1 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 2–24.

EXAMPLE: Assume that a 50–ton truck crane (manufactured in 1990) listed in TABLE 2–1 has an hourly standby rate of $18.00 per hour. If an equivalent crane owned by a contractor had been purchased new in 1987, the hourly standby rate can be determined as follows:

Hourly Standby rate (per hour)	$18.00
Standby adjusted for age (per hour) (Standby rate = $18.00) x (Age adjustment factor = .86)	$15.48

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

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
A10 0.00	AGGREGATE/CHIP SPREADERS															
A10 0.10	SELF PROPELLED	1.09	1.05	1.00	0.96	0.93	0.91									
A10 0.20	TOWED & TAILGATE	1.09	1.06	1.00	0.96											
A15 0.00	AIR COMPRESSORS, PORTABLE															
A15 0.10	ROTARY SCREW	1.03	1.00	1.00	0.96	0.91	0.86									
A15 0.20	SHOP TYPE, ELECTRIC	1.03	1.00	1.00	0.96	0.91	0.87	0.87	0.87							
A20 0.00	AIR HOSE, TOOLS & EQUIPMENT															
A20 0.10	AIR HOSES	1.03	1.00	1.00												
A20 0.20	BLAST HOSE	1.03	1.00	1.00												
A20 0.30	SANDBLASTERS & BREAKERS	1.03	1.00	1.00												
A25 0.00	ASPHALT DISTRIBUTORS	1.09	1.05	1.00	0.96	0.93										
A30 0.00	ASPHALT FINISHERS/PAVERS															
A30 0.10	SELF PROPELLED	1.09	1.05	1.00	0.96	0.93	0.91									
A30 0.20	TOWED	1.09	1.05	1.00	0.96	0.93	0.91									
A35 0.00	ASPHALT KETTLES	1.09	1.06	1.00	0.96											
A40 0.00	ASPHALT & CONCR. MILLERS/PROFILERS	1.09	1.05	1.00	0.96	0.93	0.91									
A45 0.00	ASPHALT RECYCLERS & SEALERS	1.09	1.05	1.00	0.96	0.93										
B00 0.00	BACKHOE (SEE HYD. EXCAV.)															
B10 0.00	BATCH PLANTS,ASPHALT & CONCRETE															
B10 0.10	ASPHALT	1.09	1.05	1.00	0.96	0.94	0.91									
B10 0.20	CONCRETE	1.09	1.05	1.00	0.96	0.94	0.91									
B10 0.30	PUGMILL	1.09	1.05	1.00	0.96	0.94	0.91									
B15 0.00	BROOMS, STREET SWEEPERS & FLUSHERS	1.07	1.03	1.00	0.96	0.91										
B20 0.00	BRUSH CHIPPERS	1.07	1.03	1.00	0.96	0.91										
B25 0.00	BUCKETS, CLAMSHELL	1.10	1.05	1.00	0.94	0.85	0.83									

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

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
B30 0.00	BUCKETS, CONCRETE															
B30 0.10	GENERAL PURPOSE, MANUAL	1.10	1.05	1.00	0.93	0.84	0.82									
B30 0.20	LAYDOWN	1.10	1.05	1.00	0.93	0.84	0.82									
B30 0.30	LOWBOY	1.10	1.05	1.00	0.93	0.84	0.82									
B30 0.40	LOW SLUMP	1.10	1.05	1.00	0.93	0.84	0.82									
B35 0.00	BUCKETS, DRAGLINE															
B35 0.10	LIGHT WEIGHT	1.10	1.05	1.00	0.94	0.85										
B35 0.20	MEDIUM WEIGHT	1.10	1.05	1.00	0.94	0.85	0.83									
B35 0.30	HEAVY WEIGHT	1.10	1.05	1.00	0.94	0.85	0.83									
C05 0.00	CHAIN SAWS	1.07	1.03	1.00												
C10 0.00	COMPACTORS, MANUALLY OPERATED	1.07	1.04	1.00												
C15 0.00	CONCRETE BLASTERS	1.07	1.03	1.00	0.96											
C20 0.00	CONCRETE BUGGIES	1.07	1.04	1.00												
C25 0.00	CONCRETE FINISHERS	1.07	1.04	1.00												
C30 0.00	CONCRETE GRINDERS	1.07	1.04	1.00												
C35 0.00	CONCRETE GUNITERS/SHOTCRETERS	1.07	1.03	1.00	0.96	0.91										
C40 0.00	CONCRETE/WASTE MIXERS	1.07	1.04	1.00												
C45 0.00	CONCRETE PAVING MACHINES	1.09	1.05	1.00	0.96	0.93	0.91									
C55 0.00	CONCRETE PUMPS	1.07	1.03	1.00	0.96	0.91										
C60 0.00	CONCRETE SAWS	1.07	1.03	1.00	0.96											
C65 0.00	CONCRETE VIBRATORS	1.03	1.00	1.00												
C70 0.00	CRANES, GANTRY & STRADDLE															
C75 0.00	CRANES, HYDRAULIC, SELF-PROP.	1.12	1.04	1.00	0.95	0.88	0.86	0.83	0.80	0.79						
C80 0.00	CRANES, HYDRAULIC, TRUCK MTD															
C80 0.01	UNDER 26 TON	1.12	1.04	1.00	0.95	0.88	0.86	0.83	0.80	0.79						

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

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
C80 0.02	26 TON THRU 65 TON	1.11	1.04	1.00	0.95	0.88	0.86	0.83	0.81	0.79	0.78					
C80 0.03	66 TON THRU 125 TON	1.11	1.04	1.00	0.95	0.88	0.86	0.83	0.81	0.79	0.78	0.76				
C80 0.04	OVER 125 TON	1.11	1.04	1.00	0.95	0.88	0.86	0.83	0.81	0.79	0.78	0.76	0.71			
C85 0.00	CRANES, MECHANICAL, CRAWLER MTD															
C85 0.10	DRAGLINE, CLAMSHELL															
C85 0.11	0 THRU 1 CY	1.12	1.04	1.00	0.95	0.88	0.85	0.82	0.80							
C85 0.12	OVER 1 CY THRU 2-1/2 CY	1.12	1.04	1.00	0.95	0.88	0.86	0.83	0.80	0.79						
C85 0.13	OVER 2-1/2 CY THRU 5 CY	1.11	1.04	1.00	0.95	0.88	0.86	0.83	0.81	0.79	0.78					
C85 0.14	OVER 5 CY	1.11	1.04	1.00	0.95	0.88	0.86	0.83	0.81	0.79	0.78	0.76				
C85 0.20	LIFTING															
C85 0.21	0 THRU 25 TON	1.12	1.04	1.00	0.95	0.88	0.85	0.83	0.80							
C85 0.22	26 TON THRU 50 TON	1.12	1.04	1.00	0.95	0.88	0.86	0.83	0.80	0.79						
C85 0.23	51 TON THRU 150 TON	1.11	1.04	1.00	0.95	0.88	0.86	0.83	0.81	0.79	0.78	0.76				
C85 0.24	OVER 150 TON	1.11	1.04	1.00	0.95	0.88	0.86	0.83	0.81	0.79	0.78	0.76	0.71			
C90 0.00	CRANES, MECHANICAL, TRUCK MTD															
C90 0.01	UNDER 26 TON	1.12	1.04	1.00	0.95	0.88	0.86	0.83	0.80	0.79						
C90 0.02	26 TON THRU 65 TON	1.11	1.04	1.00	0.95	0.88	0.86	0.83	0.81	0.79	0.78					
C90 0.03	66 TON THRU 125 TON	1.11	1.04	1.00	0.95	0.88	0.86	0.83	0.81	0.79	0.78	0.76				
C90 0.04	OVER 125 TON	1.11	1.04	1.00	0.95	0.88	0.86	0.83	0.81	0.79	0.78	0.76	0.71			
C95 0.00	CRANES, TOWER	1.12	1.04	1.00	0.95	0.88	0.86	0.83	0.80	0.79	0.77	0.76				
D10 0.00	DRILLS, AIR TRACK, CRAWLER MTD	1.07	1.03	1.00	0.96	0.90	0.90									
D15 0.00	DRILLS, BORING MACHINES	1.07	1.03	1.00	0.96	0.90	0.90									
D20 0.00	DRILLS, CORE, COLUMN MOUNTED	1.07	1.04	1.00	0.96	0.90										
D25 0.00	DRILLS, CORE, SKID MOUNTED	1.07	1.03	1.00	0.96	0.90	0.90									
D30 0.00	DRILLS, EARTH/AUGER	1.07	1.03	1.00	0.96	0.90	0.90									

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

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
D35 0.00	DRILLS, ROTARY BLAST HOLE															
D35 0.10	DIESEL or GASOLINE															
D35 0.11	0" THRU 11" DIA. HOLE	1.07	1.03	1.00	0.96	0.91	0.90	0.90	0.91	0.90						
D35 0.12	OVER 11" DIAM.	1.07	1.03	1.00	0.97	0.91	0.90	0.90	0.92	0.91	0.92	0.91				
D35 0.20	ELECTRIC															
D35 0.21	0" THRU 11" DIA. HOLE	1.07	1.03	1.00	0.96	0.91	0.90	0.90	0.91	0.90						
D35 0.22	OVER 11" DIAM.	1.07	1.03	1.00	0.97	0.91	0.90	0.90	0.92	0.91	0.92	0.91				
F10 0.00	FORK LIFTS	1.07	1.03	1.00	0.96	0.91	0.88									
G10 0.00	GENERATOR SETS															
G10 0.10	PORTABLE	1.05	1.02	1.00	0.97	0.91										
G10 0.20	SKID MOUNTED	1.05	1.02	1.00	0.97	0.91	0.86									
G15 0.00	GRADERS, MOTOR	1.08	1.04	1.00	0.96	0.91	0.88	0.84	0.84							
H10 0.00	HAMMERS, HYDRAULIC	1.07	1.03	1.00	0.96											
H13 0.00	HAZARD/TOXIC WASTE EQUIPMENT															
H13 0.10	COMPACTORS (COMPRESSION FORCE)															
H13 0.11	0 THRU 50 TONS	1.07	1.03	1.00	0.96	0.91	0.89									
H13 0.12	OVER 50 TONS	1.07	1.03	1.00	0.96	0.91	0.88	0.86	0.85							
H13 0.20	FILTER PRESSES															
H13 0.21	STATIONARY	1.07	1.03	1.00	0.96	0.91	0.88									
H13 0.22	MOBILE	1.07	1.03	1.00	0.96	0.91	0.89									
H13 0.30	CENTRIFUGES	1.07	1.04	1.00												
H13 0.40	SHREDDERS	1.07	1.03	1.00	0.96	0.91	0.89									
H13 0.50	SOIL TREATMENT PLANT															
H13 0.51	MOBILE	1.07	1.03	1.00	0.96	0.91	0.89									
H13 0.60	SLUDGE PROCESSING EQUIPMENT															

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

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
H13 0.61	SLUDGE DISPENSERS	1.07	1.03	1.00	0.96	0.91	0.89									
H13 0.70	WASTE HANDLING EQUIPMENT															
H13 0.71	DRUM HANDLING	1.07	1.03	1.00												
H15 0.00	HEATERS, SPACE															
H20 0.00	HOIST	1.07	1.03	1.00	0.96	0.91	0.88									
H25 0.00	HYDRAULIC EXCAVATORS, CRAWLER MTD															
H25 0.10	DIESEL or GASOLINE															
H25 0.11	0 THRU 1 CY	1.08	1.04	1.00	0.95	0.87										
H25 0.12	OVER 1 CY THRU 2-1/2 CY	1.08	1.04	1.00	0.95	0.87	0.85									
H25 0.13	OVER 2-1/2 CY THRU 5 CY	1.07	1.04	1.00	0.95	0.88	0.85	0.83	0.80							
H25 0.14	OVER 5 CY	1.07	1.04	1.00	0.95	0.88	0.86	0.83	0.80	0.79						
H25 0.20	ATTACHMENTS															
H25 0.21	MOBILE SHEARS	1.07	1.03	1.00	0.96											
H25 0.22	MATERIAL HANDLING	1.07	1.03	1.00	0.96											
H25 0.23	CONCRETE PULVERIZERS	1.07	1.03	1.00	0.96											
H30 0.00	HYDRAULIC EXCAVATORS, WHEEL MTD															
H30 0.01	0 THRU 1 CY	1.08	1.04	1.00	0.95	0.87										
H30 0.02	OVER 1 CY	1.07	1.04	1.00	0.95	0.88	0.85									
H35 0.00	HYDRAULIC SHOVELS, CRAWLER MOUNTED															
H35 0.10	DIESEL															
H35 0.11	0 CY THRU 5 CY	1.07	1.04	1.00	0.95	0.88	0.86	0.83	0.80	0.79						
H35 0.12	OVER 5 CY	1.07	1.04	1.00	0.95	0.88	0.86	0.83	0.81	0.79	0.78					
H35 0.20	ELECTRIC															
H35 0.21	OVER 2-1/2 CY	1.07	1.04	1.00	0.95	0.88	0.86	0.83	0.80	0.79	0.78	0.76				
L10 0.00	LAND CLEARING EQUIPMENT	1.07	1.03	1.00	0.96	0.90										

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

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
L15 0.00	LAWN MOWERS	1.07	1.03	1.00												
L20 0.00	LIGHTING SETS, TRAILER MOUNTED															
L20 0.10	METALLIC VAPOR	1.07	1.04	1.00	0.96	0.90										
L25 0.00	LINE STRIPING EQUIPMENT	1.07	1.04	1.00	0.96	0.90										
L30 0.00	LOADERS, BELT	1.07	1.03	1.00	0.96	0.91	0.88									
L35 0.00	LOADERS, FRONT END, CRAWLER TYPE	1.07	1.03	1.00	0.96	0.90	0.84									
L40 0.00	LOADERS, FRONT END, WHEEL TYPE															
L40 0.10	ARTICULATED															
L40 0.11	0 THRU 225 HP	1.05	1.03	1.00	0.97	0.92	0.89									
L40 0.12	OVER 225 HP	1.05	1.03	1.00	0.97	0.93	0.90	0.87	0.87							
L40 0.20	SKID STEER	1.05	1.03	1.00	0.97	0.93										
L40 0.30	TOOL CARRIER															
L40 0.31	0 THRU 225 HP	1.05	1.03	1.00	0.97	0.92	0.89									
L40 0.32	OVER 225 HP	1.05	1.03	1.00	0.97	0.93	0.90	0.87	0.87							
L45 0.00	LOADERS w/ BACKHOE, CRAWLER TYPE	1.07	1.03	1.00	0.96	0.90	0.84									
L50 0.00	LOADERS w/ BACKHOE, WHEEL TYPE	1.05	1.03	1.00	0.97	0.92	0.89									
L55 0.00	LOADER/BACKHOE, ATTACHMENTS	1.07	1.03	1.00	0.96											
L60 0.00	LOG SKIDDERS	1.04	1.02	1.00	0.97	0.95	0.93									
M10 0.00	MARINE EQUIPMENT															
M10 0.10	MARINE MAINTENANCE EQUIPMENT															
M10 0.11	AQUATIC MAINTENANCE,-LAKES/HARBORS	1.08	1.04	1.00	0.95	0.91	0.90									
M10 0.12	ATTACHMENTS FOR (M10 .10)	1.08	1.05	1.00	0.95											
M10 0.20	PORTABLE (TRUCKABLE) HYDRAULIC															
M10 0.20	DREDGES 12" OR LESS															
M10 0.21	CUTTERHEAD DREDGE, 8" OR LESS	1.08	1.04	1.00	0.95	0.91	0.90									

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

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
M10 0.22	CUTTERHEAD DREDGE OVER 8" THRU 12"	1.08	1.04	1.00	0.96	0.91	0.90	0.90	0.87							
M10 0.23	AUGERHEAD DREDGE, 12" OR LESS	1.08	1.04	1.00	0.95	0.91	0.90									
M10 0.24	FLOATING PUMPS, 12" OR LESS	1.08	1.04	1.00	0.95	0.91										
M10 0.25	DREDGE PUMPS, 12" OR LESS	1.08	1.04	1.00	0.95											
M10 0.26	ATTACHMENTS FOR (M10 .20)	1.08	1.04	1.00	0.95											
M10 0.30	SMALL MECHANICAL DREDGES															
M10 0.31	CLAMSHELL BARGE-MOUNTED TO 5 CY	1.11	1.04	1.00	0.95	0.88	0.86	0.83	0.81	0.79	0.78	0.76	0.71			
M10 0.32	AMPHIBIOUS EXCAVATORS	1.07	1.04	1.00	0.95	0.88	0.85	0.83	0.80							
M10 0.33	HOE-MOUNTED DREDGING EXCAVATOR	1.07	1.04	1.00	0.96	0.91	0.91	0.90	0.87	0.84	0.81	0.78	0.75			
M10 0.40	BARGES & FLOATS (NON-DREDGING)															
M10 0.41	WORK FLOATS	1.08	1.04	1.00	0.95											
M10 0.42	WORK BARGES (SECTIONAL)	1.08	1.04	1.00	0.96	0.91	0.90									
M10 0.45	FLAT-DECK OR CARGO BARGE	1.07	1.04	1.00	0.96	0.92	0.91	0.90	0.88	0.85	0.82	0.79	0.76	0.68	0.60	0.55
M10 0.46	HOPPER BARGE	1.07	1.04	1.00	0.96	0.92	0.91	0.90	0.88	0.85	0.82	0.79	0.76	0.68	0.60	0.55
M10 0.47	DRILL BARGE	1.07	1.04	1.00	0.96	0.92	0.91	0.90	0.88	0.85	0.82	0.79	0.76	0.68	0.60	0.55
M10 0.48	ALL OTHER BARGES	1.07	1.04	1.00	0.96	0.92	0.91	0.90	0.88	0.85	0.82	0.79	0.76	0.68	0.60	0.55
M10 0.50	TUGS, BOATS & LAUNCHES															
M10 0.51	0 THRU 250 HP	1.08	1.04	1.00	0.95	0.91	0.90	0.90	0.87							
M10 0.52	251 THRU 300 HP	1.08	1.04	1.00	0.95	0.91	0.90	0.90	0.87							
M10 0.53	301 THRU 500 HP	1.08	1.04	1.00	0.95	0.91	0.90	0.90	0.87	0.84						
M10 0.54	501 THRU 1,000 HP	1.07	1.04	1.00	0.96	0.91	0.91	0.90	0.87	0.84	0.81	0.78	0.75			
M10 0.55	OVER 1,000 HP	1.07	1.04	1.00	0.96	0.92	0.91	0.90	0.88	0.85	0.82	0.79	0.75	0.68	0.60	0.54
P10 0.00	PILE EXTRACTORS & LEADS	1.05	1.04	1.00	0.95											
P20 0.00	PILE HAMMERS, DOUBLE ACTING	1.05	1.04	1.00	0.95											
P25 0.00	PILE HAMMERS, SINGLE ACTING	1.05	1.04	1.00	0.95											

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

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
P30 0.00	PILE HAMMERS, VIBRATORY	1.05	1.04	1.00	0.95											
P35 0.00	PIPELAYERS	1.07	1.03	1.00	0.96	0.90	0.84	0.80	0.80							
P40 0.00	PLATFORMS, AERIAL WORK	1.13	1.04	1.00	0.95	0.87										
P45 0.00	PUMPS, GROUT	1.07	1.03	1.00	0.96	0.91										
P50 0.00	PUMPS, WATER, CENTRIFUGAL, TRASH															
P50 0.10	SKID MOUNTED															
P50 0.11	ENGINE DRIVE	1.07	1.04	1.00	0.96	0.90										
P50 0.12	ELECTRIC DRIVE	1.07	1.04	1.00	0.96	0.90										
P50 0.20	WHEEL MOUNTED															
P50 0.21	ENGINE DRIVE	1.07	1.04	1.00	0.96	0.90										
P50 0.22	ELECTRIC DRIVE	1.07	1.04	1.00	0.96	0.90										
P55 0.00	PUMPS, WATER, SUBMERSIBLE															
P55 0.01	ENGINE DRIVE	1.07	1.03	1.00	0.96	0.91	0.88									
P55 0.02	ELECTRIC DRIVE	1.07	1.03	1.00	0.96	0.91	0.88									
P60 0.00	PUMPS, WATER,CENTRIF,DEWATERING															
P60 0.10	SKID MOUNTED															
P60 0.11	ENGINE DRIVE	1.07	1.04	1.00	0.96	0.90										
P60 0.12	ELECTRIC DRIVE	1.07	1.04	1.00	0.96	0.90										
P60 0.20	WHEEL MOUNTED															
P60 0.21	ENGINE DRIVE	1.07	1.04	1.00	0.96	0.90										
P60 0.22	ELECTRIC DRIVE	1.07	1.04	1.00	0.96	0.90										
P65 0.00	PUMPS, WATER, DIAPHRAGM															
P65 0.10	SKID MOUNTED															
P65 0.11	ENGINE DRIVE	1.07	1.04	1.00	0.96	0.90										
P65 0.12	ELECTRIC DRIVE	1.07	1.04	1.00	0.96	0.90										

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

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
P65 0.20	WHEEL MOUNTED															
P65 0.21	ENGINE DRIVE	1.07	1.04	1.00	0.96	0.90										
P65 0.22	ELECTRIC DRIVE	1.07	1.04	1.00	0.96	0.90										
P70 0.00	PUMPS, WATER (FOR CORE DRILLS)															
P70 0.01	ENGINE DRIVE	1.07	1.04	1.00	0.96	0.90										
P70 0.02	ELECTRIC DRIVE	1.07	1.04	1.00	0.96	0.90										
R10 0.00	RIPPERS & HYDRAULIC BANK SLOPERS	1.07	1.03	1.00	0.96	0.90										
R15 0.00	ROLLERS, TOWED - PNEUMATIC	1.04	1.01	1.00	0.97	0.95	0.90									
R20 0.00	ROLLERS, TOWED - STEEL DRUM	1.04	1.01	1.00	0.97	0.95	0.90									
R30 0.00	ROLLERS, STATIC, SELF-PROPELLED															
R30 0.01	PNEUMATIC	1.04	1.01	1.00	0.97	0.95										
R30 0.02	SMOOTH DRUM	1.04	1.01	1.00	0.97	0.95	0.90									
R30 0.03	TAMPING FOOT	1.04	1.01	1.00	0.97	0.95	0.90									
R40 0.00	ROLLERS, VIBRATORY, TOWED	1.04	1.01	1.00	0.97	0.95										
R45 0.00	ROLLERS, VIBRATORY, DOUBLE DRUM,	1.04	1.01	1.00	0.97	0.95										
R50 0.00	ROLLERS, VIBRATORY, SINGLE DRUM	1.04	1.01	1.00	0.97	0.95										
R55 0.00	ROOFING EQUIPMENT	1.07	1.03	1.00	0.96											
S10 0.00	SCRAPERS, ELEVATING															
S10 0.01	0 THRU 200 HP	1.08	1.04	1.00	0.96	0.91	0.88									
S10 0.02	OVER 200 HP	1.07	1.04	1.00	0.96	0.91	0.89									
S15 0.00	SCRAPERS, CONVENTIONAL	1.07	1.04	1.00	0.96	0.91	0.89									
S20 0.00	SCRAPERS, TANDEM POWERED	1.07	1.04	1.00	0.96	0.91	0.89									
S25 0.00	SCRAPERS, TRACTOR DRAWN	1.07	1.04	1.00	0.96	0.91	0.89	0.85	0.84							
S30 0.00	SCREENING & CRUSHING PLANTS															
S30 0.10	CONVEYORS	1.07	1.03	1.00	0.96	0.91	0.88									

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

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
S30 0.20	CRUSHERS	1.07	1.03	1.00	0.96	0.91	0.89									
S30 0.30	SCREENING PLANT	1.07	1.03	1.00	0.96	0.91	0.88									
S35 0.00	SNOW REMOVAL EQUIPMENT	1.07	1.03	1.00	0.96	0.91										
S40 0.00	SOIL STABILIZERS	1.08	1.04	1.00	0.96	0.91	0.88									
S45 0.00	SPLITTERS, ROCK & CONCRETE	1.07	1.03	1.00	0.96											
T10 0.00	TRACTOR BLADES & ATTACHMENTS	1.07	1.03	1.00	0.96	0.90	0.84									
T15 0.00	TRACTORS, CRAWLER (DOZER)															
T15 0.01	0 THRU 225 HP	1.07	1.03	1.00	0.96	0.90	0.84									
T15 0.02	226 HP THRU 425 HP	1.07	1.03	1.00	0.96	0.90	0.84									
T15 0.03	OVER 425 HP	1.07	1.03	1.00	0.96	0.91	0.85	0.81	0.81							
T20 0.00	TRACTORS, WHEEL TYPE (DOZER)	1.04	1.02	1.00	0.97	0.95	0.93									
T25 0.00	TRACTORS, WHEEL TYPE (FARM)	1.04	1.02	1.00	0.97	0.95										
T30 0.00	TRENCHERS, CHAIN	1.05	1.01	1.00	0.97	0.95										
T35 0.00	TRENCHERS, WHEEL TYPE	1.05	1.01	1.00	0.97	0.95	0.93									
T40 0.00	TRUCK OPTIONS, (ADD TRUCK)															
T40 0.10	CRANES, HYDRAULIC	1.07	1.03	1.00	0.96	0.91										
T40 0.20	DUMP BODY, REAR	1.07	1.03	1.00	0.96	0.91										
T40 0.30	FLATBEDS, W/ CONT. SIDES	1.07	1.03	1.00	0.96	0.91										
T40 0.40	HOIST															
T40 0.41	ELECTRIC DRIVE	1.07	1.03	1.00	0.96	0.91										
T40 0.50	TRANSIT MIXERS	1.07	1.03	1.00	0.96	0.91										
T40 0.60	WATER TANKS	1.07	1.03	1.00	0.96	0.91										
T40 0.70	ALL OTHER OPTIONS	1.07	1.03	1.00	0.96	0.91										
T45 0.00	TRUCK TRAILERS,															
T45 0.10	BOTTOM DUMP	1.07	1.03	1.00	0.96	0.91	0.89									

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

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
T45 0.20	END DUMP	1.07	1.03	1.00	0.96	0.91	0.89									
T45 0.30	PUP TRAILER	1.07	1.03	1.00	0.96	0.91										
T45 0.40	LOWBOY (EQUIPMENT HAULING)															
T45 0.41	RIGID NECK, DROP DECK	1.07	1.04	1.00	0.96	0.90	0.87									
T45 0.50	PLATFORM TRAILER	1.07	1.04	1.00	0.96	0.90	0.87									
T45 0.60	TILT TRAILER	1.07	1.04	1.00	0.96	0.90	0.87									
T45 0.70	WATER TANKER TRAILER	1.07	1.04	1.00	0.96	0.90	0.87									
T45 0.80	DECONTAMINATION FACILITY	1.08	1.04	1.00	0.95	0.90										
T45 0.90	TANK TRAILERS	1.07	1.04	1.00	0.96	0.90	0.87									
T50 0.00	TRUCKS, HIGHWAY															
T50 0.01	0 THRU 10,000 GVW	1.08	1.04	1.00	0.98	0.94										
T50 0.02	OVER 10,000 THRU 30,000 GVW	1.08	1.04	1.00	0.98	0.94										
T50 0.03	OVER 30,000 GVW	1.08	1.04	1.00	0.98	0.94										
T55 0.00	TRUCKS, OFF-HIGHWAY	1.06	1.03	1.00	0.95	0.88	0.83	0.82	0.81							
T57 0.00	TRUCKS, VACUUM	1.07	1.03	1.00	0.96	0.91	0.88									
T60 0.00	TRUCKS, WATER, OFF-HIGHWAY	1.07	1.03	1.00	0.95	0.87	0.83	0.81	0.81							
T65 0.00	TUNNEL/MINING EQUIPMENT															
T65 0.10	DRIFTING & TUNNELING DRILLS	1.07	1.03	1.00	0.96	0.91	0.90	0.90	0.92	0.91						
T65 0.20	TUNNEL BORING MACHINES	1.06	1.03	1.00	0.96	0.92	0.89	0.87	0.86	0.85	0.84	0.82	0.76	0.68		
T65 0.30	PRODUCTION DRILLING RIGS	1.07	1.03	1.00	0.96	0.91	0.90	0.90	0.92							
T65 0.40	ROADHEADERS & CONTINUOUS MINERS	1.07	1.03	1.00	0.96	0.91	0.89	0.87	0.86	0.84	0.83					
T65 0.50	ROCK BOLTING EQUIPMENT	1.07	1.03	1.00	0.96	0.91	0.88									
T65 0.60	LOADING & HAULING EQUIPMENT															

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

CATEGORY SUB	TYPE OF EQUIPMENT	YEAR PURCHASED NEW														
		1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
T65 0.61	DIESEL OR GASOLINE	1.07	1.03	1.00	0.96	0.91	0.88	0.86	0.85							
T65 0.62	ELECTRIC	1.07	1.03	1.00	0.96	0.91	0.88	0.86	0.85	0.84						
T65 0.63	AIR-POWERED	1.07	1.03	1.00	0.96	0.91	0.88									
T65 0.70	LOCOMOTIVES	1.07	1.03	1.00	0.96	0.91	0.88	0.86	0.85							
T65 0.90	OTHER TUNNELING EQUIPMENT	1.07	1.03	1.00	0.96	0.91	0.88									
W10 0.00	WAGONS, BOTTOM DUMP	1.06	1.03	1.00	0.95	0.88	0.83	0.82	0.81							
W15 0.00	WAGONS, REAR DUMP	1.06	1.03	1.00	0.95	0.88	0.83	0.82	0.81							
W25 0.00	WATER & CO2 BLASTERS															
W25 0.10	LOW PRESSURE, (< 5,000 PSI)	1.07	1.04	1.00												
W25 0.20	HIGH PRESSURE, (>= 5,000 PSI)	1.07	1.03	1.00	0.96											
W25 0.30	STEAM CLEANERS	1.07	1.04	1.00												
W25 0.40	CO2 BLASTERS	1.07	1.03	1.00	0.96	0.91										
W30 0.00	WATER TANKS															
W30 0.10	PORTABLE W/ WHEELS	1.07	1.03	1.00	0.95	0.87	0.83	0.81	0.81							
W30 0.20	SKID MOUNTED	1.07	1.03	1.00	0.95	0.87	0.83	0.81	0.81							
W35 0.00	WELDERS															
W35 0.10	GASOLINE or DIESEL DRIVE	1.08	1.04	1.00	0.95	0.90										
W35 0.20	ELECTRICAL															
W35 0.21	ELECTRIC DRIVE	1.08	1.04	1.00	0.95											
W35 0.22	MIG	1.08	1.04	1.00	0.95											
W35 0.23	RECTIFIER	1.08	1.04	1.00	0.95											
W35 0.24	TRANSFORMER	1.08	1.04	1.00	0.95											

STANDBY RATE CALCULATION FOR OVERAGE EQUIPMENT

EXAMPLE

Assume the following set of given information for the rate calculation example:

A. **The unit of equipment is not listed in TABLE 2-1**

B. The equipment is contractor-owned

C. Data for the unit in question:

1. Clark front-end wheel loader
2. Model 125B, 4WD, 4 CY capacity
3. Serial number indicates year of manufacture = 1980
4. Actual purchase price was $119,995 in 1980
5. Horsepower is 210 hp
6. Drive tire size = 23.5 x 25, 16 PR, L-3

   Drive tire cost = 4 tires x $2,524 = $10,096 (in 1993)

D. TABLE 3-2, Age Adjustment Factors for Standby Costs:

1. Category L40.11 (wheel loaders < 225 hp)
2. Last age adjustment factor - 1987

E. Use the actual cost data as follows:
(See paragraph 3-5.c.)

1. Purchase price (TEV) = $119,995
2. Year of manufacture = 1980

F. Estimate rate as follows in accordance with Figure 2-1, Equipment Rate Computation Worksheet for Standby Calculations

Figure 3-2. Standby Hourly Rate Calculation for Overage Equipment

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

1. **EQUIPMENT INFO & EXPENSE FACTORS**

For ID No. *N/A*

a. Equipment Specification Data:

(1) Equipment Description: *CLARK FRONT-END LOADER*

(2) Model and Series: *125B 4 CY*

(3) Present Year or Year of Use: *1993* (4) Year Manufactured or Purchased: *1980* *

(5) Horsepower - Equipment: *210* *(FIRST YEAR OF ECONOMIC LIFE = 1986)

(6) Horsepower - Carrier: *–*

(7) Fuel type: - Equipment: gas,diesel off-road, diesel on-road, electric, or air *D-OFF*

- Carrier: gas,diesel off-road, diesel on-road, electric, or air *–*

(8) Shipping Weight (CWT): *367*

(9) Tire size and number of tires: Total Cost of tires based on 1a. (3)

(a)	Front:	No.:		Size/Ply:		Cost: $
(b)	Drive:	No.:	*4*	Size/Ply:	*23.5x25 16PR*	Cost: $ *10,096*
(c)	Trailing:	No.:		Size/Ply:		Cost: $

(d) Total Tire Cost: $ *10,096*

USE APPENDIX D TO COMPLETE THE FOLLOWING DATA:

b. Category and Sub-category Number: *L40 0.11*

c. Hourly Expense Calculation Factors:

(1) Economic Key (EK): *45*

(2) Condition (C): *Average Condition, A*

(3) Discount Code (DC): B = 7.5% (0.075) or S = 15.0% (0.15) *7.50%*

(4) Life in Hours (LIFE): *10,000*

(5) Salvage Value Percentage (SLV): *0.25*

(6) Fuel Factor - Equipment (E G D): *0.036*

(7) Fuel Factor - Carrier (E G D): *0.000*

(8) FOG Factor (E G D): *0.42*

(9) Tire Wear Factor:

(a) Front (FT): *0.70*

(b) Drive (DT): *0.42*

(c) Trailing (TT): *0.00*

(10) Repair Cost Factor (RPR): *0.70*

Page 1 of 6

Figure 3-2. Standby Hourly Rate Calculation for Overage Equipment (continued)

2. EQUIPMENT VALUE

a. List Price + Accessories: (*at Year of Manufacture*) = $ _____ –

(1) Discount: (List Price) x (Discount Code)
[1.c.(3)]

(_____ –) x (_____ –) = - ($ _____ –)

(2) Subtotal: [2.a.] - [2.a.(1)] S/T $ _____ –

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

(_____ –) x (_____ –) = $ _____ –

(4) Total Discounted Price - Subtotal: [2.a.(2)] + [2.a.(3)] S/T $ _____ –

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

(_____ – CWT) x (_____ –) = $ _____ –

c. TOTAL EQUIPMENT VALUE (TEV): [(2.a.(4)] + [(2.b)] 2. TOTAL: $ 119,995

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

3. DEPRECIATION PERIOD (N)

a. (LIFE) / (Working Hours Per Year (WHPY)) = N
[1.c.(4)] [APPENDIX B]

(10,000 Hrs) / (1,700 Hrs/Yr) 3. TOTAL = 5.88 Yrs(N)

Note: Depreciation period (N) and the actual age in years are not the same.

4. OWNERSHIP COST

a. Depreciation

(1) Tire Costs Index (TCI):

(Tire Index, Yr of Mfgr) / (Tire Index, Based on 1a.(3)) = Tire Cost Index (TCI)
[APPENDIX E,EK=100] / [APPENDIX E,EK=100]

(2369) / (2664) = 0.889 (TCI)
(for 1980) (for 1993)

Page 2 of 6

Figure 3-2. Standby Hourly Rate Calculation for Overage Equipment (continued)

4. OWNERSHIP COST (Continued)

a. Depreciation:

(2) [(TEV) x [1.0 - (SLV)] - [(TCI) x (Tire Cost)]] / (LIFE)
[2.c.] [1.c.(5)] [4.a.] [1.a.(9)(d)] [1.c.(4)]

[(119,995) x [1.0 -(0.25)] - [(0.889) x (10,096)]]/ (10,000)

= $ 8.10 /Hr

b. Facilities Capital Cost of Money (FCCM):

(1) [[(N) - 1.0] x [1.0 + (SLV)] + 2.0] / [2.0 x (N)] = Avg Value Factor (AVF)
[3.a.] [1.C.5.] [3.a.]

[[(5.88 Yrs) - 1.0] x [1.0 + (0.25)] + 2.0] / [2.0 X (5.88 Yrs)]

= 0.689 (AVF)

(2) (TEV) x (AVF) x (Adjusted Cost-of-Money) / (WHPY)
[2.c.] [4.b.(1)] [APPENDIX B] [APPENDIX B]

(119,995) x (0.689) x (0.0520) / (1,700 Hrs/Yr)

= $ 2.53 /Hr

c. TOTAL HOURLY OWNERSHIP COST: [4.a.(2)] + [4.b.(2)] **4. TOTAL:** $ — /Hr

5. OPERATING COST

a. Fuel Costs:

(1) Equipment:

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

(_____) x (_____ HP) x (_____ /Gal) = $ — /Hr

(2) Carrier:

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

(_____) x (_____ HP) x (_____ /Gal) = $ — /Hr

(3) TOTAL HOURLY FUEL COSTS: [(5.a(1)] + [5.a(2)] Total 5.a. = $ — /Hr

Page 3 of 6

Figure 3-2. Standby Hourly Rate Calculation for Overage Equipment (continued)

5. **OPERATING COST** (Continued)

b. FOG Cost:

(1) Equipment:

(FOG Factor) x (Equipment Fuel Cost) x LAF
[1.c.(8)] [5.a.(1)] [APPENDIX B]

(_____) x (_____ /Hr) x (_____) = $ _____ — /Hr

(2) Carrier:

(FOG Factor) x (Carrier Fuel Cost) x LAF
[1.c.(8)] [5.a.(2)] [APPENDIX B]

(_____) x (_____/Hr) x (_____) = $ _____ — /Hr

(3) TOTAL HOURLY FOG COST: [(5.b.(1)] + [5.b.(2)] Total 5.b. = $ _____ — /Hr

c. Repair Cost:

(1) Economic Adjustment Factor (EAF): (from EK = [1 c.(1)])

(Economic Index for Year 1a.(3)) / (Economic Index for Year 1a.(4))
[APPENDIX E] *(for 1993)* [APPENDIX E] *(for 1986 first yr of econ life)*

(_____) / (_____) = _____ (EAF)

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

(2) Repair Factor:

(RPR) x (EAF) x (LAF) = Repair Factor (RF)
[1.c.(10)] [5.c.(1).] [APPENDIX B]

(_____) x (_____) x (_____) = _____ (RF)

(3) Repair Cost

[(TEV) - [(TCI) x (Tire Cost)]] x (RF) / (LIFE)
[2.c.] [4.a. (1)] [1.a.(9)(d)] [5.c.(2)] [1.c.(4)]

[(_____) - [(_____) x (_____)]] x (_____) / (_____)

Total 5.c. = $ _____ — /Hr

Page 4 of 6

Figure 3-2. Standby Hourly Rate Calculation for Overage Equipment (continued)

5. OPERATING COST (Continued)

d. Tire Wear Cost: *(Use current price levels)*

(1) Front Tires:

[1.5 x (FT Cost)] / [1.8 x (FT Wear Factor) x (Maximum Tire Life/Hrs)]
[1.a.(9)(a)] [1.c.(9)(a)] [APPENDIX G]

[1.5 x (_____)] / [1.8 x (_____) x (_____ /Hrs)]

= $ _____ **/Hr**

(2) Drive Tires:

[1.5 x (DT Cost)] / [1.8 x (DT Wear Factor) x (Maximum Tire Life/Hrs)]
[1.a.(9)(b)] [1.c.(9)(b)] [APPENDIX G]

[1.5 x (_____)] / [1.8 x (_____) x (_____ /Hrs)]

= $ _____ **/Hr**

(3) Trailing Tires:

[1.5 x (TT Cost)] / [1.8 x (TT Wear Factor) x (Maximum Tire Life/Hrs)]
[1.a.(9)(c)] [1.c.(9)(c)] [APPENDIX G]

[1.5 x (_____)] / [1.8 x (_____) x (_____ /Hrs)]

= $ _____ **/Hr**

(4) TOTAL TIRE WEAR COST: [Sum 5.d.(1) through 5.d.(3)] Total 5.d. = $ _____ **/Hr**

e. Tire Repair Cost:

(Total Tire Wear) x 0.15 X LAF
[5.d.(4)] [APPENDIX B]

(_____) x 0.15 X (_____) Total 5.e. = $ _____ **/Hr**

f. TOTAL OPERATING COST: [Sum 5.a through 5.e] **5. TOTAL: $** _____ **/Hr**

Page 5 of 6

Figure 3-2. Standby Hourly Rate Calculation for Overage Equipment (continued)

6. **HOURLY RATES**

a. **Total Hourly Rate:** *(based on 40 hours per week)*

(Ownership Cost) + (Operating Cost)
[4.c.] [5.f]

(_____ /Hr) + (_____ /Hr) = $ _____ /Hr

b. **Standby Hourly Rate:**

[(Depreciation) x 0.50] + (FCCM)
[4.a.(2)] [4.b.(2)]

[(8.10 /Hr) x 0.50] + (2.53 /Hr) = $ 6.58 /Hr

(See Chapter 3 if rate adjustments are necessary.)

Page 6 of 6

Figure 3-2. Standby Hourly Rate Calculation for Overage Equipment (continued)

TABLE 3–3

SHIFT ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

(EXAMPLE)

The "Shift Adjustment Factors" in TABLE 3–3 are used when the working hours per week are greater than 40 hours per week. The factors given in TABLE 3–3 are multiplied by the adjusted hourly ownership cost (if adjusted for age) and the 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 3–1 is to be worked 10 hours per day, 6 days per week (60 hours per week). The total hourly rate for this piece of equipment can be determined as follows (service life = 16,000 hours).

Total hourly rate (adjusted for age)	$49.00
Ownership rate per hour (adjusted for age)	($24.00)
Ownership rate per hour adjusted for work hours (Ownership rate = $24.00) x (Shift adjustment factor = .91)	$21.84
Adjusted total hourly rate	$46.84

TABLE 3-3. SHIFT ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

Service Life From APP. D	EQUIPMENT USEAGE - HOURS PER WEEK												
	40	45	48	54	60	66	72	80	90	100	110	120	140
3,500	1.00	0.99	0.98	0.98	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93
4,000	1.00	0.99	0.98	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92
5,000	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
5,500	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
6,000	1.00	0.98	0.98	0.96	0.95	0.94	0.94	0.93	0.92	0.92	0.91	0.91	0.90
6,500	1.00	0.98	0.98	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89
7,000	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
8,000	1.00	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	0.90	0.89	0.88	0.88
9,000	1.00	0.98	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.87
10,000	1.00	0.98	0.97	0.95	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85
11,000	1.00	0.98	0.96	0.94	0.93	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84
12,000	1.00	0.97	0.96	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.85	0.83
13,000	1.00	0.97	0.96	0.94	0.92	0.90	0.89	0.88	0.86	0.85	0.84	0.84	0.83
14,000	1.00	0.97	0.96	0.93	0.91	0.90	0.89	0.87	0.86	0.85	0.84	0.83	0.82
15,000	1.00	0.97	0.95	0.93	0.91	0.89	0.88	0.86	0.85	0.84	0.83	0.82	0.81
16,000	1.00	0.97	0.95	0.93	0.91	0.89	0.87	0.86	0.84	0.83	0.82	0.81	0.80
18,000	1.00	0.97	0.95	0.92	0.90	0.88	0.86	0.85	0.83	0.82	0.81	0.80	0.78
20,000	1.00	0.96	0.95	0.92	0.89	0.87	0.85	0.84	0.82	0.80	0.79	0.78	0.77
22,000	1.00	0.96	0.94	0.91	0.88	0.86	0.85	0.83	0.81	0.79	0.78	0.77	0.75
26,000	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
30,000	1.00	0.95	0.93	0.89	0.86	0.84	0.81	0.79	0.77	0.75	0.73	0.72	0.70
50,000	1.00	0.94	0.91	0.86	0.82	0.79	0.76	0.73	0.70	0.68	0.66	0.64	0.61

CHAPTER 4

METHODOLOGY FOR DREDGING PLANT

SECTION I. GENERAL

4-1. Contents. This chapter contains the methodology used to compute ownership and operating rates for dredging plant.

4-2. General. Use rates for ownership and operating costs have not been developed for dredging plant since this type of equipment is normally custom designed and built.

a. Ownership and operating cost factors as shown in TABLE 4-1 are for various types of plant. When a type of plant is not listed, the expense factors may be estimated by using the factors listed for a similar type of plant.

b. This rate methodology applies only to dredges and floating attendant plant engaged in any type of large scale dredging operation. Small portable hydraulic dredges with discharge diameters of 12 inches or less, clamshell dredges less than 5 cubic yard capacity, and marine equipment (non-dredging) not listed in TABLE 4-1 shall have rates developed using the methodology in Chapter 2.

c. Hopper dredge factors and rate methodology are not included in this chapter. These factors have been omitted primarily due to the limited number of hopper dredges and the complexity of the methodology used to calculate rates. Hopper dredge rates can be determined using the Corps of Engineers' Dredge Estimating Program (CEDEP). Information on dredge estimating programs can be obtained by contacting the Jacksonville District Cost Engineering Branch.

SECTION II. ANNUAL USE

4-3. Time Available to Dredge.

a. The number of months available per year for the contract dredge shall be based on the work time available to dredge, excluding downtime for major repairs including work in dry dock, bad weather, and environmental restrictions. However, due to the mobility of the dredge, uncertainty of environmental regulations, and other constraints placed on the dredge, the availability is difficult to determine. Therefore Figure 4-1, Months Available by Region, depicts estimated months available for dredging based on data collected from Corps of Engineers' regional dredge estimating teams. This information shall be used in lieu of available months being specified in the contract documents.

b. The basis for estimating operating hours of use per month must be documented in the estimate by the cost engineer.

MONTHS AVAILABLE TO DREDGE BY REGION

Region	Type of Dredge Operation		
	Pipeline	Bucket	Hopper
Atlantic Coast and tributaries	9	10	10
Gulf Coast, Lower Mississippi (St. Louis south) and tributaries	10	10	11
Great Lakes, Upper Mississippi (St. Louis north) and tributaries	8	8	8
West Coast and tributaries	9	9	9

Figure 4-1. - Months Available by Region

SECTION III. LIFE

4-4. Economic Life. The expected economic life in thousands of hours for various types of dredge plant shown in TABLE 4-1 is based on average dredging conditions. The values for estimated economic life are based on working in salt water conditions. If adjustments need to be made, the adjustment should be made only for the time required to dredge the exceptional material. Adjustments can be made under the following circumstances:

a. When more severe conditions are encountered, such as the dredging of very abrasive sand or rock, the expected life should be decreased.

b. When better than average conditions are encountered, such as dredging mud or silt, the expected life should be increased.

c. When the dredged material is a combination of various types, a weighted average should be estimated and the expected life adjusted accordingly.

4-5. Annual Hours Available. The annual hours available to dredge can be established for each type of plant based on the months available and the estimated monthly hours worked. The total annual hours available can be expressed by formula, as follows:

Available Hours/Year = Months Available x Hours/Month

4-6. Life in Years. Based on the estimated economic life of the dredge plant in hours and the annual hours available, the life in years is determined. The life in years will vary depending on these parameters and is expressed by formula, as follows:

Life in Years (N) = Life in Hours / Available Hours per Year

SECTION IV. SALVAGE VALUE

4-7. Salvage Value. The salvage value (SLV), expressed as a decimal, is shown in TABLE 4-1 for different types of plant.

SECTION V. OWNERSHIP COST

4-8. Ownership Cost. Ownership expense is expressed as a percent of plant value, which is defined as the actual acquisition cost plus any initial capital improvements. The value of initial capital improvements should be based on those betterments which were made within one year of purchase. Capital improvements should not include any replacement or repair work.

a. The ownership rate is determined from the plant value and the total expense rate for depreciation and FCCM. When cost or pricing data is available, the actual acquisition price shall be used. Otherwise, the value of a similar piece of plant is used and, if necessary, adjusted so that capacity, size, and horsepower are properly considered.

b. Ownership expense is determined on an yearly basis using the following formula:

Ownership Per Year = Plant Value x (DEPR + FCCM)

where:

DEPR = Ownership percent per year for depreciation

FCCM = Ownership percent per year for Facilities Capital Cost of Money

4-9. Depreciation. Depreciation is computed using the straight-line method. The depreciable value is the acquisition cost, plus initial capital improvements, less estimated salvage. The basis for determining the yearly percentage factor for depreciation is expressed by formula, as follows:

DEPR %/Year = 1-SLV / N

where:

N = Life in Years
SLV = Salvage Value

4-10. Facilities Capital Cost of Money. Facilities capital cost of money (FCCM) is computed as shown in paragraph 2-17, except that FCCM is determined on a yearly basis instead of an hourly basis and is expressed here as an annual percentage factor. The cost-of-money rate (CMR) in effect at the time the work is performed or current rate shall apply. This formula is expressed as follows:

$$\text{FCCM \%/Year} = \frac{[(N-1)(1+SLV)+2](CMR)}{2N}$$

where:

CMR = Cost-of-money rate reduced by 25.0% for overhead and profit allowance

4-11. Other Ownership Elements. Taxes, storage (lay-up), and insurance are considered indirect (overhead) costs (see Chapter 2). 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.

SECTION VI. OPERATING FACTORS

4-12. Hourly Operating Factors. Dredge plant operating factors are shown in TABLE 4-1. The hourly operating factors provided are estimated. It is intended that these factors be used only if the estimator does not have factual data available.

4-13. Prime and Secondary Power. Prime power refers to the primary operating engine for the dredge or other piece of attendant plant. Secondary power refers to all other secondary engines or power plants. If more than one of these engines is present, the horsepower should be totaled. Fuel consumption factors are prepared on the same basis as Chapter 2. If the estimator has more specific fuel consumption information, the horsepower factor (HPF) may be adjusted to reflect job conditions. The HPF factor is shown for information only in non-decimal format.

4-14. Water, Lube, and Supplies (WLS). This factor is similar to the FOG factor described in Chapter 2. This item is computed as either a percentage of the hourly fuel costs or, if the type of plant has no engine, a reasonable hourly cost should be included. This factor does not include an allowance for the oiler normally assigned to the dredge or other piece of dredge plant.

4-15. Repairs (RPR). This factor includes an allowance for all major and minor repairs and is similar to the maintenance and repair cost factor described in Chapter 2. The economic adjustment factor (EAF) and the labor adjustment factor (LAF) are required to develop this cost. It should be noted that the repair allowance does not include the following estimated additive items:

a. Excessive dredge wear for parts such as cutter teeth and main suction pumps are not included due to the wide variety of materials being dredged. Bucket wear for mechanical dredges is estimated as an additive item or treated as a separate unit of equipment from TABLE 2-1. Allowances for wear due to abrasive material should only be included as an additive item if it is warranted and is not considered elsewhere in the estimate.

b. Dry docking costs, which represent an allowance for rental of the dry dock facility, are not included because they vary greatly depending on the facilities available. Repairs incurred while in dry dock, which occur periodically, are in the repair factor (RPR). Dry docking costs will be allocated on an average annual basis over the years between such occurrences (in accordance with FAR 31.205-24).

c. There is no predetermined allowance in the dredge plant methodology for jobsite yard costs, mobilization, or demobilization. All of these cost elements must be separately estimated to match each project's construction conditions.

4-16. Standby Rate. The standby rate is computed by allowing the full FCCM rate plus one-half of the depreciation. In addition to the standby ownership rate, it may be necessary on dredges to include a generator fuel allowance to account for operation of a diesel engine generator for power to operate pumps, navigation lights, etc. Standby will not be allowed during periods when the plant would have otherwise been in idle status.

SECTION VII. RATE CALCULATION EXAMPLE

4-17. Rate Calculation Example. The following example shown in Figure 4-2, Dredge Plant Ownership and Operating Worksheet, illustrates the use of TABLE 4-1 and the regional data to generate a rate.

a. Ownership is determined by calculating yearly percentages to account for FCCM and depreciation. Operating costs are determined by utilizing formulas from Chapter 2 for FUEL, FOG (WLS), and REPAIRS.

b. For illustration purposes, assume that a 24" hydraulic dredge was purchased new in 1985 for $3,700,000 including tax and delivery, and there were no initial capital improvements. This example uses 500 hours per month and a reduced cost-of-money rate (CMR) of 5.20%.

This page left blank intentionally

TABLE 4-1
DREDGE PLANT EXPENSE FACTORS

TYPE OF PLANT	LIFE (HRS)	SALVAGE VALUE (SLV)	PRIME ENGINE FUEL FACTOR HPF	G	D	SECONDARY ENGINE FUEL FACTOR HPF	G	D	WLS (%) G	D	RPR (%)
HYDRAULIC DREDGES – PIPELINE											
(CUTTERHEAD OR DUSTPAN)											
(BASED ON DISCHARGE DIAMETER)											
(NON-TRUCKABLE)											
15" AND UNDER	20,000	0.10	80	0.083	0.045	70	0.072	0.039	22	24	80
16-INCH THRU 19-INCH	30,000	0.10	80	0.083	0.045	70	0.072	0.039	22	24	90
20-INCH THRU 23-INCH	45,000	0.10	80	0.083	0.045	70	0.072	0.039	22	24	100
24-INCH THRU 29-INCH	60,000	0.10	80	0.083	0.045	70	0.072	0.039	22	24	110
30-INCH OR LARGER	75,000	0.10	80	0.083	0.045	70	0.072	0.039	22	24	120
BOOSTERS – BARGE-MOUNTED											
(FOR PIPELINE DREDGES)											
15" AND UNDER	18,000	0.15	80	0.083	0.045	70	0.072	0.039	20	22	75
16-INCH THRU 19-INCH	26,000	0.15	80	0.083	0.045	70	0.072	0.039	20	22	80
20-INCH THRU 23-INCH	40,000	0.15	80	0.083	0.045	70	0.072	0.039	20	22	85
24-INCH THRU 29-INCH	55,000	0.15	80	0.083	0.045	70	0.072	0.039	20	22	90
30-INCH OR LARGER	70,000	0.15	80	0.083	0.045	70	0.072	0.039	20	22	95
MECHANICAL DREDGES											
(LARGE)											
CLAMSHELL – 5 CY TO 15 CY	30,000	0.15	70	0.072	0.039	60	0.000	0.000	22	24	110
CLAMSHELL – 15 CY AND LARGER	40,000	0.15	70	0.072	0.039	60	0.000	0.000	22	24	120
ALL OTHER TYPES (BUCKET OR DIPPER)	40,000	0.15	70	0.072	0.039	60	0.000	0.000	22	24	120
BARGES											
(USED WITH DREDGING)											
FUEL OR WATER	40,000	0.05	20	0.000	0.011	20	0.000	0.011	0	20	60
EQUIPMENT OR WORK	40,000	0.05	20	0.000	0.011	20	0.000	0.011	0	20	60
DERRICK	40,000	0.10	20	0.000	0.011	20	0.000	0.011	0	20	70
ANCHOR	40,000	0.05	20	0.000	0.011	20	0.000	0.011	0	20	60
MOORING BARGE	40,000	0.05	20	0.000	0.011	20	0.000	0.011	0	20	60
DUMP SCOW	40,000	0.05	20	0.000	0.011	20	0.000	0.011	0	20	70
TUGS & TENDERS											
(USED WITH DREDGING)											
1000 HP AND UNDER	25,000	0.10	80	0.083	0.045	70	0.072	0.039	32	38	100
OVER 1000 HP	35,000	0.10	80	0.083	0.045	70	0.072	0.039	32	38	110
BOATS – SEE CATEGORY M10.50											

TABLE 4 – 1
DREDGE PLANT EXPENSE FACTORS (continued)

TYPE OF PLANT	LIFE (HRS)	SALVAGE VALUE (SLV)	PRIME ENGINE FUEL FACTOR HPF	G	D	SECONDARY ENGINE FUEL FACTOR HPF	G	D	WLS (%) G	D	RPR (%)
PIPELINE & ACCESSORIES											
(CALM ENVIRONMENT)											
METAL PIPELINE (UNDER 20")											
PUMPING MUD	9,000	0.20	0	0.000	0.000	0	0.000	0.000	0	0	5
PUMPING SAND	4,500	0.20	0	0.000	0.000	0	0.000	0.000	0	0	5
PUMPING ROCK (GRAVEL)	1,500	0.20	0	0.000	0.000	0	0.000	0.000	0	0	5
JOINTS	12,000	0.20	0	0.000	0.000	0	0.000	0.000	0	0	30
PONTOONS/FLOATS	60,000	0.20	0	0.000	0.000	0	0.000	0.000	0	0	5
METAL PIPELINE (20" AND LARGER))											
PUMPING MUD	12,000	0.20	0	0.000	0.000	0	0.000	0.000	0	0	5
PUMPING SAND	6,000	0.20	0	0.000	0.000	0	0.000	0.000	0	0	5
PUMPING ROCK (GRAVEL)	2,000	0.20	0	0.000	0.000	0	0.000	0.000	0	0	5
JOINTS	12,000	0.20	0	0.000	0.000	0	0.000	0.000	0	0	30
PONTOONS/FLOATS	60,000	0.20	0	0.000	0.000	0	0.000	0.000	0	0	5
PIPELINE & ACCESSORIES											
(OCEAN ENVIRONMENT)											
METAL PIPELINE (ALL SIZES)											
PUMPING MUD	9,000	0.40	0	0.000	0.000	0	0.000	0.000	0	0	5
PUMPING SAND	4,500	0.40	0	0.000	0.000	0	0.000	0.000	0	0	5
PUMPING ROCK (GRAVEL)	1,500	0.40	0	0.000	0.000	0	0.000	0.000	0	0	5
JOINTS	4,500	0.40	0	0.000	0.000	0	0.000	0.000	0	0	5
PONTOONS/FLOATS	9,000	0.40	0	0.000	0.000	0	0.000	0.000	0	0	5
METAL SHORELINE											
PUMPING MUD	12,000	0.20	0	0.000	0.000	0	0.000	0.000	0	0	5
PUMPING SAND	6,000	0.20	0	0.000	0.000	0	0.000	0.000	0	0	5
PUMPING ROCK (GRAVEL)	2,000	0.20	0	0.000	0.000	0	0.000	0.000	0	0	5

1. PERTINENT DATA:

a.	Plant Description.....	>	24" Hydraulic Cutter Suction Dredge
b.	Model & Series.....	>	Ellicott Series 4900 Super Dragon
c.	Prime Engine Horsepower.....	>	3,730 HP
d.	Secondary Engine(s) Horsepower.		
	(1) Electrical Generators.....	>	200 HP
	(2) Hydraulic System.....	>	1,325 HP
	(3) Cutter Head Drive.....	>	750 HP
	(4) Hydraulic Water Jet.....	>	200 HP
	Total Secondary HP	>	2,475 HP
e.	Plant Value		
	(1) Acquisition Price.....	>	$3,700,000
	(2) Capital Improvements.....	>	$0
	Total Plant Value		$3,700,000
f.	Acquistion Year.....	>	1985
g.	Present Year.....	>	1993
h.	Cost of Money Rate (Undiscounted)..	>	6.500 %
i.	Use Discounted Money Rate (6.500% / 1.25) =		5.200%
j.	Hours Worked per Month.....	>	500 hrs/mo
k.	Additive Item(s) (Monthly Costs to be Estimated)		
	(1) Dredge Wear (Mud, Sand or Gravel)	>	$8,000 /month
	(2) Dry Docking (Use of Facilities)	>	$8,000 /month
	(3) Yard cost (Support)	>	$5,000 /month
	(4) _____	>	_____ /month
	(5) _____	>	_____ /month

Input Data, Methodology and Notes used in the Following Sections of this form are taken from or have reference to EP 1110-1-8, CONSTRUCTION EQUIPMENT OWNERSHIP AND EXPENSE SCHEDULE (See Chapter 4)

For information on Cost of Money Rate and Calculation of FCCM, see paragraph 4-10.

Past Cost of Money Rates are located in APPENDIX K.

SHEET 1 OF 5

FIGURE 4-2 – DREDGE PLANT OWNERSHIP AND OPERATING RATE WORKSHEET

2. APPENDIX "B" DATA:

a. LAF (Labor Adjustment Factor)..... > 0.870

b. Fuel Type..... > Diesel (Off–Road)

(1) Fuel Cost per Gallon..... > $0.84 /gallon

3. APPENDIX E DATA: (EK 105)

a. Economic Index for Acquisition Year.... > 3749 <for 1985>

b. Economic Index for Present Year..... > 4718 <for 1993>

4. TABLE 4–1 DATA:

a. Life (in Hours) > 60,000 Hours

b. SLV (Salvage Value Factor)..... > 0.10

c. Prime Engine Fuel Factor..... > 0.045

d. Secondary Engine Fuel Factor..... > 0.039

e. WLS (Water, Lube & Supplies Factor)..... > 24 % = 0.24

f. RPR (Repair Cost Factor)..... > 110 % = 1.10

5. Life in Years:

a. Months Available per year..... > 10 months/year

(Months available per year based on Gulf Coast, Lower Mississippi & Tributaries Region, Figure 4–1)

b. Hours Available per year: = (Hours Worked per Month x Months Available per year)

(500 hrs/mo x 10 mos/yr) = 5,000 hours/year

c. N (Life in years): = (Life in Hours / Hours Available Per Year)

(60,000 hours / 5,000 hours/yr) = 12.00 years

SHEET 2 of 5

FIGURE 4–2 – DREDGE PLANT OWNERSHIP AND OPERATING RATE WORKSHEET (continued)

6. Ownership Expense Percent per Year

a. Depreciation Percent (%): = (1.0 – SLV) / N

(1.0 – 0.10) / 12.00 = 7.50%

b. FCCM Percent (%): = [(N–1)(1+SLV) + 2] x Discounted Money Rate / 2N

[(12.00 – 1)(1 + 0.10) + 2] x 5.200% / (2 x 12.00) = 3.06%

c. Total Ownership Percent Per Year....(7.50% + 3.06%) = 10.56%

7. OWNERSHIP COSTS:

a. Yearly Ownership Expense: = (Total Plant Value x Total Yearly Ownership %)

($3,700,000 x 10.56%) = $390,720 /year

b. Monthly Ownership Expense: = (Yearly Ownership Expense / Yearly Months Available)

($390,720 /yr / 10 mos/yr) = $39,072 /month

8. OPERATING COSTS:

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

(1) Prime Engine Fuel:

(0.045 x 3,730 HP x $0.84 /gal) = $140.99 /hour

(2) Secondary Engine Fuel:

(0.039 x 2,475 HP x $0.84 /gal) = $81.08 /hour

b. Water, Lube & Supply Cost = (WLS factor x Hourly Fuel Cost)

(1) Prime Engine WLS:

(0.24 x $140.99 /Hr) = $33.84 /hour

(2) Secondary Engine WLS:

(0.24 x $81.08 /Hr) = $19.46 /hour

SHEET 3 OF 5

FIGURE 4–2 – DREDGE PLANT OWNERSHIP AND OPERATING RATE WORKSHEET (continued)

8. OPERATING COSTS (Continued):

c. Repair Cost:

(1) EAF (Economic Adjustment Factor)

= (Economic Index for Present Year / Economic Index for Acquisition Year)

(4718 <for 1993> / 3749 <for 1985>) = 1.258

(2) Repair Cost:

= (Total Plant Value x RPR x EAF x LAF) / Life in hrs

($3,700,000 x 1.10 x 1.258 x 0.870) / 60,000 hrs = $74.24 /hour

d. Total Hourly Operating Cost = (Fuel + WLS + Repairs)

($140.99 + $81.08 + $33.84 + $19.46 + $74.24) = $349.61 /hour

e. Monthly Operating Cost: = (Total Hourly Operating Cost x Hours Worked per Month)

($349.61 /hour x 500 hours/month) = $174,805 /month

9. SUBTOTAL MONTHLY EXPENSE = (OWNERSHIP + OPERATING)

($39,072 /month + $174,805 /month) = $213,877 /month

10. ESTIMATED ADDITIVE ITEMS (Sheet 1, Item k.):

a.	(1)	Dredge Wear (Mud, Sand or Gravel)	$8,000	/month
	(2)	Dry Docking (Use of Facilities)	$8,000	/month
	(3)	Yard cost (Support)	$5,000	/month
	(4)			/month
	(5)			/month
b.		Subtotal – Estimated Additive Items	$21,000	/month

11. TOTAL MONTHLY RATE (Items 9 + 10 b.) $234,877 /month

See Following Sheet for Standby Allowance.

SHEET 4 OF 5

FIGURE 4–2 – DREDGE PLANT OWNERSHIP AND OPERATING RATE WORKSHEET (continued)

12. STANDBY ALLOWANCE

a. Yearly Standby Expense:

= [((0.50 x Depr. %) + FCCM %) x Plant Value]

[((0.50 x 7.50%) + 3.06%) x $3,700,000] = $251,970 /year

b. Monthly Standby Expense:

= (Yearly Standby Expense / Yearly Months Available)

($251,970 /yr / 10 mos/yr) = $25,197 /month

c. STANDARD HOURLY STANDBY EXPENSE:

= (Monthly Standby Expense / Hours Worked per Month)

($25,197 /month / 500 hours/month) = $50.39 /hour

An additional generator fuel allowance may be allowed under certain circumstances. This allowance is applicable to dredges only.

d. Generator Fuel Allowance for a Dredge:

= ((Generator HP / Total Secondary HP) x Secondary Fuel Cost)

((200 HP / 2,475 HP) x $81.08) = + $6.55 /hour

e. TOTAL HOURLY STANDBY ALLOWANCE FOR A DREDGE:

= (Standby Allowance + Generator Fuel Allowance)

($50.39 + $6.55) = $56.94 /hour

SHEET 5 OF 5

FIGURE 4-2 – DREDGE PLANT OWNERSHIP AND OPERATING RATE WORKSHEET (continued)

This page left blank intentionally

APPENDIX A

REFERENCES

SECTION I.
REQUIRED PUBLICATIONS

FAR 31.105 — Construction and Architect-Engineer Contracts", Federal Acquisition Regulation, Government Printing Office, Washington, D.C., 1992.

FAR 31.205-10 — Cost of Money", Federal Acquisition Regulation, Government Printing Office, Washington, D.C., 1992.

FAR 31.205-24 — Maintenance and Repair Costs", Federal Acquisition Regulation, Government Printing Office, Washington, D.C., 1992.

DPC #76-2 — 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.

Producer Prices and Price Indexes, U. S. Department of Labor, Bureau of Labor Statistics, Government Printing, Office, Washington, D.C., 1957 through 1992.

SECTION II:
RELATED PUBLICATIONS

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

Bulletin B-502, Goodyear Tire and Rubber Company, Akron, Ohio, May 1992.

Caterpillar Performance Handbook, 23rd ed, Caterpillar Tractor Company, Peoria, Illinois, 1992.

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

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

APPENDIX A (Continued)

SECTION II:
RELATED PUBLICATIONS (Continued)

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

Green Guide for Off-Highway Trucks and Trailers, Dataquest, Inc., Palo Alto, California, 1988, 1992, and 1993.

Green Guide Volume I, Dataquest, Inc., Palo Alto, California, 1992, and 1993.

Green Guide Volume II, Dataquest, Inc., Palo Alto, California, 1992, and 1993.

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

Means 1993 Labor Rates for the Construction Industry, 18th ed, R. S. Means Company, Inc., Kingston, Massachusetts, 1991.

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

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

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

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

APPENDIX A

SECTION III:
EFAR REFERENCE

31 July 1989 31.1-1

PART 31
CONTRACT COST PRINCIPLES AND PROCEDURES

SUBPART 31.1 -- APPLICABILITY

31.105 Construction and Architect-Engineer Contracts.

(d)(2)(i)(A) When the contracting officer cannot determine actual cost data for both ownership and operating costs for any piece of equipment or groups of similar serial or series equipment from the contractor's accounting records, ownership and operating costs for that equipment shall be determined in accordance with the Construction Equipment Ownership and Operating Expense Schedule published by the U.S. Army Corps of Engineers. The contracting officer shall insert the following statement in all solicitations and contracts for construction within the United States expected to exceed $25,000.

EQUIPMENT OWNERSHIP AND OPERATING EXPENSE SCHEDULE.

(a) Allowable cost for construction and marine plant and equipment in sound workable condition owned or controlled and furnished by a contractor or subcontractor at any tier shall be based on actual cost data for each piece of equipment or groups of similar serial and series for which the Government can determine both ownership and operating costs from the contractor's accounting records. When both ownership and operating costs cannot be determined for any piece of equipment or groups of similar serial or series equipment from the contractor's accounting records, costs for that equipment shall be based upon the applicable provisions of EP 1110-1-8, "Construction Equipment Ownership and Operating Expense Schedule," Region *. Working conditions shall be considered to be average for determining equipment rates using the schedule unless specified otherwise by the contracting officer. For equipment not included in the schedule, rates for comparable pieces of equipment may be used or a rate may be developed using the formula provided in the schedule. For forward pricing, the schedule in effect at the time of negotiations shall apply. For retrospective pricing, the schedule in effect at the time the work was performed shall apply.

(b) Equipment rental costs are allowable, subject to the provisions of FAR 31.105(d)(ii) and FAR 31.205-36 substantiated by certified copies of paid invoices. Rates for equipment rented from an organization under common control, lease-purchase or sale-leaseback arrangements will be determined using the schedule except that rental costs leased from an organization under common control that has an established practice of leasing the same or similar equipment to unaffiliated lessees are allowable. Costs for major repairs and overhaul are unallowable.

---

* Insert the Roman numeral for the appropriate region of the schedule.

APPENDIX A

SECTION III:
EFAR REFERENCE (Continued)

31 July 1989 31.1-2

(c) When actual equipment costs are proposed and the total amount of the pricing action is over $25,000, cost or pricing data shall be submitted on Standard Form 1411, "Contract Pricing Proposal Cover Sheet." By submitting cost or pricing data, the contractor grants to the contracting officer or an authorizing representative the right to examine those books, records, documents and other supporting data that will permit evaluation of the proposed equipment costs. After price agreement the contractor shall certify that the equipment costs or pricing data submitted are accurate, complete and current. Insert the Roman numeral for the appropriate region of the schedule.

(d) This does not apply to terminations. See 49.113(100) and FAR Part 49.

APPENDIX A

SECTION IV.
GOVERNMENT BOOKSTORES

U.S. Government periodicals are sold by the Office of the Superintendent of Documents. Orders may be placed by mail from the following address.

Superintendent of Documents
P. O. Box 371954
Pittsburgh, PA 15250-7954

Orders may also be placed by telephone or fax (Visa/Mastercard is accepted)

Telephone: (202) 783-3238 -or- Fax: (202) 512-2250.

Regional government bookstores can also be contacted for orders (see list).

RETURN POLICY: Publications are not accepted for exchange or credit unless an error was made in filling your order .

When ordering, give the following information:

Title of Publication:	EP 1110-1-8, "Construction Equipment Ownership and Operating Expense Schedule"
Region:	Region I through XII
Volume No.	Volume No. 1 through 12

REGIONAL BOOKSTORES

WASHINGTON: 710 N. Capitol St., NW, Washington, DC 20401 (202) 512-0132

WASHINGTON (BRANCH): 1510 H. St, NW. Washington, DC 20005 (202) 653-5075

WAREHOUSE SALES OUTLET: 8660 Cherry Lane, Laurel, MD 20707 (301) 953-7974

ATLANTA: 275 Peachtree St., NE, P.O. Box 56445, Atlanta, GA 30343 (404) 331-6947

BIRMINGHAM: O'Neill Building 2021 3rd Avenue North Birmingham, AL 35203 (205) 731-1056

BOSTON: Thomas P. O'Neill, Federal Building, 10 Causeway St., Rm 169, Boston, MA 02222 (617) 720-4180

CHICAGO: Room 1365, Federal Building, 219 S. Dearborn St. Chicago, IL 60604 (312) 353-5133

CLEVELAND: Room 1653, Federal Building, 1240 East 9th Street, Cleveland, OH 44199 (216) 522-4922

APPENDIX A

SECTION IV.
GOVERNMENT BOOKSTORES (Continued)

COLUMBUS: Room 207, Federal Building, 200 N. High Street Columbus, OH 43215 (614) 469-6956

DALLAS: Room 1C50. Federal Building, 1100 Commerce Street Dallas, TX 75242 (214) 767-0076

DENVER: Room 117, Federal Building 1961 Stout Street Denver, CO 80294 (303) 844-3964

DETROIT: Suite 160, Federal Building, 477 Michigan Avenue Detroit, MI 48226 (313) 226-7816

HOUSTON: Texas Crude Building, 801 Travis Street, Houston, TX 77002 (713) 228-1187

JACKSONVILLE: Room 158, Federal Building, 400 West Bay Street, Jacksonville, FL 32202 (904) 353-0472

KANSAS CITY: #120 Bannister Mall, 5600 East Bannister Rd., Kansas City, MO 64137 (816) 767-8225

LOS ANGELES: ARCO Plaza, C-Level 505 South Flower St., Los Angeles, CA 90071 (213) 239-9844

MILWAUKEE: Room 190, Federal Building 517 E. Wisconsin Avenue Milwaukee, Wl 53202 (414) 297- 1304

NEW YORK: Room 110, Federal Building, 26 Federal Plaza, New York, NY 10278 (212) 264-3825

PHILADELPHIA: Robert Morris Building, 100 North 17th Street, Philadelphia, PA 19103 (215) 597-0677

PITTSBURGH Room 118, Federal Building, 1000 Liberty Avenue, Pittsburgh, PA 15222 (412) 644-2721

PORTLAND: 1305 S.W. First Avenue, Portland, OR 97201 (503) 221-6217

PUEBLO: World Savings Building, 720 North Main St., Pueblo, CO 81003 (719)544-3142

SAN FRANCISCO: Room 1023, Federal Building, 450 Golden Gate Avenue, San Francisco, CA 94102 (415) 252-5334

SEATTLE: Room. 194, Federal Building, 915 Second Avenue, Seattle, WA 98174 (206) 553-4217

APPENDIX B

AREA FACTORS

The area factors given in this Appendix were used to compute the hourly equipment rates shown in Table 2-1

Total State Sales or Import Tax Rate	6.00	%
Working Hours Per Year (WHPY)	1,700	hrs/yr
Labor Adjustment Factor (LAF)	0.87	
Electricity Cost Per Kilowatt-Hour	$ 0.100	/kW-Hr
Gasoline Cost Per Gallon	$ 1.03	/gal
Diesel Cost Per Gallon (Off-Road Use)	$ 0.84	/gal
Diesel Cost Per Gallon (On-Road Use)	$ 1.06	/gal
Cost-of-Money Rate (Full Rate)	6.50	%
Cost-of-Money Rate (Adjusted)	5.20	%

Freight Rates

	0 cwt	thru	240 cwt	$ 9.40 /cwt
over	240 cwt	thru	300 cwt	$ 9.40 /cwt
over	300 cwt	thru	400 cwt	$ 8.60 /cwt
over	400 cwt	thru	500 cwt	$ 6.20 /cwt
over	500 cwt	thru	700 cwt	$ 4.95 /cwt
over	700 cwt	thru	800 cwt	$ 4.80 /cwt
over	800 cwt	thru	9,999 cwt	$ 4.30 /cwt

This page left blank intentionally

APPENDIX C

GUIDE FOR SELECTING OPERATING CONDITIONS

EQUIPMENT TYPE	AVERAGE	SEVERE
B25 & B35: Buckets Clamshell or Dragline Depreciation Period (Hours):	Working in gravels, silts, and sands at low impact, fresh water environment. 8,000 – 10,000 hours	Working in rock, hard digging, high impact or salt water environ–ment. 6,500 – 8,000 hours
C80, C90: Cranes Hydraulic, Truck Mounted Mechanical, Truck Mounted Depreciation Period (Hours):	Lift less than rated capacity, intermittent duty. 14,000 – 20,000 hours	Continuous lift near rated capacity, excessive swing, abrasive materials, sloped surfaces, salt water environment. 12,000 – 18,000 hours
C85: Cranes, Mechanical Dragline, Lifting, or Clamshell Crawler Mounted Depreciation Period (Hours):	Gravels, silts, pull and lift less than rated capacity 12,000 – 20,000 hours	Highly abrasive materials, impact breakout, continuous load near rated capacity. Salt water envir–onment. 10,000 – 18,000 hours
G10: Generators Depreciation Period (Hours):	Working below rated capacity, good field conditions. 8,000 – 10,000 hours	Working at or above rated capacity, poor field conditions, such as salt water. 7,000 – 8,000 hours
G15: Graders, Motor Depreciation Period (Hours):	Haul road maintenance. Road construction, ditching. Loose fill spreading. Landforming, landleveling. Summer road maintenance with medium to heavy winter snow removal. Elevating grader use. 12,000 hours	Maintenance of hard packed roads with embedded rock. Heavy fill spreading. Ripping–scarifying of asphalt or concrete. Continuous high load factor. High impact. 10,000 hours

APPENDIX C

GUIDE FOR SELECTING OPERATING CONDITIONS (continued)

EQUIPMENT TYPE	AVERAGE	SEVERE
H25: 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. Salt water environment.
Depreciation Period (Hours):	8,000 – 14,000 hours	6,500 – 12,000 hours
H30: Hydraulic Excavators Wheel Mounted	Continuous digging in sandy clay/ sandy gravel, site development, and lumber yard applications.	Continuous digging in rock/natural bed clay, high impact, using hammer, working in forests or quarries.
Depreciation Period (Hours):	8,000 – 10,000 hours	6,500 – 8,000 hours
H35: Hydraulic Shovels 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 poorly-shot rock, lightly blasted tight banks, e.g. shales, caliches, cemented gravels etc. Adverse underfoot conditions: rough floors, high impact sliding on undercarriage. Salt water environment
Depreciation Period (Hours):	14,000 – 16,000 hours	12,000 – 14,000 hours
L10: Land Clearing Equipment	Working in low impact conditions at or below rated capacity.	High impact conditions working at or above rated capacity.
Depreciation Period (Hours):	8,000 hours	6,500 hours

APPENDIX C

GUIDE FOR SELECTING OPERATING CONDITIONS (continued)

EQUIPMENT TYPE	AVERAGE	SEVERE
L30: Loaders, Belt	Working below rated capacity, with intermittent service.	Working at or above rated capacity with continuous service.
Depreciation Period (Hours):	10,000 hours	8,000 hours
L35: 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 rock materials. High impact conditions. Salt water environment.
Depreciation Period (Hours):	10,000 hours	8,000 hours
L40: Loaders, Front End Wheel Type (does not include 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. Salt water environment.
Depreciation Period (Hours):	10,000 – 12,000 hours	8,000 – 10,000 hours
L45 & L50: Loaders with Backhoe Crawler Type and Wheel Type	Utility applications in medium to heavy soil. Occassional use of constant flow implements. Dig depths to 3.05m (10 ft.).	Production applications or digging in rock. Regular use of constant flow implements. Dig depths over 3.05m (10 ft.).
Depreciation Period (Hours):	10,000 hours	8,000 hours

APPENDIX C

GUIDE FOR SELECTING OPERATING CONDITIONS (continued)

EQUIPMENT TYPE	AVERAGE	SEVERE
L60: Log Skidders	Continuous turning, steady skidding for medium distances with moderate decking. Good underfooting: dry floor with few stumps and gradual rolling terrain.	Continuous turning, steady skidding for long distances with frequent decking. Poor underfoot conditions: wet floor, steep slopes, and numerous stumps. Salt water environment.
Depreciation Period (Hours):	10,000 hours	8,000 hours
M10 – .31 & .32 : Clamshell dredges < 5 cy Amphibious Excavator	Gravels, silts, breakout force at less than capacity, fresh water conditions.	Rock, abrasive materials, load at rated capacity, salt water conditions.
Depreciation Period (Hours):	12,000 – 20,000 hours	10,000 – 18,000 hours
M10 – .51, .52, & .53 : Boats, Skiffs, Crew Boats, Work Boats, Survey Boats & Launches	Fresh water applications, light waves, steady to light use.	Salt water use, medium to high waves, heavy use.
Depreciation Period (Hours):	12,000 – 14,000 hours	10,000 – 12,000 hours
P35: 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 (Hours):	12,000 hours	10,000 hours
R10: Rippers and Bank Slopers	Light rock, medium breakout force required.	Hard rock, excessive wear due to high breakout force.
Depreciation Period (Hours):	8,000 hours	6,500 hours

APPENDIX C

GUIDE FOR SELECTING OPERATING CONDITIONS (continued)

EQUIPMENT TYPE	AVERAGE	SEVERE
S10, S15, S20 & S 25: Scrapers Self–Propelled Tractor Drawn Soil Stabilizers	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 conditions, such as loading ripped rock. Continuous high total resistance conditions. Rough haul roads. Overloading.
Depreciation Period (Hours):	10,000 – 12,000 hours	8,000 – 10,000 hours
T15: Tractors Crawler (Dozer)	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. Work on rock surfaces. Continuous high impact conditions. Salt water environment.
Depreciation Period (Hours):	10,000 – 12,000 hours	8,000 – 10,000 hours
T20: Tractors Wheel Type (Dozer)	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. Landfill compactor work.
Depreciation Period (Hours):	10,000 hours	8,000 hours
T30: Trenchers Chain & Wheel Type	Working in sands and silts below rated capacity of the machine.	Working in gravels and abrasive materials at or above the rated capacity of the machine.
Depreciation Period (Hours):	8,000 – 10,000 hours	6,500 – 8,000 hours

APPENDIX C

GUIDE FOR SELECTING OPERATING CONDITIONS (continued)

EQUIPMENT TYPE	AVERAGE	SEVERE
T45 & T50: Truck Trailers Trucks, Highway	Varying loading and road conditions. Typical construction use on a variety of jobs.	Consistently poor road conditions. Oversized loading equipment.
Depreciation Period (Hours):	7,000 – 10,000 hours	5,500 – 8,000 hours
T55 & T60: Trucks, Off–Highway Trucks, Water, 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 (Hours):	12,000 hours	10,000 hours
T65 – .20 & .40: Tunnel / Mining Equipment Tunnel Boring Machines Roadheaders Continuous Miners	Mining rock in average conditions, machine working below rated capacity.	Mining hard rock in severe working conditions, machine working at rated capacity.
Depreciation Period (Hours):	16,000 – 22,000 hours	14,000 – 20,000 hours
W10 & W15: Wagons Bottom Dump Rear Dump	Varying load and haul road conditions. Long and short hauls. High rolling resistance and poor traction during part of the job. Some adverse grades. Some impact. Typical road–building use in a variety of jobs, dam construction, open–pit mining, etc.	Continuous use on very poorly maintained haul roads, high rolling resistance and poor traction. High impact conditions, such as loading ripped rock. Frequent adverse grades and high impact loads. Poorly matched loading equipment with continuous overloading.
Depreciation Period (Hours):	12,000 hours	10,000 hours

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)

APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

CATEGORY SUB	TYPE OF EQUIPMENT	EK	C	DC	LIFE	SLV	HPF	FUEL FACTOR EQUIPMENT E	G	D	HPF	FUEL FACTOR CARRIER E	G	D	FOG E	G	D	TIRE WEAR FACTORS FT	DT	TT	RPR
A10 0.00	AGGREGATE/CHIP SPREADERS	1																			
A10 0.10	SELF PROPELLED	10	A	B	10,000	.20	50	.500	.052	.028	0	.000	.000	.000	.00	.24	.24	.97	.69	.99	0.75
A10 0.20	TOWED & TAILGATE	10	A	B	6,000	.20	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.79	0.60
A15 0.00	AIR COMPRESSORS, PORTABLE	1																			
A15 0.10	ROTARY SCREW	5	A	B	10,000	.25	65	.650	.067	.036	0	.000	.000	.000	.45	.32	.28	.00	.00	.90	0.75
A15 0.20	SHOP TYPE, ELECTRIC	5	A	B	12,000	.20	65	.650	.000	.000	0	.000	.000	.000	.45	.00	.00	.00	.00	.90	0.65
A20 0.00	AIR HOSE, TOOLS & EQUIPMENT	1																			
A20 0.10	AIR HOSES	5	A	B	3,500	.10	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.00	1.50
A20 0.20	BLAST HOSE	5	A	B	3,500	.10	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.00	1.65
A20 0.30	SANDBLASTERS & BREAKERS	5	A	B	4,000	.20	65	.650	.067	.036	0	.000	.000	.000	.45	.32	.28	.81	.65	.90	1.50
A25 0.00	ASPHALT DISTRIBUTORS	10	A	B	8,000	.20	65	.650	.067	.036	0	.000	.000	.000	.00	.32	.28	.71	.57	.79	0.85
A30 0.00	ASPHALT FINISHERS/PAVERS	1																			
A30 0.10	SELF PROPELLED	10	A	B	10,000	.20	65	.650	.067	.036	0	.000	.000	.000	.00	.32	.28	.83	.66	.92	1.00
A30 0.20	TOWED	10	A	B	10,000	.20	65	.650	.067	.036	0	.000	.000	.000	.00	.32	.28	.83	.66	.92	0.80
A35 0.00	ASPHALT KETTLES	10	A	B	6,000	.20	65	.650	.067	.036	0	.000	.000	.000	.00	.32	.28	.76	.60	.84	0.80
A40 0.00	ASPHALT & CONCR. MILLERS/PROFILERS	10	A	B	10,000	.20	65	.650	.067	.036	0	.000	.000	.000	.00	.32	.28	.83	.66	.92	1.00
A45 0.00	ASPHALT RECYCLERS & SEALERS	10	A	B	8,000	.20	65	.650	.067	.036	0	.000	.000	.000	.00	.32	.28	.76	.60	.84	0.90
B00 0.00	BACKHOE (SEE HYD. EXCAV.)	1																			
B10 0.00	BATCH PLANTS,ASPHALT & CONCRETE	1																			
B10 0.10	ASPHALT	10	A	B	10,000	.15	65	.650	.067	.036	0	.000	.000	.000	.45	.32	.28	.60	.60	.84	1.00
B10 0.20	CONCRETE	10	A	B	10,000	.15	65	.650	.067	.036	0	.000	.000	.000	.45	.32	.28	.60	.60	.84	1.00
B10 0.30	PUGMILL	10	A	B	10,000	.15	65	.650	.067	.036	0	.000	.000	.000	.45	.32	.28	.60	.60	.84	1.00
B15 0.00	BROOMS, STREET SWEEPERS & FLUSHERS	95	A	B	8,000	.20	65	.650	.067	.036	0	.000	.000	.000	.00	.24	.28	.81	.65	.90	0.80
B20 0.00	BRUSH CHIPPERS	95	A	B	8,000	.20	65	.650	.067	.036	0	.000	.000	.000	.00	.32	.28	.00	.00	.90	0.90
B25 0.00	BUCKETS, CLAMSHELL	15	A	B	10,000	.15	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.00	0.70
B25 0.00		15	S	B	8,000	.15	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.00	0.80
B30 0.00	BUCKETS, CONCRETE	1																			
B30 0.10	GENERAL PURPOSE, MANUAL	15	A	B	10,000	.20	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.00	0.70

APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

CATEGORY SUB	TYPE OF EQUIPMENT	EK	C	DC	LIFE	SLV	HPF	FUEL FACTOR EQUIPMENT E	G	D	HPF	FUEL FACTOR CARRIER E	G	D	FOG E	G	D	TIRE WEAR FACTORS FT	DT	TT	RPR
B30 0.20	LAYDOWN	15	A	B	10,000	.20	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.00	0.75
B30 0.30	LOWBOY	15	A	B	10,000	.20	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.00	0.80
B30 0.40	LOW SLUMP	15	A	B	10,000	.20	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.00	0.80
B35 0.00	BUCKETS, DRAGLINE	1																			
B35 0.10	LIGHT WEIGHT	15	A	B	8,000	.15	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.00	0.70
B35 0.10		15	S	B	6,500	.15	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.00	0.80
B35 0.20	MEDIUM WEIGHT	15	A	B	9,000	.15	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.00	0.70
B35 0.20		15	S	B	7,000	.15	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.00	0.80
B35 0.30	HEAVY WEIGHT	15	A	B	10,000	.15	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.00	0.70
B35 0.30		15	S	B	8,000	.15	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.00	0.80
C05 0.00	CHAIN SAWS	95	A	B	4,000	.15	90	.900	.093	.050	0	.000	.000	.000	.45	.32	.38	.00	.00	.00	2.50
C10 0.00	COMPACTORS, MANUALLY OPERATED	95	A	B	5,000	.20	90	.900	.093	.050	0	.000	.000	.000	.45	.24	.24	.00	.00	.85	1.20
C15 0.00	CONCRETE BLASTERS	95	A	B	6,000	.20	70	.700	.072	.039	0	.000	.000	.000	.50	.32	.28	.00	.00	.90	0.90
C20 0.00	CONCRETE BUGGIES	95	A	B	5,000	.20	70	.700	.072	.039	0	.000	.000	.000	.50	.32	.28	.00	.66	.90	0.70
C25 0.00	CONCRETE FINISHERS	95	A	B	5,000	.20	70	.700	.072	.039	0	.000	.000	.000	.50	.32	.28	.00	.00	.90	0.80
C30 0.00	CONCRETE GRINDERS	95	A	B	5,000	.20	70	.700	.072	.039	0	.000	.000	.000	.50	.32	.28	.00	.00	.90	0.90
C35 0.00	CONCRETE GUNITERS/SHOTCRETERS	95	A	B	7,000	.15	75	.750	.078	.042	0	.000	.000	.000	.45	.32	.28	.81	.65	.90	0.90
C40 0.00	CONCRETE/WASTE MIXERS	95	A	B	5,000	.20	70	.700	.072	.039	0	.000	.000	.000	.50	.32	.28	.00	.00	.90	0.80
C45 0.00	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 0.00	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 0.00	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 0.00	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 0.00	CRANES, GANTRY & STRADDLE	1																			
C75 0.00	CRANES, HYDRAULIC, SELF-PROP.	20	A	B	14,000	.15	75	.750	.078	.042	0	.000	.000	.000	.00	.32	.30	.89	.71	.90	0.80
C80 0.00	CRANES, HYDRAULIC, TRUCK MTD	1																			
C80 0.01	UNDER 26 TON	20	A	B	14,000	.15	65	.650	.067	.036	10	.100	.010	.006	.00	.38	.36	.97	.78	.00	0.60
C80 0.01		20	S	B	12,000	.15	85	.850	.088	.047	13	.130	.013	.007	.00	.38	.36	.86	.61	.00	0.65

APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

CATEGORY SUB	TYPE OF EQUIPMENT	EK	C	DC	LIFE	SLV	HPF	FUEL FACTOR EQUIPMENT E	G	D	HPF	FUEL FACTOR CARRIER E	G	D	FOG E	G	D	TIRE WEAR FACTORS FT	DT	TT	RPR
C80 0.02	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	0.70
C80 0.02		20	S	B	14,000	.15	85	.850	.088	.047	13	.130	.013	.007	.00	.30	.26	.86	.61	.00	0.75
C80 0.03	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	0.80
C80 0.03		20	S	B	16,000	.15	85	.850	.088	.047	13	.130	.013	.007	.00	.30	.26	.86	.61	.00	0.85
C80 0.04	OVER 125 TON	20	A	B	20,000	.15	65	.650	.067	.036	10	.100	.010	.006	.00	.30	.26	.97	.78	.00	0.90
C80 0.04		20	S	B	18,000	.15	85	.850	.088	.047	13	.130	.013	.007	.00	.30	.26	.86	.61	.00	0.95
C85 0.00	CRANES, MECHANICAL, CRAWLER MTD	1																			
C85 0.10	DRAGLINE, CLAMSHELL	1																			
C85 0.11	0 THRU 1 CY	20	A	B	12,000	.15	50	.500	.052	.028	0	.000	.000	.000	.00	.32	.32	.00	.00	.00	0.80
C85 0.11		20	S	B	10,000	.15	65	.650	.067	.036	0	.000	.000	.000	.00	.32	.32	.00	.00	.00	0.90
C85 0.12	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	0.85
C85 0.12		20	S	B	12,000	.15	65	.650	.067	.036	0	.000	.000	.000	.00	.34	.34	.00	.00	.00	0.95
C85 0.13	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	0.95
C85 0.13		20	S	B	14,000	.15	65	.650	.067	.036	0	.000	.000	.000	.00	.22	.22	.00	.00	.00	1.05
C85 0.14	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 0.14		20	S	B	16,000	.15	65	.650	.067	.036	0	.000	.000	.000	.00	.24	.24	.00	.00	.00	1.15
C85 0.20	LIFTING	1																			
C85 0.21	0 THRU 25 TON	20	A	B	13,000	.15	40	.400	.041	.022	0	.000	.000	.000	.00	.32	.32	.00	.00	.00	0.65
C85 0.21		20	S	B	11,000	.15	52	.520	.054	.029	0	.000	.000	.000	.00	.32	.32	.00	.00	.00	0.70
C85 0.22	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	0.75
C85 0.22		20	S	B	13,000	.15	52	.520	.054	.029	0	.000	.000	.000	.00	.20	.20	.00	.00	.00	0.80
C85 0.23	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	0.85
C85 0.23		20	S	B	16,000	.15	52	.520	.054	.029	0	.000	.000	.000	.00	.22	.22	.00	.00	.00	0.90
C85 0.24	OVER 150 TON	20	A	B	20,000	.15	40	.400	.041	.022	0	.000	.000	.000	.00	.24	.24	.00	.00	.00	0.95
C85 0.24		20	S	B	18,000	.15	52	.520	.054	.029	0	.000	.000	.000	.00	.24	.24	.00	.00	.00	1.00
C90 0.00	CRANES, MECHANICAL, TRUCK MTD	1																			
C90 0.01	UNDER 26 TON	20	A	B	14,000	.15	65	.650	.067	.036	10	.100	.010	.006	.00	.38	.36	.97	.78	.00	0.60
C90 0.01		20	S	B	12,000	.15	85	.850	.088	.047	13	.130	.013	.007	.00	.38	.36	.86	.61	.00	0.65

APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

CATEGORY SUB	TYPE OF EQUIPMENT	EK	C	DC	LIFE	SLV	HPF	FUEL FACTOR EQUIPMENT E	G	D	HPF	FUEL FACTOR CARRIER E	G	D	FOG E	G	D	TIRE WEAR FACTORS FT	DT	TT	RPR
C90 0.02	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	0.70
C90 0.02		20	S	B	14,000	.15	85	.850	.088	.047	13	.130	.013	.007	.00	.30	.26	.86	.61	.00	0.75
C90 0.03	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	0.80
C90 0.03		20	S	B	16,000	.15	85	.850	.088	.047	13	.130	.013	.007	.00	.30	.26	.86	.61	.00	0.85
C90 0.04	OVER 125 TON	20	A	B	20,000	.15	65	.650	.067	.036	10	.100	.010	.006	.00	.30	.26	.97	.78	.00	0.90
C90 0.04		20	S	B	18,000	.15	85	.850	.088	.047	13	.130	.013	.007	.00	.30	.26	.86	.61	.00	0.95
C95 0.00	CRANES, TOWER	20	A	B	18,000	.20	65	.650	.067	.036	10	.100	.010	.006	.50	.30	.26	.00	.00	.00	0.85
D10 0.00	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 0.00	DRILLS, BORING MACHINES	25	A	B	10,000	.20	80	.800	.083	.045	0	.000	.000	.000	.45	.32	.28	.62	.44	.00	0.90
D20 0.00	DRILLS, CORE, COLUMN MOUNTED	25	A	B	8,000	.20	80	.800	.083	.045	0	.000	.000	.000	.45	.16	.24	.00	.00	.00	0.85
D25 0.00	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 0.00	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 0.00	DRILLS, ROTARY BLAST HOLE	1																			
D35 0.10	DIESEL or GASOLINE	1																			
D35 0.11	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 0.12	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 0.20	ELECTRIC	1																			
D35 0.21	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	0.55
D35 0.22	OVER 11" DIAM.	25	A	B	18,000	.20	70	.700	.072	.039	10	.100	.010	.006	.50	.00	.00	.62	.44	.00	0.55
F10 0.00	FORK LIFTS	95	A	B	10,000	.20	65	.650	.067	.036	0	.000	.000	.000	.45	.24	.24	.87	.78	.90	0.75
G10 0.00	GENERATOR SETS	1																			
G10 0.10	PORTABLE	30	A	B	8,000	.15	65	.650	.067	.036	0	.000	.000	.000	.00	.24	.24	.00	.00	.90	0.60
G10 0.10		30	S	B	7,000	.15	85	.850	.088	.047	0	.000	.000	.000	.00	.24	.24	.00	.00	.90	0.70
G10 0.20	SKID MOUNTED	30	A	B	10,000	.15	65	.650	.067	.036	0	.000	.000	.000	.00	.24	.24	.00	.00	.90	0.70
G10 0.20		30	S	B	8,000	.15	85	.850	.088	.047	0	.000	.000	.000	.00	.24	.24	.00	.00	.90	0.80
G15 0.00	GRADERS, MOTOR	35	A	B	12,000	.25	60	.600	.062	.033	0	.000	.000	.000	.00	.20	.34	.89	.71	.00	0.70
G15 0.00		35	S	B	10,000	.25	78	.780	.081	.043	0	.000	.000	.000	.00	.20	.34	.71	.51	.00	0.75
H10 0.00	HAMMERS, HYDRAULIC	95	A	B	6,000	.20	65	.650	.067	.036	0	.000	.000	.000	.00	.32	.32	.00	.00	.00	1.00

APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

CATEGORY SUB	TYPE OF EQUIPMENT	EK	C	DC	LIFE	SLV	HPF	FUEL FACTOR EQUIPMENT E	G	D	HPF	FUEL FACTOR CARRIER E	G	D	FOG E	G	D	TIRE WEAR FACTORS FT	DT	TT	RPR
H13 0.00	HAZARD/TOXIC WASTE EQUIPMENT	1																			
H13 0.10	COMPACTORS (COMPRESSION FORCE)	1																			
H13 0.11	0 THRU 50 TONS	95	A	B	10,000	.15	65	.650	.067	.036	0	.000	.000	.000	.50	.24	.24	.00	.00	.90	0.80
H13 0.12	OVER 50 TONS	95	A	B	12,000	.20	65	.650	.067	.036	0	.000	.000	.000	.50	.24	.24	.00	.00	.90	0.90
H13 0.20	FILTER PRESSES																				
H13 0.21	STATIONARY	95	A	B	10,000	.20	65	.650	.067	.036	0	.000	.000	.000	.50	.24	.24	.00	.00	.90	0.90
H13 0.22	MOBILE	95	A	B	10,000	.15	65	.650	.067	.036	0	.000	.000	.000	.50	.24	.24	.00	.00	.90	0.80
H13 0.30	CENTRIFUGES	95	A	B	4,000	.20	65	.650	.000	.000	0	.000	.000	.000	.50	.00	.00	.00	.00	.00	0.70
H13 0.40	SHREDDERS	95	A	B	10,000	.15	65	.650	.067	.036	0	.000	.000	.000	.45	.32	.28	.00	.00	.90	0.90
H13 0.50	SOIL TREATMENT PLANT	1																			
H13 0.51	MOBILE	95	A	B	10,000	.15	65	.650	.067	.036	0	.000	.000	.000	.45	.32	.28	.00	.00	.90	1.00
H13 0.60	SLUDGE PROCESSING EQUIPMENT	1																			
H13 0.61	SLUDGE DISPENSERS	95	A	B	10,000	.15	65	.650	.067	.036	0	.000	.000	.000	.45	.32	.28	.00	.00	.90	1.00
H13 0.70	WASTE HANDLING EQUIPMENT	1																			
H13 0.71	DRUM HANDLING	95	A	B	4,000	.15	65	.650	.067	.036	0	.000	.000	.000	.45	.32	.28	.00	.00	.90	1.00
H15 0.00	HEATERS. SPACE	1																			
H20 0.00	HOIST	95	A	B	9,000	.20	65	.650	.067	.036	0	.000	.000	.000	.00	.24	.24	.00	.00	.00	0.80
H25 0.00	HYDRAULIC EXCAVATORS, CRAWLER MTD	1																			
H25 0.10	DIESEL or GASOLINE	1																			
H25 0.11	0 THRU 1 CY	65	A	B	8,000	.25	60	.600	.062	.033	0	.000	.000	.000	.00	.38	.38	.00	.00	.00	0.70
H25 0.11		65	S	B	6,500	.25	78	.780	.081	.043	0	.000	.000	.000	.00	.38	.38	.00	.00	.00	0.80
H25 0.12	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	0.80
H25 0.12		65	S	B	8,000	.20	78	.780	.081	.043	0	.000	.000	.000	.00	.38	.38	.00	.00	.00	0.90
H25 0.13	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 0.13		65	S	B	10,000	.15	78	.780	.081	.043	0	.000	.000	.000	.00	.22	.22	.00	.00	.00	1.20
H25 0.14	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 0.14		65	S	B	12,000	.15	78	.780	.081	.043	0	.000	.000	.000	.00	.24	.24	.00	.00	.00	1.30

APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

CATEGORY SUB	TYPE OF EQUIPMENT	EK	C	DC	UFE	SLV	HPF	FUEL FACTOR EQUIPMENT E	G	D	HPF	FUEL FACTOR CARRIER E	G	D	FOG E	G	D	TIRE WEAR FACTORS FT	DT	TT	RPR
H25 0.20	ATTACHMENTS	1																			
H25 0.21	MOBILE SHEARS	95	A	B	6,000	.15	65	.650	.067	.036	0	.000	.000	.000	.00	.32	.32	.00	.00	.00	0.90
H25 0.22	MATERIAL HANDLING	95	A	B	6,000	.20	65	.650	.067	.036	0	.000	.000	.000	.00	.32	.32	.00	.00	.00	0.80
H25 0.23	CONCRETE PULVERIZERS	95	A	B	6,000	.15	65	.650	.067	.036	0	.000	.000	.000	.00	.32	.32	.00	.00	.00	1.00
H30 0.00	HYDRAULIC EXCAVATORS, WHEEL MTD	1																			
H30 0.01	0 THRU 1 CY	65	A	B	8,000	.20	65	.650	.067	.036	10	.100	.010	.006	.00	.38	.36	.97	.78	.80	0.50
H30 0.01		65	S	B	6,500	.20	85	.850	.088	.047	13	.130	.013	.007	.00	.38	.36	.86	.61	.65	0.55
H30 0.02	OVER 1 CY	65	A	B	10,000	.15	65	.650	.067	.036	10	.100	.010	.006	.00	.38	.36	.97	.78	.80	0.60
H30 0.02		65	S	B	8,000	.15	85	.850	.088	.047	13	.130	.013	.007	.00	.38	.36	.86	.61	.65	0.65
H35 0.00	HYDRAULIC SHOVELS, CRAWLER MOUNTED	1																			
H35 0.10	DIESEL	1																			
H35 0.11	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 0.11		65	S	B	12,000	.15	78	.000	.081	.043	0	.000	.000	.000	.00	.22	.22	.00	.00	.00	1.10
H35 0.12	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 0.12		65	S	B	14,000	.15	78	.000	.081	.043	0	.000	.000	.000	.00	.24	.24	.00	.00	.00	1.30
H35 0.20	ELECTRIC	1																			
H35 0.21	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	0.80
H35 0.21		65	S	B	16,000	.20	65	.650	.000	.000	0	.000	.000	.000	.25	.00	.00	.00	.00	.00	0.90
L10 0.00	LAND CLEARING EQUIPMENT	70	A	B	8,000	.20	60	.600	.062	.033	10	.100	.010	.006	.00	.30	.26	.72	.50	.90	0.90
L10 0.00		70	S	B	6,500	.20	78	.780	.081	.043	13	.130	.013	.007	.00	.30	.26	.57	.35	.71	1.00
L15 0.00	LAWN MOWERS	95	A	B	4,000	.15	80	.800	.083	.045	0	.000	.000	.000	.45	.24	.24	.81	.65	.90	0.70
L20 0.00	LIGHTING SETS, TRAILER MOUNTED	1																			
L20 0.10	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 0.00	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 0.00	LOADERS, BELT	95	A	B	10,000	.20	65	.650	.067	.036	0	.000	.000	.000	.45	.28	.28	.60	.00	.99	1.00
L30 0.00		95	S	B	8,000	.20	85	.850	.088	.047	0	.000	.000	.000	.45	.28	.28	.40	.00	.96	1.10
L35 0.00	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 0.00		40	S	B	8,000	.20	91	.910	.094	.051	0	.000	.000	.000	.00	.32	.38	.00	.00	.00	1.40

APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

CATEGORY SUB	TYPE OF EQUIPMENT	EK	C	DC	LIFE	SLV	HPF	FUEL FACTOR EQUIPMENT E	G	D	HPF	FUEL FACTOR CARRIER E	G	D	FOG E	G	D	TIRE WEAR FACTORS FT	DT	TT	RPR
L40 0.00	LOADERS, FRONT END, WHEEL TYPE	1																			
L40 0.10	ARTICULATED	1																			
L40 0.11	0 THRU 225 HP	45	A	B	10,000	.25	65	.650	.067	.036	0	.000	.000	.000	.00	.32	.42	.70	.42	.00	0.70
L40 0.11		45	S	B	8,000	.25	85	.850	.088	.047	0	.000	.000	.000	.00	.32	.42	.41	.22	.00	0.75
L40 0.12	OVER 225 HP	45	A	B	12,000	.15	65	.650	.067	.036	0	.000	.000	.000	.00	.32	.30	.70	.42	.00	0.70
L40 0.12		45	S	B	10,000	.15	85	.850	.088	.047	0	.000	.000	.000	.00	.32	.30	.41	.22	.00	0.75
L40 0.20	SKID STEER	45	A	B	8,000	.15	70	.700	.072	.039	0	.000	.000	.000	.00	.32	.42	.70	.42	.00	0.80
L40 0.30	TOOL CARRIER	1																			
L40 0.31	0 THRU 225 HP	45	A	B	10,000	.25	65	.650	.067	.036	0	.000	.000	.000	.00	.32	.42	.70	.42	.00	0.75
L40 0.31		45	S	B	8,000	.25	85	.850	.088	.047	0	.000	.000	.000	.00	.32	.42	.41	.22	.00	0.80
L40 0.32	OVER 225 HP	45	A	B	12,000	.15	65	.650	.067	.036	0	.000	.000	.000	.00	.32	.30	.70	.42	.00	0.75
L40 0.32		45	S	B	10,000	.15	85	.850	.088	.047	0	.000	.000	.000	.00	.32	.30	.41	.22	.00	0.80
L45 0.00	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 0.00		40	S	B	8,000	.20	91	.910	.094	.051	0	.000	.000	.000	.00	.32	.38	.00	.00	.00	1.40
L50 0.00	LOADERS w/ BACKHOE, WHEEL TYPE	45	A	B	10,000	.25	65	.650	.067	.036	0	.000	.000	.000	.00	.32	.32	.72	.50	.00	0.80
L50 0.00		45	S	B	8,000	.25	85	.850	.088	.047	0	.000	.000	.000	.00	.32	.32	.57	.35	.00	0.85
L55 0.00	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 0.00	LOG SKIDDERS	75	A	B	10,000	.15	65	.650	.067	.036	0	.000	.000	.000	.00	.24	.28	.73	.44	.00	0.80
L60 0.00		75	S	B	8,000	.15	85	.850	.088	.047	0	.000	.000	.000	.00	.24	.28	.38	.21	.00	0.85
M10 0.00	MARINE EQUIPMENT	1																			
M10 0.10	MARINE MAINTENANCE EQUIPMENT	1																			
M10 0.11	AQUATIC MAINTENANCE,-LAKES/HARBORS	105	A	B	10,000	.15	65	.650	.067	.036	0	.000	.000	.000	.45	.32	.28	.83	.66	.92	0.70
M10 0.12	ATTACHMENTS FOR (M10 .10)	105	A	B	6,000	.20	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.60	.00	.99	0.60
M10 0.20	PORTABLE (TRUCKABLE) HYDRAULIC	1																			
M10 0.20	DREDGES 12" OR LESS	1																			
M10 0.21	CUTTERHEAD DREDGE, 8" OR LESS	105	A	B	10,000	.15	80	.800	.083	.045	0	.000	.000	.000	.45	.32	.28	.00	.00	.00	0.70
M10 0.22	CUTTERHEAD DREDGE OVER 8" THRU 12"	105	A	B	12,000	.10	80	.800	.083	.045	0	.000	.000	.000	.45	.32	.28	.00	.00	.00	0.80
M10 0.23	AUGERHEAD DREDGE, 12" OR LESS	105	A	B	10,000	.15	80	.800	.083	.045	0	.000	.000	.000	.45	.32	.28	.00	.00	.00	0.80

APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

CATEGORY SUB	TYPE OF EQUIPMENT	EK	C	DC	LIFE	SLV	HPF	FUEL FACTOR EQUIPMENT E	G	D	HPF	FUEL FACTOR CARRIER E	G	D	FOG E	G	D	TIRE WEAR FACTORS FT	DT	TT	RPR
M10 0.24	FLOATING PUMPS, 12" OR LESS	105	A	B	8,000	.10	80	.800	.083	.045	0	.000	.000	.000	.45	.32	.28	.00	.00	.00	0.70
M10 0.25	DREDGE PUMPS, 12" OR LESS	105	A	B	6,000	.15	80	.800	.083	.045	0	.000	.000	.000	.45	.32	.28	.00	.00	.00	0.70
M10 0.26	ATTACHMENTS FOR (M10 .20)	105	A	B	6,000	.15	80	.800	.083	.045	0	.000	.000	.000	.45	.32	.28	.00	.00	.00	0.60
M10 0.30	SMALL MECHANICAL DREDGES	1																			
M10 0.31	CLAMSHELL BARGE-MOUNTED TO 5 CY	20	A	B	20,000	.15	65	.650	.067	.036	0	.000	.000	.000	.45	.24	.24	.00	.00	.00	1.00
M10 0.31		20	S	B	18,000	.15	85	.850	.088	.047	0	.000	.000	.000	.45	.24	.24	.00	.00	.00	1.05
M10 0.32	AMPHIBIOUS EXCAVATORS	65	A	B	12,000	.15	65	.650	.067	.036	0	.000	.000	.000	.45	.38	.38	.00	.00	.00	0.90
M10 0.32		65	S	B	10,000	.15	85	.850	.088	.047	0	.000	.000	.000	.45	.38	.38	.00	.00	.00	1.00
M10 0.33	HOE-MOUNTED DREDGING EXCAVATOR	105	A	B	20,000	.15	80	.800	.083	.045	0	.000	.000	.000	.45	.32	.28	.00	.00	.00	0.90
M10 0.40	BARGES & FLOATS (NON-DREDGING)	1																			
M10 0.41	WORK FLOATS	105	A	B	6,000	.10	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.00	0.50
M10 0.42	WORK BARGES (SECTIONAL)	105	A	B	10,000	.10	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.00	0.60
M10 0.45	FLAT-DECK OR CARGO BARGE	105	A	B	30,000	.10	20	.000	.000	.011	0	.000	.000	.000	.00	.00	.32	.00	.00	.00	0.60
M10 0.46	HOPPER BARGE	105	A	B	30,000	.10	20	.000	.000	.011	0	.000	.000	.000	.00	.00	.32	.00	.00	.00	0.70
M10 0.47	DRILL BARGE	105	A	B	30,000	.10	20	.000	.000	.011	0	.000	.000	.000	.00	.00	.32	.00	.00	.00	0.70
M10 0.48	ALL OTHER BARGES	105	A	B	30,000	.10	20	.000	.000	.011	0	.000	.000	.000	.00	.00	.32	.00	.00	.00	0.70
M10 0.50	TUGS, BOATS, SKIFFS AND LAUNCHES	1																			
M10 0.51	0 THRU 250 HP	105	A	B	12,000	.15	65	.650	.067	.036	0	.000	.000	.000	.45	.32	.38	.00	.00	.00	0.70
M10 0.51		105	S	B	10,000	.15	85	.850	.088	.047	0	.000	.000	.000	.45	.32	.38	.00	.00	.00	0.75
M10 0.52	251 THRU 300 HP	105	A	B	12,000	.15	65	.650	.067	.036	0	.000	.000	.000	.45	.32	.38	.00	.00	.00	0.80
M10 0.52		105	S	B	10,000	.15	85	.850	.088	.047	0	.000	.000	.000	.45	.32	.38	.00	.00	.00	0.85
M10 0.53	301 THRU 500 HP	105	A	B	14,000	.15	65	.650	.067	.036	0	.000	.000	.000	.45	.32	.38	.00	.00	.00	0.80
M10 0.53		105	S	B	12,000	.15	85	.850	.088	.047	0	.000	.000	.000	.45	.32	.38	.00	.00	.00	0.85
M10 0.54	501 THRU 1,000 HP	105	A	B	20,000	.15	70	.700	.072	.039	0	.000	.000	.000	.45	.32	.38	.00	.00	.00	0.90
M10 0.55	OVER 1,000 HP	105	A	B	26,000	.10	70	.700	.072	.039	0	.000	.000	.000	.45	.32	.38	.00	.00	.00	0.95
P10 0.00	PILE EXTRACTORS & LEADS	50	A	B	6,000	.35	65	.650	.067	.036	0	.000	.000	.000	.00	.32	.32	.00	.00	.00	0.80
P20 0.00	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
P25 0.00	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

APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

CATEGORY SUB	TYPE OF EQUIPMENT	EK	C	DC	LIFE	SLV	HPF	FUEL FACTOR EQUIPMENT E	G	D	HPF	FUEL FACTOR CARRIER E	G	D	FOG E	G	D	TIRE WEAR FACTORS FT	DT	TT	RPR
P30 0.00	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 0.00	PIPELAYERS	70	A	B	12,000	.25	35	.350	.036	.020	0	.000	.000	.000	.00	.00	.40	.00	.00	.00	1.05
P35 0.00		70	S	B	10,000	.25	45	.450	.047	.025	0	.000	.000	.000	.00	.00	.40	.00	.00	.00	1.15
P40 0.00	PLATFORMS, AERIAL WORK	20	A	B	8,000	.20	50	.500	.052	.028	0	.000	.000	.000	.45	.32	.28	.81	.65	.90	0.80
P45 0.00	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 0.00	PUMPS, WATER, CENTRIFUGAL, TRASH	1																			
P50 0.10	SKID MOUNTED	1																			
P50 0.11	ENGINE DRIVE	95	A	B	8,000	.25	90	.900	.093	.050	0	.000	.000	.000	.00	.32	.38	.00	.00	.00	0.90
P50 0.12	ELECTRIC DRIVE	95	A	B	8,000	.25	90	.900	.093	.050	0	.000	.000	.000	.45	.00	.00	.00	.00	.00	0.50
P50 0.20	WHEEL MOUNTED	1																			
P50 0.21	ENGINE DRIVE	95	A	B	8,000	.25	90	.900	.093	.050	0	.000	.000	.000	.00	.32	.38	.00	.00	.90	0.90
P50 0.22	ELECTRIC DRIVE	95	A	B	8,000	.25	90	.900	.093	.050	0	.000	.000	.000	.45	.00	.00	.00	.00	.90	0.50
P55 0.00	PUMPS, WATER, SUBMERSIBLE	1																			
P55 0.01	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 0.02	ELECTRIC DRIVE	95	A	B	10,000	.25	90	.900	.093	.050	0	.000	.000	.000	.45	.00	.00	.00	.00	.00	0.60
P60 0.00	PUMPS, WATER,CENTRIF,DEWATERING	1																			
P60 0.10	SKID MOUNTED	1																			
P60 0.11	ENGINE DRIVE	95	A	B	8,000	.25	90	.900	.093	.050	0	.000	.000	.000	.00	.32	.38	.00	.00	.00	0.90
P60 0.12	ELECTRIC DRIVE	95	A	B	8,000	.25	90	.900	.093	.050	0	.000	.000	.000	.45	.00	.00	.00	.00	.00	0.50
P60 0.20	WHEEL MOUNTED	1																			
P60 0.21	ENGINE DRIVE	95	A	B	8,000	.25	90	.900	.093	.050	0	.000	.000	.000	.00	.32	.38	.00	.00	.90	0.90
P60 0.22	ELECTRIC DRIVE	95	A	B	8,000	.25	90	.900	.093	.050	0	.000	.000	.000	.45	.00	.00	.00	.00	.90	0.50
P65 0.00	PUMPS, WATER, DIAPHRAGM	1																			
P65 0.10	SKID MOUNTED	1																			
P65 0.11	ENGINE DRIVE	95	A	B	8,000	.25	90	.900	.093	.050	0	.000	.000	.000	.00	.32	.38	.00	.00	.00	0.90
P65 0.12	ELECTRIC DRIVE	95	A	B	8,000	.25	90	.900	.093	.050	0	.000	.000	.000	.45	.00	.00	.00	.00	.00	0.50

APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

CATEGORY SUB	TYPE OF EQUIPMENT	EK	C	DC	LIFE	SLV	HPF	FUEL FACTOR EQUIPMENT E	G	D	HPF	FUEL FACTOR CARRIER E	G	D	FOG E	G	D	TIRE WEAR FACTORS FT	DT	TT	RPR
P65 0.20	WHEEL MOUNTED	1																			
P65 0.21	ENGINE DRIVE	95	A	B	8,000	.25	90	.900	.093	.050	0	.000	.000	.000	.00	.32	.38	.00	.00	.90	0.80
P65 0.22	ELECTRIC DRIVE	95	A	B	8,000	.25	90	.900	.093	.050	0	.000	.000	.000	.45	.00	.00	.00	.00	.90	0.40
P70 0.00	PUMPS, WATER (FOR CORE DRILLS)	1																			
P70 0.01	ENGINE DRIVE	95	A	B	8,000	.25	90	.900	.093	.050	0	.000	.000	.000	.00	.32	.38	.00	.00	.00	0.80
P70 0.02	ELECTRIC DRIVE	95	A	B	8,000	.25	90	.900	.093	.050	0	.000	.000	.000	.45	.00	.00	.00	.00	.00	0.40
R10 0.00	RIPPERS & HYDRAULIC BANK SLOPERS	70	A	B	8,000	.20	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.00	0.90
R10 0.00		70	S	B	6,500	.20	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.00	1.00
R15 0.00	ROLLERS, TOWED - PNEUMATIC	55	A	B	10,000	.20	65	.650	.067	.036	65	.650	.067	.036	.00	.24	.24	.76	.60	.84	0.70
R20 0.00	ROLLERS, TOWED - STEEL DRUM	55	A	B	10,000	.20	65	.650	.067	.036	65	.650	.067	.036	.00	.24	.24	.76	.60	.84	0.80
R30 0.00	ROLLERS, STATIC, SELF-PROPELLED	1																			
R30 0.01	PNEUMATIC	55	A	B	8,000	.20	65	.650	.067	.036	65	.650	.067	.036	.00	.24	.24	.76	.60	.84	0.70
R30 0.02	SMOOTH DRUM	55	A	B	10,000	.20	65	.650	.067	.036	65	.650	.067	.036	.00	.24	.24	.76	.60	.84	0.80
R30 0.03	TAMPING FOOT	55	A	B	10,000	.20	65	.650	.067	.036	65	.650	.067	.036	.00	.24	.24	.76	.60	.84	0.80
R40 0.00	ROLLERS, VIBRATORY, TOWED	55	A	B	8,000	.20	90	.900	.093	.050	90	.900	.093	.050	.00	.32	.32	.76	.60	.84	0.80
R45 0.00	ROLLERS, VIBRATORY, DOUBLE DRUM,	55	A	B	8,000	.20	90	.900	.093	.050	90	.900	.093	.050	.00	.32	.32	.76	.60	.84	1.10
R50 0.00	ROLLERS, VIBRATORY, SINGLE DRUM	55	A	B	8,000	.20	90	.900	.093	.050	90	.900	.093	.050	.00	.32	.32	.76	.60	.84	1.00
R55 0.00	ROOFING EQUIPMENT	95	A	B	6,000	.15	60	.600	.062	.033	0	.000	.000	.000	.45	.24	.24	.00	.00	.90	0.80
S10 0.00	SCRAPERS, ELEVATING	1																			
S10 0.01	0 THRU 200 HP	60	A	B	10,000	.20	66	.660	.068	.037	66	.660	.068	.037	.00	.00	.40	.59	.33	.65	0.75
S10 0.01		60	S	B	8,000	.20	86	.860	.089	.048	86	.860	.089	.048	.00	.00	.40	.39	.19	.43	0.80
S10 0.02	OVER 200 HP	60	A	B	10,000	.15	66	.660	.068	.037	66	.660	.068	.037	.00	.00	.32	.59	.33	.65	0.65
S10 0.02		60	S	B	8,000	.15	86	.860	.089	.048	86	.860	.089	.048	.00	.00	.32	.39	.19	.43	0.70
S15 0.00	SCRAPERS, CONVENTIONAL	60	A	B	10,000	.15	60	.600	.062	.033	60	.600	.062	.033	.00	.00	.32	.59	.33	.65	0.65
S15 0.00		60	S	B	8,000	.15	78	.780	.081	.043	78	.780	.081	.043	.00	.00	.32	.39	.19	.43	0.70
S20 0.00	SCRAPERS, TANDEM POWERED	60	A	B	10,000	.15	62	.620	.064	.035	62	.620	.064	.035	.00	.00	.26	.59	.33	.65	0.65
S20 0.00		60	S	B	8,000	.15	81	.810	.084	.045	81	.810	.084	.045	.00	.00	.26	.39	.19	.43	0.70

APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

CATEGORY SUB	TYPE OF EQUIPMENT	EK	C	DC	LIFE	SLV	HPF	FUEL FACTOR EQUIPMENT E	G	D	HPF	FUEL FACTOR CARRIER E	G	D	FOG E	G	D	TIRE WEAR FACTORS FT	DT	TT	RPR
S25 0.00	SCRAPERS, TRACTOR DRAWN	60	A	B	12,000	.20	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.65	.00	.72	0.70
S25 0.00		60	S	B	10,000	.20	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.50	.00	.55	0.75
S30 0.00	SCREENING & CRUSHING PLANTS	1																			
S30 0.10	CONVEYORS	95	A	B	10,000	.20	65	.650	.067	.036	0	.000	.000	.000	.45	.32	.28	.60	.60	.84	0.70
S30 0.20	CRUSHERS	95	A	B	10,000	.15	65	.650	.067	.036	0	.000	.000	.000	.45	.32	.28	.60	.60	.84	1.00
S30 0.30	SCREENING PLANT	95	A	B	10,000	.20	65	.650	.067	.036	0	.000	.000	.000	.45	.32	.28	.60	.60	.84	0.80
S35 0.00	SNOW REMOVAL EQUIPMENT	95	A	B	8,000	.20	66	.660	.068	.037	0	.000	.000	.000	.00	.00	.28	.59	.33	.65	0.80
S40 0.00	SOIL STABILIZERS	60	A	B	10,000	.20	66	.660	.068	.037	66	.660	.068	.037	.00	.00	.28	.59	.33	.65	0.85
S40 0.00		60	S	B	8,000	.20	86	.860	.089	.048	86	.860	.089	.048	.00	.00	.28	.39	.19	.43	0.95
S45 0.00	SPLITTERS, ROCK & CONCRETE	95	A	B	6,000	.20	65	.650	.067	.036	0	.000	.000	.000	.00	.32	.32	.00	.00	.00	1.00
T10 0.00	TRACTOR BLADES & ATTACHMENTS	70	A	B	10,000	.20	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.00	0.80
T10 0.00		70	S	B	8,000	.20	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.00	0.90
T15 0.00	TRACTORS, CRAWLER (DOZER)	1																			
T15 0.00	(PER UNIT FOR TANDEM TRACTORS)	1	B																		
T15 0.01	0 THRU 225 HP	70	A	B	10,000	.25	70	.700	.072	.039	0	.000	.000	.000	.00	.00	.36	.00	.00	.00	1.20
T15 0.01		70	S	B	8,000	.25	91	.910	.094	.051	0	.000	.000	.000	.00	.00	.36	.00	.00	.00	1.30
T15 0.02	226 HP THRU 425 HP	70	A	B	10,000	.20	70	.700	.072	.039	0	.000	.000	.000	.00	.00	.28	.00	.00	.00	1.00
T15 0.02		70	S	B	8,000	.20	91	.910	.094	.051	0	.000	.000	.000	.00	.00	.28	.00	.00	.00	1.10
T15 0.03	OVER 425 HP	70	A	B	12,000	.15	70	.700	.072	.039	0	.000	.000	.000	.00	.00	.24	.00	.00	.00	1.10
T15 0.03		70	S	B	10,000	.15	91	.910	.094	.051	0	.000	.000	.000	.00	.00	.24	.00	.00	.00	1.20
T20 0.00	TRACTORS, WHEEL TYPE (DOZER)	75	A	B	10,000	.15	65	.650	.067	.036	0	.000	.000	.000	.00	.24	.28	.73	.44	.00	0.60
T20 0.00		75	S	B	8,000	.15	85	.850	.088	.047	0	.000	.000	.000	.00	.24	.28	.38	.21	.00	0.65
T25 0.00	TRACTORS, WHEEL TYPE (FARM)	75	A	B	8,000	.15	65	.650	.067	.036	0	.000	.000	.000	.00	.24	.28	.73	.44	.00	0.70
T30 0.00	TRENCHERS, CHAIN	80	A	B	8,000	.20	65	.650	.067	.036	0	.000	.000	.000	.00	.28	.28	.91	.68	.00	0.90
T30 0.00		80	S	B	6,500	.20	85	.850	.088	.047	0	.000	.000	.000	.00	.28	.28	.77	.48	.00	1.00
T35 0.00	TRENCHERS, WHEEL TYPE	80	A	B	10,000	.20	65	.650	.067	.036	0	.000	.000	.000	.00	.28	.28	.91	.68	.00	0.90
T35 0.00		80	S	B	8,000	.20	85	.850	.088	.047	0	.000	.000	.000	.00	.28	.28	.77	.48	.00	1.00

APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

CATEGORY SUB	TYPE OF EQUIPMENT	EK	C	DC	LIFE	SLV	HPF	FUEL FACTOR EQUIPMENT E	G	D	HPF	FUEL FACTOR CARRIER E	G	D	FOG E	G	D	TIRE WEAR FACTORS FT	DT	TT	RPR
T40 0.00	TRUCK OPTIONS, (ADD TRUCK)	1																			
T40 0.10	CRANES, HYDRAULIC	95	A	B	8,000	.20	65	.650	.067	.036	0	.000	.000	.000	.45	.32	.32	.00	.00	.00	0.80
T40 0.20	DUMP BODY, REAR	95	A	B	8,000	.20	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.00	0.70
T40 0.20		95	S	B	6,500	.20	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.00	0.80
T40 0.30	FLATBEDS, W/ CONT. SIDES	95	A	B	8,000	.20	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.00	0.60
T40 0.40	HOIST	1																			
T40 0.41	ELECTRIC DRIVE	95	A	B	8,000	.20	65	.650	.067	.036	0	.000	.000	.000	.45	.32	.32	.00	.00	.00	0.70
T40 0.50	TRANSIT MIXERS	95	A	B	8,000	.15	65	.650	.067	.036	0	.000	.000	.000	.45	.32	.32	.00	.00	.00	0.70
T40 0.60	WATER TANKS	95	A	B	8,000	.20	65	.650	.067	.036	0	.000	.000	.000	.45	.32	.32	.00	.00	.00	0.60
T40 0.70	ALL OTHER OPTIONS	95	A	B	8,000	.20	65	.650	.067	.036	0	.000	.000	.000	.45	.32	.32	.56	.40	.62	0.70
T45 0.00	TRUCK TRAILERS,	1																			
T45 0.10	BOTTOM DUMP	95	A	B	10,000	.15	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.65	0.70
T45 0.10		95	S	B	8,000	.15	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.54	0.80
T45 0.20	END DUMP	95	A	B	10,000	.15	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.65	0.65
T45 0.20		95	S	B	8,000	.15	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.54	0.75
T45 0.30	PUP TRAILER	95	A	B	8,000	.15	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.65	0.60
T45 0.40	LOWBOY (EQUIPMENT HAULING)	1																			
T45 0.41	RIGID NECK, DROP DECK	95	A	B	10,000	.30	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.65	0.50
T45 0.50	PLATFORM TRAILER	95	A	B	10,000	.30	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.65	0.50
T45 0.60	TILT TRAILER	95	A	B	10,000	.30	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.65	0.50
T45 0.70	WATER TANKER TRAILER	95	A	B	10,000	.30	65	.000	.067	.036	0	.000	.000	.000	.00	.28	.24	.00	.00	.65	0.60
T45 0.80	DECONTAMINATION FACILITY	95	A	B	8,000	.30	0	.000	.000	.000	0	.000	.000	.000	.00	.00	.00	.00	.00	.65	0.70
T45 0.90	TANK TRAILERS	95	A	B	10,000	.30	65	.000	.670	.036	0	.000	.000	.000	.00	.28	.24	.00	.00	.65	0.70
T50 0.00	TRUCKS, HIGHWAY	1																			
T50 0.01	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	0.70
T50 0.01		85	S	S	5,500	.25	20	.200	.021	.011	0	.000	.000	.000	.00	.28	.24	.36	.22	.00	0.75

APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

CATEGORY SUB	TYPE OF EQUIPMENT	EK	C	DC	LIFE	SLV	HPF	FUEL FACTOR EQUIPMENT E	G	D	HPF	FUEL FACTOR CARRIER E	G	D	FOG E	G	D	TIRE WEAR FACTORS FT	DT	TT	RPR
T50 0.02	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	0.65
T50 0.02		85	S	S	6,500	.25	46	.460	.048	.026	0	.000	.000	.000	.00	.30	.26	.42	.30	.00	0.70
T50 0.03	OVER 30,000 GVW	85	A	S	8,000	.20	50	.500	.052	.028	0	.000	.000	.000	.00	.32	.28	.51	.38	.57	0.65
T50 0.03		85	S	S	6,500	.20	65	.650	.067	.036	0	.000	.000	.000	.00	.32	.28	.43	.29	.48	0.75
T55 0.00	TRUCKS, OFF-HIGHWAY	90	A	B	12,000	.15	40	.400	.041	.022	0	.000	.000	.000	.00	.00	.34	.59	.36	.65	0.60
T55 0.00		90	S	B	10,000	.15	52	.520	.054	.029	0	.000	.000	.000	.00	.00	.34	.39	.21	.43	0.70
T57 0.00	TRUCKS, VACUUM	95	A	B	10,000	.20	65	.650	.067	.036	0	.000	.000	.000	.00	.24	.28	.81	.65	.90	0.80
T60 0.00	TRUCKS, WATER, OFF-HIGHWAY	90	A	B	12,000	.20	65	.650	.067	.036	0	.000	.000	.000	.00	.24	.32	.73	.55	.81	0.70
T60 0.00		90	S	B	10,000	.20	85	.850	.088	.047	0	.000	.000	.000	.00	.24	.32	.56	.40	.62	0.80
T65 0.00	TUNNEL/MINING EQUIPMENT	1																			
T65 0.10	DRIFTING & TUNNELING DRILLS	25	A	B	14,000	.15	80	.800	.083	.045	0	.000	.000	.000	.50	.32	.28	.67	.57	.00	0.90
T65 0.20	TUNNEL BORING MACHINES	95	A	B	22,000	.15	70	.700	.000	.000	0	.000	.000	.000	.50	.00	.00	.00	.00	.00	0.70
T65 0.20		95	S	B	20,000	.15	91	.910	.000	.000	0	.000	.000	.000	.50	.00	.00	.00	.00	.00	0.80
T65 0.30	PRODUCTION DRILLING RIGS	25	A	B	12,000	.15	80	.800	.083	.045	0	.000	.000	.000	.50	.32	.28	.67	.57	.00	0.90
T65 0.40	ROADHEADERS & CONTINUOUS MINERS	95	A	B	16,000	.15	70	.700	.000	.000	0	.000	.000	.000	.50	.00	.00	.00	.00	.00	0.90
T65 0.40		95	S	B	14,000	.15	91	.910	.000	.000	0	.000	.000	.000	.50	.00	.00	.00	.00	.00	1.00
T65 0.50	ROCK BOLTING EQUIPMENT	95	A	B	10,000	.20	80	.800	.083	.045	10	.100	.010	.006	.50	.32	.28	.67	.57	.00	0.80
T65 0.60	LOADING & HAULING EQUIPMENT	1																			
T65 0.61	DIESEL OR GASOLINE	95	A	B	12,000	.20	70	.700	.072	.039	0	.000	.000	.000	.00	.32	.30	.70	.42	.00	0.75
T65 0.62	ELECTRIC	95	A	B	14,000	.20	70	.700	.072	.039	0	.000	.000	.000	.45	.24	.24	.70	.42	.00	0.70
T65 0.63	AIR-POWERED	95	A	B	10,000	.25	70	.700	.072	.039	0	.000	.000	.000	.45	.32	.28	.70	.42	.00	0.65
T65 0.70	LOCOMOTIVES	95	A	B	12,000	.20	70	.700	.072	.039	0	.000	.000	.000	.45	00	.00	.00	.00	.00	0.75
T65 0.90	OTHER TUNNELING EQUIPMENT	95	A	B	10,000	.20	70	.700	.072	.039	13	.130	.013	.007	.45	.32	.30	.70	.42	.00	0.80
W10 0.00	WAGONS, BOTTOM DUMP	90	A	B	12,000	.15	65	.650	.067	.036	0	.000	.000	.000	.00	.24	.32	.59	.39	.65	0.65
W10 0.00		90	S	B	10,000	.15	85	.850	.088	.047	0	.000	.000	.000	.00	.24	.32	.39	.22	.43	0.75
W15 0.00	WAGONS, REAR DUMP	90	A	B	12,000	.15	65	.650	.067	.036	0	.000	.000	.000	.00	.24	.32	.59	.39	.65	0.60
W15 0.00		90	S	B	10,000	.15	85	.850	.088	.047	0	.000	.000	.000	.00	.24	.32	.39	.22	.43	0.70

APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

CATEGORY SUB	TYPE OF EQUIPMENT	EK	C	DC	LIFE	SLV	HPF	FUEL FACTOR EQUIPMENT E	G	D	HPF	FUEL FACTOR CARRIER E	G	D	FOG E	G	D	TIRE WEAR FACTORS FT	DT	TT	RPR
W25 0.00	WATER & CO2 BLASTERS	1																			
W25 0.10	LOW PRESSURE, (< 5,000 PSI)	95	A	B	4,000	.20	95	.950	.098	.053	0	.000	.000	.000	.40	.24	.28	.77	.73	.90	1.10
W25 0.20	HIGH PRESSURE, (>= 5,000 PSI)	95	A	B	6,000	.20	95	.950	.098	.053	0	.000	.000	.000	.40	.24	.28	.77	.73	.90	1.20
W25 0.30	STEAM CLEANERS	95	A	B	4,000	.20	95	.950	.098	.053	0	.000	.000	.000	.40	.24	.28	.77	.73	.90	1.10
W25 0.40	CO2 BLASTERS	95	A	B	8,000	.20	70	.700	.000	.000	0	.000	.000	.000	.50	.00	.00	.77	.73	.90	1.00
W30 0.00	WATER TANKS	1																			
W30 0.10	PORTABLE W/ WHEELS	90	A	B	12,000	.20	65	.650	.067	.036	0	.000	.000	.000	.00	.24	.28	.77	.73	.90	0.60
W30 0.20	SKID MOUNTED	90	A	B	12,000	.20	65	.650	.067	.036	0	.000	.000	.000	.00	.24	.28	.00	.00	.90	0.50
W35 0.00	WELDERS	1																			
W35 0.10	GASOLINE or DIESEL DRIVE	95	A	B	8,000	.30	80	.800	.083	.045	0	.000	.000	.000	.00	.24	.24	.00	.00	.90	0.75
W35 0.20	ELECTRICAL	1																			
W35 0.21	ELECTRIC DRIVE	95	A	B	6,000	.25	60	.600	.062	.033	0	.000	.000	.000	.40	.00	.00	.00	.00	.90	0.50
W35 0.22	MIG	95	A	B	6,000	.25	60	.600	.062	.033	0	.000	.000	.000	.40	.00	.00	.00	.00	.90	0.50
W35 0.23	RECTIFIER	95	A	B	6,000	.25	60	.600	.062	.033	0	.000	.000	.000	.40	.00	.00	.00	.00	.90	0.50
W35 0.24	TRANSFORMER	95	A	B	6,000	.25	60	.600	.062	.033	0	.000	.000	.000	.40	.00	.00	.00	.00	.90	0.50

This page left blank intentionally

APPENDIX E

ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT

1967 = 1000

EK	EQUIPMENT DIVISIONS	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
			AGE IN YEARS																
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
5	Air Equipment	2042	2002	1963	1956	1888	1801	1730	1720	1733	1683	1695	1668	1563	1630	1521	1354	1295	1186
10	Asphalt & Concrete Paving Equipment	3301	3202	3106	2967	2867	2793	2730	2687	2687	2611	2583	2620	2461	2296	2111	1941	1815	1686
15	Buckets	6420	6155	5901	5640	5314	4872	4767	4713	4640	4527	4471	4541	4313	3879	3280	2963	2738	2520
20	Cranes, Draglines & Clamshells - Crawler & Truck Mounted	4921	4599	4298	4152	3967	3688	3595	3485	3395	3339	3282	3213	3009	2782	2512	2301	2138	2010
25	Drills	3362	3261	3163	3069	2969	2807	2792	2786	2832	2803	2836	2810	2602	2265	1993	1858	1699	1638
30	Generators	4445	4311	4181	4116	3998	3773	3575	3514	3510	3400	3314	3236	3160	2817	2390	2301	2128	2053
35	Graders, Motor	4793	4649	4509	4359	4219	4010	3914	3759	3738	3645	3643	3561	3276	2992	2687	2492	2259	2109
40	Loaders, Track	5019	4845	4677	4555	4404	4163	3918	3770	3767	3791	3792	3655	3349	3061	2750	2482	2247	2053
45	Loaders, Wheel	4846	4742	4640	4532	4409	4235	4099	3991	3973	3944	3873	3788	3441	2938	2606	2375	2156	2002
50	Pile Driving Equipment	4391	4348	4305	4182	4029	3845	3745	3668	3626	3570	3519	3439	3208	2894	2562	2329	2135	1989
55	Rollers	4952	4808	4668	4630	4507	4412	4217	4151	4090	3926	3744	3431	3199	2913	2653	2396	2139	1983
60	Scrapers and Soil Stabilizers	4793	4649	4509	4359	4219	4010	3914	3759	3738	3645	3643	3561	3276	2992	2687	2492	2259	2109
65	Shovels, Backhoes & Hydraulic Excavators	4568	4431	4298	4152	3967	3688	3595	3485	3395	3339	3282	3213	3009	2782	2512	2301	2138	2010
70	Tractors, Crawlers Attachments	5019	4845	4677	4555	4404	4163	3918	3770	3767	3791	3792	3655	3349	3061	2750	2482	2247	2053
75	Tractor, Wheel	4372	4278	4186	4123	4018	3936	3862	3820	3818	3656	3557	3530	3256	2927	2578	2319	2125	1956
80	Trenchers	5259	5101	4948	4886	4753	4679	4600	4586	4488	4431	4360	4097	3618	3153	2772	2580	2300	1894
85	Trucks, Highway	3900	3783	3669	3546	3495	3363	3299	3282	3139	3055	2934	2824	2638	2324	2108	1934	1775	1646
90	Trucks & Wagons Off-Highway	5037	4886	4739	4617	4405	4094	3915	3840	3822	3786	3744	3662	3363	2964	2588	2364	2196	2081
95	All Other Equip.	4576	4438	4305	4182	4029	3845	3745	3668	3626	3570	3519	3439	3208	2894	2562	2329	2135	1989
100	All Tires & Tubes	2664	2584	2506	2470	2480	2399	2322	2340	2374	2421	2453	2552	2506	2369	2055	1792	1699	1615
105	Marine Equipment	4718	4576	4438	4271	4091	3920	3886	3863	3749	3633	3497	3391	3239	2922	2587	2352	2156	2008

EK = ECONOMIC KEY

APPENDIX E. ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT (Continued)

1967 = 1000

EK	EQUIPMENT DIVISIONS	1975	1074	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960	1959	1958
									AGE	IN	YEARS								
		17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
5	Air Equipment	1165	1028	935	920	929	936	918	970	1000	992	954	872	853	843	846	781	775	743
10	Asphalt & Concrete Paving Equipment	1610	1451	1304	1263	1235	1163	1091	1044	1000	963	931	905	872	858	844	830	812	777
15	Buckets	2175	1838	1430	1370	1316	1188	1062	1025	1000	1000	1003	978	971	953	950	950	960	1020
20	Cranes, Draglines & Clamshells - Crawler & Truck Mounted	1843	1522	1305	1260	1212	1147	1090	1049	1000	967	930	914	890	868	862	859	841	817
25	Drills	1559	1373	1249	1184	1160	1115	1052	1037	1000	993	971	914	904	904	901	852	851	798
30	Generators	1839	1456	1316	1293	1243	1188	1089	1029	1000	947	924	916	901	892	932	1007	1007	987
35	Graders, Motor	1956	1604	1361	1244	1208	1152	1101	1053	1000	975	951	923	903	877	869	872	866	829
40	Loaders, Track	1916	1573	1329	1219	1184	1135	1100	1079	1000	956	936	914	882	861	857	840	817	786
45	Loaders, Wheel	1907	1584	1362	1317	1261	1197	1144	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
50	Pile Driving Equipment	1852	1523	1307	1257	1218	1159	1104	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
55	Rollers	1872	1556	1328	1279	1230	1178	1082	1049	1000	962	936	908	903	900	885	874	819	749
60	Scrapers and Soil Stabilizers	1956	1604	1361	1244	1208	1152	1101	1053	1000	975	951	923	903	877	869	872	866	829
65	Shovels, Backhoes & Hydraulic Excavators	1843	1522	1305	1260	1212	1147	1090	1049	1000	967	930	914	890	868	862	859	841	817
70	Tractors, Crawlers Attachments	1916	1573	1329	1219	1184	1135	1100	1079	1000	956	936	914	882	861	857	840	817	786
75	Tractor, Wheel	1843	1498	1288	1251	1211	1152	1109	1050	1000	962	927	902	875	858	858	852	842	825
80	Trenchers	1633	1527	1384	1316	1284	1207	1113	1051	1000	990	961	950	919	915	902	888	859	833
85	Trucks, Highway	1524	1369	1230	1211	1185	1114	1062	1033	1000	980	975	965	967	975	981	981	1006	986
90	Trucks & Wagons Off-Highway	1965	1568	1315	1293	1245	1190	1135	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
95	All Other Equip.	1852	1523	307	1257	1218	1159	1104	1057	1000	965	936	912	890	875	873	859	841	812
100	All Tires & Tubes	1485	1334	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
105	Marine Equipment	1870	1538	1320	1269	1230	1170	1115	1067	1000	974	945	921	899	883	881	867	849	820

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 2-1 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, these belts are sized by width (inches) x length (feet) and ply rating.

The prices in this appendix are based on 1992 price level.

Contents

LT TRUCK 2

COMMERCIAL - OVER THE ROAD 3

FARM TIRES 4

SPECIALTY/INDUSTRIAL TIRES 9

MED.HVY COMMERCIAL - OFF ROAD 13

CONVEYOR BELTS 17

PERMAFOAM 18

APPENDIX F

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE (EP CODE)	DESCRIPTION	SIZE			PLY	TUBE[1]	COST($) PER EACH
TIRE GROUP = LT TRUCK							
RIB HI-MILER							
(ABAA1)	650-15	6.50	x	16.00	6	TT	69
(ABAA2)	670-15	6.70	x	15.00	6	TT	64
(ABAA3)	700-15	7.00	x	15.00	6	TL	69
TRACKER LT BLACK							
(ABAB8)	700-14	7.00	x	14.00	6	TL	78
(ABAB9)	700-14	7.00	x	14.00	8	TL	80
(ABAB1)	700-15	7.00	x	15.00	6	TL	91
(ABAB2)	G78-15	7.80	x	15.00	6	TL	95
(ABAB3)	H78-15	7.80	x	15.00	6	TL	98
(ABAB4)	L78-15	7.80	x	15.00	6	TL	102
(ABAB10)	800-165	8.00	x	16.50	8	TL	109
(ABAB5)	875-165	8.75	x	16.50	8	TL	117
(ABAB6)	875-165	8.75	x	16.50	10	TL	129
(ABAB7)	950-165	9.50	x	16.50	8	TL	127
(ABAB11)	950-165	9.50	x	16.50	10	TL	139
SUPER HI-MILER							
(ABAC25)	650-16	6.50	x	16.00	6	TL	111
(ABAC23)	670-15	6.70	x	15.00	6	TL	104
(ABAC24)	700-15	7.00	x	15.00	6	TL	110
(ABAC8)	700-15	7.00	x	15.00	8	TL	117
(ABAC9)	750-15	7.50	x	15.00	8	TT	75
(ABAC10)	750-16	7.50	x	16.00	8	TT	132
(ABAC26)	750-16	7.50	x	16.00	8	TL	125
(ABAC27)	750-16	7.50	x	16.00	10	TL	142
(ABAC11)	750-20	7.50	x	20.00	10	TT	135
(ABAC28)	800-195	8.00	x	19.50	8	TL	184
(ABAC12)	825-20	8.25	x	20.00	10	TT	215
(ABAC13)	825-20	8.25	x	20.00	12	TT	280
(ABAC14)	900-20	9.00	x	20.00	10	TT	247
(ABAC15)	900-20	9.00	x	20.00	12	TT	302
(ABAC16)	1000-20	10.00	x	20.00	12	TT	311
(ABAC17)	1000-20	10.00	x	20.00	14	TT	380
(ABAC18)	1000-20	10.00	x	22.00	12	TT	345
(ABAC19)	1100-20	11.00	x	20.00	12	TT	375
(ABAC20)	1100-20	11.00	x	20.00	14	TT	423
(ABAC21)	1100-22	11.00	x	22.00	14	TT	345
(ABAC22)	1100-22	11.00	x	22.00	14	TT	441
CUSTOM HI-MILER							
(ABAD1)	1100-20	11.00	x	20.00	14	TL	302
(ABAD2)	12-165	12.00	x	16.50	10	TT	223
(ABAD3)	1200-20	12.00	x	20.00	14	TT	549
(ABAD4)	1200-20	12.00	x	20.00	16	TT	603
(ABAD5)	14-175	14.00	x	17.50	10	TL	479
(ABAD6)	1400-20	14.00	x	20.00	18	TT	795
RIB HI-MILER LP TRAILER							
(ABAE1)	690-15	6.90	x	15.00	8	TT	137
(ABAE2)	750-15	7.50	x	15.00	12	TT	174
(ABAE3)	825-15	8.25	x	15.00	12	TT	180
(ABAE4)	825-15	8.25	x	15.00	14	TT	261
(ABAE5)	900-15	9.00	x	15.00	12	TT	208

[1] TT = Tube-Type Tires, TL = Tubeless Tires

APPENDIX F

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE (EP CODE)	DESCRIPTION	SIZE			PLY	TUBE[1]	COST($) PER EACH
(ABAE6)	1000-15	10.00	x	15.00	12	TT	283
(ABAE7)	1000-15	10.00	x	15.00	14	TT	261
CUSTOM HI-MILER SUPER SINGLE							
(ABAH5)	12-165	12.00	x	16.50	10	TL	226
(ABAH6)	12-165	12.00	x	16.50	12	TL	254
(ABAH7)	14-175	14.00	x	17.50	10	TL	489
(ABAH1)	15-225	15.00	x	22.50	16	TL	634
(ABAH2)	165-225	16.50	x	22.50	16	TL	712
(ABAH3)	18-225	18.00	x	22.50	16	TL	672
(ABAH4)	18-225	18.00	x	22.50	18	TL	743
TRACKER LT II							
(ABCG1)	700-15	7.00	x	15.00	6	TL	71
(ABCG2)	700-15	7.00	x	15.00	8	TL	75
TIRE GROUP = COMMERCIAL - OVER THE ROAD							
SUPER HI-MILER							
(ACAC1)	750-20	7.50	x	20.00	10	TT	143
(ACAC2)	825-20	8.25	x	20.00	10	TT	165
(ACAC3)	825-20	8.25	x	20.00	12	TT	188
(ACAC4)	900-20	9.00	x	20.00	10	TT	198
(ACAC5)	900-20	9.00	x	20.00	12	TT	219
(ACAC6)	1000-20	10.00	x	20.00	12	TT	247
(ACAC7)	1000-20	10.00	x	20.00	14	TT	286
(ACAC10)	1000-22	10.00	x	22.00	12	TT	280
(ACAC12)	1000-225	10.00	x	22.50	10	TL	200
(ACAC8)	1100-20	11.00	x	20.00	12	TT	287
(ACAC9)	1100-20	11.00	x	20.00	14	TT	343
(ACAC11)	1100-22	11.00	x	22.00	14	TT	373
(ACAC13)	1100-225	11.00	x	22.50	12	TL	270
(ACAC14)	1100-245	11.00	x	24.50	12	TL	285
CUSTOM HI-MILER							
(ACAD1)	1200-20	12.00	x	20.00	14	TT	449
(ACAD2)	1200-20	12.00	x	20.00	16	TT	522
(ACAD3)	1400-20	14.00	x	20.00	18	TT	656
(ACAD4)	1400-24	14.00	x	24.00	20	TT	814
(ACAD5)	1500-225	15.00	x	22.50	16	TL	560
(ACAD6)	1650-225	16.50	x	22.50	16	TL	623
(ACAD7)	1800-195	18.00	x	19.50	18	TL	739
SRL 1							
(ACAF6)	900-20	9.00	x	20.00	20	TT	310
(ACAF1)	1000-20	10.00	x	20.00	12	TT	364
(ACAF7)	1000-20	10.00	x	20.00	20	TT	406
(ACAF2)	1120-14	11.00	x	20.00	14	TT	324
(ACAF8)	1100-22	11.00	x	22.00	22	TT	469
(ACAF3)	1400-20	14.00	x	20.00	18	TT	830
(ACAF5)	1400-24	14.00	x	24.00	20	TT	953
CUSTOM CROSS RIB HI-MILER							
(ACAG1)	900-20	9.00	x	20.00	10	TT	233
(ACAG2)	1000-20	10.00	x	20.00	12	TT	287

[1] TT = Tube-Type Tires, TL = Tubeless Tires

APPENDIX F

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE (EP CODE)	DESCRIPTION	SIZE			PLY	TUBE[1]	COST($) PER EACH
(ACAG3)	1000-22	10.00	x	22.00	12	TT	260
(ACAG4)	1000-20	11.00	x	20.00	12	TT	267
(ACAG5)	1100-20	11.00	x	20.00	14	TT	390
(ACAG6)	1100-22	11.00	x	22.00	12	TT	366
(ACAG7)	11-225	11.00	x	22.50	12	TL	298
CUSTOM HI-MILER SUPER SINGLE							
(ACAH1)	15-225	15.00	x	22.50	14	TL	549
(ACAH2)	15-225	15.00	x	22.50	16	TL	562
(ACAH3)	165-225	16.50	x	22.50	16	TL	621
(ACAH4)	18-195	18.00	x	19.50	18	TL	740
(ACAH5)	18-225	18.00	x	22.50	16	TL	708
(ACAH6)	18-225	18.00	x	22.50	18	TL	732
CUSTOM XTRA GRIP HI-MILER							
(ACCI1)	750-20	7.50	x	20.00	10	TT	163
(ACCI2)	825-20	8.25	x	20.00	10	TT	178
(ACCI3)	900-20	9.00	x	20.00	10	TT	226
(ACCI4)	900-20	9.00	x	20.00	12	TT	251
(ACCI5)	1000-20	10.00	x	20.00	12	TT	271
(ACCI6)	1000-20	10.00	x	20.00	14	TT	313
(ACCI7)	1100-20	11.00	x	20.00	12	TT	316
(ACCI8)	1100-20	11.00	x	20.00	14	TT	359
HI-MILER LPT							
(ACCZ1)	750-15	7.50	x	15.00	12	TT	182
(ACCZ2)	825-15	8.25	x	15.00	12	TT	189
(ACCZ3)	825-15	8.25	x	15.00	14	TT	219
(ACCZ4)	900-15	9.00	x	15.00	12	TT	214
(ACCZ5)	1000-15	10.00	x	15.00	14	TT	274
TIRE GROUP = FARM TIRES							
POWER TORQUE REAR TRACTOR R-1							
(ADAO7)	600-12	6.00	x	12.00	2	TL	48
(ADAO8)	600-12	6.00	x	12.00	4	TL	53
(ADAO9)	830-16	8.30	x	16.00	4	TL	146
(ADAO10)	830-16	8.30	x	16.00	6	TL	168
(ADAO11)	950-16	9.50	x	16.00	4	TL	192
(ADAO6)	950-16	9.50	x	16.00	6	TT	216
(ADAO3)	136-26	13.60	x	26.00	6	TT	389
(ADAO1)	136-28	13.60	x	28.00	6	TT	356
(ADAO5)	149-26	14.90	x	26.00	6	TT	432
(ADAO2)	184-161	18.40	x	16.10	6	TL	512
(ADAO4)	184-28	18.40	x	28.00	6	TT	630
ALL WEATHER REAR TRACTOR R-3							
(ADAQ9)	83-24	8.30	x	24.00	4	TT	203
(ADAQ7)	95-16	9.50	x	16.00	4	TT	203
(ADAQ1)	95-24	9.50	x	24.00	4	TT	236
(ADAQ14)	124-16	12.40	x	16.00	8	TL	265
(ADAQ8)	124-16	12.40	x	16.00	12	TT	342
(ADAQ15)	136-161	13.60	x	16.10	8	TL	480
(ADAQ12)	136-28	13.60	x	28.00	4	TT	385
(ADAQ25)	136-28	13.60	x	28.00	6	TL	424

[1] TT = Tube-Type Tires, TL = Tubeless Tires

APPENDIX F

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE (EP CODE)	DESCRIPTION	SIZE	PLY	TUBE[1]	COST($) PER EACH
(ADAQ2)	136-28	13.60 x 28.00	6	TT	446
(ADAQ3)	149-24	14.90 x 24.00	6	TT	470
(ADAQ10)	149-24	14.90 x 24.00	8	TT	483
(ADAQ16)	165L-161	16.50 x 16.10	6	TL	458
(ADAQ11)	169-24	16.90 x 24.00	6	TT	570
(ADAQ28)	169-34	16.90 x 34.00	10	TL	1,138
(ADAQ4)	184-161	18.40 x 16.10	6	TT	571
(ADAQ17)	184-161	18.40 x 16.10	8	TL	641
(ADAQ18)	184-26	18.40 x 26.00	6	TL	670
(ADAQ19)	184-26	18.40 x 26.00	10	TL	875
(ADAQ20)	231-26	23.10 x 26.00	8	TL	1,152
(ADAQ5)	231-26	23.10 x 26.00	8	TT	1,030
(ADAQ21)	231-26	23.10 x 26.00	10	TL	1,183
(ADAQ6)	231-26	23.10 x 26.00	10	TT	1,172
(ADAQ22)	231-26	23.10 x 26.00	12	TL	1,522
(ADAQ26)	245-32	24.50 x 32.00	12	TL	2,187
(ADAQ23)	28L-26	28.00 x 26.00	10	TL	1,534
(ADAQ24)	28L-26	28.00 x 26.00	12	TL	1,872
(ADAQ27)	305L-32	30.50 x 32.00	12	TL	3,001
(ADAQ13)	305L-32	30.50 x 32.00	16	TT	3,652
INDUSTRIAL SURE GRIP R-4					
(ADAR10)	149-24	14.90 x 24.00	6	TT	385
(ADAR1)	149-24	14.90 x 24.00	6	TL	392
(ADAR11)	149-24	14.90 x 24.00	8	TT	438
(ADAR2)	149-24	14.90 x 24.00	8	TL	484
(ADAR14)	149-28	14.90 x 28.00	8	TT	586
(ADAR5)	149-28	14.90 x 28.00	14	TL	722
(ADAR6)	169-24	16.90 x 24.00	6	TL	483
(ADAR12)	169-24	16.90 x 24.00	8	TT	514
(ADAR3)	169-24	16.90 x 24.00	8	TL	546
(ADAR7)	169-24	16.90 x 24.00	10	TL	641
(ADAR15)	169-28	16.90 x 28.00	8	TT	598
(ADAR4)	169-28	16.90 x 28.00	10	TL	672
(ADAR8)	184-24	18.40 x 24.00	8	TL	820
(ADAR9)	184-24	18.40 x 24.00	10	TL	891
(ADAR13)	184-24	18.40 x 24.00	12	TT	969
(ADAR16)	184-28	18.40 x 28.00	8	TT	715
(ADAR17)	184-28	18.40 x 28.00	12	TT	851
LOGGER LUG STEELGARD LS-2					
(ADAS2)	184-26	18.40 x 26.00	10	TT	1,213
(ADAS8)	184-34	18.40 x 34.00	10	TT	1,584
(ADAS1)	231-26	23.10 x 26.00	10	TT	1,826
(ADAS4)	245-32	24.50 x 32.00	12	TT	2,519
(ADAS5)	245-32	24.50 x 32.00	16	TT	3,001
(ADAS3)	28L-26	28.00 x 26.00	12	TT	2,208
(ADAS6)	305L-32	30.50 x 32.00	12	TT	3,049
(ADAS7)	305L-32	30.50 x 32.00	16	TT	3,478
TRACTION TORQUE REAR TRACTOR R-1					
(ADAT5)	112-36	11.20 x 36.00	4	TT	273
(ADAT8)	112-38	11.20 x 38.00	4	TT	303
(ADAT6)	124-36	12.40 x 36.00	4	TT	304
(ADAT7)	139-36	13.90 x 36.00	4	TT	342
(ADAT1)	149-24	14.90 x 24.00	6	TL	365
(ADAT9)	149-38	14.90 x 38.00	4	TT	462
(ADAT2)	169-24	16.90 x 24.00	6	TT	374
(ADAT3)	184-30	18.40 x 30.00	10	TT	542
(ADAT4)	231-26	23.10 x 26.00	8	TL	1,128

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

APPENDIX F

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE (EP CODE)	DESCRIPTION	SIZE			PLY	TUBE[1]	COST($) PER EACH
SINGLE RIB FRONT TRACTOR F-1							
(ADAU2)	600-16	6.00	x	16.00	4	TT	92
(ADAU1)	750-16	7.50	x	16.00	6	TT	137
(ADAU3)	1000-16	10.00	x	16.00	6	TT	189
FARM SERVICE I-1							
(ADAV4)	750-14	7.50	x	14.00	4	TL	63
(ADAV26)	85L-14	8.50	x	14.00	6	TT	88
(ADAV5)	95L-14	9.50	x	14.00	4	TL	84
(ADAV27)	95L-14	9.50	x	14.00	6	TT	95
(ADAV6)	95L-14	9.50	x	14.00	6	TL	93
(ADAV29)	95L-15	9.50	x	15.00	6	TT	98
(ADAV9)	95L-15	9.50	x	15.00	6	TL	93
(ADAV30)	95L-15	9.50	x	15.00	8	TT	101
(ADAV10)	1000-15	10.00	x	15.00	8	TL	114
(ADAV7)	11L-14	11.00	x	14.00	4	TL	105
(ADAV28)	11L-14	11.00	x	14.00	6	TT	106
(ADAV8)	11L-14	11.00	x	14.00	6	TL	96
(ADAV12)	11L-15	11.00	x	15.00	6	TL	101
(ADAV31)	11L-15	11.00	x	15.00	6	TT	106
(ADAV13)	11L-15	11.00	x	15.00	8	TL	111
(ADAV32)	11L-15	11.00	x	15.00	8	TT	110
(ADAV14)	11L-15	11.00	x	15.00	10	TL	134
(ADAV11)	11L-15	11.00	x	15.00	12	TL	164
(ADAV33)	11L-15	11.00	x	15.00	12	TT	158
(ADAV17)	11L-16	11.00	x	16.00	8	TL	114
(ADAV36)	11L-16	11.00	x	16.00	8	TT	126
(ADAV1)	11L-16	11.00	x	16.00	10	TL	131
(ADAV37)	11L-16	11.00	x	16.00	10	TT	145
(ADAV15)	125L-15	12.50	x	15.00	8	TL	93
(ADAV34)	125L-15	12.50	x	15.00	8	TT	134
(ADAV35)	125L-15	12.50	x	15.00	10	TT	160
(ADAV16)	125L-15	12.50	x	15.00	12	TL	179
(ADAV2)	125L-15	12.50	x	15.00	12	TL	179
(ADAV18)	125L-16	12.50	x	16.00	8	TL	144
(ADAV38)	125L-16	12.50	x	16.00	8	TT	154
(ADAV19)	125L-16	12.50	x	16.00	12	TL	172
(ADAV3)	14L-161	14.00	x	16.10	6	TL	239
(ADAV20)	165L-161	16.50	x	16.10	8	TL	268
(ADAV21)	165L-161	16.50	x	16.10	10	TL	297
(ADAV22)	19L-161	19.00	x	16.10	8	TL	360
(ADAV23)	19L-161	19.00	x	16.10	10	TL	423
(ADAV24)	215L-161	21.50	x	16.10	10	TL	442
(ADAV25)	215L-161	21.50	x	16.10	14	TL	518
IMPLEMENT RIB I-1							
(ADAW2)	400-09	4.00	x	9.00	4	TT	37
(ADAW3)	400-12	4.00	x	12.00	4	TT	40
(ADAW13)	400-18	4.00	x	18.00	4	TT	57
(ADAW5)	500-15	5.00	x	15.00	4	TT	57
(ADAW19)	590-15	5.90	x	15.00	4	TL	61
(ADAW8)	600-16	6.00	x	16.00	6	TT	74
(ADAW20)	640-15	6.40	x	15.00	6	TL	67
(ADAW9)	650-16	6.50	x	16.00	6	TT	71
(ADAW21)	670-15	6.70	x	15.00	4	TL	68
(ADAW6)	670-15	6.70	x	15.00	6	TT	69
(ADAW29)	700-12	7.00	x	12.00	6	TL	93
(ADAW10)	750-16	7.50	x	16.00	6	TT	91
(ADAW1)	750-16	7.50	x	16.00	8	TT	116
(ADAW11)	750-16	7.50	x	16.00	10	TT	109
(ADAW14)	750-18	7.50	x	18.00	6	TT	101

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

APPENDIX F

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE (EP CODE)	DESCRIPTION	SIZE	PLY	TUBE[1]	COST($) PER EACH
(ADAW24)	750-20	7.50 x 20.00	4	TL	106
(ADAW15)	750-20	7.50 x 20.00	6	TT	125
(ADAW28)	750-24	7.50 x 24.00	6	TL	183
(ADAW22)	760-15	7.60 x 15.00	4	TL	75
(ADAW23)	760-15	7.60 x 15.00	6	TL	83
(ADAW7)	760-15	7.60 x 15.00	6	TT	84
(ADAW4)	900-10	9.00 x 10.00	4	TT	94
(ADAW12)	900-16	9.00 x 16.00	10	TT	123
(ADAW25)	900-24	9.00 x 24.00	6	TL	217
(ADAW16)	900-24	9.00 x 24.00	8	TT	225
(ADAW26)	900-24	9.00 x 24.00	8	TL	239
(ADAW17)	1125-24	11.25 x 24.00	8	TT	302
(ADAW27)	1125-24	11.25 x 24.00	8	TL	305
(ADAW18)	1125-28	11.25 x 28.00	12	TT	446
LABORER F-3					
(ADAX6)	800-16	8.00 x 16.00	6	TL	106
(ADAX7)	800-16	8.00 x 16.00	10	TL	128
(ADAX5)	11L-15	11.00 x 15.00	8	TL	114
(ADAX1)	11L-15	11.00 x 15.00	10	TL	135
(ADAX8)	11L-16	11.00 x 16.00	8	TL	147
(ADAX2)	11L-16	11.00 x 16.00	10	TL	147
(ADAX3)	11L-16	11.00 x 16.00	12	TL	168
(ADAX4)	145/75-161	14.50 x 16.10	10	TL	349
SMOOTH					
(ADBY1)	169-30	16.90 x 30.00	6	TL	946
ALL SERVICE SUPER SINGLE					
(ADCA1)	15-195	15.00 x 19.50	14	TL	483
(ADCA2)	18-195	18.00 x 19.50	16	TL	773
INDUSTRIAL TORQUE R-4					
(ADCC1)	175L-24	17.50 x 24.00	6	TL	442
(ADCC7)	175L-24	17.50 x 24.00	8	TL	485
(ADCC2)	175L-24	17.50 x 24.00	10	TL	660
(ADCC8)	195L-24	19.50 x 24.00	8	TL	629
(ADCC3)	195L-24	19.50 x 24.00	10	TL	738
(ADCC4)	195L-24	19.50 x 24.00	12	TL	814
(ADCC9)	21L-24	21.00 x 24.00	10	TL	865
(ADCC5)	21L-24	21.00 x 24.00	12	TL	951
(ADCC6)	21L-24	21.00 x 24.00	16	TL	1,235
(ADCC10)	21L-28	21.00 x 28.00	10	TL	995
(ADCC11)	21L-28	21.00 x 28.00	14	TL	1,078
DYNA TORQUE II REAR TRACTOR R-1					
(ADCJ75)	700-12	7.00 x 12.00	4	TL	100
(ADCJ74)	700-14	7.00 x 14.00	4	TL	103
(ADCJ1)	83-24	8.30 x 24.00	4	TT	177
(ADCJ2)	83-24	8.30 x 24.00	6	TT	165
(ADCJ3)	95-24	9.50 x 24.00	4	TT	200
(ADCJ4)	95-24	9.50 x 24.00	6	TT	225
(ADCJ47)	112-16	11.20 x 16.00	4	TL	172
(ADCJ5)	112-24	11.20 x 24.00	4	TT	216
(ADCJ6)	112-24	11.20 x 24.00	6	TT	253
(ADCJ7)	112-24	11.20 x 24.00	8	TT	277
(ADCJ17)	112-28	11.20 x 28.00	4	TT	261
(ADCJ8)	124-24	12.40 x 24.00	4	TT	269
(ADCJ48)	124-24	12.40 x 24.00	6	TL	313
(ADCJ49)	124-24	12.40 x 24.00	8	TL	326
(ADCJ9)	124-24	12.40 x 24.00	8	TT	332

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

APPENDIX F

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE (EP CODE)	DESCRIPTION	SIZE	PLY	TUBE[1]	COST($) PER EACH
(ADCJ18)	124-28	12.40 x 28.00	4	TT	289
(ADCJ32)	124-38	12.40 x 38.00	4	TT	354
(ADCJ33)	124-38	12.40 x 38.00	6	TT	370
(ADCJ10)	136-24	13.60 x 24.00	4	TT	303
(ADCJ11)	136-24	13.60 x 24.00	8	TT	358
(ADCJ19)	136-28	13.60 x 28.00	4	TT	322
(ADCJ20)	136-28	13.60 x 28.00	6	TT	349
(ADCJ58)	136-28	13.60 x 28.00	10	TL	421
(ADCJ34)	136-38	13.60 x 38.00	4	TT	380
(ADCJ35)	136-38	13.60 x 38.00	6	TT	415
(ADCJ12)	149-24	14.90 x 24.00	4	TT	318
(ADCJ13)	149-24	14.90 x 24.00	6	TT	356
(ADCJ50)	149-24	14.90 x 24.00	6	TL	365
(ADCJ51)	149-24	14.90 x 24.00	8	TL	393
(ADCJ21)	149-28	14.90 x 28.00	4	TT	330
(ADCJ22)	149-28	14.90 x 28.00	6	TT	365
(ADCJ36)	155-38	15.50 x 38.00	6	TT	474
(ADCJ14)	169-24	16.90 x 24.00	6	TT	406
(ADCJ23)	169-28	16.90 x 28.00	6	TT	424
(ADCJ24)	169-30	16.90 x 30.00	6	TT	473
(ADCJ59)	169-30	16.90 x 30.00	10	TL	573
(ADCJ27)	169-34	16.90 x 34.00	6	TT	554
(ADCJ68)	169-34	16.90 x 34.00	8	TL	631
(ADCJ69)	169-34	16.90 x 34.00	10	TL	663
(ADCJ37)	169-38	16.90 x 38.00	6	TT	613
(ADCJ38)	169-38	16.90 x 38.00	8	TT	670
(ADCJ15)	184-26	18.40 x 26.00	6	TT	513
(ADCJ52)	184-26	18.40 x 26.00	6	TL	528
(ADCJ16)	184-26	18.40 x 26.00	10	TT	644
(ADCJ73)	184-28	18.40 x 28.00	6	TT	506
(ADCJ25)	184-30	18.40 x 30.00	6	TT	574
(ADCJ60)	184-30	18.40 x 30.00	12	TL	857
(ADCJ28)	184-34	18.40 x 34.00	6	TT	607
(ADCJ29)	184-34	18.40 x 34.00	8	TT	663
(ADCJ39)	184-38	18.40 x 38.00	6	TT	649
(ADCJ40)	184-38	18.40 x 38.00	8	TT	723
(ADCJ41)	184-38	18.40 x 38.00	10	TT	994
(ADCJ44)	184-42	18.40 x 42.00	8	TT	1,025
(ADCJ45)	184-42	18.40 x 42.00	10	TT	1,089
(ADCJ30)	208-34	20.80 x 34.00	8	TT	882
(ADCJ42)	208-38	20.80 x 38.00	8	TT	979
(ADCJ43)	208-38	20.80 x 38.00	10	TT	1,132
(ADCJ72)	208-38	20.80 x 38.00	14	TL	1,615
(ADCJ46)	208-42	20.80 x 42.00	10	TT	1,313
(ADCJ53)	231-26	23.10 x 26.00	8	TL	1,128
(ADCJ54)	231-26	23.10 x 26.00	10	TL	1,204
(ADCJ55)	231-26	23.10 x 26.00	12	TL	1,310
(ADCJ26)	231-30	23.10 x 30.00	8	TT	1,071
(ADCJ61)	231-30	23.10 x 30.00	10	TL	1,685
(ADCJ31)	234-34	23.10 x 34.00	8	TT	1,342
(ADCJ70)	231-34	23.10 x 34.00	8	TL	1,477
(ADCJ71)	231-34	23.10 x 34.00	10	TL	1,480
(ADCJ62)	245-32	24.50 x 32.00	10	TL	1,406
(ADCJ63)	245-32	24.50 x 32.00	12	TL	1,646
(ADCJ56)	28L-26	28.00 x 26.00	10	TL	1,467
(ADCJ57)	28L-26	28.00 x 26.00	12	TL	1,680
(ADCJ64)	305L-32	30.50 x 32.00	10	TL	1,785
(ADCJ65)	305L-32	30.50 x 32.00	12	TL	1,960
(ADCJ66)	305L-32	30.50 x 32.00	14	TL	2,156
(ADCJ67)	305L-32	30.50 x 32.00	16	TL	2,372

[1] TT = Tube-Type Tires, TL = Tubeless Tires

APPENDIX F

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE (EP CODE)	DESCRIPTION	SIZE	PLY	TUBE[1]	COST($) PER EACH
SUPER RIB FRONT TRACTOR					
(ADCK5)	400-12	4.00 x 12.00	4	TL	46
(ADCK1)	600-14	6.00 x 14.00	6	TT	89
(ADCK2)	750-16	7.50 x 16.00	6	TT	96
(ADCK3)	750-16	7.50 x 16.00	8	TT	100
(ADCK6)	95L-15	9.50 x 15.00	6	TL	108
(ADCK4)	950-20	9.50 x 20.00	8	TT	193
TIRE GROUP = SPECIALTY/INDUSTRIAL TIRES					
CAMPER-TRAILER TIRES					
(AEAI2)	480-8	4.80 x 8.00	4	TL	27
(AEAI3)	480-8	4.80 x 8.00	6	TL	33
(AEAI1)	500-12	5.00 x 12.00	4	TT	60
XTRA TRACTION MINE & INDUSTRIAL					
(AEAJ10)	28-9-15	x	12	TT	269
(AEAJ6)	570-8	5.70 x 8.00	8	TT	80
(AEAJ1)	650-10	6.50 x 10.00	10	TT	143
(AEAJ7)	690-9	6.90 x 9.00	10	TT	129
(AEAJ2)	700-12	7.00 x 12.00	10	TT	204
(AEAJ8)	700-12	7.00 x 12.00	12	TT	208
(AEAJ3)	700-15	7.00 x 15.00	12	TT	193
(AEAJ4)	750-15	7.50 x 15.00	10	TT	317
(AEAJ5)	825-15	8.25 x 15.00	12	TT	260
(AEAJ9)	900-10	9.00 x 10.00	16	TT	563
HARD ROCK LUG MINE & INDUSTRIAL					
(AEAK1)	900-20	9.00 x 20.00	12	TT	398
(AEAK2)	1000-20	10.00 x 20.00	14	TT	463
(AEAK3)	1100-15	11.00 x 15.00	16	TT	672
PRESSED ON INDUST. TIRES XTRA CUSHION SMOOTH					
(AEAL10)	1625-6	x			102
(AEAL11)	18-7-1218	x			123
(AEAL12)	18-8-1218	x			144
(AEAL13)	18-9-1218	x			173
(AEAL14)	22-6-1734	x			112
(AEAL15)	22-9-16	x			248
(AEAL16)	10-4-5	x			63
(AEAL17)	1012-5-5	x			80
(AEAL18)	13-312-8	x			61
(AEAL19)	14-412-8	x			80
(AEAL1)	59-22	x			51
(AEAL20)	1512-6-10	x			90
(AEAL21)	16-5-1012	x			104
(AEAL22)	1614-7-1114	x			123
(AEAL23)	18-5-1218	x			113
(AEAL24)	18-6-1218	x			117
(AEAL25)	18-7-14	x			109
(AEAL26)	18-8-14	x			126
(AEAL27)	18-9-14	x			140
(AEAL28)	21-5-15	x			106
(AEAL29)	21-6-15	x			138
(AEAL2)	12-312-8	x			54

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

APPENDIX F

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE (EP CODE)	DESCRIPTION	SIZE			PLY	TUBE[1]	COST($) PER EACH
(AEAL30)	21-7-15		x				159
(AEAL31)	21-8-15		x				182
(AEAL32)	22-8-16		x				200
(AEAL33)	1614-6-1114		x				98
(AEAL3)	22-12-16		x				414
(AEAL4)	13-45		x				72
(AEAL5)	22-12-16		x				414
(AEAL6)	16-5-1012		x				100
(AEAL7)	16-6-1012		x				111
(AEAL8)	22-16-16		x				536
(AEAL9)	1625-5		x				104
INDUSTRIAL TERRA SOF-TRAC							
(AEAM10)	20-1000-8		x		2	TL	50
(AEAM12)	23-1050-12		x		2	TL	61
(AEAM4)	11-400-5		x		2	TL	19
(AEAM5)	13-500-6		x		2	TL	21
(AEAM7)	15-600-6		x		2	TL	26
(AEAM8)	16-650-8		x		2	TL	31
(AEAM9)	18-650-8		x		2	TL	33
(AEAM11)	20-1000-8		x		4	TL	56
(AEAM13)	23-1050-12		x		4	TL	67
(AEAM14)	26-1200-12		x		4	TL	80
(AEAM6)	14-600-6		x		4	TL	38
(AEAM1)	16-650-8	16.00	x	6.50	4	TL	36
(AEAM2)	18-850-8	18.00	x	8.50	2	TL	34
(AEAM3)	18-850-8	18.00	x	8.50	4	TL	38
SURE GRIP-XTRA TRACTION TERRA							
(AEAN1)	23-850-12	23.00	x	8.50	4	TL	56
(AEAN2)	26-1200-12	26.00	x	12.00	4	TL	81
(AEAN3)	31-1550-15	31.00	x	15.50	8	TL	288
COMPACTOR SMOOTH FLAT TREAD							
(AEAY2)	750-15	7.50	x	15.00	6	TT	168
(AEAY4)	750-15	7.50	x	15.00	6	TL	158
(AEAY3)	750-15	7.50	x	15.00	12	TT	259
(AEAY1)	1400-24	14.00	x	24.00	20	TT	1,332
E-3 HARD ROCK LUG							
(AEBD7)	1800-25	18.00	x	25.00	20	TL	2,089
(AEBD11)	2100-35	21.00	x	35.00	28	TL	4,381
(AEBD14)	375-51	37.50	x	51.00	44	TL	13,159
E-3 HARD ROCK LUG 8							
(AEBF1)	2400-49	24.00	x	49.00	36	TL	6,956
E-3 SUPER HARD ROCK LUG							
(AEBG6)	235-25	23.50	x	25.00	24	TL	2,245
(AEBG7)	265-25	26.50	x	25.00	24	TL	3,657
(AEBG10)	295-29	29.50	x	29.00	22	TL	4,577
(AEBG13)	3325-29	33.25	x	29.00	26	TL	6,681
(AEBG14)	3325-35	33.25	x	35.00	32	TL	7,332
(AEBG15)	3325-35	33.25	x	35.00	38	TL	7,374
(AEBG16)	3350-33	33.50	x	33.00	38	TL	9,011
(AEBG17)	375-39	37.50	x	39.00	36	TL	9,947
(AEBG18)	375-39	37.50	x	39.00	44	TL	5,477
E-3 SUPER HARD ROCK LUG 8							
(AEBH1)	295-29	29.50	x	29.00	26	TL	4,929

[1] TT = Tube-Type Tires, TL = Tubeless Tires

APPENDIX F

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE (EP CODE)	DESCRIPTION	SIZE			PLY	TUBE[1]	COST($) PER EACH
E-4 HARD ROCK LUG XTRA-TRED 8							
(AEBJ1)	1600-25	16.00	x	25.00	28	TL	1,888
(AEBJ2)	1800-49	18.00	x	49.00	32	TL	3,827
(AEBJ3)	2400-35	24.00	x	35.00	42	TL	7,186
(AEBJ4)	2400-43	24.00	x	43.00	42	TL	7,764
(AEBJ5)	2400-49	24.00	x	49.00	42	TL	8,613
(AEBJ6)	2400-49	24.00	x	49.00	44	TL	8,613
(AEBJ7)	2700-49	27.00	x	49.00	42	TL	10,187
(AEBJ8)	3000-51	30.00	x	51.00	46	TL	12,503
E-7 EARTHMOVER ALL WEATHER							
(AEBK1)	1800-25	18.00	x	25.00	40	TT	2,136
G-3 ROCK GRADER							
(AEBO1)	1300-24	13.00	x	24.00	8	TL	447
(AEBO2)	1300-24	13.00	x	24.00	10	TL	493
(AEBO3)	1300-24	13.00	x	24.00	12	TL	542
(AEBO4)	1400-24	14.00	x	24.00	10	TL	569
(AEBO5)	1400-24	14.00	x	24.00	12	TL	623
(AEBO7)	1600-24	16.00	x	24.00	12	TL	1,245
L-4 SUPER HARD ROCK LUG D&L XT / HRL DL 5A							
(AEBS2)	3325-35	33.25	x	35.00	26	TL	9,342
L-4 NYLOSTEEL XTRA TRED D&L B/B							
(AEBT3)	35/65-33	35.65	x	33.00	30	TL	11,184
(AEBT2)	40/65/39	40.65	x	39.00	30	TL	11,639
(AEBT4)	45/65-45	45.65	x	45.00	38	TL	19,129
(AEBT5)	50/65-51	50.65	x	51.00	54	TL	26,595
L-4S,5S SMOOTH SUPER XT D&L							
(AEBW1)	1800-25	18.00	x	25.00	24	TL	4,145
(AEBW2)	1800-25	18.00	x	25.00	28	TL	4,352
(AEBW3)	2100-25	21.00	x	25.00	32	TL	7,656
SURE GRIPLOADER SUPER SINGLE							
(AEBX1)	15-195	15.00	x	19.50	12	TL	606
LOADER SERVICE							
(AEBZ1)	570-12	5.70	x	12.00	4	TL	77
(AEBZ2)	570-15	5.70	x	15.00	4	TL	109
(AEBZ3)	700-15	7.00	x	15.00	6	TL	128
(AEBZ4)	825-15	8.25	x	15.00	6	TL	201
MATERIAL HANDLING -XTRA TRACTION							
(AECL6)	18-7-8		x		12	TT	109
(AECL7)	21-8-9		x		14	TT	157
(AECL2)	700L-15	7.00	x	15.00	12	TT	193
(AECL1)	750-10	7.50	x	10.00	12	TT	132
(AECL3)	750-15	7.50	x	15.00	10	TT	228
(AECL4)	750-15	7.50	x	15.00	12	TT	307
(AECL5)	825-15	8.25	x	15.00	12	TT	260
SURE GRIP LUG SUPER SINGLE							
(AECM1)	10-165	10.00	x	16.50	6	TL	149
(AECM2)	12-165	12.00	x	16.50	6	TL	187
(AECM3)	12-165	12.00	x	16.50	8	TL	200
(AECM4)	12-165	12.00	x	16.50	10	TL	234
(AECM5)	14-175	14.00	x	17.50	6	TL	403
(AECM6)	14-175	14.00	x	17.50	8	TL	468
(AECM7)	14-175	14.00	x	17.50	10	TL	508

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

APPENDIX F

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE (EP CODE)	DESCRIPTION	SIZE	PLY	TUBE[1]	COST($) PER EACH
(AECM10)	15-195	15.00 x 19.50	8	TL	552
(AECM8)	15-195	15.00 x 19.50	12	TL	606
(AECM9)	*15-195	15.00 x 19.50	12	TL	891
SUPER TERRA GRIP					
(AECW2)	23-850-12	x	2	TL	48
(AECW4)	23-1050-12	x	2	TL	63
(AECW6)	26-1200-12	x	2	TL	68
(AECW9)	27-850-15	x	2	TL	90
(AECW10)	27-850-15	x	4	TL	91
(AECW11)	29-1250-15	x	4	TL	166
(AECW13)	31-1550-15	x	4	TL	210
(AECW1)	16-650-8	x	4	TL	36
(AECW3)	23-850-12	x	4	TL	56
(AECW5)	23-1050-12	x	4	TL	72
(AECW7)	26-1200-12	x	4	TL	81
(AECW12)	29-1250-15	x	6	TL	183
(AECW14)	31-1550-15	x	8	TL	288
(AECW15)	38-2000-161	x	8	TL	683
(AECW8)	26-1200-12	x	8	TL	114
SURE GRIP LUG					
(AECY1)	23-850-12	x	4	TL	90
(AECY3)	27-850-15	x	4	TL	104
(AECY2)	25-1250-15	x	6	TL	133
(AECY4)	27-850-15	x	6	TL	117
(AECY5)	27-1050-15	x	6	TL	139
CUSHION-FLAT TREAD TYPE					
(AEDA10)	1012-5-612	x		TL	62
(AEDA11)	1012-6-612	x		TL	70
(AEDA12)	1012-7-612	x		TL	78
(AEDA13)	12-312-8	x		TL	54
(AEDA14)	12-4-8	x		TL	57
(AEDA15)	12-412-8	x		TL	64
(AEDA16)	14-4-10	x		TL	66
(AEDA17)	15-3-1114	x		TL	55
(AEDA18)	15-312-1114	x		TL	59
(AEDA19)	15-5-1114	x		TL	68
(AEDA1)	812-4-4	x		TL	50
(AEDA20)	15-6-1114	x		TL	77
(AEDA21)	15-7-1114	x		TL	93
(AEDA22)	15-8-1114	x		TL	125
(AEDA23)	16-212-1334	x		TL	70
(AEDA24)	16-412-12	x		TL	73
(AEDA25)	16-312-1218	x		TL	61
(AEDA26)	16-4-1218	x		TL	66
(AEDA27)	17-5-1218	x		TL	88
(AEDA28)	17-6-1218	x		TL	102
(AEDA29)	17-7-1218	x		TL	116
(AEDA2)	9-5-5	x		TL	51
(AEDA30)	18-5-14	x		TL	85
(AEDA31)	20-4-16	x		TL	77
(AEDA32)	20-5-16	x		TL	83
(AEDA33)	20-6-16	x		TL	98
(AEDA34)	20-7-16	x		TL	115
(AEDA35)	20-8-16	x		TL	139
(AEDA36)	22-412-1734	x		TL	89
(AEDA37)	22-6-1734	x		TL	111
(AEDA38)	22-7-1734	x		TL	124
(AEDA39)	22-8-1734	x		TL	150

[1] TT = Tube-Type Tires, TL = Tubeless Tires

APPENDIX F
TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE (EP CODE)	DESCRIPTION	SIZE	PLY	TUBE[1]	COST($) PER EACH
(AEDA3)	9-212-6	x		TL	41
(AEDA40)	24-5-20	x		TL	113
(AEDA41)	24-7-20	x		TL	149
(AEDA42)	28-7-22	x		TL	257
(AEDA43)	28-7-2312	x		TL	180
(AEDA4)	10-312-6	x		TL	53
(AEDA5)	10-3-614	x		TL	50
(AEDA6)	10-6-614	x		TL	65
(AEDA7)	10-7-614	x		TL	76
(AEDA8)	10-4-612	x		TL	50
(AEDA9)	10-5-612	x		TL	54
TIRE GROUP = MED.HVY COMMERCIAL - OFF ROAD					
E-1 HARD ROCK RIB					
(AFBA3)	1400-25	14.00 x 25.00	20	TL	1,016
(AFBA1)	1600-25	16.00 x 25.00	24	TL	1,769
(AFBA4)	1600-25	16.00 x 25.00	32	TL	1,950
(AFBA2)	1800-25	18.00 x 25.00	28	TL	2,619
E-2 EARTHMOVER SURE GRIP					
(AFBB5)	1400-20	14.00 x 20.00	12	TT	659
(AFBB3)	1800-25	18.00 x 25.00	12	TL	1,939
(AFBB4)	1800-25	18.00 x 25.00	16	TL	2,035
E-2 SURE GRIP LUG					
(AFBC7)	205-25	20.50 x 25.00	16	TL	1,666
(AFBC8)	205-25	20.50 x 25.00	20	TL	1,748
(AFBC9)	206-25	20.60 x 25.00	20	TL	3,108
(AFBC1)	235-25	23.50 x 25.00	16	TL	2,524
(AFBC2)	235-25	23.50 x 25.00	20	TL	2,651
(AFBC3)	265-25	26.50 x 25.00	24	TL	3,788
(AFBC4)	265-25	26.50 x 25.00	26	TL	3,883
(AFBC10)	295-25	29.50 x 25.00	22	TL	4,454
(AFBC5)	295-29	29.50 x 29.00	28	TL	5,105
(AFBC6)	295-29	29.50 x 29.00	34	TL	5,495
(AFBC11)	295-35	29.50 x 35.00	28	TL	5,613
E-3 HARD ROCK LUG					
(AFBD22)	1200-20	12.00 x 20.00	16	TT	707
(AFBD23)	1200-20	12.00 x 20.00	20	TT	850
(AFBD14)	1200-24	12.00 x 24.00	16	TT	813
(AFBD1)	1400-20	14.00 x 20.00	24	TT	1,155
(AFBD2)	1400-24	14.00 x 24.00	20	TT	1,157
(AFBD3)	1400-24	14.00 x 24.00	24	TT	1,251
(AFBD15)	1400-24	14.00 x 24.00	28	TT	1,492
(AFBD4)	1400-25	14.00 x 25.00	20	TL	1,150
(AFBD16)	1600-21	16.00 x 21.00	20	TL	1,642
(AFBD5)	1600-25	16.00 x 25.00	20	TL	1,693
(AFBD6)	1600-25	16.00 x 25.00	24	TL	1,779
(AFBD17)	1600-25	16.00 x 25.00	28	TL	1,868
(AFBD8)	1800-25	18.00 x 25.00	28	TL	2,619
(AFBD18)	1800-25	18.00 x 25.00	32	TL	2,749

[1] TT = Tube-Type Tires, TL = Tubeless Tires

APPENDIX F

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE (EP CODE)	DESCRIPTION	SIZE			PLY	TUBE[1]	COST($) PER EACH
(AFBD9)	1800-33	18.00	x	33.00	28	TL	3,038
(AFBD19)	1800-33	18.00	x	33.00	32	TL	3,189
(AFBD10)	2100-25	21.00	x	25.00	32	TL	4,307
(AFBD12)	2100-35	21.00	x	35.00	32	TL	5,481
(AFBD20)	2100-35	21.00	x	35.00	36	TL	5,755
(AFBD21)	2400-35	24.00	x	35.00	30	TL	7,373
(AFBD13)	2400-35	24.00	x	35.00	36	TL	6,907
E-3 HARD ROCK LUG 3F							
(AFBE8)	2100-25	21.00	x	25.00	32	TL	4,307
(AFBE3)	3325-35	33.25	x	35.00	32	TL	8,308
(AFBE4)	3325-35	33.25	x	35.00	38	TL	8,947
(AFBE5)	3725-35	37.25	x	35.00	30	TL	9,857
(AFBE6)	3725-35	37.25	x	35.00	36	TL	10,614
(AFBE1)	375-33	37.50	x	33.00	36	TL	8,836
(AFBE2)	375-33	37.50	x	33.00	42	TL	11,101
(AFBE7)	375-39	37.50	x	39.00	44	TL	12,132
(AFBE9)	375-39	37.50	x	39.00	52	TL	13,345
E-3 HARD ROCK LUG 8							
(AFBF2)	2400-49	24.00	x	49.00	42	TL	8,914
(AFBF3)	2400-49	24.00	x	49.00	48	TL	9,600
E-3 SUPER HARD ROCK LUG							
(AFBG1)	205-25	20.50	x	25.00	12	TL	1,585
(AFBG2)	205-25	20.50	x	25.00	16	TL	1,666
(AFBG3)	205-25	20.50	x	25.00	20	TL	1,748
(AFBG4)	235-25	23.50	x	25.00	16	TL	2,524
(AFBG5)	235-25	23.50	x	25.00	20	TL	2,651
(AFBG19)	265-25	26.50	x	25.00	20	TL	4,147
(AFBG20)	265-25	26.50	x	25.00	26	TL	4,464
(AFBG8)	295-25	29.50	x	25.00	22	TL	5,118
(AFBG9)	295-25	29.50	x	25.00	28	TL	5,511
(AFBG11)	295-29	29.50	x	29.00	28	TL	5,870
(AFBG12)	295-29	29.50	x	29.00	34	TL	6,318
E-3 SUPER HARD ROCK LUG 8							
(AFBH8)	295-35	29.50	x	35.00	28	TL	6,455
(AFBH9)	295-35	29.50	x	35.00	34	TL	6,949
(AFBH2)	3325-29	33.25	x	29.00	26	TL	6,681
(AFBH10)	3325-35	33.25	x	35.00	32	TL	8,104
(AFBH7)	335-33	33.50	x	33.00	32	TL	7,878
(AFBH3)	335-33	33.50	x	33.00	44	TL	10,305
(AFBH4)	3725-35	37.25	x	35.00	30	TL	9,613
(AFBH5)	3725-35	37.25	x	35.00	36	TL	10,355
(AFBH6)	375-39	37.50	x	39.00	44	TL	11,837
(AFBH11)	375-39	37.50	x	39.00	52	TL	13,064
(AFBH12)	375-39	37.50	x	39.00	60	TL	12,362
(AFBH13)	375-51	37.50	x	51.00	44	TL	11,590
E-7 SAND RIB							
(AFBL4)	1600-20	16.00	x	20.00	12	TT	1,147
(AFBL5)	1600-20	16.00	x	20.00	16	TT	1,260
(AFBL3)	1800-25	18.00	x	25.00	12	TL	1,605
(AFBL1)	1800-25	18.00	x	25.00	16	TL	1,683
(AFBL2)	2100-25	21.00	x	25.00	16	TL	2,286
G-1 GRADER RIB							
(AFBN2)	1300-24	13.00	x	24.00	12	TL	596
(AFBN3)	1400-24	14.00	x	24.00	12	TL	746
(AFBN1)	1600-24	16.00	x	24.00	12	TL	1,155

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

APPENDIX F

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE (EP CODE)	DESCRIPTION	SIZE	PLY	TUBE[1]	COST($) PER EACH
G-3 ROCK GRADER					
(AFBO6)	1400-24	14.00 x 24.00	16	TL	799
(AFBO8)	1600-24	16.00 x 24.00	16	TL	1,426
L-2 SURE GRIP LUG XTRA TRED DOZER & LOADER					
(AFBQ6)	235-25	23.50 x 25.00	12	TL	2,094
(AFBQ7)	235-25	23.50 x 25.00	16	TL	2,199
(AFBQ8)	235-25	23.50 x 25.00	20	TL	2,307
(AFBQ9)	265-25	26.50 x 25.00	14	TL	3,878
(AFBQ10)	265-25	26.50 x 25.00	20	TL	4,176
L-3 SUPER HARD ROCK LUG D&L					
(AFBR3)	235-25	23.50 x 25.00	12	TL	2,408
(AFBR4)	235-25	23.50 x 25.00	16	TL	2,524
(AFBR8)	235-25	23.50 x 25.00	20	TL	2,651
(AFBR9)	235-25	23.50 x 25.00	24	TL	2,515
(AFBR10)	265-25	26.50 x 25.00	14	TL	4,460
(AFBR5)	265-25	26.50 x 25.00	20	TL	4,805
(AFBR12)	265-25	26.50 x 25.00	26	TL	5,172
(AFBR6)	295-25	29.50 x 25.00	16	TL	5,450
(AFBR7)	295-25	29.50 x 25.00	22	TL	5,867
(AFBR11)	295-25	29.50 x 25.00	28	TL	6,317
L-4 SUPER HARD ROCK LUG D&L XT / HRL DL 5A					
(AFBS3)	235-25	23.50 x 25.00	16	TL	2,903
(AFBS4)	235-25	23.50 x 25.00	20	TL	3,048
(AFBS5)	265-25	26.50 x 25.00	20	TL	5,522
(AFBS11)	265-25	26.50 x 25.00	26	TL	5,947
(AFBS6)	295-25	29.50 x 25.00	22	TL	6,747
(AFBS7)	295-25	29.50 x 25.00	28	TL	7,264
(AFBS8)	295-25	29.50 x 25.00	34	TL	7,825
(AFBS1)	295-29	29.50 x 29.00	22	TL	8,564
(AFBS9)	295-29	29.50 x 29.00	28	TL	7,611
(AFBS10)	3325-35	33.25 x 35.00	32	TL	13,341
L-4 NYLOSTEEL XTRA TRED D&L B/B					
(AFBT1)	3565-33	35.65 x 33.00	24	TL	9,130
(AFBT3)	3565-33	35.65 x 33.00	30	TL	13,046
L-5 SUPER XTRA TRED D&L					
(AFBU2)	265-25	26.50 x 25.00	20	TL	6,899
(AFBU3)	295-25	29.50 x 25.00	22	TL	8,173
(AFBU4)	295-29	29.50 x 29.00	22	TL	8,564
(AFBU5)	295-29	29.50 x 29.00	28	TL	9,224
(AFBU6)	3325-35	33.25 x 35.00	32	TL	13,341
(AFBU1)	3725-35	37.25 x 35.00	42	TL	17,435
(AFBU7)	375-39	37.50 x 39.00	36	TL	15,070
(AFBU8)	375-39	37.50 x 39.00	44	TL	19,302
L-5 NYLOSTEEL SUPER XTRA TRED D&L B/B					
(AFBV5)	30/65-29	30.65 x 29.00	24	TL	8,776
(AFBV6)	35/65-33	35.65 x 33.00	24	TL	10,955
(AFBV2)	35/65-33	35.65 x 33.00	30	TL	13,046
(AFBV4)	40/65-39	40.65 x 39.00	30	TL	16,619
(AFBV7)	40/65-39	40.65 x 39.00	36	TL	17,897
(AFBV8)	4125/70-39	41.25 x 39.00	34	TL	18,356
(AFBV1)	45/65-45	45.65 x 45.00	38	TL	22,313
(AFBV9)	45/65-45	45.65 x 45.00	38	TL	22,313
(AFBV10)	45/65-45	45.65 x 45.00	46	TL	28,166
(AFBV3)	50/65-51	50.65 x 51.00	54	TL	31,021

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

APPENDIX F

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE (EP CODE)	DESCRIPTION	SIZE			PLY	TUBE[1]	COST($) PER EACH
(AFBV11)	50/65-51	50.65	x	51.00	62	TL	38,789
HIGHLANDER							
(AFCD1)	570-8	5.70	x	8.00	6	TL	49
HIGHLANDER CT							
(AFCN6)	480-12	4.80	x	12.00	4	TL	33
(AFCN7)	480-12	4.80	x	12.00	6	TL	40
(AFCN8)	530-12	5.30	x	12.00	4	TL	36
(AFCN9)	530-12	5.30	x	12.00	6	TL	44
(AFCN3)	570-8	5.70	x	8.00	4	TL	35
(AFCN4)	570-8	5.70	x	8.00	6	TL	40
(AFCN1)	570-8	5.70	x	8.00	8	TT	52
(AFCN5)	690-9	6.90	x	9.00	6	TL	50
(AFCN2)	690-9	6.90	x	9.00	10	TT	81
E-4 HARD ROCK LUG 4B							
(AFCO1)	1600-25	16.00	x	25.00	24	TL	2,044
(AFCO2)	1600-25	16.00	x	25.00	28	TL	2,147
(AFCO3)	1800-25	18.00	x	25.00	28	TL	3,010
(AFCO4)	1800-25	18.00	x	25.00	32	TL	3,160
(AFCO5)	1800-33	18.00	x	33.00	28	TL	3,490
(AFCO6)	1800-33	18.00	x	33.00	32	TL	3,667
(AFCO7)	1800-49	18.00	x	49.00	32	TL	4,851
(AFCO8)	2100-35	21.00	x	35.00	36	TL	6,619
(AFCO13)	2100-49	21.00	x	49.00	36	TL	6,962
(AFCO9)	2400-35	24.00	x	35.00	30	TL	7,373
(AFCO10)	2400-35	24.00	x	35.00	36	TL	7,942
(AFCO11)	2400-35	24.00	x	35.00	42	TL	8,553
(AFCO12)	2400-43	24.00	x	43.00	48	TL	8,530
(AFCO14)	2400-49	24.00	x	49.00	42	TL	10,251
(AFCO15)	2400-49	24.00	x	49.00	48	TL	11,039
(AFCO16)	2700-49	27.00	x	49.00	42	TL	12,122
(AFCO17)	2700-49	27.00	x	49.00	48	TL	13,054
(AFCO18)	3000-51	30.00	x	51.00	46	TL	14,878
(AFCO19)	3300-51	33.00	x	51.00	58	TL	20,876
(AFCO20)	3600-51	36.00	x	51.00	50	TL	23,084
(AFCO21)	3600-51	36.00	x	51.00	58	TL	25,481
(AFCO22)	4000-57	40.00	x	57.00	68	TL	22,382
L-2 SURE GRIP LOADER							
(AFCP1)	155-25	15.50	x	25.00	8	TL	612
(AFCP2)	155-25	15.50	x	25.00	12	TL	673
(AFCP3)	175-25	17.50	x	25.00	12	TL	830
(AFCP6)	175-25	17.50	x	25.00	16	TL	912
(AFCP7)	175-25	17.50	x	25.00	20	TL	1,005
(AFCP4)	205-25	20.50	x	25.00	12	TL	1,382
(AFCP5)	205-25	20.50	x	25.00	16	TL	1,449
(AFCP8)	22-25	22.00	x	25.00	12	TL	1,519
L-3 SUPER HARD ROCK LOADER							
(AFCQ3)	155-25	15.50	x	25.00	12	TL	697
(AFCQ4)	175-25	17.50	x	25.00	12	TL	875
(AFCQ5)	175-25	17.50	x	25.00	16	TL	962
(AFCQ7)	175-25	17.50	x	25.00	20	TL	1,193
(AFCQ1)	205-25	20.50	x	25.00	12	TL	1,585
(AFCQ2)	205-25	20.50	x	25.00	16	TL	1,666
(AFCQ6)	205-25	20.50	x	25.00	20	TL	1,748
L-3 SUPER HARD ROCK LUG 8 DOZER & LOADER							
(AFCR1)	335-33	33.50	x	33.00	44	TL	10,305

[1] TT = Tube-Type Tires, TL = Tubeless Tires

APPENDIX F

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE (EP CODE)	DESCRIPTION	SIZE	PLY	TUBE[1]	COST($) PER EACH
L-3 HARD ROCK LUG 3F DOZER/LOADER					
(AFCS1)	3325-35	33.25 x 35.00	50	TL	10,338
L-5S SUPER SMOOTH XTRA TRED DOZER & LOADER					
(AFCT1)	2100-25	21.00 x 25.00	32	TL	7,656
(AFCT2)	265-25	26.50 x 25.00	26	TL	7,878
(AFCT3)	295-25	29.50 x 25.00	28	TL	9,625
L-5 HARD ROCK LUG 5C					
(AFCU3)	235-25	23.50 x 25.00	20	TL	3,658
(AFCU4)	265-25	26.50 x 25.00	20	TL	6,625
(AFCU5)	295-25	29.50 x 25.00	22	TL	7,846
(AFCU1)	295-29	29.50 x 29.00	22	TL	8,222
(AFCU2)	295-29	29.50 x 29.00	28	TL	8,947
G-2 GRADER SURE GRIP					
(AFCV1)	825-20	8.25 x 20.00	6	TT	221
(AFCV7)	1200-24	12.00 x 24.00	8	TL	303
(AFCV2)	1300-20	13.00 x 20.00	10	TT	476
(AFCV8)	1300-24	13.00 x 24.00	8	TL	447
(AFCV17)	1300-24 SMOOTH	13.00 x 24.00	10	TL	473
(AFCV3)	1300-24	13.00 x 24.00	10	TT	513
(AFCV9)	1300-24	13.00 x 24.00	10	TL	493
(AFCV10)	1300-24	13.00 x 24.00	12	TL	542
(AFCV16)	1300-24	13.00 x 24.00	12	TL	596
(AFCV4)	1300-24	13.00 x 24.00	12	TT	563
(AFCV11)	1400-24	14.00 x 24.00	10	TL	569
(AFCV5)	1400-24	14.00 x 24.00	10	TT	583
(AFCV12)	1400-24	14.00 x 24.00	12	TL	623
(AFCV6)	1400-24	14.00 x 24.00	12	TT	635
(AFCV13)	1400-24	14.00 x 24.00	16	TL	753
(AFCV14)	1600-24	16.00 x 24.00	12	TL	1,245
(AFCV15)	1600-24	16.00 x 24.00	16	TL	1,307
CONVEYOR BELTS					
BELTS FOR CONVEYORS					
(AGAZ1)	Belt	24.00 x 50.00	2		858
(AGAZ2)	Belt	24.00 x 60.00	2		1,029
(AGAZ3)	Belt	24.00 x 70.00	2		1,200
(AGAZ4)	Belt	24.00 x 80.00	2		1,372
(AGAZ5)	Belt	24.00 x 90.00	2		1,544
(AGAZ6)	Belt	24.00 x 100.00	2		1,715
(AGAZ7)	Belt	24.00 x 110.00	2		1,887
(AGAZ8)	Belt	24.00 x 120.00	2		2,058
(AGAZ9)	Belt	24.00 x 130.00	2		2,229
(AGAZ10)	Belt	24.00 x 140.00	2		2,401
(AGAZ11)	Belt	24.00 x 150.00	2		2,573
(AGAZ12)	Belt	30.00 x 50.00	2		1,072
(AGAZ13)	Belt	30.00 x 60.00	2		1,286
(AGAZ14)	Belt	30.00 x 70.00	2		1,501
(AGAZ15)	Belt	30.00 x 80.00	2		1,715
(AGAZ16)	Belt	30.00 x 90.00	2		1,930
(AGAZ17)	Belt	30.00 x 100.00	2		2,144

[1] TT = Tube-Type Tires, TL = Tubeless Tires

APPENDIX F

TIRE DESCRIPTION AND TIRE COST (Continued)

TIRE TYPE (EP CODE)	DESCRIPTION	SIZE	PLY	TUBE[1]	COST($) PER EACH
(AGAZ18)	Belt	30.00 x 110.00	2		2,359
(AGAZ19)	Belt	30.00 x 120.00	2		2,573
(AGAZ20)	Belt	30.00 x 130.00	2		2,787
(AGAZ21)	Belt	30.00 x 140.00	2		3,002
(AGAZ22)	Belt	30.00 x 150.00	2		3,216
(AGAZ23)	Belt	36.00 x 50.00	2		1,517
(AGAZ24)	Belt	36.00 x 60.00	2		1,820
(AGAZ25)	Belt	36.00 x 70.00	2		2,123
(AGAZ26)	Belt	36.00 x 80.00	2		2,426
(AGAZ27)	Belt	36.00 x 90.00	2		2,730
(AGAZ28)	Belt	36.00 x 100.00	2		3,033
(AGAZ29)	Belt	36.00 x 110.00	2		3,336
(AGAZ30)	Belt	36.00 x 120.00	2		3,640
(AGAZ31)	Belt	36.00 x 130.00	2		3,943
(AGAZ32)	Belt	36.00 x 140.00	2		4,246
(AGAZ33)	Belt	36.00 x 150.00	2		4,550
(AGAZ34)	Belt	42.00 x 50.00	2		1,770
(AGAZ35)	Belt	42.00 x 60.00	2		2,124
(AGAZ36)	Belt	42.00 x 70.00	2		2,478
(AGAZ37)	Belt	42.00 x 80.00	2		2,832
(AGAZ38)	Belt	42.00 x 90.00	2		3,186
(AGAZ39)	Belt	42.00 x 100.00	2		3,540
(AGAZ40)	Belt	42.00 x 110.00	2		3,894
(AGAZ41)	Belt	42.00 x 120.00	2		4,248
(AGAZ42)	Belt	42.00 x 130.00	2		4,602
(AGAZ43)	Belt	42.00 x 140.00	2		4,956
(AGAZ44)	Belt	42.00 x 150.00	2		5,310
(AGAZ45)	Belt	48.00 x 50.00	3		2,409
(AGAZ46)	Belt	48.00 x 60.00	3		2,891
(AGAZ47)	Belt	48.00 x 70.00	3		3,373
(AGAZ48)	Belt	48.00 x 80.00	3		3,855
(AGAZ49)	Belt	48.00 x 90.00	3		4,337
(AGAZ50)	Belt	48.00 x 100.00	3		4,818
(AGAZ51)	Belt	48.00 x 110.00	3		5,300
(AGAZ52)	Belt	48.00 x 120.00	3		5,782
(AGAZ53)	Belt	48.00 x 130.00	3		6,264
(AGAZ54)	Belt	48.00 x 140.00	3		6,746
(AGAZ55)	Belt	48.00 x 150.00	3		7,228
(AGAZ56)	Belt	60.00 x 50.00	4		5,153
(AGAZ57)	Belt	60.00 x 60.00	4		6,184
(AGAZ58)	Belt	60.00 x 70.00	4		7,215
(AGAZ59)	Belt	60.00 x 80.00	4		8,245
(AGAZ60)	Belt	60.00 x 90.00	4		9,276
(AGAZ61)	Belt	60.00 x 100.00	4		10,307
(AGAZ62)	Belt	60.00 x 110.00	4		11,337
(AGAZ63)	Belt	60.00 x 120.00	4		12,368
(AGAZ64)	Belt	60.00 x 130.00	4		13,399
(AGAZ65)	Belt	60.00 x 140.00	4		14,430
(AGAZ66)	Belt	60.00 x 150.00	4		15,460
TIRE GROUP = PERMAFOAM					
TRUCK OFF HIGHWAY SERVICE					
(AHDB1)	15-225	15.00 x 22.50		FOAM	1,376
(AHDB2)	165-225	16.50 x 22.50		FOAM	1,538
(AHDB3)	18-225	18.00 x 22.50		FOAM	1,840

[1] TT = Tube-Type Tires, TL = Tubeless Tires

APPENDIX G
TIRE LIFE AND TIRE WEAR FACTORS

SECTION I. TIRE WEAR FACTORS

The tire wear factors used in this pamphlet are listed in APPENDIX D. The "useful life" of a new tire is the product of Condition Factors (CF) from Group A through Group E multiplied by the Wheel Position Factor (WHP), and for drive tires only, the Grade Factor (GF). These factors provide a percentage reduction to the maximum tire life. Section II, Maximum Tire Life, states tire life in hours. (See paragraph 2-23.a)

Drive Tires: Useful Tire Life = (CF x WPF x GF)
All Other Tires: Useful Tire Life = (CF x WPF)

EXAMPLE *

	Condition Factors: (CF)	Average	Severe
A	Maintenance	1.00	1.00
B	Speeds	0.80	0.85
C	Curves	1.00	0.90
D	Surface Condition	0.90	0.70
E	Loads	0.90	0.80
CF	**Product of the factors (A x B x C x D x E)**	0.65	0.43

	Wheel Position Factors (WPF) – Wagon, Rear Dump		
WPF-FT	Front Tire (FT)	0.90	0.90
WPF-DTR	Drive Tire (DT) – Rear Dump	0.70	0.70
WPF-TT	Trailing Tire (TT)	1.00	1.00

GF	Grade Factor: (Drive Tires Only)	0.85	0.75

FINAL TIRE WEAR FACTORS:

Wagon, Rear Dump (APPENDIX D, Category W15)

Front Tire – Average = (CF = .65)(WPF-FT = .90)	0.59	
Front Tire – Severe = (CF = .43)(WPF-FT = .90)		0.39
Drive Tire – Average = (CF = .65)(WPF-DTR = .70)(GF = .85)	0.39	
Drive Tire – Severe = (CF = .43)(WPF-DTR = .70)(GF = .75)		0.22
Trailing Tire – Average = (CF = .65) (WPF-TT = 1.00)	0.65	
Trailing Tire – Severe = (CF = .43) (WPF-TT = 1.00)		0.43

* Condition Factors, Wheel Position Factors, and Grade Factor from GMC Terex Guide (see parapgrah 2-23.a.) Factors are specifically for a rear dump wagon.

APPENDIX G
TIRE LIFE AND TIRE WEAR FACTORS

SECTION II. MAXIMUM TIRE LIFE

Maximum tire life is used in the formula to determine tire wear cost. See paragraph 2-23.a.

MAXIMUM TIRE LIFE	Hours
Bias Ply Tires – Off highway E4, L4, and L5	7,000
Bias Ply Tires – All other bias tires	5,000
Radial Ply Tires – Off highway RL4	8,300
Radial Ply Tires – All other radial tires	6,000
Conveyor Belts	5,000

APPENDIX H
MANUFACTURER CODES

CODE	MANUFACTURER	CODE	MANUFACTURER
AB	ALLMAND BROS.	CU	CUSCO INDUSTRIES
AC	ACE ENTERPRISES	DA	DARDA
AD	ACKER DRILL	DD	DELTA DREDGE
AE	AEROIL PRODUCTS	DE	DEMOLITION TECHNOLOGIES
AI	AMIDA	DF	DURA FLOAT
AK	AKERMAN	DJ	DJB/CATERPILLAR
AL	ALLENTOWN	DO	DOSCO
AM	AMERICAN CRANE	DR	DRESSER INDUSTRIES
AN	ATLANTIC	DS	DREDGING SUPPLY
AO	ALKOTA	DW	DITCH WITCH
AP	AMERICAN PECCO	DY	DYNAPAC
AQ	AQUATICS UNLIMITED	EI	EIMCO (EJC)
AR	AMERICAN ROAD MACHINERY	EL	ELLICOTT MACHINE
AS	ATLAS COPCO	ES	ESCO
AT	ANDERSON TUNNELING	ET	ETNYRE, E.D.
AV	ALIVA	EU	EUCLID/VME
AY	AVERY FILTER COMPANY	EX	EXCEL
BA	BADGER	EZ	E-Z DRILL
BB	BASCO	FE	FELKER/DRESSER
BC	BOCK	FI	FIATALLIS
BD	BRODERSON	FL	FLETCHER MINING
BE	BEEBE	FN	FORD/NEW HOLLAND
BG	BARBER-GREENE	FO	FORD
BI	BOR-IT	FR	FERGUSON
BK	BLAW-KNOX	FU	FURUKAWA
BL	BLASTRAC	GA	GRADALL
BO	BOMAG	GB	GAR-BRO
BR	BROOKVILLE MINING	GD	GARDNER DENVER
BS	BALDERSON	GE	GENSCO
BU	BUSH HOG	GF	GRIFFIN DEWATERING
CA	CATERPILLAR	GI	GALION/DRESSER
CB	CONSOLIDATED BAILING MACHINE	GL	GARLOCK
CC	CEMEN TECH	GM	GMC AND CHEVROLET
CD	CDS GROUP	GO	GOMACO
CE	CATERPILLAR-ATHEY	GR	GORMAN-RUPP
CF	CGR COMPACTING	GV	GROVE
CG	CHEMGROUT	HA	HAZCO
CH	CHAMPION	HD	HYDRAULIC POWER SYSTEMS
CI	CHIPMORE	HE	HENDRIX
CJ	COLD JET	HH	H&H PUMP & DREDGE
CL	CON-E-CO	HI	HITACHI
CM	CLEMCO	HM	H&M VIBRO, INC
CN	CT ENVIROMENTAL SYSTEMS	HO	HOMELITE
CO	COMPACTING TECHNOLOGIES	HR	HYDROCAL
CP	CRISAFULLI PUMP	HW	HEWITT-ROBINS
CR	CAMLEVER	HY	HYSTER
CS	CASE	IC	INTERNATIONAL CONST. EQUIP. (I.C.E)
CT	CLEVELAND TRENCHER	ID	INTERNATIONAL/DRESSER

APPENDIX H
MANUFACTURER CODES

CODE	MANUFACTURER	CODE	MANUFACTURER
IE	IDEAL MFG.	PH	P & H/HARNISCHFEGER
IG	INGRAM	PI	PIQUA ENGINEERING
IM	IMS (INNOVATIVE MATERIAL SYSTEMS)	PM	PULLMASTER
IN	INGERSOLL-RAND	PO	PROGRESSIVE DEVELOPMENT INC.
IS	INSLEY	PR	PERRIN
IT	INTERNATIONAL/NAVISTAR	PW	POWERSCREEN
JD	JOHN DEERE	RA	READ SCREEN-ALL
KA	KAWASAKI	RC	ROSS COMPANY
KB	KOLBERG	RE	REACH ALL
KE	KENWORTH	RM	ROME
KH	KOHLER	RN	RANGER / VME
KI	KLEIN	RO	ROBBINS
KK	KEENE ENGINEERING CO.	RS	ROSCO
KL	KOLMAN	SA	SAUERMAN
KM	KOMATSU	SC	SCHWING AMERICA
KN	KENT	SE	SEALMASTER
KO	KOEHRING	SH	SHREAD-TECH LIMITED
KR	KORI CORPORATION	SK	SKAGIT
LA	LAYTON	SM	SEAARK MARINE
LB	LINK BELT	SN	STEPHENS MFG.
LE	LELY	SO	SOUTHWEST
LH	LIEBHERR	SP	SPRAGUE AND HENWOOD
LI	LINK BELT (FMC)	ST	STOW
LO	LORAIN	SU	SULLIVAN
LU	LABOUNTY	TA	TAMPO
LY	LONGYEAR	TD	TADANO
MA	MANITOWOC	TE	TEREX
MB	M-B	TL	TELEDYNE
MC	MICHIGAN / VME	TO	TORO
MD	MDI/YUTANI	TR	TROJAN/O & K
ME	MELROE / BOBCAT	TS	TELSMITH
MF	MASSEY FERGUSON	UN	UNIT RIG
MI	MITSUBISHI	VA	VOEST-ALPINE
MK	MKT GEOTECHNICAL	VE	VERMEER
ML	MARLOW	VI	VINCE HAGAN COMPANY
MN	MAC CORPORATION	VO	VOLVO/VME
MO	MORGEN	VU	VULCAN
MR	MOBILE DRILL	WA	WABCO/DRESSER
MS	MASTER	WC	WACKER
MT	MACK TRUCKS	WE	WEATHERFORD/AMERICAN AERO
MU	MULTIQUIP	WG	WAGNER MINING
MX	MAXON INDUSTRIES	WL	WALKER MFG.
MZ	MARINE INLAND FABRICATERS	WR	WARNER FRUEHAUF
NL	NLB CORP	XX	NO SPECIFIC MANUFACTURER
NO	NORTHWEST		
NP	NPK CONSTRUCTION EQUIPMENT		
ON	ONAN		
PE	PETERBILT		

APPENDIX I

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)
JULY - DECEMBER 1991	8 1/2 %	(8.500)
JANUARY - JUNE 1992	6 7/8 %	(6.875)
JULY - DECEMBER 1992	7 %	(7.000)
JANUARY - JUNE 1993	6 1/2 %	(6.500)

This page left blank intentionally

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.

C85.10 CRANES, DRAGLINE & CLAMSHELL
CRAWLER MOUNTED

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

C85.20 CRANES, LIFTING,
CRAWLER MOUNTED

- Power load lowering
- Independent swing and travel
- Third drum
- Troque converter (machines 25 tons or larger)
- One–half maximum boom length
  (machines larger than 60 tons)
- Maximum boom length
  (machines larger than 60 tons)
- Counterweight

APPENDIX J (Continued)

EQUIPMENT ACCESSORIES

H25	EXCAVATORS, HYDRAULIC CRAWLER MOUNTED
	– Backhoe bucket (standard)
	– Backhoe stick (medium length)
	– Backhoe boom (one piece)
	– Backhoe bucket linkage (includes cylinder)
	– Guards
	– Counterweight
	– Alternator (heavy–duty) and lights
	– Tool kit
H35	HYDRAULIC SHOVELS – CRAWLER MOUNTED
	– Power load lowering
	– Torque converter (machines 1–1/2 CY or larger)
	– Counterweight
L30	LOADERS, BELT
	– Power unit
	– Head pully clutch and backstop
	– Belt cleaner and belt installing equipment
	– King pin attachment
L35	LOADERS, 1–1/2 CY AND LARGER
L40	– Reversible fan blade
	– Guard, power train
	– Automatic bucket positioner
	– Counterweight
	– Rock buckets (machines 4 CY or larger)
	– Alternator (heavy–duty) and lights
	– Tool kit

APPENDIX J (Continued)

EQUIPMENT ACCESSORIES

C90.01	TRUCK CRANES – LESS THAN 25 TONS
	– Power load loading
	– Third drum
	– Mechanical outriggers with screw jacks
	– Maximum boom length
	– Counterweight
C90.02	TRUCK CRANE – 25 TONS & LARGER
C90.03	– Power load loading
C90.04	– Third drum
	– Hydraulic outriggers with screw jacks
	– Torque converter when available (upper only)
	– Diesel engines
	– Maximum boom length
	– Counterweight
G15	GRADER
	– Enclosed operator cab
	– Scarifier
	– Front wheel lean
	– Power circle
	– Hydraulic shift and tilt moldboard
	– End bits
	– Alternator (heavy–duty) and lights
	– Tool kit

APPENDIX J (Continued)

EQUIPMENT ACCESSORIES

S10	SCRAPERS
S15	– Control single lever
S20	– Reversible fan blade
	– Flood light
	– Alternator (heavy–duty) and lights
	– Guards, power train
	– Tool kit
T15	TRACTOR, CRAWLER (DOZER)
	– Hydraulic controls for ripper and blade
	– Guards
	– Reversible fan blade
	– Alternator (heavy–duty) and lights
	– Hook, front pull
	– Track grousers (severe service for units over 200 hp)
	– Blades include counterweights where required
	– Tool kit
T20	TRACTOR, WHEEL (DOZER)
	– Hydraulic controls for ripper and blade
	– Guards
	– Reversible fan blade
	– Alternator (heavy–duty) and lights
	– Blades
	– Counterweight
	– Tool kit

APPENDIX J (Continued)

EQUIPMENT ACCESSORIES

T55	TRUCKS, OFF-HIGHWAY
	– No spin differential
	– Tacograph
	– Engine and transmission guards
	– Body liners
	– Tool kit

This page left blank intentionally

INDEX

FOR TABLE 2-1 HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

		Page
A10	AGGREGATE/CHIP SPREADERS	2 - 18
A15	AIR COMPRESSORS, PORTABLE	2 - 18
A20	AIR HOSE, TOOLS & EQUIPMENT	2 - 19
A25	ASPHALT DISTRIBUTORS	2 - 21
A30	ASPHALT FINISHERS/PAVERS	2 - 22
A35	ASPHALT KETTLES	2 - 23
A40	ASPHALT & CONCRRETE MILLERS/PROFILERS	2 - 24
A45	ASPHALT RECYCLERS & SEALERS	2 - 24
B00	BACKHOE (SEE HYDRAULIC EXCAVATOR)	2 - 25
B10	BATCH PLANTS, ASPHALT & CONCRETE	2 - 25
B15	BROOMS, STREET SWEEPERS & FLUSHERS	2 - 37
B20	BRUSH CHIPPERS	2 - 38
B25	BUCKETS, CLAMSHELL	2 - 39
B30	BUCKETS, CONCRETE	2 - 41
B35	BUCKETS, DRAGLINE	2 - 42
C05	CHAIN SAWS	2 - 44
C10	COMPACTORS, MANUALLY OPERATED	2 - 44
C15	CONCRETE BLASTERS	2 - 45
C20	CONCRETE BUGGIES	2 - 46
C25	CONCRETE FINISHERS	2 - 46
C35	CONCRETE GUNITERS/SHOTCRETERS	2 - 47
C40	CONCRETE/WASTE MIXERS	2 - 48
C45	CONCRETE PAVING MACHINES	2 - 49
C55	CONCRETE PUMPS	2 - 49
C60	CONCRETE SAWS	2 - 50
C65	CONCRETE VIBRATORS	2 - 51
C75	CRANES, HYDRAULIC, SELF-PROPELLED	2 - 52
C80	CRANES, HYDRAULIC, TRUCK MOUNTED	2 - 54
C85	CRANES, MECHANICAL, CRAWLER MOUNTED	2 - 55
C90	CRANES, MECHANICAL, TRUCK MOUNTED	2 - 61
C95	CRANES, TOWER	2 - 63
D10	DRILLS, AIR TRACK, CRAWLER MOUNTED	2 - 66

INDEX

FOR TABLE 2-1 HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

		Page
D15	DRILLS, BORING MACHINES	2 - 66
D20	DRILLS, CORE, COLUMN MOUNTED	2 - 67
D25	DRILLS, CORE, SKID MOUNTED	2 - 67
D30	DRILLS, EARTH/AUGER	2 - 68
D35	DRILLS, ROTARY BLAST HOLE	2 - 69
F10	FORK LIFTS	2 - 70
G10	GENERATOR SETS	2 - 71
G15	GRADERS, MOTOR	2 - 73
H10	HAMMERS, HYDRAULIC	2 - 75
H13	HAZARDOUS/TOXIC WASTE EQUIPMENT	2 - 76
H20	HOIST	2 - 84
H25	HYDRAULIC EXCAVATORS, CRAWLER MOUNTED	2 - 85
H30	HYDRAULIC EXCAVATORS, WHEEL MOUNTED	2 - 93
H35	HYDRAULIC SHOVELS, CRAWLER MOUNTED	2 - 95
L10	LAND CLEARING EQUIPMENT	2 - 95
L15	LAWN MOWERS	2 - 97
L20	LIGHTING SETS, TRAILER MOUNTED	2 - 97
L25	LINE STRIPING EQUIPMENT	2 - 98
L30	LOADERS, BELT	2 - 98
L35	LOADERS, FRONT END, CRAWLER TYPE	2 - 100
L40	LOADERS, FRONT END, WHEEL TYPE	2 - 102
L45	LOADERS WITH BACKHOE, CRAWLER TYPE	2 - 107
L50	LOADERS WITH BACKHOE, WHEEL TYPE	2 - 107
L55	LOADER/BACKHOE, ATTACHMENTS	2 - 108
L60	LOG SKIDDERS	2 - 108
M10	MARINE EQUIPMENT	2 - 109
P10	PILE EXTRACTORS & LEADS	2 - 118
P20	PILE HAMMERS, DOUBLE ACTING	2 - 118
P25	PILE HAMMERS, SINGLE ACTING	2 - 119
P30	PILE HAMMERS, VIBRATORY	2 - 120
P35	PIPELAYERS	2 - 120
P40	PLATFORMS, AERIAL WORK	2 - 121

INDEX

FOR TABLE 2-1 HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

		Page
P45	PUMPS, GROUT	2 - 121
P50	PUMPS, WATER, CENTRIFUGAL, TRASH	2 - 122
P55	PUMPS, WATER, SUBMERSIBLE	2 - 122
P60	PUMPS, WATER, CENTRIFUGAL, DEWATERING	2 - 123
P65	PUMPS, WATER, DIAPHRAGM	2 - 124
P70	PUMPS, WATER (FOR CORE DRILLS)	2 - 125
R10	RIPPERS & HYDRAULIC BANK SLOPERS	2 - 125
R15	ROLLERS, TOWED - PNEUMATIC	2 - 126
R20	ROLLERS, TOWED - STEEL DRUM	2 - 126
R30	ROLLERS, STATIC, SELF-PROPELLED	2 - 126
R40	ROLLERS, VIBRATORY, TOWED	2 - 129
R45	ROLLERS, VIBRATORY, DOUBLE DRUM,	2 - 129
R50	ROLLERS, VIBRATORY, SINGLE DRUM	2 - 130
R55	ROOFING EQUIPMENT	2 - 132
S10	SCRAPERS, ELEVATING	2 - 133
S15	SCRAPERS, CONVENTIONAL	2 - 134
S20	SCRAPERS, TANDEM POWERED	2 - 134
S25	SCRAPERS, TRACTOR DRAWN	2 - 135
S30	SCREENING & CRUSHING PLANTS	2 - 135
S35	SNOW. REMOVAL EQUIPMENT	2 - 142
S40	SOIL STABILIZERS	2 - 142
S45	SPLITTERS, ROCK & CONCRETE	2 - 142
T10	TRACTOR BLADES & ATTACHMENTS	2 - 143
T15	TRACTORS, CRAWLER (DOZER)	2 - 145
T20	TRACTORS, WHEEL TYPE (DOZER)	2 - 148
T25	TRACTORS, WHEEL TYPE (FARM)	2 - 148
T30	TRENCHERS, CHAIN	2 - 148
T35	TRENCHERS, WHEEL TYPE	2 - 149
T40	TRUCK OPTIONS (ADD TRUCK)	2 - 149
T45	TRUCK TRAILERS	2 - 152
T50	TRUCKS, HIGHWAY	2 - 154
T55	TRUCKS, OFF-HIGHWAY	2 - 157

INDEX

FOR TABLE 2-1 HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

		Page
T57	TRUCKS, VACUUM	2 - 159
T60	TRUCKS, WATER, OFF-HIGHWAY	2 - 159
T65	TUNNEL/MINING EQUIPMENT	2 - 160
W10	WAGONS, BOTTOM DUMP	2 - 168
W15	WAGONS, REAR DUMP	2 - 168
W25	WATER & CO2 BLASTERS	2 - 168
W30	WATER TANKS	2 - 171
W35	WELDERS	2 - 171

ISBN 0-16-041913-1
90000
9 780160 419133