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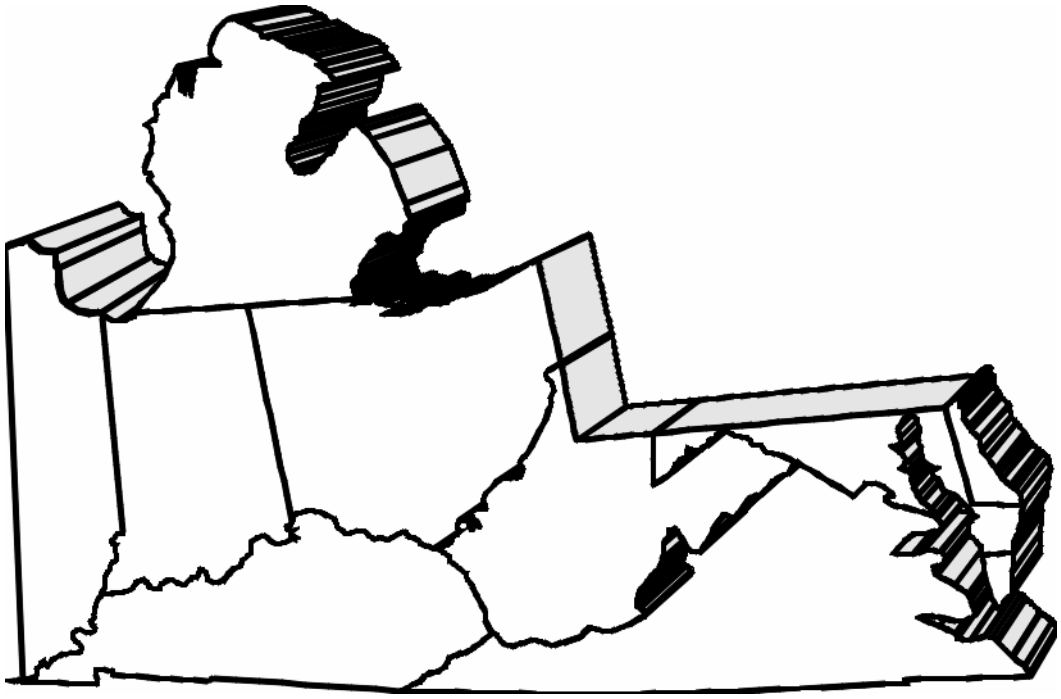
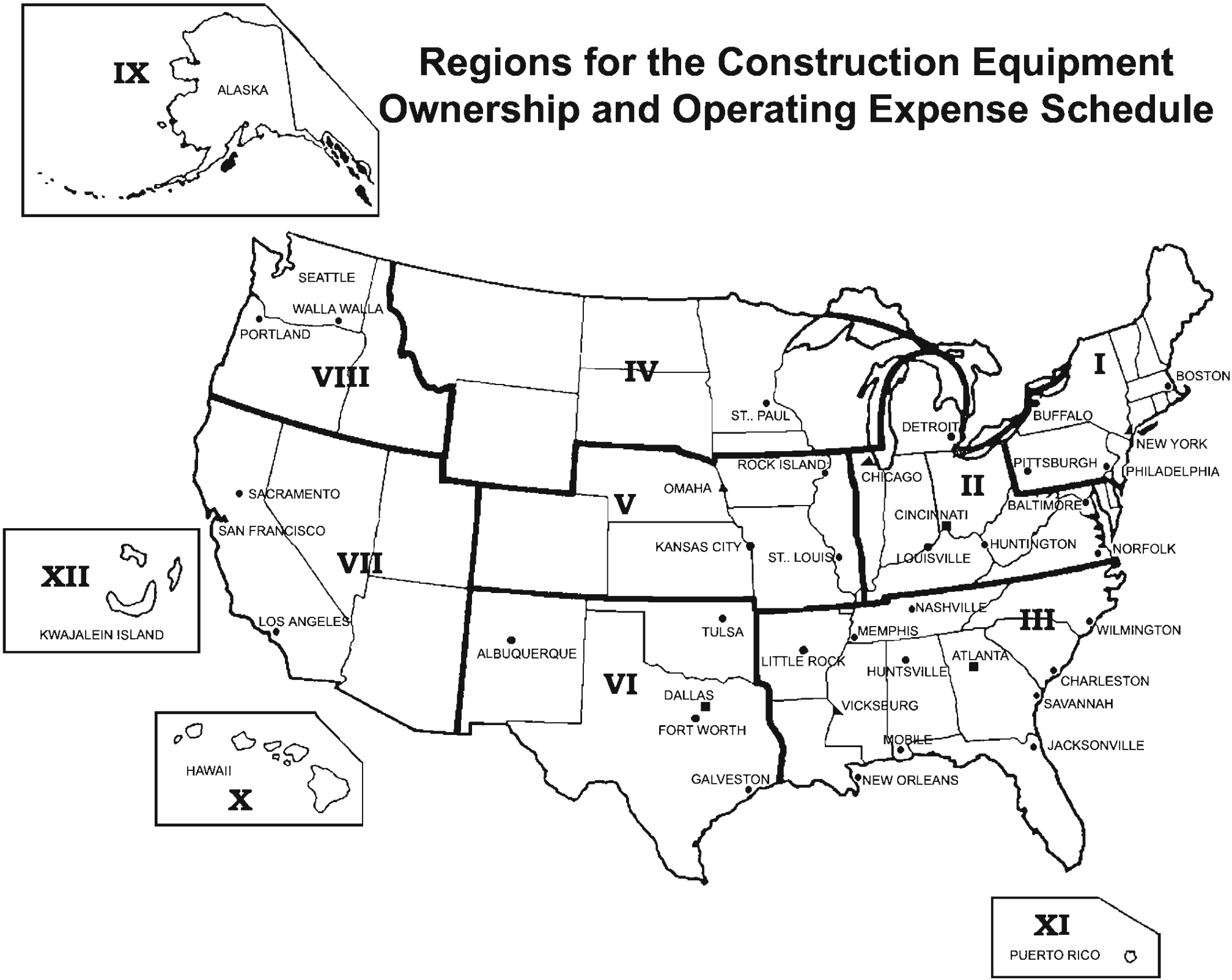
Construction Equipment Ownership and Operating Expense Schedule

Region II



Regions for the Construction Equipment Ownership and Operating Expense Schedule



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31 July 2005

CONSTRUCTION EQUIPMENT OWNERSHIP AND OPERATING EXPENSE SCHEDULE

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 equipment. This pamphlet also establishes a method to calculate equipment ownership and operating expense rates for construction equipment when the predetermined rates are not considered appropriate. The overall intent of this pamphlet is to determine equipment costs that are fair and reasonable. Expense factors for calculating dredge plant and marine equipment costs are provided in chapter 4.

2. Applicability. This pamphlet applies to all USACE commands. It is applicable to all solicitations and contracts for construction expected to exceed the Simplified Acquisition Threshold of $100,000 when actual cost data for both ownership and operating costs cannot be determined. This volume is for use in Region II, which includes the following states:

Delaware	Ohio
District of Columbia	Virginia
Illinois	West Virginia
Kentucky	
Indiana	
Maryland	
Minnesota	

3. References. See **APPENDIX A.**

4. Distribution Statement. Approved for public release, distribution is unlimited.

FOR THE COMMANDER:

11 Appendixes
(See Table of Contents)

JOHN R. MCMAHON
Colonel, Corps of Engineers
Chief of Staff

This pamphlet supercedes EP 1110-1-8, dated 31 July 2003.

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CHAPTER 1 INTRODUCTION

1.1 Use

The use of this pamphlet is for rate determination on construction contracts, dredging contracts, and negotiated procurements and relates only to contractor-owned equipment. The overall intent of the pamphlet is to determine equipment costs that are fair and reasonable.

a. This pamphlet shall be used for determining hourly equipment rates that are contained in the independent government estimate.

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 is not required, as defined in Federal Acquisition Regulation (FAR) Part 15.400, *Contract Pricing*.

(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 FAR cost principles.

1.2 Decision Flow Process

A flow chart (figure 1-1) is provided at the end of this chapter to help the user better understand the process for developing an hourly equipment rate. The flow chart shows the decision points which will allow the user to decide whether to use the predetermined rate tables or calculate the rate using the method shown in figure 2-1 or using CHECKRATE.

1.3 How to Obtain Assistance

When assistance is needed in understanding the methodology for calculating equipment rates, contact the Chief, Cost Engineering Branch, Engineering Division, Walla Walla District, U.S. Army Corps of Engineers, (CENWW-ED-C), 509-527-7511 or 509-527-7510. Visit the CENWW-ED-C Web Site at http://www.nww.usace.army.mil/html/offices/ed/cb/cepage.htm.

1.4 How to Obtain CHECKRATE Spreadsheet

A Microsoft Excel® spreadsheet, named "CHECKRATE," has been developed to calculate equipment rates using the methodology required by this pamphlet. The user must have Microsoft Excel® for Windows, version 5.0 or newer, to run the application. The factors needed in the hourly cost calculations are located in the appendixes of this pamphlet. A copy of the spreadsheet may be obtained by choosing the CHECKRATE link on the following Web Site: http://www.nww.usace.army.mil/cost/epframe.htm.

1.5 How to Obtain this Publication

Volumes 1-12 of this pamphlet are available in portable document format (PDF) and can be viewed or downloaded at http://www.usace.army.mil/inet/usace-docs/eng-pamphlets/cecw.htm. Copies of the pamphlet are also available on CD-ROM (Volumes 1-12) through the Superintendent of Documents or government bookstores (see appendix A). For additional information, telephone 202-512-1800, fax 202-512-2250, or access on the Internet at http://www.gpoaccess.gov/index.html.

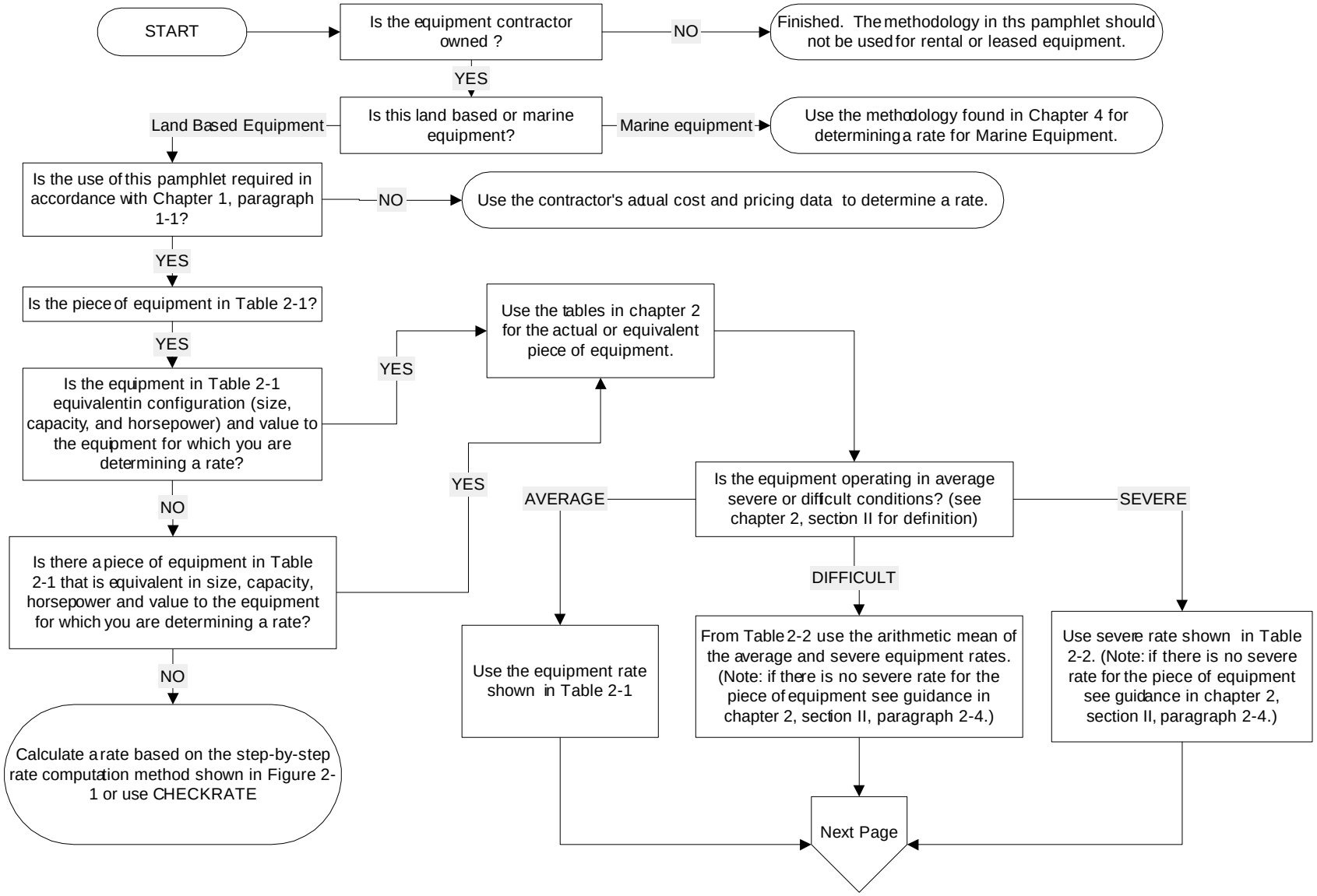

Figure 1-1. Methodology for Developing an Hourly Ownership and Operating Rate for Construction Equipment

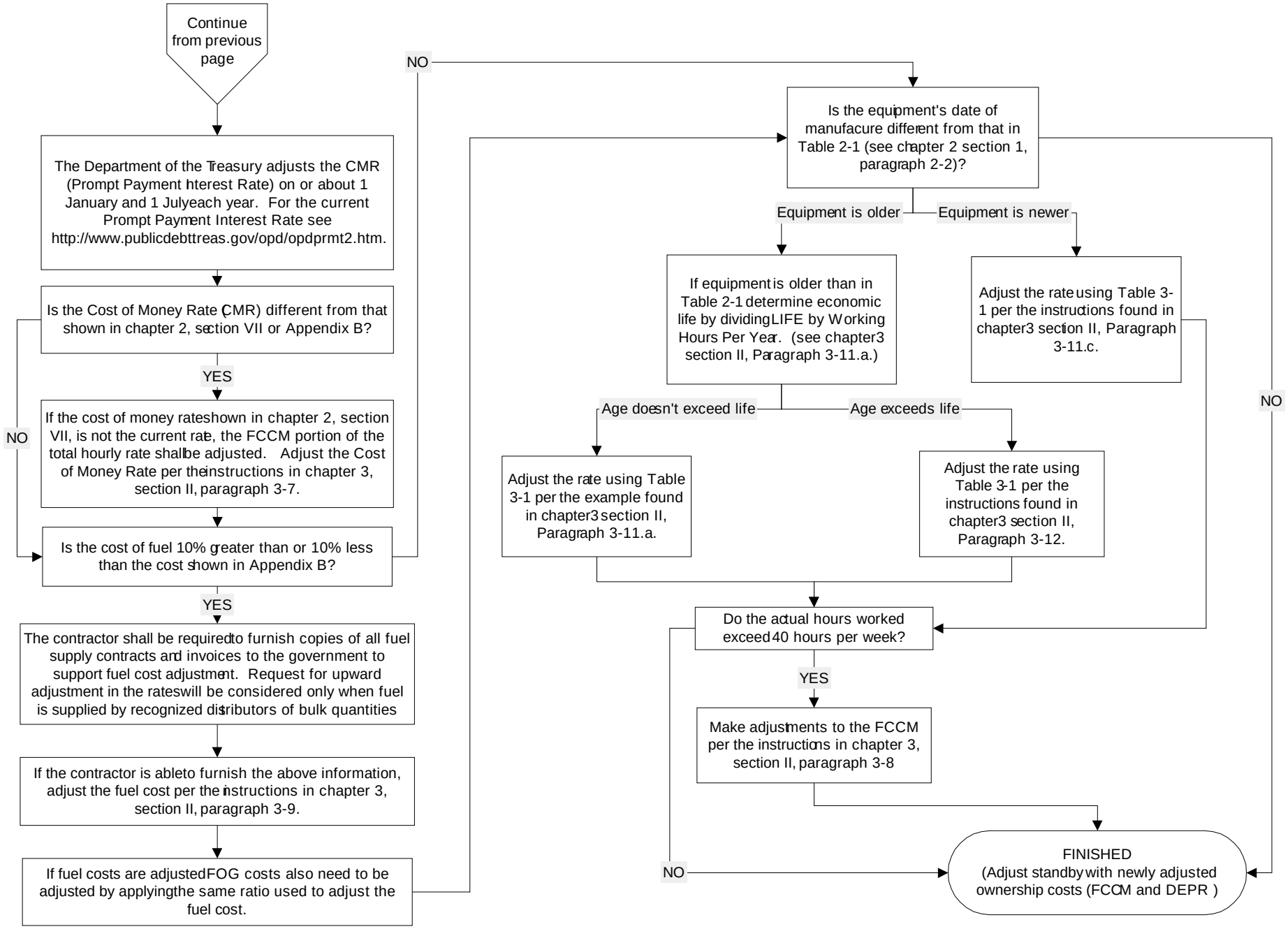

Figure 1-1. Methodology for Developing an Hourly Ownership and Operating Rate for Construction Equipment (Continued)

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 dredging plant). This detailed methodology includes the formulas and factors used to develop both total hourly rates and hourly standby rates. If the equipment is determined to be older than its estimated economic life (overage) or was purchased used, refer to chapter 3.

2.2 Basis for Equipment Rates

The hourly rates shown in table 2-1 reflect catalog list prices of equipment manufactured in 2002 (3 years old). List prices for equipment manufactured in years other than 2002 have been adjusted to 2002 price level using economic indexes. Ownership and operating expenses are computed using area factors, found in appendix B, which are specific to each region and volume. This hourly rate methodology assumes that equipment furnished to the job is in sound, workable condition. Furthermore, the methodology applies only to equipment that 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

Hourly rates for average conditions are shown in table 2-1 and are computed based on a 40-hour (hr) workweek. The hourly rate is the sum of ownership and operating costs. Table 2-2 contains all individual rate elements for both average and severe conditions. An example of the methodology used to compute the total hourly rate is shown in figure 2-1. For standby calculation, see section IX.

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

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

- Fuel
- Filters, oil, and grease (FOG) (includes servicing)

- Repairs (includes maintenance and major overhauls)
- Tire wear (replacement)
- Tire repair

c. Exclusions to Hourly Rates. Total hourly rates for owning and operating equipment do not include allowances for the following:

- Operating labor
- Mobilization and demobilization
- Field office overhead expenses
- Home office or general and administrative (G&A) overhead expenses
- Investment tax credit
- Contingency allowance
- Profit
- Parts and labor escalation

It should also be noted that replacement cost is not included in the rates, as it is not an allowable item of cost per FAR 31.105(d)(2)(i).

d. Other Ownership Elements. The following elements of cost are not included in the total hourly rates. These costs are allowable and would normally be included in the contractor's field office or home office overhead rate calculation.

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

(2) Jobsite security, inspection fees, recordkeeping, mechanic's training, and highway permits are also not included in the total hourly rates.

SECTION II. OPERATING CONDITIONS

2.4 Average, Difficult, or Severe Conditions

Operating conditions may be average, difficult, or severe. Hourly rates for both average and severe operating conditions are determined in accordance with appendix C. The rate for the difficult condition is the arithmetic mean of the average and the severe rates. When only the average rate is shown in table 2-2, the rate applies for all operating conditions or as determined by the contracting officer. 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. This determination is based on contract specifications, site conditions, basis of any supporting evidence, and guidance in appendix C. 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.

SECTION III. EQUIPMENT SELECTION

2.6 General

Equipment shown in table 2-1 is representative of equipment that is used in general construction. Note that some equipment may require additional attachments or accessories. Each unit of equipment is grouped into a main group called a category (CAT) and a subgroup called a subcategory (SUB). This type of grouping is displayed in table 2-1 and appendix D. Also, an identification number (ID No.) is assigned to each unit of equipment. The ID No. consists of three parts. The first three characters are the CAT, the second two characters are the manufacturer's code, and the last three characters are the sequence number.

2.7 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, truck body, and 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.

2.8 Crawler Tractor Selection

A wide range of combinations of ripper and various blade options are available for each crawler tractor. For ease of use, all tractors include a universal blade attachment. Other blade and ripper attachments are shown separately and should be substituted for the universal blade to match actual equipment configuration. Only the

hourly expense for those attachments that are required to perform the work shall be allowed.

2.9 Equipment Accessories

Equipment accessories included on the major pieces of equipment in table 2-1 are listed in appendix J.

SECTION IV. EQUIPMENT VALUE

2.10 List Price and Accessories

The total list price includes those accessories normally purchased by the contractor plus required safety features.

2.11 Discount Code (DC)

A 7.5-percent discount is used for all equipment except highway trucks that are discounted at 15 percent. The total discounted price is derived by subtracting the appropriate discount from the total list price. The identification of the discount is shown in appendix D under column heading DC. Two codes are used to identify the discount, B equals the basic discount of 7.5 percent and S equals the special discount of 15 percent.

2.12 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 average tax for the region is shown in appendix B.

2.13 Freight

Estimated allowances for freight are given in appendix B. This allowance includes preparation and delivery. Multiply the shipping weight based on hundredweight (cwt) by the freight rate to determine freight charges.

2.14 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.

SECTION V. LIFE

2.15 Economic Life (LIFE)

The expected economic life of the equipment 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.

2.16 Working Hours Per Year (WHPY)

Annual average operating hours have been established for equipment working within the region covered by this pamphlet. The number of WHPY as shown in appendix B is equivalent to 1 year's use for a single shift operation. Average annual 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:

- Weather
- Employee holidays
- Equipment maintenance and repairs
- Mobilization and demobilization
- Miscellaneous downtime

SECTION VI. SALVAGE VALUE

2.17 Salvage Value (SLV)

The salvage value for equipment is based on advertisements of used equipment for sale as displayed in current engineering and construction magazines, manufacturer's recommendations, and the *Green Guide Volumes I and II*, *Handbook of New and Used Construction Equipment Values*, Equipment Watch.

2.18 The Salvage Value Percentage

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 and severe conditions.

SECTION VII. OWNERSHIP COST

2.19 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 TEV. Other ownership elements may be allowed (see paragraph 2-3.d.). Total ownership rate per hour is expressed by formula, as follows:

Ownership Rate/hr = DEPR/hr + FCCM/hr

2.20 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. Hourly depreciation is calculated by dividing the “depreciable" value (TEV 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) TEV is the total equipment value found in table 2-1.

(2) SLV is the salvage value from appendix D.

(3) TCI is the tire cost index, which is determined by dividing the year of manufacture tire index by the present-year tire index. For table 2-1, the present year is 2005 and the year of manufacture is 2002 (3 years old). These indexes are listed as part of appendix E [see Economic Key (EK) 100, All Tires and Tubes].

(4) Tire cost is the total tire and/or conveyor belt cost. The total tire cost is the sum of the cost of all front, drive, and trailing tires. The tire cost for rubber-tired equipment is based on tire values at the time the equipment was manufactured.

(5) The LIFE is the economic life, which is based on the number of operating hours throughout the economic life of the equipment (see paragraph 2-15). Hours for LIFE are provided in appendix D.

2.21 The Facilities Capital Cost of Money (FCCM)

The FCCM, as defined in FAR 31.205-10, is included in the total hourly rates. This cost is computed by multiplying a discounted cost of money rate (CMR) by the average value of equipment and prorating the result over the annual operating hours. The January 2005 CMR [4.25 percent as shown in appendix I determined by the Secretary of the Treasury pursuant to Public Law 92-41 (85 Stat. 97)] is discounted by a reduction of 25 percent to avoid duplication when applying estimated markups for overhead and profit. The discounted CMR is then 3.40 percent. The Department of the Treasury adjusts the CMR on or about 1 January and 1 July each year; these revisions are printed in the Federal Register or can be found on the Internet at http://www.publicdebt.treas.gov/opd/opdprmt2.htm. The CMR should be adjusted to the actual period that the equipment is used. Expressed by formula, FCCM cost equals the following:

$$\text{FCCM/hr} = \frac{(\text{TEV})(\text{AVF})(\text{discounted CMR})}{(\text{WHPY})}$$

Where:

(1) TEV is the total equipment value found in table 2-1.

(2) $\text{Average Value Factor (AVF)} = [[(\text{N}-1)(1+\text{SLV})]+2]/2\text{N}$

(a) Number of Years (N) in Depreciation Period = LIFE/WHPY

(b) LIFE is the economic life, which is based on the number of operating hours throughout the economic life of the equipment (see paragraph 2-15). Hours for LIFE are provided in appendix D.

(3) Discounted CMR = 4.25% (Jan – Jun 2005 rate) / 1.25 = 3.40%

(4) WHPY = Working hours Per Year found in appendix B

SECTION VIII. OPERATING COST

2.22 Operating Cost Elements

The total operating cost is the sum of the following five elements: fuel, FOG, repairs, tire wear, and tire repair.

2.23 Fuel Cost

Fuel costs are computed for each gas, diesel, or electric engine. When the unit of equipment has two engines, as in the case of a truck crane, this methodology treats each engine separately for fuel costs. The hourly fuel cost for each unit of equipment is shown under the column heading FUEL in table 2-1 and table 2-2. When the unit of equipment has no engine, no fuel cost will be shown. Hourly fuel costs are calculated for each engine, as expressed in the following formula:

Fuel Cost/hr = Horsepower (hp) x Fuel Cost/Gallon (gal) x Fuel Factor (gal/bhp-hr)

a. Horsepower is the engines rated horsepower. All horsepower ratings for engine-driven equipment are listed with the equipment description in table 2-1.

b. Fuel Cost/Gallon is based on values shown in appendix B. See chapter 3 for fuel cost adjustments.

c. Fuel Factor - Gas or Diesel Fuel. The fuel factor in gallons per brake horsepower-hour (bhp-hr) is listed in appendix D for both average and severe conditions. Fuel factors are also listed for both the engine powering the main equipment (prime engine) and the engine providing power to the carrier vehicle. For severe conditions, the fuel consumption rate is 30 percent greater than the average condition rate. Gas or diesel fuel factors are computed by using the following formula:

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

Where:

(1) The HPF is the horsepower factor used in the fuel and electricity consumption formulas and represents an average percent of full-rated horsepower being used by the engine. The fuel consumption factors, which are shown in appendix D under column headings Fuel Factor-Equipment and Fuel Factor-Carrier, are

computed based on the HPF shown under these column headings. This HPF is an estimate of the engine load under average working conditions. 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. Periods spent at idle, travel in reverse, traveling empty, close maneuvering at part throttle, and operating downhill are examples of conditions that reduce the HPF. Professional judgment regarding cycle time and equipment loading is applied to determine this average HPF. Normal field application can also vary according to: operator efficiency, type of material, type of work cycle, and overall jobsite efficiency. This pamphlet provides an estimated average HPF, not a specific factor.

(2) Pounds (lbs) fuel per bhp-hr is an average based on a variety of engine applications from manufacturers' engine data. The following represent an average of the normal application of equipment and are indicative of engine fuel consumption industry wide. Pounds fuel (consumed) per bhp-hr is based on the following averages and used consistently throughout this pamphlet:

Gasoline = 0.60 lbs per bhp-hr
Diesel = 0.36 lbs per bhp-hr

(3) Pounds fuel per gallon is the factor that determines the weight of the fuel consumed. The following are used as constants in this pamphlet:

Gasoline = 6 lbs per gal
Diesel = 7 lbs per gal

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

$$\text{Fuel Factor (kW/hr)} = \text{HPF} \times 1\text{kW per electric hp-hr}$$

e. Fuel and Electricity Cost. The cost per gallon for gasoline and diesel fuel used to compute the hourly fuel cost is shown in appendix B. The hourly fuel cost for all gasoline-powered equipment, diesel-powered highway trucks, and truck crane carriers includes an allowance for Federal and state road taxes, sales taxes, and rental for fuel storage tanks and pumps. Cost per kilowatt-hour used to compute electricity cost are also shown in appendix B.

2.24 Filters, Oil, and Grease (FOG) Cost

The FOG cost is computed as a percentage of the hourly fuel costs.

a. The FOG contains items of cost for routine servicing of the equipment, which includes the following:

- Base wages for servicing labor
- Fringe benefits and labor burden costs for servicing
- Service truck, tools, and fuel truck allowance
- Shop allowance when shop servicing is required
- Other equipment costs for servicing
- FOG material allowance
- Taxes and shipping for FOG supplies
- Handling and disposal of hazardous materials and oil

b. The hourly FOG cost is calculated for each engine using the following formula:

$$\text{FOG Cost/hr} = \text{FOG Factor x Fuel Cost/hr x LAF}$$

Where:

(1) The FOG Factor is the percent allowance expressed as a decimal factor under each fuel type heading E (electricity), G (gas), or D (diesel). See appendix D.

(2) Fuel Cost/hr is a calculated value shown under the column heading FUEL in tables 2-1 and 2-2.

(3) The LAF (labor adjustment factor) is a decimal factor to account for regional variations in labor and parts costs. This factor is provided in appendix B.

c. The FOG percentage allowance includes the cost for servicing. For equipment that is normally serviced by an oiler assigned to the unit of equipment, the FOG percentage is reduced. 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).

d. When a unit of equipment has no engine (therefore no fuel costs calculated) and the equipment requires some type of fuel (*i.e.*, propane, kerosene), an alternative hourly fuel and FOG allowance may be used in lieu of the regularly calculated fuel and FOG hourly costs. A FOG allowance may also be added when the equipment has no engine and has parts that require FOG. The alternative fuel allowance is added to the

alternative FOG allowance for a total alternative fuel and FOG cost. (See figure 2-1, 5.c)

2.25 Repair Cost

a. The repair cost accounts for equipment repairs, maintenance, and major overhauls (including undercarriage wear, ground engaging tools, and designated attachments) 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 section 2-20). The estimated hourly rate for repairs is computed as follows:

$$\text{Repair Cost/hr} = \frac{[(\text{TEV}) - [(\text{TCI})(\text{Tire Cost})]] \text{ x RF}}{\text{LIFE}}$$

Where:

(1) TEV is the total equipment value found in table 2-1.

(2) TCI is the tire cost index, which is determined by dividing the year of manufacture tire index by the present-year tire index. For table 2-1, the present year is 2005 and the year of manufacture is 2002 (3 years old). These indexes are listed as part of appendix E [see Economic Key (EK) 100, All Tires and Tubes].

(3) Tire cost is the total tire and/or conveyor belt cost. The total tire cost is the sum of the cost of all front, drive, and trailing tires. The tire cost for rubber-tired equipment is based on tire values at the time the equipment was manufactured.

(4) <u>Repair factor (RF)</u> is calculated as follows:

$$\text{RF} = \text{RCF x EAF x LAF}$$

Where:

(a) The RCF (repair cost factor) is shown in appendix D. This factor varies depending on the operating condition of the equipment (average or severe).

(b) The EAF (economic adjustment factor) is used to adjust the RCF to current price levels. The EAF is equal to the economic index for the present year divided by the economic index for the year of manufacture. Indexes listed in appendix E are used to develop the EAF. Economic indexes are determined as follows:

Economic Index for the Present Year. This is the economic index for the present year (2005 for table 2-1 calculations). Obtain the economic index from appendix E. The index is located in the column with the present year and the row with the type of equipment in question. When the column for the present year has not been included, the index can be estimated using a straight-line projection.

Economic Index for the Year of Manufacture. This is the economic index for the year the equipment was manufactured (2002 for table 2-1 calculations). Obtain the economic index from appendix E. The index is located in the column with the year of manufacture and the row with the type of equipment in question. When the actual age of the equipment is beyond the last year of its economic life, the equipment is considered overage. Economic life is determined by dividing hours of LIFE (from appendix D) by WHPY (appendix B).

(5) The LIFE is the economic life, which is based on the number of operating hours throughout the economic life of the equipment (see paragraph 2-15). Hours for LIFE are provided in appendix D.

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

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

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

(3) Service trucks and other equipment used during field or shop repair and maintenance work, including tools.

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

2.26 Tire Wear Cost

a. 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. The belt wear is treated like tire wear. The wear factors are listed in the front tire wear factor column in appendix D. Belt life and cost are listed in appendix F.

b. The formula for calculating tire wear applies to each tire position: front (FT), drive (DT), and trailing (TT). However, all tires performing the drive function are considered drive tires and are listed in the drive position. The total hourly tire wear cost for each unit of equipment is the sum of the hourly cost for each position. The total 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:

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

Where:

(1) Tire Cost Factor is estimated at 1.5, which represents the purchase of the original tire plus one recap. It has been estimated that a recap costs approximately 50 percent of the new tire cost.

(2) Current Tire Cost is the estimated cost that applies to all tires on the equipment in that position. For example, four 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 is estimated at 1.8, which represents the original tire life plus one recap. It has been estimated that a recap lasts approximately 80 percent of the life of a new tire.

(4) Tire Wear Factor is 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 contains the methodology used to develop these factors and a computation example for a rear dump wagon.

(5) Maximum Tire Life expressed in hours is shown for various new tire types in appendix F. The tire life is estimated from information provided by Goodyear Tire and Rubber Company and by using the method and tables in *Production and Cost Estimating of Material Movement with Earthmoving Equipment,* Terex Corporation, Hudson, Ohio.

2.27 Tire Repair Cost

It has been estimated that tire repairs are 15 percent of the total hourly tire wear cost. The LAF is used to adjust the tire repair cost to account for regional 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:

$$\text{Tire Repair Cost} = \text{Total Hourly Tire Wear Cost x } 0.15 \text{ x LAF}$$

SECTION IX. STANDBY HOURLY RATE

2.28 Standby Hourly Rate

The standby rate is computed by allowing the full FCCM hourly cost (based on a 40 hour workweek) plus one-half of the hourly depreciation. It is expressed as a formula, as follows:

$$\text{Standby Rate/hr} = (\text{DEPR/hr x } 0.50) + \text{FCCM/hr}$$

a. Paid standby shall not exceed 40 hours per week (7 calendar days) (based on a 40 hour workweek) per unit of equipment. Actual operating hours during a week will be credited against the 40 hours maximum standby allowance.

b. Standby costs will not be allowed during periods when the equipment would have otherwise been in idle status.

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 actually manufactured. Refer to chapter 3 for rate adjustments.

SECTION X. RATE CALCULATION EXAMPLE

2.29 Computation Example

Figure 2-1 is an example of how the total hourly rates in table 2-1 are computed. A blank Equipment Rate Computation Worksheet is included in appendix A and can be copied as needed.

a. When an hourly rate for a specific unit of equipment is not included in this pamphlet and a rate must be computed, the methodology contained in chapter 2 shall be followed. However, when a unit of equipment is not included in this pamphlet and the necessary factors to compute a rate are not found in appendix D, please contact the Chief, Cost Engineering Branch, Engineering Division, Walla Walla District, U.S. Army Corps of Engineers, for assistance as explained in chapter 1. A Microsoft Excel® spreadsheet **(CHECKRATE)** is also available for rate computation (see chapter 1).

b. See chapter 3 for further guidance on the procedure for rate adjustments.

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

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

1. EQUIPMENT INFORMATION AND EXPENSE FACTORS

ID No.: C90LB001

a. Equipment Specification Data:

(1) Equipment Description: Crane, Mechanical, Lattice Boom, Truck Mtd, 150 Ton/260' Boom
(2) Model and Series: HC-238H II
(3) Year of Use: 2005
(4) Year Manufactured: 2002
(5) Horsepower - Equipment: 207
(6) Horsepower - Carrier: 430
(7) Fuel type: - Equipment: gas/diesel off-road/diesel on-road/electric/air D-Off
- Carrier: gas/diesel off-road/diesel on-road/electric/air D-On
(8) Shipping Weight (cwt): 1913 cwt
(9) Tire size and number of tires: (Cost of tires based on year of use – see 1.a.(3) and appendix F)

	No.	Size/Ply	Unit Price	Cost
(a) Front (FT):	4-ANMB1	14x25/20 ply	$ 943.00	$ 3,772.00
(b) Drive (DT):	8-ANMB1	14x25/20 ply	$ 943.00	$ 7,544.00
(c) Trailing (TT):			$	$
(d) Total Tire Cost:				$ 11,316.00

USE APPENDIX D TO COMPLETE THE FOLLOWING DATA:

b. Category and Subcategory Number: C90, 0.04

c. Hourly Expense Calculation Factors:

(1) Economic Key (EK): 20
(2) Condition (C): X Average or Severe or Difficult
(3) Discount Code (DC): B = 7.5% (0.075) – or – S = 15.0% (0.15) 0.075
(4) Life in Hours (LIFE): 20,000
(5) Salvage Value Percentage (SLV): 0.20
(6) Fuel Factor – Equipment [Electric (E) Gas (G) Diesel (D)]: 0.024
(7) Fuel Factor – Carrier (E G D): 0.005
(8) Filters, Oil, and Grease (FOG) Factor (E G D): 0.276
(9) Tire Wear Factor:
(a) Front (FT): 0.66
(b) Drive (DT): 0.58
(c) Trailing (TT): 0.00
(10) Repair Cost Factor (RCF): 0.90

Figure 2-1. Equipment Rate Computation Worksheet

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2. EQUIPMENT VALUE

a. List Price + Accessories: *[at Year of Manufacture]* =$ 1,271,675

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

($1,271,675 + $0.00) x (0.075) =-($ 95,376

(2) Subtotal [2.a.] – [2.a.(1)] Subtotal=$ 1,176,299

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

($1,176,299) x (5.45%) =+$ 64,108

(4) Total Discounted Price: Subtotal: [2.a.(2)] + [2.a.(3)] Subtotal=$ 1,240,407

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

(1913 cwt) x ($2.55 /cwt) =+$ 4,878

c. TOTAL EQUIPMENT VALUE (TEV): **TOTAL[2.]:=$ 1,245,285**
[(2.a.(4)] + [(2.b)]
(See chapter 3 for used and overage equipment rate adjustments.)

3. DEPRECIATION PERIOD (N)

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

(20,000 hr) / (1450 hr/yr) = 13.79

4. OWNERSHIP COST

a. Depreciation

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

(2430) / (2735) = 0.888 (TCI)

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

[($1,245,285) x [1.0 – (0.20)] – [(0.888) x ($11,316)]] / (20,000 hr)

=$ 49.31 /hr

Figure 2-1. Equipment Rate Computation Worksheet

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4. OWNERSHIP COST (Continued)

b. Facilities Capital Cost of Money (FCCM):

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

[[(13.79 yr) – 1.0] x [1.0 + (0.20)] + 2.0] / [2.0 x (13.79yr)]

= 0.629(AVF)

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

($1,245,285) x (0.629) x (3.40%) / (1450 hr/yr)
=$ 18.37 /hr

c. **TOTAL HOURLY OWNERSHIP COST:** **TOTAL [4.]:** **=$** 67.68 /hr
[4.a.(2)] + [4.b.(2)]

5. OPERATING COST

a. Fuel Costs:

(1) Equipment:

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

(0.024) x (207 hp) x ($1.64 / gal) =$ 8.15 /hr

(2) Carrier:

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

(0.005) x (430 hp) x ($2.11 /gal) =$ 4.54 /hr

(3) Total Hourly Fuel Cost: **Total [5.a.]** =$ 12.69 /hr
[(5.a.(1)] + [5.a.(2)]

b. FOG Cost:

(1) Equipment:

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

(0.276) x ($8.15 /hr) x (1.07) =$ 2.41 /hr

Figure 2-1. Equipment Rate Computation Worksheet

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5. OPERATING COST (Continued)

(2) Carrier:

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

(0.276) x ($4.54/hr) x (1.07) =$ 1.34 /hr

(3) Total Hourly FOG Cost: **Total [5.b.]**=$ 3.75 /hr
[(5.b.(1)] + [5.b.(2)]

c. Alternative Fuel/FOG Cost: **Total [5.c.]**=$ 0.00 /hr

(See chapter 2, paragraph 24.d. for guidance on when to use.)

d. Repair Cost:

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

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

(6088) / (5582) = 1.091 (EAF)

(See table 3-1 for last year of economic life.)

(2) Repair Factor (RF):

(RCF) x (EAF) x (LAF) = Repair Factor (RF)
[1.c.(10)] [5.d.(1)] [Appendix B]

(0.90) x (1.091) x (1.07) = 1.051 (RF)

(3) Repair Cost:

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

[($1,245,285) – [(0.888) x ($11,316)]] x (1.051) / (20,000)

(4) Total Hourly Repair Cost: **Total [5.d.]**=$ 64.91 /hr

Figure 2-1. Equipment Rate Computation Worksheet

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5. OPERATING COST (Continued)

e. Tire Wear Cost: (Use current price levels. See Appendix F)

(1) Front Tires (FT):

[1.5 x (FT Cost)] / [1.8 x (FT Wear Factor) x (Maximum Tire Life Hours)]
[1.a.(9)(a)] [1.c.(9)(a)] [Appendix F]

[1.5 x ($3,772)] / [1.8 x (0.66) x (2500/hr)]

=$ 1.91 /hr

(2) Drive Tires (DT):

[1.5 x (DT Cost)] / [1.8 x (DT Wear Factor) x (Maximum Tire Life Hours)]
[1.a.(9)(b)] [1.c.(9)(b)] [Appendix F]

[1.5 x ($7,544)] / [1.8 x (0.58) x (2500/hr)]

=$ 4.34 /hr

(3) Trailing Tires (TT):

[1.5 x (TT Cost)] / [1.8 x (TT Wear Factor) x (Maximum Tire Life Hours)]
[1.a.(9)(c)] [1.c.(9)(c)] [Appendix F

[1.5 x ($0.00)] / [1.8 x (0) x (0/hr)]

=$ 0.00 /hr

(4) Total Tire Wear Cost: **Total [5.e.]**=$ 6.25 /hr
[Sum 5.e.(1) through 5.e.(3)]

f. Tire Repair Cost:

(Total Tire Wear Cost) x 0.15 x (LAF)
[5.e.(4)] [Appendix B]

($6.25/hr) x 0.15 x (1.07) **Total [5.f.]**=$ 1.00 /hr

g. **TOTAL HOURLY OPERATING COST:** **TOTAL [5.]=$ 88.60 /hr**
[Sum 5.a. through 5.f.]

Figure 2-1. Equipment Rate Computation Worksheet

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6. HOURLY RATES

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

(Ownership Cost) + (Operating Cost)

($67.68 /hr) + ($88.60 /hr) =$ 156.28 /hr

b. Other Work Shifts Hourly Rate:
(Refer to Chapter 3, Adjustments to Rates, for methodology.)

[(Depreciation) + [(FCCM) x (40 hr/wk) / (Work hr/wk)] + (Operating Cost)]
[4.a.(2)] [4.b.(2)] (example: 60 hr/wk) [5.g.]

[($49.31 /hr) + [($18.37 /hr) x (40 hr/wk) / (60 hr/wk)] + ($88.60 /hr)]

=$ 150.16 /hr

c. Standby Hourly Rate:

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

[($49.31 /hr) x 0.50] + ($18.37 /hr) =$ 43.03 /hr)

See Chapter 3 if rate adjustments are necessary.

Figure 2-1. Equipment Rate Computation Worksheet

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Table 2-1. Hourly Equipment Ownership and Operating Expense

EXPLANATION OF TABLE HEADINGS

Example unit of equipment: Link Belt, Model HC-238H II, 150 Ton, 260'-boom.

CAT: C90 is the category number and identifies it as Cranes, Mechanical, Lattice Boom, Truck Mounted (from appendix D).

ID No.: C90LB001 is the unique identification number for the above Link Belt crane. AM equals the manufacturer (see appendix H). 001 equals the numeric order of this unit of equipment within the manufacturer's listing.

MODEL: HC-238H II is the equipment model number.

EQUIPMENT DESCRIPTION: Specific information for each particular unit of equipment is described, such as "150 ton with a 260-foot boom" for the Link Belt crane.

ENGINE HORSEPOWER AND FUEL TYPE: The amount of horsepower and type of fuel used is stated for the main and carrier engines. The Link Belt crane carrier has a 430-horsepower engine, and the crane has a 207-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 2002.

TOTAL HOURLY RATES ($/HR): 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 (see section 2-27 for more information).

ADJUSTABLE ELEMENTS: This column shows ownership elements and fuel costs used to develop the average total hourly rates 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.

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

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
A10	AGGREGATE / CHIP SPREADERS											
	SUBCATEGORY 0.10		**SELF-PROPELLED**									
			ROSCO MANUFACTURING CO.									
	A10RS003	SPR-H	CHIP SPREADER, SELF PROPELLED, 10' WIDE, 1.70 CY	152HP D-off		$87,557	30.04	5.66	8.56	1.38	8.48	149
	A10RS004	SPR-H	CHIP SPREADER, SELF PROPELLED, 11' WIDE, 1.80 CY	152HP D-off		$90,486	30.69	5.86	8.86	1.43	8.48	153
	A10RS005	SPR-H	CHIP SPREADER, SELF PROPELLED, 12' WIDE, 2.03 CY	152HP D-off		$94,097	31.47	6.09	9.22	1.48	8.48	159
	A10RS006	SPR-H-H	CHIP SPREADER, SELF PROPELLED, 13' WIDE, 2.28 CY	152HP D-off		$97,607	32.24	6.33	9.57	1.54	8.48	153
	A10RS007	SPR-H	CHIP SPREADER, SELF PROPELLED, 15' WIDE, 2.53 CY	152HP D-off		$89,392	30.45	5.79	8.75	1.41	8.48	159
	A10RS008	SPREADPRO	CHIP SPREADER, SELF PROPELLED, 16' WIDE, 4.50 CY	215HP D-off		$162,064	50.94	10.47	15.82	2.56	11.99	158
	SUBCATEGORY 0.20		**TOWED & TAILGATE**									
			AMERICAN ROAD MACHINERY, INC.									
	A10AR001	TG-505C	CHIP SPREADER, TAILGATE, 8' WIDE (ADD DUMP TRUCK)			$3,762	0.97	0.31	0.50	0.06	0.00	5
	A10AR002	ODELL 900	CHIP SPREADER, TOWED, 8' WIDE, 3CY (ADD DUMP TRUCK)			$9,320	2.61	0.77	1.24	0.15	0.00	22
			SEALMASTER, INC.									
	A10SE001	R-1 E2310	CHIP SPREADER, TAILGATE, 8' WIDE, 1.13 CY (ADD DUMP TRUCK)			$11,865	3.07	0.98	1.58	0.19	0.00	21
	A10SE002	R-1 E2500	CHIP SPREADER, TOWED, 8' WIDE, 1.13 CY (ADD DUMP TRUCK)			$14,634	3.80	1.22	1.95	0.24	0.00	30

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
A15	AIR COMPRESSORS, PORTABLE												
	SUBCATEGORY 0.10		**ROTARY SCREW**										
			INGERSOLL RAND ROTARY-REC COMPRESSOR DIV										
	A15IA001	P175WJD	AIR COMPRESSOR, 175 CFM, 100 PSI (ADD HOSE)	56HP	D-off		$20,108	7.97	1.11	1.59	0.31	3.31	21
	A15IA002	HP300WCU	AIR COMPRESSOR, 300 CFM, 150 PSI (ADD HOSE)	110HP	D-off		$43,468	16.33	2.40	3.46	0.67	6.49	38
	A15IA003	VHP400WCU	AIR COMPRESSOR, 400 CFM, 200 PSI (ADD HOSE)	174HP	D-off		$52,000	22.87	2.86	4.11	0.80	10.27	53
	A15IA004	HP450WCU	AIR COMPRESSOR, 450 CFM, 150 PSI (ADD HOSE)	174HP	D-off		$52,000	22.87	2.86	4.11	0.80	10.27	53
	A15IA005	XP525WCU	AIR COMPRESSOR, 525 CFM, 125 PSI (ADD HOSE)	174HP	D-off		$52,000	22.87	2.86	4.11	0.80	10.27	53
	A15IA006	XHP650WCAT	AIR COMPRESSOR, 650 CFM, 350 PSI (ADD HOSE)	300HP	D-off		$114,642	43.92	6.30	9.06	1.77	17.71	136
	A15IA007	XHP750WCAT	AIR COMPRESSOR, 750 CFM, 300 PSI (ADD HOSE)	300HP	D-off		$120,275	44.92	6.62	9.51	1.86	17.71	136
	A15IA008	VHP825WCU	AIR COMPRESSOR, 825 CFM, 200 PSI (ADD HOSE)	335HP	D-off		$90,934	42.42	4.99	7.17	1.40	19.78	96
	A15IA009	XP1000WCAT	AIR COMPRESSOR, 1000 CFM, 125 PSI (ADD HOSE)	310HP	D-off		$90,952	40.47	4.99	7.17	1.40	18.30	104
	A15IA010	XHP1070WCAT	AIR COMPRESSOR, 1070 CFM, 350 PSI (ADD HOSE)	400HP	D-off		$162,410	60.23	8.95	12.88	2.51	23.62	152
			SULLAIR CORPORATION										
	A15SR006	125DPQJD	AIR COMPRESSOR, 125 CFM, 100 PSI (ADD HOSE)	76HP	D-off		$13,078	8.27	0.72	1.03	0.20	4.49	24
	A15SR007	130DPQJD	AIR COMPRESSOR, 130 CFM, 100 PSI (ADD HOSE)	77HP	D-off		$13,082	8.35	0.72	1.03	0.20	4.55	26
	A15SR004	185	AIR COMPRESSOR, 185 CFM, 100 PSI (ADD HOSE)	78HP	D-off		$14,304	8.66	0.79	1.13	0.22	4.61	24
	A15SR005	250	AIR COMPRESSOR, 250 CFM, 100 PSI (ADD HOSE)	80HP	D-off		$19,026	9.64	1.05	1.51	0.29	4.72	26
	A15SR008	375HDPQJD	AIR COMPRESSOR, 375 CFM, 150 PSI (ADD HOSE)	123HP	D-off		$30,457	15.06	1.66	2.38	0.47	7.26	42

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
A15			*SULLAIR CORPORATION (continued)*										
	A15SR009	425DPQJD	AIR COMPRESSOR, 425 CFM, 100 PSI (ADD HOSE)	124 HP	D-off		$30,457	15.14	1.66	2.38	0.47	7.32	42
	A15SR010	600HDTQCA	AIR COMPRESSOR, 600 CFM, 150 PSI (ADD HOSE)	230 HP	D-off		$55,470	27.92	3.03	4.33	0.86	13.58	100
	A15SR011	750HHDTQCA	AIR COMPRESSOR, 750 CFM, 175 PSI (ADD HOSE)	300 HP	D-off		$63,555	34.81	3.47	4.98	0.98	17.71	103
	A15SR002	900XH	AIR COMPRESSOR, 900 CFM, 350 PSI (ADD HOSE)	440 HP	D-off		$141,357	59.66	7.76	11.15	2.18	25.98	157
	A15SR012	1050DTQCA	AIR COMPRESSOR, 1050 CFM, 100 PSI (ADD HOSE)	300 HP	D-off		$62,541	34.61	3.41	4.89	0.96	17.71	105
	A15SR013	1300HDTQCA	AIR COMPRESSOR, 1300 CFM, 150 PSI (ADD HOSE)	450 HP	D-off		$117,474	56.09	6.46	9.29	1.81	26.57	156
	A15SR014	1600HDTQCA	AIR COMPRESSOR, 1600 CFM, 100 PSI (ADD HOSE)	450 HP	D-off		$125,302	57.62	6.83	9.80	1.93	26.57	162
	A15SR015	1900DTQCA	AIR COMPRESSOR, 1900 CFM, 100 PSI (ADD HOSE)	525 HP	D-off		$121,780	62.83	6.64	9.52	1.88	31.00	164
			NO SPECIFIC MANUFACTURER										
	A15XX019	85G	AIR COMPRESSOR, 85 CFM, 100 PSI (ADD HOSE)	30 HP	G		$8,507	6.80	0.47	0.67	0.13	3.86	14
	A15XX020	85D	AIR COMPRESSOR, 85 CFM, 100 PSI (ADD HOSE)	30 HP	D-off		$16,289	5.26	0.90	1.29	0.25	1.77	24
	A15XX021	100G	AIR COMPRESSOR, 100 CFM, 100 PSI (ADD HOSE)	50 HP	G		$11,339	10.80	0.62	0.89	0.17	6.43	17
	A15XX022	100D	AIR COMPRESSOR, 100 CFM, 125 PSI (ADD HOSE)	35 HP	D-off		$16,764	5.75	0.93	1.33	0.26	2.07	17
	A15XX023	125G	AIR COMPRESSOR, 125 CFM, 100 PSI (ADD HOSE)	65 HP	G		$11,910	13.53	0.65	0.94	0.18	8.35	20
	A15XX024	130	AIR COMPRESSOR, 130CFM, 100 PSI (ADD HOSE)	50 HP	D-off		$18,886	7.29	1.04	1.50	0.29	2.95	18
	A15XX025	160G	AIR COMPRESSOR, 160 CFM, 125 PSI (ADD HOSE)	60 HP	G		$13,001	12.86	0.72	1.03	0.20	7.71	23
	A15XX026	175D	AIR COMPRESSOR, 175 CFM, 100 PSI (ADD HOSE)	70 HP	D-off		$21,074	9.23	1.17	1.67	0.33	4.13	27
	A15XX027	175G	AIR COMPRESSOR, 175 CFM, 125 PSI (ADD HOSE)	90 HP	G		$13,518	18.21	0.75	1.07	0.21	11.57	24
	A15XX028	185D	AIR COMPRESSOR, 185 CFM, 100 PSI (ADD HOSE)	80 HP	D-off		$21,607	10.09	1.19	1.71	0.33	4.72	24

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		ENGINE HORSEPOWER - FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
A15			*NO SPECIFIC MANUFACTURER (continued)*										
	A15XX029	185G	AIR COMPRESSOR, 185 CFM, 125 PSI (ADD HOSE)	70 HP	G		$14,649	14.90	0.81	1.16	0.23	9.00	23
	A15XX030	250	AIR COMPRESSOR, 250 CFM, 100 PSI (ADD HOSE)	85 HP	D-off		$28,598	11.75	1.58	2.27	0.44	5.02	31
	A15XX031	300	AIR COMPRESSOR, 300 CFM, 125 PSI (ADD HOSE)	110 HP	D-off		$41,826	16.05	2.32	3.33	0.65	6.49	37
	A15XX032	375	AIR COMPRESSOR, 375 CFM, 125 PSI (ADD HOSE)	115 HP	D-off		$38,132	15.82	2.09	3.00	0.59	6.79	37
	A15XX033	450	AIR COMPRESSOR, 450 CFM, 125 PSI (ADD HOSE)	170 HP	D-off		$50,477	22.36	2.75	3.93	0.78	10.04	89
	A15XX034	600	AIR COMPRESSOR, 600 CFM, 150 PSI (ADD HOSE)	250 HP	D-off		$70,267	32.10	3.84	5.51	1.08	14.76	99
	A15XX035	750	AIR COMPRESSOR, 750 CFM, 125 PSI (ADD HOSE)	275 HP	D-off		$74,963	34.90	4.11	5.89	1.16	16.24	93
	A15XX036	825	AIR COMPRESSOR, 825 CFM, 125 PSI (ADD HOSE)	275 HP	D-off		$80,712	35.93	4.43	6.35	1.25	16.24	104
	A15XX037	900	AIR COMPRESSOR, 900 CFM, 125 PSI (ADD HOSE)	310 HP	D-off		$86,467	39.67	4.74	6.81	1.33	18.30	93
	A15XX038	1200	AIR COMPRESSOR, 1200 CFM, 125 PSI (ADD HOSE)	360 HP	D-off		$131,148	51.52	7.21	10.38	2.02	21.25	150
	A15XX039	1300	AIR COMPRESSOR, 1400 CFM, 150 PSI (ADD HOSE)	460 HP	D-off		$137,003	60.40	7.52	10.81	2.11	27.16	180
	A15XX040	1600	AIR COMPRESSOR, 1600 CFM, 150 PSI (ADD HOSE)	500 HP	D-off		$147,986	65.47	8.13	11.69	2.28	29.52	151
	SUBCATEGORY 0.20		**SHOP TYPE**										
			NO SPECIFIC MANUFACTURER										
	A15XX041	80/15	AIR COMPRESSOR, 22 CFM, 80 GAL (ADD HOSE)	5 HP	E		$2,127	0.70	0.11	0.15	0.03	0.26	3
	A15XX042	80/25	AIR COMPRESSOR, 28 CFM, 80 GAL (ADD HOSE)	7 HP	E		$2,877	0.97	0.14	0.20	0.04	0.37	3
	A15XX043	120/35	AIR COMPRESSOR, 41 CFM, 120 GAL (ADD HOSE)	10 HP	E		$4,337	1.43	0.22	0.31	0.06	0.53	4
	A15XX044	120/55	AIR COMPRESSOR, 58 CFM, 120 GAL (ADD HOSE)	15 HP	E		$5,088	1.92	0.25	0.36	0.07	0.79	4
	A15XX045	120/90	AIR COMPRESSOR, 89 CFM, 120 GAL (ADD HOSE)	25 HP	E		$7,270	3.04	0.37	0.51	0.11	1.31	4

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
A15			*NO SPECIFIC MANUFACTURER (continued)*									
	A15XX046	120/112	AIR COMPRESSOR, 103 CFM, 120 GAL (ADD HOSE)	30HP E		$8,920	3.68	0.45	0.63	0.13	1.58	5
A20	AIR HOSE, TOOLS & EQUIPMENT											
	SUBCATEGORY 0.10		**AIR DRILL HOSE**									
			NO SPECIFIC MANUFACTURER									
	A20XX001		AIR HOSE, 0.75", 100', HARDROCK			$1,192	0.91	0.18	0.32	0.02	0.00	1
	A20XX002		AIR HOSE, 1.00", 100', HARDROCK			$1,382	1.06	0.21	0.38	0.02	0.00	1
	A20XX003		AIR HOSE, 1.25", 100', HARDROCK			$1,724	1.32	0.27	0.47	0.03	0.00	1
	A20XX004		AIR HOSE, 1.50", 100', HARDROCK			$2,252	1.72	0.35	0.61	0.04	0.00	1
	A20XX005		AIR HOSE, 2.00", 100', HARDROCK			$3,182	2.42	0.48	0.86	0.05	0.00	2
	A20XX006		AIR HOSE, 2.50", 100', HARDROCK			$3,894	2.98	0.60	1.06	0.07	0.00	3
	A20XX007		AIR HOSE, 3.00", 100', HARDROCK			$4,806	3.66	0.73	1.30	0.08	0.00	4
	A20XX008		AIR HOSE, 4.00", 100', HARDROCK			$6,414	4.89	0.98	1.74	0.11	0.00	6
	SUBCATEGORY 0.20		**SANDBLAST HOSE**									
			CLEMCO INDUSTRIES CORPORATION									
	A20CM017		SANDBLAST HOSE, 0.75"ID, 100' LONG USE AS SAND BLASTING ACCESSORY			$485	0.39	0.08	0.13	0.01	0.00	1
	A20CM018		SANDBLAST HOSE, 1.00"ID, 100' LONG USE AS SAND BLASTING ACCESSORY			$645	0.53	0.10	0.18	0.01	0.00	1
	A20CM020		SANDBLAST HOSE, 1.25"ID, 100' LONG USE AS SAND BLASTING ACCESSORY			$703	0.57	0.11	0.19	0.01	0.00	1
	A20CM019		SANDBLAST HOSE, 1.50"ID, 100' LONG USE AS SAND BLASTING ACCESSORY			$798	0.65	0.12	0.22	0.01	0.00	1
	SUBCATEGORY 0.30		**SANDBLASTERS, BREAKERS, & MISC. AIR TOOLS**									
			CHICAGO PNEUMATIC TOOL CO.									
	A20CK002	CP-0009F	ROTARY / CHIP HAMMER, 8 LB, AIR (ADD 30 CFM COMPRESSOR & BIT COSTS)	20CFM A		$906	0.40	0.08	0.14	0.01	0.00	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
A20			*CHICAGO PNEUMATIC TOOL CO. (continued)*									
	A20CK001	CP-0014RR	ROTARY / CHIP HAMMER, 15 LB, AIR (ADD 30 CFM COMPRESSOR & BIT COSTS)	32 CFM A		$1,587	0.70	0.14	0.24	0.02	0.00	1
	A20CK003	CP-0022	ROCK DRILL, 30 LB, AIR (ADD 50 CFM COMPRESSOR & BIT COSTS)	56 CFM A		$1,760	0.78	0.16	0.26	0.03	0.00	1
	A20CK005	CP-0069	ROCK DRILL, 55 LB, AIR (ADD 140 CFM COMPRESSOR & BIT COSTS)	130 CFM A		$2,216	0.97	0.20	0.33	0.03	0.00	1
	A20CK006	CP-0111-THLA	BREAKER-FOUR BOLT, 25 LB (ADD 50 CFM COMPRESSOR & BIT COSTS)	45 CFM A		$1,212	0.54	0.11	0.18	0.02	0.00	1
	A20CK008	CP-1230-S1.25	BREAKER-FOUR BOLT, 60 LB (ADD 65 CFM COMPRESSOR & BIT COSTS)	63 CFM A		$1,331	0.59	0.12	0.20	0.02	0.00	1
	A20CK010	CP-1240-S1.25	BREAKER-FOUR BOLT, 90 LB (ADD 90 CFM COMPRESSOR & BIT COSTS)	81 CFM A		$1,443	0.64	0.13	0.22	0.02	0.00	1
			CLEMCO INDUSTRIES CORPORATION									
	A20CM010	PACKAGE TWO	SANDBLASTER, 2 CF CAP, W/0.50" D X 25'L HOSE (ADD 100 CFM COMPRESSOR & NOZZLE COST)	100 CFM A		$3,124	1.44	0.29	0.47	0.05	0.00	4
	A20CM011	PACKAGE FOUR	SANDBLASTER, 4 CF CAP, W/1.00"D X 25'L HOSE (ADD 170 CFM COMPRESSOR & NOZZLE COST)	170 CFM A		$3,473	1.59	0.31	0.52	0.05	0.00	5
	A20CM012	PACKAGE SIX	SANDBLASTER, 6 CF CAP, W/1.25"D X 25'L HOSE (ADD 200 CFM COMPRESSOR & NOZZLE COST)	200 CFM A		$3,772	1.80	0.35	0.57	0.06	0.00	6
	A20CM013		SANDBLASTER, 60CF CAP, W/1.25"D X 50'L HOSE (ADD 450 CFM COMPRESSOR & NOZZLE COST)	450 CFM A		$15,986	7.24	1.41	2.32	0.25	0.00	30
	A20CM014		SANDBLASTER, 120CF CAP, W/1.25"D X 50'L HOSE (ADD 700 CFM COMPRESSOR & NOZZLE COST)	700 CFM A		$18,920	8.44	1.60	2.61	0.29	0.00	35
	A20CM015		SANDBLASTER, 160CF CAP, W/1.25"D X 50'L HOSE (ADD 900 CFM COMPRESSOR & NOZZLE COST)	900 CFM A		$20,229	9.09	1.71	2.79	0.31	0.00	45
	A20CM016		SANDBLAST ABRASIVE STORAGE HOPPER, 700 CF, 8' DEEP,10' WIDE & 23' HIGH (ADD SAND BLASTER & ACCESSORIES)			$12,635	5.90	1.15	1.90	0.20	0.00	69

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			WACKER CORPORATION										
	A20WC002	EHB11/BL/110	BREAKER/DRILL, 40 LB, ELECTRIC (ADD 2 KW GENERATOR & BIT COSTS)	2HP	E		$1,491	0.93	0.13	0.22	0.02	0.09	1
	A20WC004	BH 23	BREAKER/DRIVER, 65 LB, W/POWER UNIT (ADD BIT COSTS)	4HP	G		$4,131	2.43	0.37	0.62	0.06	0.45	1
			NO SPECIFIC MANUFACTURER										
	A20XX021	STANDARD 25-30 LBS	PAVEMENT BREAKER, 25-30 LB, HAND HELD (ADD 100 CFM COMPRESSOR)	100CFM	A		$1,104	0.50	0.11	0.17	0.02	0.00	1
	A20XX022	SILENCED 35-45 LBS	PAVEMENT BREAKER, 35-45 LB, HAND HELD (ADD 100 CFM COMPRESSOR)	100CFM	A		$1,290	0.57	0.12	0.19	0.02	0.00	1
	A20XX023	SILENCED 60-65 LBS	PAVEMENT BREAKER, 60-65 LB, HAND HELD (ADD 100 CFM COMPRESSOR)	100CFM	A		$1,555	0.68	0.14	0.23	0.02	0.00	1
	A20XX024	SILENCED 80-90 LBS	PAVEMENT BREAKER, 80-90 LB, HAND HELD (ADD 100 CFM COMPRESSOR)	100CFM	A		$1,605	0.70	0.14	0.24	0.02	0.00	1
	A20XX025	55DRY	ROCK DRILL, DRY, 55 LB, HAND HELD (ADD 100 CFM COMPRESSOR)	100CFM	A		$2,272	1.01	0.21	0.34	0.04	0.00	1
A25	**ASPHALT PAVING DISTRIBUTORS**												
	SUBCATEGORY 0.00		**ASPHALT PAVING DISTRIBUTORS**										
			ROSCO MANUFACTURING CO.										
	A25RS006	MAXIMIZER 11	ASPHALT DISTRIBUTOR, 2000 GAL, 400 GPM, TRUCK MTD (ADD 32,000 GVW TRUCK)				$42,788	14.90	3.87	6.42	0.66	0.00	70
	A25RS008	MAXIMIZER 11	ASPHALT DISTRIBUTOR, 3100 GAL, 400 GPM, TRUCK MTD (ADD 42,000 GVW TRUCK)				$49,218	17.60	4.45	7.38	0.76	0.00	97
			NO SPECIFIC MANUFACTURER										
	A25XX001	1100G	ASPHALT DISTRIBUTOR, 1100 GAL, 400 GPM, TRUCK MTD (ADD 32,000 GVW TRUCK)				$44,945	15.07	4.06	6.74	0.69	0.00	64
	A25XX002	2600G	ASPHALT DISTRIBUTOR, 2600 GAL, 400 GPM, TRUCK MTD (ADD 32,000 GVW TRUCK)				$52,153	18.26	4.72	7.82	0.81	0.00	89
	A25XX003	3600G	ASPHALT DISTRIBUTOR, 3600 GAL, 400 GPM, TRUCK MTD (ADD 42,000 GVW TRUCK)				$56,964	20.38	5.15	8.54	0.88	0.00	104

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
A30	ASPHALT PAVERS & MISCELLANEOUS ROAD EQUIPMENT											
	SUBCATEGORY 0.10		**SELF PROPELLED**									
			BARBER-GREENE COMPANY									
	A30BG008	BG210B	ASPHALT PAVER, 8' WIDE SCREED, WHEEL, W/15'6" SCREED EXTENSION, 170 CF HOPPER	107HP D-off		$222,995	65.73	15.05	23.28	3.41	5.97	237
	A30BG007	BG230	ASPHALT FINISHER, 8' WIDE SCREED, WHEEL, W/15' 6" SCREED EXTENSION, 190 CF HOPPER	98HP D-off		$270,673	78.90	18.31	28.34	4.14	5.46	314
	A30BG004	BG225C	ASPHALT FINISHER, 8' WIDE SCREED, CRAWLER, W/15' 6" SCREED EXTENSION, 177 CF HOPPER	112HP D-off		$305,076	88.72	20.87	32.41	4.66	6.25	336
	A30BG009	BG240C	ASPHALT PAVER, 10' WIDE SCREED, WHEEL, W/19'6" SCREED EXTENSION, 215 CF HOPPER	139HP D-off		$293,286	86.56	19.71	30.46	4.48	7.75	377
	A30BG005	BG245C	ASPHALT FINISHER, 10' WIDE SCREED, CRAWLER, W/19' 6" SCREED EXTENSION, 215 CF HOPPER	158HP D-off		$353,952	104.75	24.22	37.61	5.41	8.81	374
	A30BG003	BG260C	ASPHALT FINISHER, 10' WIDE SCREED, WHEEL, W/19' 6" SCREED EXTENSION, 215 CF HOPPER	158HP D-off		$353,283	104.83	23.63	36.46	5.40	8.81	382
			BLAW KNOX CONSTRUCTION EQUIPMENT CORP.									
	A30BK010	PF-150	ASPHALT PAVER/FINISHER, 8' WIDE SCREED, WHEEL, 107 CF HOOPER	47HP D-off		$133,640	38.25	9.00	13.92	2.04	2.62	154
	A30BK011	PF-161	ASPHALT PAVER/FINISHER, 8' WIDE SCREED, WHEEL, 181 CF HOPPER	107HP D-off		$246,013	71.69	16.62	25.72	3.76	5.97	210
	A30BK013	PF-3172	ASPHALT PAVER/FINISHER, 10' WIDE SCREED, WHEEL, 182 CF HOPPER	145HP D-off		$258,350	77.85	17.43	26.96	3.95	8.09	299
	A30BK015	PF-3200	ASPHALT PAVER/FINISHER, 10' WIDE SCREED, WHEEL, 225 CF HOPPER	184HP D-off		$297,900	91.02	20.04	30.98	4.55	10.26	340
	A30BK017	PF-5500	ASPHALT PAVER/FINISHER, 10' WIDE SCREED, CRAWLER, 218 CF HOPPER	184HP D-off		$314,599	94.98	21.53	33.43	4.81	10.26	340
	A30BK018	PF-5510	ASPHALT PAVER/FINISHER, 10' WIDE SCREED, CRAWLER, 218 CF HOPPER	184HP D-off		$319,785	96.32	21.88	33.98	4.89	10.26	320

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
A30			*BLAW KNOX CONSTRUCTION EQUIPMENT CORP. (continued)*									
	A30BK019	RW 100 A	ASPHALT PAVER, SHOULDER PAVING MACHINE, 1'-10' WIDE, BITUMINOUS & AGGREGATE, WHEEL, 72.5 CF HOPPER	105HP D-off		$191,273	57.21	12.94	20.04	2.92	5.85	245
	A30BK020	RW 195 D	ASPHALT PAVER, SHOULDER PAVING MACHINE, 2'-10' WIDE, BITUMINOUS & AGGREGATE, WHEEL, 73 CF HOPPER	173HP D-off		$246,996	76.78	16.76	25.96	3.78	9.65	330
	A30BK021	TITAN 325 EPM	ASPHALT PAVER, 32.8' WIDE, CRAWLER W/DUAL TAMPER SCREED, 13.5 TON HOPPER	176HP D-off		$320,150	95.82	21.90	34.02	4.89	9.81	399
	A30BK022	PF-2181	ASPHALT PAVER, 8' WIDE SCREED, WHEEL, 2 WHEEL DRIVE, 182 CF HOPPER	145HP D-off		$241,713	73.54	16.30	25.19	3.70	8.09	283
	A30BK023	PF-4410	ASPHALT PAVER, 8' WIDE SCREED, CRAWLER, 155 CF HOPPER	145HP D-off		$268,792	80.26	18.39	28.56	4.11	8.09	269
			CATERPILLAR INC. (MACHINE DIVISION)									
	A30CA001	AP-200B	ASPHALT PAVER, 3-12' WIDE PAVING RANGE, CRAWLER, 6 TON HOPPER	35HP D-off		$53,098	16.31	3.63	5.64	0.81	1.95	96
	A30CA013	AP-650B	ASPHALT PAVER, 8' WIDE SCREED, CRAWLER, 177 CF HOPPER	121HP D-off		$256,982	75.43	17.58	27.30	3.93	6.75	402
	A30CA002	AP-800C	ASPHALT PAVER, 8' WIDE+2' EXT. PAVEMASTER SCREED, WHEEL, 195 CF HOPPER	107HP D-off		$254,745	74.08	17.17	26.56	3.89	5.97	319
	A30CA014	AP-900B	ASPHALT PAVER, 10' WIDE SCREED, WHEEL, 215 CF HOPPER	153HP D-off		$267,851	81.01	17.97	27.76	4.09	8.53	378
	A30CA008	AP-1000B	ASPHALT PAVER, 10' - 12' WIDE PAVEMASTER SCREED, WHEEL, 215 CF HOPPER	174HP D-off		$296,405	89.92	19.97	30.87	4.53	9.70	468
	A30CA015	AP-1050B	ASPHALT PAVER, 10' WIDE EXTEND-A-MAT SCREED, CRAWLER, 215 CF HOPPER	174HP D-off		$432,505	124.76	29.59	45.95	6.61	9.70	415
	A30CA016	AP-1055B	ASPHALT PAVER, 10' WIDE SCREED, CRAWLER, 215 CF HOPPER	173HP D-off		$334,584	99.35	22.90	35.55	5.12	9.65	413
	A30CA009	AP-1050B	ASPHALT PAVER, 10' - 24' WIDE PAVEMASTER SCREED, CRAWLER, 215 CF HOPPER	173HP D-off		$365,276	107.29	24.99	38.81	5.58	9.65	418
			CHAMPION ROAD MACHINERY - SUPERPAC CO.									
	A30CH001	780WB	ASPHALT PAVER, 8' WIDE SCREED, WHEEL, 190 CF HOPPER	110HP D-off		$236,783	69.51	15.99	24.74	3.62	6.13	265
	A30CH002	880WB	ASPHALT PAVER, 8' WIDE SCREED, WHEEL, 190 CF HOPPER	152HP D-off		$258,579	78.41	17.44	26.98	3.95	8.48	315

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		ENGINE HORSEPOWER - FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
A30			*CHAMPION ROAD MACHINERY - SUPERPAC CO. (continued)*										
	A30CH003	880RTB	ASPHALT PAVER, 8' WIDE SCREED, CRAWLER-RUBBER TRACK, 190 CF HOPPER	152HP	D-off		$260,125	78.52	17.80	27.64	3.98	8.48	282
	A30CH004	1010WB	ASPHALT PAVER, 10' WIDE SCREED, WHEEL, 205 CF HOPPER	152HP	D-off		$272,697	82.05	18.38	28.42	4.17	8.48	305
	A30CH005	1110WB	ASPHALT PAVER, 10'0" WIDE SCREED, WHEEL, 225 CF HOPPER	173HP	D-off		$297,523	90.21	20.03	30.96	4.55	9.65	343
	A30CH006	1110RTB SWIFTRACK	ASPHALT PAVER, 10' WIDE SCREED, CRAWLER-RUBBER TRACK, 225 CF HOPPER	200HP	D-off		$347,556	104.68	23.78	36.93	5.31	11.15	402
			CEDARAPIDS INC., A TEREX COMPANY										
	A30EJ001	CR351	ASPHALT PAVER, 8' WIDE FASTACH SCREED, WHEEL, 145 CF HOPPER	130HP	D-off		$199,235	61.31	13.41	20.72	3.05	7.25	263
	A30EJ002	CR361	ASPHALT PAVER, 8' WIDE FASTACH SCREED, CRAWLER, 145 CF HOPPER	130HP	D-off		$222,262	67.10	15.21	23.62	3.40	7.25	253
	A30EJ003	CR451	ASPHALT PAVER, 10' WIDE FASTACH SCREED, WHEEL, 229 CF HOPPER	172HP	D-off		$232,784	73.29	15.57	24.01	3.56	9.59	315
	A30EJ004	CR461	ASPHALT PAVER, 10' WIDE FASTACH SCREED, CRAWLER, 219 CF HOPPER	172HP	D-off		$256,809	79.14	17.58	27.29	3.93	9.59	356
	A30EJ005	CR551	ASPHALT PAVER, 10' WIDE FASTACH SCREED, WHEEL, 267 CF HOPPER	172HP	D-off		$260,822	80.36	17.09	26.19	3.99	9.59	341
	A30EJ006	CR561	ASPHALT PAVER, 10' WIDE FASTACH SCREED, CRAWLER, 267 CF HOPPER	172HP	D-off		$284,872	86.40	19.50	30.27	4.36	9.59	389
			GEHL COMPANY										
	A30GC001	1438	ASPHALT PAVER, 8' WIDE SCREED, WHEEL, 4 TON HOPPER	25HP	G		$28,478	11.45	1.94	2.99	0.44	2.98	64
	A30GC002	1448	ASPHALT PAVER, 8' WIDE SCREED, WHEEL, 4 TON HOPPER	25HP	D-off		$31,562	10.01	2.14	3.32	0.48	1.39	67
	A30GC003	1639	ASPHALT PAVER, 9' WIDE SCREED, CRAWLER, 6 TON HOPPER	25HP	G		$40,090	14.44	2.74	4.26	0.61	2.98	84
	A30GC004	1649	ASPHALT PAVER, 9' WIDE SCREED, CRAWLER, 6 TON HOPPER	41HP	D-off		$43,454	14.27	2.97	4.62	0.66	2.29	85

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.20		**TOWED**									
			MIDLAND MACHINERY CO									
	A30MP001	SP-8	ASPHALT PAVER, SHOULDER PAVING MACHINE, 1'-8' WIDE, BITUMINOUS & AGGREGATE, WHEEL	80HP D-off		$117,657	26.93	6.53	9.41	1.82	4.07	185
	A30MP002	SP-10	ASPHALT PAVER, SHOULDER PAVING MACHINE, 1'-10' WIDE, BITUMINOUS & AGGREGATE, WHEEL	100HP D-off		$152,764	34.70	8.47	12.22	2.36	5.08	275
	SUBCATEGORY 0.30		**SLURRY SEAL PAVERS (Cold mix)**									
			NO SPECIFIC MANUFACTURER									
	A30XX001	MINIMAC	ASPHALT PAVER, SLURRY SEAL PAVER 8' WIDE, SELF PROPELLED	110HP D-off		$130,775	24.40	6.27	8.56	1.99	5.23	130
	A30XX002	MACROPAVER 12B	ASPHALT PAVER, SLURRY SEAL PAVER 8' WIDE (ADD 40,000 GVW TRUCK)	110HP D-off		$149,567	26.40	7.26	9.97	2.27	5.23	175
	SUBCATEGORY 0.40		**MISCELLANEOUS ROAD EQUIPMENT**									
			BLAW KNOX CONSTRUCTION EQUIPMENT CORP.									
	A30BK024	MC-330	ASPHALT PAVER, MOBILE CONVEYOR, 60" WIDE BELT, WHEEL (ADD ASPHALT PAVER UNIT)	184HP D-off		$311,453	69.59	17.14	24.65	4.81	9.35	430
			CATERPILLAR INC. (MACHINE DIVISION)									
	A30CA007	BG-650	ASPHALT PAVER, ASPHALT WINDROW ELEVATOR, WHEEL (ADD ASPHALT PAVER UNIT)	107HP D-off		$107,154	26.93	5.87	8.44	1.65	5.44	171
			LEE-BOY									
	A30LD001	3000	ASPHALT PAVER, ASPHALT FORCE FEED LOADER, 30" WIDE BELT, WINDROW OR LOOSE, WHEEL (ADD ASPHALT PAVER UNIT)	110HP D-off		$122,949	30.08	6.73	9.65	1.90	5.59	198

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			ROADTEC									
	A30RT001	SB-1500	ASPHALT PAVER, ASPHALT MATERIAL TRANSFER VEHICLE, 15 TON HOPPER, 600 TPH, 65" WIDE CONVEYOR, WHEEL	275HP D-off		$452,033	101.29	25.05	36.15	6.97	13.98	600
	A30RT002	SB-2500B	ASPHALT PAVER, ASPHALT MATERIAL TRANSFER VEHICLE, 25 TON HOPPER, 1000 TPH, 69" WIDE CONVEYOR, WHEEL	275HP D-off		$473,452	105.25	26.21	37.82	7.30	13.98	790
A35	ASPHALT PAVING KETTLES											
	SUBCATEGORY 0.00		**ASPHALT PAVING KETTLES**									
			AEROIL PRODUCTS COMPANY, INC.									
	A35AE001	KEB-80KE	ASPHALT/PAVEMENT KETTLE, 80 GAL, TRAILER W/PUMP & HOSE	5HP G		$9,077	5.36	0.74	1.17	0.15	0.56	9
	A35AE002	KEB-115KE	ASPHALT/PAVEMENT KETTLE, 115 GAL, TRAILER W/PUMP & HOSE	5HP G		$9,380	6.14	0.76	1.21	0.15	0.56	11
	A35AE003	KEB-170KE	ASPHALT/PAVEMENT KETTLE, 170 GAL, TRAILER W/PUMP & HOSE	5HP G		$10,012	6.70	0.82	1.31	0.16	0.56	15
	A35AE004	KEB-260KE	ASPHALT/PAVEMENT KETTLE, 260 GAL, TRAILER W/PUMP & HOSE	5HP G		$10,927	7.87	0.90	1.43	0.18	0.56	19
	A35AE005	KEB-360KE	ASPHALT/PAVEMENT KETTLE, 360 GAL, TRAILER W/PUMP & HOSE	5HP G		$12,023	10.38	0.97	1.54	0.20	0.56	20
A40	ASPHALT & CONCRETE MILLERS / PROFILERS / PLANERS											
	SUBCATEGORY 0.00		**ASPHALT & CONCRETE MILLERS / PROFILERS / PLANERS**									
			CATERPILLAR INC. (MACHINE DIVISION)									
	A40CA008	PM-465	ASPHALT COLD PLANER, 75" W X 10" D, CRAWLER (ADD CUTTING TEETH COSTS)	500HP D-off		$434,148	193.14	36.05	57.89	7.10	36.90	505
	A40CA009	PM-565B	ASPHALT COLD PLANER, 83" W X 12" D, CRAWLER (ADD CUTTING TEETH COSTS)	625HP D-off		$637,492	272.98	52.92	85.00	10.42	46.13	735

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			CMI CORPORATION - BID-WELL DIVISION									
	A40CW001	PR-1050	ASPHALT PROFILER, MAX 12.5' W X 12" D, CRAWLER (ADD CUTTING TEETH COSTS)	800 HP D-off		$769,042	333.77	63.84	102.54	12.57	59.04	1,205
			ROADTEC									
	A40RT001	RX-20B	ASPHALT COLD PLANER, 40" W X 10" D, WHEEL (ADD CUTTING TEETH COSTS)	230 HP D-off		$293,589	119.67	24.10	38.59	4.80	16.97	324
	A40RT002	RX-25	ASPHALT COLD PLANER, 52" W X 8" D, CRAWLER (ADD CUTTING TEETH COSTS)	250 HP D-off		$384,552	152.30	31.92	51.27	6.28	18.45	420
	A40RT003	RX-45B	ASPHALT COLD PLANER, 78" W X 12" D, CRAWLER (ADD CUTTING TEETH COSTS)	460 HP D-off		$475,956	203.16	39.51	63.46	7.78	33.95	617
	A40RT004	RX-60B	ASPHALT COLD PLANER, 86" W X 12" D, CRAWLER (ADD CUTTING TEETH COSTS)	800 HP D-off		$610,392	280.97	50.68	81.39	9.98	59.04	918
	A40RT005	RX-68B	ASPHALT COLD PLANER, 98" W X 12" D, CRAWLER (ADD CUTTING TEETH COSTS)	800 HP D-off		$650,069	294.17	53.96	86.68	10.62	59.04	830
	A40RT006	RX-70B	ASPHALT COLD PLANER, 150" W X 8" D, CRAWLER (ADD CUTTING TEETH COSTS)	800 HP D-off		$719,970	317.44	59.77	96.00	11.77	59.04	920
A45	ASPHALT RECYCLERS & SEALERS											
	SUBCATEGORY 0.00		**ASPHALT RECYCLERS & SEALERS**									
			AEROIL PRODUCTS COMPANY, INC.									
	A45AE001	HEPR-52V	ASPHALT RESURFACER-PATCHER, 4' WIDE, 17.3 SF, 600,000 BTU INFRA-RED HEATER, TRAILER MTD			$8,047	10.09	0.77	1.26	0.14	0.00	11
	A45AE002	HEPR-96V	ASPHALT RESURFACER-PATCHER, 8' WIDE, 32.0 SF, 1,200,000 BTU INFRA-RED HEATER, TRAILER MTD			$15,744	20.11	1.51	2.49	0.26	0.00	16
	A45AE003	HEPR-120V	ASPHALT RESURFACER-PATCHER, 10' WIDE, 40.0 SF, 1,420,000 BTU INFRA-RED HEATER, TRAILER MTD			$18,564	23.78	1.79	2.95	0.31	0.00	17
			ROSCO MANUFACTURING CO.									
	A45RS001	RA-2000	ASPHALT SPRAY PATCHER, 300 GAL, ARTICULATED BOOM - 17' R, TRAILER MTD	85 HP D-off		$37,866	20.32	3.64	6.00	0.64	4.32	60

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
A45			*ROSCO MANUFACTURING CO. (continued)*										
	A45RS002	RA-300	ASPHALT SPRAY PATCHER, 400 GAL, TELESCOPIC BOOM - 22' EXT, TRUCK MTD	210 HP	D-on		$123,593	64.90	11.96	19.77	2.07	13.74	179
			SEALMASTER, INC.										
	A45SE002	SP200 DUAL	ASPHALT SEALCOATER, 200 GAL, 75 GPM, 108" WIDE DUAL SPRAY, SQUEEGEE, SELF PROPELLED	20 HP	G		$24,732	13.55	2.39	3.93	0.42	2.23	28
	A45SE003	SP300 DUAL	ASPHALT SEALCOATER, 320 GAL, 75 GPM, 108" WIDE DUAL SPRAY, SQUEEGEE, SELF PROPELLED	30 HP	D-off		$34,608	16.95	3.32	5.48	0.58	1.53	39
	A45SE004	TR-1000	ASPHALT SEALCOATER, 1000 GAL, 50 GPM, 88" WIDE SPRAY BAR, TRAILER MTD	13 HP	G		$17,815	9.04	1.67	2.74	0.30	1.45	52
B10	**BATCH PLANTS, ASPHALT & CONCRETE**												
	SUBCATEGORY 0.20		**CONCRETE**										
			CEMEN TECH										
	B10CC007	MCD2-50HT	BATCH PLANT, CONCRETE DISPENSER, 15 CY/HR MAX, W/TWO AGGREGATE BINS, 2 CY/ 1 CY CEMENT BIN/ 7' LONG SLOPING 8" DIA SCREW WET MIXER/DELIVERER/ 250 GAL WATER TANK/ & METERING PUMP, 2 CY LOAD, TRAILER MTD	18 HP	G		$31,555	13.67	2.03	3.06	0.50	2.01	80
	B10CC008	MCD5-100H	BATCH PLANT, CONCRETE DISPENSER, 30 CY/HR MAX, W/TWO AGGREGATE BINS, 5.5 CY/ 1.9 CY CEMENT BIN/ 9' LONG SLOPING 9" DIA SCREW WET MIXER/DELIVERER/ 250 GAL WATER TANK/ & METERING PUMP, 5 CY LOAD, TRUCK MTD	163 HP	G		$71,081	46.29	4.52	6.79	1.12	18.18	132
	B10CC009	MCD8-100H	BATCH PLANT, CONCRETE DISPENSER, 30 CY/HR MAX, W/TWO AGGREGATE BINS, 9.3 CY/ 3.1 CY CEMENT BIN/ 9' LONG SLOPING 12" DIA SCREW WET MIXER/DELIVERER/ 250 GAL WATER TANK/ & METERING PUMP, 8 CY LOAD, TRUCK MTD	200 HP	G		$95,885	58.51	6.04	9.05	1.51	22.30	194

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
B10			*CEMEN TECH (continued)*										
	B10CC010	MCD8-150H	BATCH PLANT, CONCRETE DISPENSER, 60 CY/HR MAX, W/TWO AGGREGATE BINS, 9.6 CY/ 3.1 CY CEMENT BIN/ 9' LONG SLOPING 12" DIA SCREW WET MIXER/DELIVERER/ 250 GAL WATER TANK/ & METERING PUMP, 8 CY LOAD, TRUCK MTD	200HP	G		$104,717	61.00	6.62	9.93	1.65	22.30	204
	B10CC012	210 BBL	BATCH PLANT, SILO, CEMENT, 830 CF, 210 BARREL (BATCH PLANT ATTACHMENT)	18HP	G		$19,509	8.43	1.29	1.95	0.31	2.01	35
	B10CC011	HS-240	BATCH PLANT, SILO, CEMENT, 38 TON HORIZONTAL 240 BARREL (BATCH PLANT ATTACHMENT)	20HP	E		$19,696	7.36	1.30	1.97	0.31	0.91	45
	B10CC013	300 BBL	BATCH PLANT, SILO, CEMENT, 1200 CF, 300 BARRL (BATCH PLANT ATTACHMENT)	18HP	G		$23,497	9.49	1.55	2.35	0.37	2.01	48
	B10CC014		BATCH PLANT, CEMENT LOADING AUGER, 6" DIA, 19' LONG (BATCH PLANT ATTACHMENT)	5HP	E		$6,123	2.40	0.41	0.61	0.10	0.23	10
			CON-E-CO										
	B10CL025	MTM 12	BATCH PLANT, CONCRETE MIXER, 12 CY, TILT DRUM, 11.67' DIA, REMOVABLE AXLES, TRAILER MTD (ADD DRY BATCH PLANT)	200HP	E		$247,651	76.32	16.20	24.58	3.91	9.10	130
	B10CL021	VERSA-PLANT 10	BATCH PLANT, CONCRETE AGGREGATE DRY, 40CY/HR, 10 CY AGGREGATE BATCHER, W/30" X 40' LOADING CONVEYOR, SCALES & WATER METER INCLUDED, TRAILER MTD (ADD 5 KW GENERATOR, WATER TANK & WET BATCHER)	35HP	E		$74,622	21.13	4.78	7.20	1.18	1.59	190
	B10CL015	PLP MODEL 12	BATCH PLANT, CONCRETE AGGREGATE DRY, 200 CY/HR, W/TWO AGGREGATE BINS, 81 TON, 60 CY/ 36"X20' CONVEYOR/ 3 BIN 12 CY AGGREGATE BATCHER/ 30"X33.5' LOADING CONVEYOR/ & 475 BARREL, 88 TON CEMENT SILO, TRAILER MTD (ADD 110 KW GENERATOR)	30HP	E		$140,567	39.87	9.02	13.59	2.22	1.37	380
	B10CL005	LO-PRO 10T-CM	BATCH PLANT, CONCRETE AGGREGATE DRY, 275 CY/HR, W/TWO AGGREGATE BINS, 65 TON, 50 CY/ 36"X20' CONVEYOR/ 10 CY AGGREGATE BATCHER/ 36"X36' LOADING CONVEYOR/ & 215 BARREL, 35 TON CEMENT SILO, TRAILER MTD (ADD 140 KW GENERATOR)	120HP	E		$166,164	52.01	10.68	16.12	2.62	5.46	410

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			REGION 2										
B10			*CON-E-CO (continued)*										
	B10CL006	LO-PRO 12T-CM	BATCH PLANT, CONCRETE AGGREGATE DRY, 275 CY/HR, W/TWO AGGREGATE BINS, 65 TON, 50 CY/ 36"X20' CONVEYOR/ 12 CY AGGREGATE BATCHER/ 36"X36' LOADING CONVEYOR/ & 215 BARREL, 35 TON CEMENT SILO, TRAILER MTD (ADD 140 KW GENERATOR)	120HP	E		$201,331	60.92	13.00	19.64	3.18	5.46	426
	B10CL027		BATCH PLANT, CEMENT SILO, 1910 CF, 475 BARREL (BATCH PLANT ATTACHMENT)				$17,387	4.40	1.14	1.74	0.27	0.00	144
	B10CL042		BATCH PLANT, SCREW CONVEYOR, 6" DIA, 10' LONG (CEMENT SILO ATTACHMENT)	5HP	E		$2,839	1.06	0.18	0.28	0.04	0.23	5
	B10CL045		BATCH PLANT, SCREW CONVEYOR, 6" DIA, 20' LONG (CEMENT SILO ATTACHMENT)	10HP	E		$3,584	1.60	0.24	0.36	0.06	0.46	11
	B10CL036		BATCH PLANT, SCREW CONVEYOR, 9" DIA, 10' LONG (CEMENT SILO ATTACHMENT)	8HP	E		$3,068	1.32	0.21	0.31	0.05	0.36	9
	B10CL040		BATCH PLANT, SCREW CONVEYOR, 9" DIA, 20' LONG (CEMENT SILO ATTACHMENT)	20HP	E		$4,205	2.44	0.28	0.42	0.07	0.91	16
	B10CL032		BATCH PLANT, SCREW CONVEYOR, 12" DIA, 10' LONG (CEMENT SILO ATTACHMENT)	10HP	E		$3,679	1.63	0.25	0.37	0.06	0.46	10
	B10CL034		BATCH PLANT, SCREW CONVEYOR, 12" DIA, 20' LONG (CEMENT SILO ATTACHMENT)	20HP	E		$7,359	3.24	0.49	0.74	0.12	0.91	20
			EXCEL MACHINERY LTD.										
	B10EM001	EXCEL PORT-A-PUG	BATCH PLANT, CONCRETE CONTINUOUS PUGG MILL MIXER, 400 CY/HR MAX, W/12 CY AGGREGATE STORAGE BIN/ 48"X18' METERING CONVEYOR/ CEMENT SILO, 44 TON, 34.8 CY/ 30" X 37' CONVEYOR, TRAILER MTD (ADD 200 KW GENERATOR)	25HP	G		$363,080	97.70	23.45	35.44	5.73	2.79	590
	B10EM002		BATCH PLANT, CEMENT SILO, 45 TON HORIZONTAL 300 BARREL (BATCH PLANT ATTACHMENT)	10HP	E		$22,336	7.17	1.33	1.95	0.35	0.46	45
	B10EM003		BATCH PLANT, CEMENT SILO, 2200 CF (BARREL CAP 550 MAX / 450 MIN) W/DRIVE-THRU TYPE UNDERSTRUCTURE (BATCH PLANT ATTACHMENT)				$22,198	5.62	1.46	2.22	0.35	0.00	222

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		ENGINE HORSEPOWER - FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
			ROSS COMPANY										
	B10RC007	BANDIT 5	BATCH PLANT, CONCRETE AGGREGATE DRY, 100 CY/HR, W/TWO AGGREGATE BINS, 65 TON, 48 CY/ 36" X 20' CONVEYOR/ 2 BIN 5 CY BATCHER/ 30" X 33.5' LOADING CONVEYOR/ & 257 BARREL, 48 TON CEMENT SILO, TRAILER MTD (ADD 100 KW GENERATOR)	15HP	E		$118,129	33.23	7.60	11.48	1.86	0.68	3,000
	B10RC032	RUSTLER III	BATCH PLANT, CONCRETE AGGREGATE DRY, 160 CY/HR, W/TWO AGGREGATE BINS, 28 TON, 21 CY/ 2 BIN 12 CY BATCHER/ 30" X 33.5' LOADING CONVEYOR/ & 400 BARREL, 75 TON CEMENT SILO, TRAILER MTD (ADD 130 KW GENERATOR)	50HP	E		$188,027	55.16	12.07	18.20	2.97	2.28	536
	B10RC006	RUSTLER II	BATCH PLANT, CONCRETE AGGREGATE DRY, 160 CY/HR, W/3 AGGREGATE BINS, 71 TON, 52 CY/ 36" X 20' CONVEYOR/ 3 BIN 12 CY BATCHER/ 30" X 33.5' LOADING CONVEYOR/ 375 BARREL, 70 TON CEMENT SILO, TRAILER MTD (ADD 130KW GENERATOR)	46HP	E		$171,180	50.58	10.96	16.51	2.70	2.07	489
	B10RC008	BANDIT 12 BTR	BATCH PLANT, CONCRETE AGGREGATE DRY, 200 CY/HR, W/THREE AGGREGATE BINS, 65 TON, 48 CY/ 36" X 20' CONVEYOR/ 3 BIN 12 CY BATCHER/ 30" X 33.5' LOADING CONVEYOR/ & 720 BARREL, 134 TON CEMENT SILO, TRAILER MTD (ADD 100 KW GENERATOR)	30HP	E		$143,622	40.73	9.29	14.03	2.27	1.37	250
	B10RC027		BATCH PLANT, CONCRETE MIXER, 4.5 CY, TILT DRUM, SKID MTD (ADD DRY BATCH PLANT)	40HP	E		$132,435	38.27	8.71	13.24	2.09	1.82	34
	B10RC028		BATCH PLANT, CONCRETE MIXER, 6.0 CY, TILT DRUM, SKID MTD (ADD DRY BATCH PLANT)	60HP	E		$148,683	44.02	9.79	14.87	2.35	2.73	45
	B10RC029		BATCH PLANT, CONCRETE MIXER, 8.0 CY, TILT DRUM, SKID MTD (ADD DRY BATCH PLANT)	80HP	E		$167,929	50.51	11.05	16.79	2.65	3.64	60
	B10RC030		BATCH PLANT, CONCRETE MIXER, 10.0 CY, TILT DRUM, SKID MTD (ADD DRY BATCH PLANT)	100HP	E		$182,849	56.91	12.03	18.28	2.89	4.55	75
	B10RC031		BATCH PLANT, CONCRETE MIXER, 12.0 CY, TILT DRUM, SKID MTD (ADD DRY BATCH PLANT)	120HP	E		$192,914	61.08	12.69	19.29	3.04	5.46	90

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
B10			*ROSS COMPANY (continued)*										
	B10RC016	MOBILE MIXER	BATCH PLANT, CONCRETE MIXER, 4.5CY, TILT DRUM TYPE, REVOLVING LIFT STAND, TRAILER MTD (ADD DRY BATCH PLANT & POWER)	75HP	E		$211,733	63.87	13.63	20.57	3.34	3.41	420
			STEPHENS MANUFACTURING CO., INC.										
	B10SN031	DC-12	BATCH PLANT, CONCRETE AGGREGATE DRY, 100 CY/HR, W/2 BIN 12 CY BATCHER/ 24" X 41' LOADING CONVEYOR/ & 311 BARREL, 58 TON CEMENT SILO, TRAILER MTD (ADD 100 KW GENERATOR)	15HP	E		$42,370	12.71	2.48	3.61	0.67	0.68	340
	B10SN033	DC COLT	BATCH PLANT, CONCRETE AGGREGATE DRY, 100 CY/HR, W/2 BIN 12 CY BATCHER/ 30" X 33.5' LOADING CONVEYOR/ & 311 BARREL, 58 TON CEMENT SILO, TRAILER MTD (ADD 100 KW GENERATOR)	30HP	E		$85,288	24.77	5.30	7.90	1.35	1.37	340
	B10SN032	MUSTANG 5	BATCH PLANT, CONCRETE AGGREGATE DRY, 160 CY/HR, W/3 AGGREGATE STORAGE BINS, 29.6 TON, 40 CY/ 3 BIN 5 CY BATCHER/ 30" X 33.5' LOADING CONVEYOR/ & 251 BARREL, 47 TON CEMENT SILO, TRAILER MTD (ADD 115 KW GENERATOR)	30HP	E		$101,819	29.20	6.39	9.55	1.61	1.37	420
	B10SN034	STALLION	BATCH PLANT, CONCRETE AGGREGATE DRY, 160 CY/HR, W/3 AGGREGATE BIN STORAGE, 65 TON, 48 CY/ 2 BIN 10 CY BATCHER/ 30" X 33.5' LOADING CONVEYOR/ & 374 BARREL, 70 TON CEMENT SILO, TRAILER MTD (ADD 100 KW GENERATOR)	20HP	E		$98,575	27.42	6.17	9.22	1.56	0.91	360
	B10SN036	MUSTANG 10	BATCH PLANT, CONCRETE AGGREGATE DRY, 160 CY/HR, W/3 AGGREGATE BIN STORAGE, 75 TON, 55 CY/ 2 BIN 10 CY BATCHER/ 30" X 33.5' LOADING CONVEYOR/ & 351 BARREL, 65 TON CEMENT SILO, TRAILER MTD (ADD 115 KW GENERATOR)	45HP	E		$133,290	38.18	8.45	12.69	2.10	2.05	500
	B10SN035	THOROUGH-BRED	BATCH PLANT, CONCRETE AGGREGATE DRY, 180 CY/HR, W/4 AGGREGATE BIN STORAGE, 65 TON, 48 CY/ 2 BIN 12 CY BATCHER/ 30" X 33.5' LOADING CONVEYOR/ & 374 BARREL, 70 TON CEMENT SILO, TRAILER MTD (ADD 100 KW GENERATOR)	20HP	E		$108,641	30.12	6.83	10.23	1.71	0.91	300

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER		VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.30		**PUGMILL**											
			KOLBERG - PIONEER, INC											
	B10KB001	52 PORTABLE PUGMILL	BATCH PLANT, PUGMILL, CONTINUOUS MIXER, 48" DIA TWIN SHAFT X 6' LONG, W/9 CY FEEDER HOPPER/ 36" X 11.5' BELT FEEDER/ 30" X 27' CONVEYOR/ WATER OR ASPHALT PUMP & METER (ADD 95 KW GENERATOR & ANY MATERIAL FEEDS)	95 HP	E			$128,583	32.88	7.02	10.07	1.98	4.32	190
	B10KB002	52S PORTABLE PUGMILL	BATCH PLANT, PUGMILL, CONTINUOUS MIXER, 48" DIA TWIN SHAFT X 8' LONG, W/13 CY FEEDER HOPPER/ TWO - 36" X 11.5' BELT FEEDERS/ 2ND 11 CY FEEDER HOPPER/ 30" X 27' CONVEYOR/ WATER OR ASPHALT PUMP & METER (ADD 220 KW GENERATOR & ANY MATERIAL FEEDS)	220 HP	E			$230,071	62.31	12.64	18.17	3.55	10.01	230
B15	**BROOMS, STREET SWEEPERS & FLUSHERS**													
	SUBCATEGORY 0.00		**BROOMS, STREET SWEEPERS & FLUSHERS**											
			BROCE MANUFACTURING COMPANY											
	B15BM001	RJ-350	BROOM, 8' BROOM PATH,PAVEMENT, SELF PROPELLED	80 HP	D-off			$25,820	11.68	1.83	2.90	0.38	4.07	45
			ELGIN SWEEPER COMPANY											
	B15EC002	PELICAN P	STREET SWEEPER, 10' BROOM PATH, 3.5 CY HOPPER, 180 GAL WATER TANK, SELF PROPELLED	100 HP	D-off			$105,102	32.48	7.39	11.66	1.56	5.08	128
	B15EC001	EAGLE F	STREET SWEEPER, 10' BROOM PATH, 4.5 CY HOPPER, 280 GAL WATER TANK, DUAL ENGINE, SELF PROPELLED	49 HP	D-off	170 HP	D-on	$148,031	42.51	10.38	16.37	2.19	4.64	150
			FIVE STAR MANUFACTURING CO/ELGIN SWEEPER											
	B15FS001	BROOM BEAR FL42H	STREET SWEEPER, 12' BROOM PATH, 4.5 CY HOPPER, 350 GAL WATER TANK, SELF PROPELLED	230 HP	D-off			$146,957	51.42	10.43	16.50	2.18	11.69	213

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			JOHNSTON SWEEPER COMPANY										
	B15JS002	J4000	STREET SWEEPER, 10.4' BROOM PATH, 5.6 CY HOPPER, 220 GAL WATER TANK, SELF PROPELLED	190HP	D-off		$142,950	47.86	10.03	15.81	2.12	9.66	150
			M-B COMPANIES, INC.										
	B15MB001	MT	STREET SWEEPER, 7' BROOM PATH, W/SPRINKLER AND 152 GAL WATER TANK, PTO DRIVE (ADD 45-100HP TRACTOR)				$6,332	1.64	0.45	0.71	0.09	0.00	10
	B15MB002	HT	STREET SWEEPER, 7' BROOM PATH, W/SPRINKLER AND 152 GAL WATER TANK, PTO DRIVE (ADD 45-100HP TRACTOR)				$8,129	2.13	0.58	0.91	0.12	0.00	12
	B15MB003	53T	STREET SWEEPER, 7' BROOM PATH, W/SPRINKLER AND 152 GAL WATER TANK, TOWED, HYDRAULIC (ADD TOWING UNIT)				$11,660	3.10	0.82	1.29	0.17	0.00	18
	B15MB004	53MH	STREET SWEEPER, 7' BROOM PATH, W/SPRINKLER AND 152 GAL WATER TANK, TOWED (ADD TOWING UNIT)	18HP	G		$13,492	5.86	0.95	1.49	0.20	2.01	17
			ROSCO MANUFACTURING CO.										
	B15RS005	CHALLENGER II	STREET SWEEPER, 7' BROOM PATH, 125 GAL WATER TANK, SELF PROPELLED	80HP	D-off		$41,357	15.50	2.93	4.63	0.61	4.07	75
	B15RS001	RB-48	STREET SWEEPER, 8' BROOM PATH, 150 GAL WATER TANK, SELF PROPELLED	85HP	D-off		$32,373	13.63	2.28	3.60	0.48	4.32	52
			TERRAMITE CONSTRUCTION EQUIPMENT										
	B15TB001	TSS36	STREET SWEEPER, 6' BROOM PATH, 2 - 50 GAL WATER TANKS, SELF PROPELLED	37HP	D-off		$20,422	7.49	1.44	2.27	0.30	1.88	34
	B15TB002	TSS38	STREET SWEEPER, 8' BROOM PATH, W/SPRINKLER AND 180 GAL WATER TANK, SELF PROPELLED	45HP	D-off		$20,568	8.07	1.45	2.29	0.30	2.29	34
			WALDON, INC.										
	B15WD001	SWEEPMASTER 250	BROOM, 7.5' BROOM PATH, PAVEMENT, SELF PROPELLED	80HP	D-off		$24,841	11.47	1.75	2.76	0.37	4.07	48

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
B15			*WALDON, INC. (continued)*										
	B15WD002	SWEEPMASTER 250	BROOM, 90" BROOM PATH, PAVEMENT, W/SPRINKLER AND 180 GAL WATER TANK, SELF PROPELLED	80HP	D-off		$26,138	11.78	1.84	2.90	0.39	4.07	48
B20	BRUSH CHIPPERS												
	SUBCATEGORY 0.00		**BRUSH CHIPPERS**										
			BANDIT INDUSTRIES, INC.										
	B20BN001	65	BRUSH CHIPPER, 6" CAPACITY, DISC TYPE, TRAILER MTD	25HP	G		$9,258	6.20	0.66	1.03	0.14	2.79	20
	B20BN002	90W-XP	BRUSH CHIPPER, 9" CAPACITY, DISC TYPE, TRAILER MTD	37HP	G		$14,734	9.45	1.04	1.63	0.22	4.13	32
	B20BN003	200XP	BRUSH CHIPPER, 12" CAPACITY, DISC TYPE, TRAILER MTD	71HP	G		$18,450	15.58	1.30	2.05	0.27	7.92	58
	B20BN004	254	BRUSH CHIPPER, 14" CAPACITY, DISC TYPE, TRAILER MTD	125HP	D-off		$28,094	15.67	1.99	3.13	0.42	6.36	78
	B20BN005	1290	BRUSH CHIPPER, 12" CAPACITY, DRUM TYPE, TRAILER MTD	70HP	G		$15,955	14.78	1.12	1.76	0.24	7.81	44
	B20BN006	1690	BRUSH CHIPPER, 16" CAPACITY, DRUM TYPE, TRAILER MTD	119HP	G		$17,741	22.68	1.25	1.97	0.26	13.27	44
	B20BN007	1890	BRUSH CHIPPER, 18" CAPACITY, DRUM TYPE, TRAILER MTD	125HP	D-off		$32,388	16.77	2.24	3.51	0.48	6.36	78
			MORBARK, INC.										
	B20MQ001	2070XL	BRUSH CHIPPER, 10" CAPACITY, DRUM TYPE, TRAILER MTD	86HP	D-off		$18,157	10.46	1.28	2.02	0.27	4.37	40
	B20MQ003	13	BRUSH CHIPPER, 13" CAPACITY, DRUM TYPE, TRAILER MTD	125HP	D-off		$25,150	14.91	1.77	2.80	0.37	6.36	68
	B20MQ004	2400XL	BRUSH CHIPPER, 18" CAPACITY, DRUM TYPE, TRAILER MTD	125HP	D-off		$29,258	15.96	2.04	3.21	0.43	6.36	94
	B20MQ005	22 RXL	BRUSH CHIPPER, LOG CHIPPER, 22" CAPACITY, DISC TYPE, TRAILER MTD	650HP	D-off		$325,207	129.41	22.93	36.22	4.82	33.05	700

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
B25	BUCKETS, CLAMSHELL											
	SUBCATEGORY 0.00		**BUCKETS, CLAMSHELL**									
			HAWCO MANUFACTURING COMPANY, LLC									
	B25HB001	HD-050	BUCKET, CLAMSHELL, 0.50 CY, HEAVY DUTY/DIGGING			$15,619	3.59	1.11	1.76	0.23	0.00	30
	B25HB003	HD-100	BUCKET, CLAMSHELL, 1.00 CY, HEAVY DUTY/DIGGING			$25,095	5.75	1.78	2.82	0.37	0.00	48
	B25HB005	HD-150	BUCKET, CLAMSHELL, 1.50 CY, HEAVY DUTY/DIGGING			$32,554	7.46	2.31	3.66	0.48	0.00	66
	B25HB007	HD-200	BUCKET, CLAMSHELL, 2.00 CY, HEAVY DUTY/DIGGING			$38,429	8.81	2.73	4.32	0.57	0.00	78
	B25HB008	HD-250	BUCKET, CLAMSHELL, 2.50 CY, HEAVY DUTY/DIGGING			$44,793	10.27	3.18	5.04	0.66	0.00	91
	B25HB009	HD-300	BUCKET, CLAMSHELL, 3.00 CY, HEAVY DUTY/DIGGING			$49,314	11.32	3.51	5.55	0.73	0.00	103
	B25HB010	HD-350	BUCKET, CLAMSHELL, 3.50 CY, HEAVY DUTY/DIGGING			$51,668	11.86	3.68	5.81	0.77	0.00	131
	B25HB011	HD-400	BUCKET, CLAMSHELL, 4.00 CY, HEAVY DUTY/DIGGING			$52,943	12.15	3.76	5.96	0.78	0.00	145
	B25HB012	HD-450	BUCKET, CLAMSHELL, 4.50 CY, HEAVY DUTY/DIGGING			$55,867	12.83	3.98	6.29	0.83	0.00	165
	B25HB013	HD-500	BUCKET, CLAMSHELL, 5.00 CY, HEAVY DUTY/DIGGING			$57,667	13.23	4.10	6.49	0.85	0.00	173
	B25HB014	HD-550	BUCKET, CLAMSHELL, 5.50 CY, HEAVY DUTY/DIGGING			$60,276	13.83	4.28	6.78	0.89	0.00	178
	B25HB015	HD-600	BUCKET, CLAMSHELL, 6.00 CY, HEAVY DUTY/DIGGING			$62,280	14.29	4.43	7.01	0.92	0.00	199
			NO SPECIFIC MANUFACTURER									
	B25XX001	1/4SSN	BUCKET, CLAMSHELL, 0.20 CY, SQUARE NOSE, STANDARD			$7,053	1.61	0.50	0.79	0.10	0.00	14
	B25XX002	1/2SSN	BUCKET, CLAMSHELL, 0.50 CY, SQUARE NOSE, STANDARD			$10,378	2.38	0.74	1.17	0.15	0.00	27
	B25XX003	3/4SSN	BUCKET, CLAMSHELL, 0.70 CY, SQUARE NOSE, STANDARD			$12,776	2.93	0.91	1.44	0.19	0.00	35

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
B25			*NO SPECIFIC MANUFACTURER (continued)*									
	B25XX004	1SSN	BUCKET, CLAMSHELL, 1.00 CY, SQUARE NOSE, STANDARD			$13,938	3.20	1.00	1.57	0.21	0.00	43
	B25XX005	1-1/4SSN	BUCKET, CLAMSHELL, 1.20 CY, SQUARE NOSE, STANDARD			$16,250	3.73	1.16	1.83	0.24	0.00	49
	B25XX006	1-1/2SSN	BUCKET, CLAMSHELL, 1.50 CY, SQUARE NOSE, STANDARD			$18,186	4.18	1.30	2.05	0.27	0.00	64
	B25XX007	1-3/4SSN	BUCKET, CLAMSHELL, 1.70 CY, SQUARE NOSE, STANDARD			$19,437	4.47	1.39	2.19	0.29	0.00	67
	B25XX008	2SSN	BUCKET, CLAMSHELL, 2.00 CY, SQUARE NOSE, STANDARD			$22,740	5.22	1.62	2.56	0.34	0.00	76
	B25XX009	2-1/2SSN	BUCKET, CLAMSHELL, 2.50 CY, SQUARE NOSE, STANDARD			$23,741	5.44	1.69	2.67	0.35	0.00	92
	B25XX010	3SSN	BUCKET, CLAMSHELL, 3.00 CY, SQUARE NOSE, STANDARD			$25,284	5.79	1.79	2.84	0.37	0.00	98
	B25XX011	3-1/2SSN	BUCKET, CLAMSHELL, 3.50 CY, SQUARE NOSE, STANDARD			$26,438	6.06	1.88	2.97	0.39	0.00	108
	B25XX012	4SSN	BUCKET, CLAMSHELL, 4.00 CY, SQUARE NOSE, STANDARD			$29,550	6.78	2.10	3.32	0.44	0.00	119
	B25XX013	4-1/2SSN	BUCKET, CLAMSHELL, 4.50 CY, SQUARE NOSE, STANDARD			$39,947	9.16	2.84	4.49	0.59	0.00	145
	B25XX014	5SSN	BUCKET, CLAMSHELL, 5.00 CY, SQUARE NOSE, STANDARD			$42,641	9.78	3.03	4.80	0.63	0.00	154
	B25XX015	5-1/2SSN	BUCKET, CLAMSHELL, 5.50 CY, SQUARE NOSE, STANDARD			$51,853	11.90	3.69	5.83	0.77	0.00	158
	B25XX016	6SSN	BUCKET, CLAMSHELL, 6.00 CY, SQUARE NOSE, STANDARD			$52,207	11.97	3.71	5.87	0.77	0.00	166
	B25XX017	6-1/2SSN	BUCKET, CLAMSHELL, 6.50 CY, SQUARE NOSE, STANDARD			$56,401	12.95	4.02	6.35	0.84	0.00	177
	B25XX018	7SSN	BUCKET, CLAMSHELL, 7.00 CY, SQUARE NOSE, STANDARD			$53,318	12.24	3.79	6.00	0.79	0.00	185
	B25XX019	7-1/2SSN	BUCKET, CLAMSHELL, 7.50 CY, SQUARE NOSE, STANDARD			$59,839	13.73	4.26	6.73	0.89	0.00	192

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
B30	BUCKETS, CONCRETE											
	SUBCATEGORY 0.10		**GENERAL PURPOSE, MANUAL TRIP**									
			GAR-BRO MANUFACTURING COMPANY									
	B30GB001	433-G	BUCKET, CONCRETE, GENERAL PURPOSE, 1.0 CY			$3,007	0.71	0.22	0.36	0.04	0.00	6
	B30GB002	442-G	BUCKET, CONCRETE, GENERAL PURPOSE, 1.5 CY			$3,937	0.93	0.30	0.47	0.06	0.00	8
	B30GB003	462-G	BUCKET, CONCRETE, GENERAL PURPOSE, 2.0 CY			$4,856	1.15	0.36	0.58	0.07	0.00	10
	B30GB004	493-G	BUCKET, CONCRETE, GENERAL PURPOSE, 3.0 CY			$7,044	1.66	0.52	0.84	0.10	0.00	14
	B30GB005	4123-G	BUCKET, CONCRETE, GENERAL PURPOSE, 4.0 CY			$8,386	1.98	0.62	1.00	0.12	0.00	18
	SUBCATEGORY 0.20		**LAYDOWN**									
			GAR-BRO MANUFACTURING COMPANY									
	B30GB006	425-A	BUCKET, CONCRETE, LAYDOWN, 1.0 CY, HEAVY DUTY AIR GATE			$15,569	3.77	1.15	1.85	0.22	0.00	26
	B30GB007	465-A	BUCKET, CONCRETE, LAYDOWN, 2.0 CY, HEAVY DUTY AIR GATE			$16,742	4.06	1.24	1.99	0.24	0.00	32
	B30GB008	495-A	BUCKET, CONCRETE, LAYDOWN, 3.0 CY, HEAVY DUTY AIR GATE			$18,610	4.52	1.38	2.21	0.27	0.00	40
	B30GB009	4125-A	BUCKET, CONCRETE, LAYDOWN, 4.0 CY, HEAVY DUTY AIR GATE			$21,164	5.13	1.56	2.51	0.30	0.00	51
	B30GB010	4155-A	BUCKET, CONCRETE, LAYDOWN, 5.0 CY, HEAVY DUTY AIR GATE			$26,062	6.31	1.92	3.09	0.37	0.00	73
	SUBCATEGORY 0.30		**LOWBOY**									
			CAMLEVER									
	B30CR001	LB-375	BUCKET, CONCRETE, LOWBOY, 0.38 CY, AIR GATE			$4,060	1.01	0.30	0.48	0.06	0.00	2
	B30CR002	LB-050	BUCKET, CONCRETE, LOWBOY, 0.5 CY, AIR GATE			$4,355	1.09	0.32	0.52	0.06	0.00	2

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
B30			*CAMLEVER (continued)*									
	B30CR003	LB-075	BUCKET, CONCRETE, LOWBOY, 0.75 CY, AIR GATE			$4,690	1.18	0.35	0.56	0.07	0.00	3
	B30CR004	LB-100	BUCKET, CONCRETE, LOWBOY, 1.0 CY, AIR GATE			$4,823	1.20	0.36	0.57	0.07	0.00	5
	B30CR005	LB-150	BUCKET, CONCRETE, LOWBOY, 1.5 CY, AIR GATE			$5,678	1.41	0.42	0.67	0.08	0.00	6
	B30CR009	LXB-150	BUCKET, CONCRETE, LOWBOY, 1.5 CY, AIR GATE			$5,978	1.50	0.45	0.71	0.09	0.00	6
	B30CR006	LB-200	BUCKET, CONCRETE, LOWBOY, 2.0 CY, AIR GATE			$6,665	1.67	0.50	0.79	0.10	0.00	8
	B30CR010	LXB-200	BUCKET, CONCRETE, LOWBOY, 2.0 CY, AIR GATE			$6,987	1.75	0.52	0.83	0.10	0.00	6
	B30CR011	LXB-300	BUCKET, CONCRETE, LOWBOY, 3.0 CY, AIR GATE			$8,296	2.08	0.62	0.99	0.12	0.00	6
	B30CR012	LXB-400	BUCKET, CONCRETE, LOWBOY, 4.0 CY, AIR GATE			$9,594	2.40	0.71	1.14	0.14	0.00	6
	SUBCATEGORY 0.40		**LOW SLUMP**									
			GAR-BRO MANUFACTURING COMPANY									
	B30GB011	440-A	BUCKET, CONCRETE, LOW SLUMP, 1.0 CY, AIR GATE			$12,325	3.08	0.91	1.46	0.18	0.00	20
	B30GB012	450-A	BUCKET, CONCRETE, LOW SLUMP, 1.5 CY, AIR GATE			$12,782	3.19	0.94	1.52	0.18	0.00	21
	B30GB013	460-A	BUCKET, CONCRETE, LOW SLUMP, 2.0 CY, AIR GATE			$13,228	3.30	0.98	1.57	0.19	0.00	24
	B30GB014	493-A	BUCKET, CONCRETE, LOW SLUMP, 3.0 CY, AIR GATE			$17,193	4.30	1.27	2.04	0.25	0.00	49
	B30GB015	4139-A	BUCKET, CONCRETE, LOW SLUMP, 4.0 CY, AIR GATE			$17,800	4.45	1.32	2.11	0.26	0.00	52
	B30GB016	4200-A	BUCKET, CONCRETE, LOW SLUMP, 6.0 CY, AIR GATE			$25,551	6.38	1.89	3.03	0.37	0.00	78
	B30GB017	4250-A	BUCKET, CONCRETE, LOW SLUMP, 8.0 CY, AIR GATE			$30,783	7.69	2.27	3.66	0.44	0.00	90

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
B35	BUCKETS, DRAGLINE											
	SUBCATEGORY 0.10		**LIGHT WEIGHT**									
			HENDRIX MANUFACTURING COMPANY, INC.									
	B35HE001	LS	BUCKET, DRAGLINE, 0.75 CY, LIGHT WEIGHT/PERFORATED			$5,076	1.17	0.37	0.57	0.08	0.00	15
	B35HE002	LS	BUCKET, DRAGLINE, 1.0 CY, LIGHT WEIGHT/PERFORATED			$6,016	1.38	0.43	0.68	0.09	0.00	18
	B35HE003	LS	BUCKET, DRAGLINE, 1.5 CY, LIGHT WEIGHT/PERFORATED			$7,929	1.82	0.57	0.89	0.12	0.00	26
	B35HE004	LS	BUCKET, DRAGLINE, 2.0 CY, LIGHT WEIGHT/PERFORATED			$9,341	2.14	0.67	1.05	0.14	0.00	32
	B35HE005	LS	BUCKET, DRAGLINE, 2.5 CY, LIGHT WEIGHT/PERFORATED			$10,985	2.52	0.78	1.24	0.16	0.00	37
	B35HE006	LS	BUCKET, DRAGLINE, 3.0 CY, LIGHT WEIGHT/PERFORATED			$13,542	3.10	0.96	1.52	0.20	0.00	46
	B35HE007	LS	BUCKET, DRAGLINE, 3.5 CY, LIGHT WEIGHT/PERFORATED			$14,969	3.43	1.06	1.68	0.22	0.00	50
	B35HE008	LS	BUCKET, DRAGLINE, 4.0 CY, LIGHT WEIGHT/PERFORATED			$18,209	4.18	1.30	2.05	0.27	0.00	65
	B35HE009	LS	BUCKET, DRAGLINE, 4.5 CY, LIGHT WEIGHT/PERFORATED			$19,336	4.44	1.38	2.18	0.29	0.00	69
	B35HE010	LS	BUCKET, DRAGLINE, 5.0 CY, LIGHT WEIGHT/PERFORATED			$23,317	5.35	1.66	2.62	0.35	0.00	85
	B35HE011	LS	BUCKET, DRAGLINE, 6.0 CY, LIGHT WEIGHT/PERFORATED			$25,295	5.80	1.80	2.85	0.37	0.00	92
	B35HE012	LS	BUCKET, DRAGLINE, 7.0 CY, LIGHT WEIGHT/PERFORATED			$27,619	6.34	1.97	3.11	0.41	0.00	101
	B35HE013	LS	BUCKET, DRAGLINE, 8.0 CY, LIGHT WEIGHT/PERFORATED			$30,626	7.03	2.18	3.45	0.45	0.00	112
	B35HE014	LS	BUCKET, DRAGLINE, 9.0 CY, LIGHT WEIGHT/PERFORATED			$35,385	8.11	2.51	3.98	0.52	0.00	128
	B35HE015	LS	BUCKET, DRAGLINE, 10.0 CY, LIGHT WEIGHT/PERFORATED			$38,451	8.83	2.74	4.33	0.57	0.00	139
	B35HE016	LS	BUCKET, DRAGLINE, 12.0 CY, LIGHT WEIGHT/PERFORATED			$47,325	10.85	3.36	5.32	0.70	0.00	166

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
B35			*HENDRIX MANUFACTURING COMPANY, INC. (continued)*									
	B35HE017	LS	BUCKET, DRAGLINE, 14.0 CY, LIGHT WEIGHT/PERFORATED			$54,397	12.49	3.87	6.12	0.81	0.00	191
			SAUERMAN									
	B35SA001	SC-1050-K	BUCKET, DRAGLINE, 1.0 CY, CRESCENT			$16,312	3.75	1.16	1.84	0.24	0.00	15
	B35SA003	SC-1070-K	BUCKET, DRAGLINE, 2.0 CY, CRESCENT			$24,422	5.60	1.74	2.75	0.36	0.00	25
	B35SA004	SC-1090-K	BUCKET, DRAGLINE, 3.0 CY, CRESCENT			$33,467	7.69	2.39	3.77	0.50	0.00	36
	B35SA005	SC-1100-K	BUCKET, DRAGLINE, 4.0 CY, CRESCENT			$41,895	9.61	2.98	4.71	0.62	0.00	49
	B35SA006	SC-1110-K	BUCKET, DRAGLINE, 5.0 CY, CRESCENT			$49,381	11.33	3.51	5.56	0.73	0.00	58
	B35SA007	SC-1120-K	BUCKET, DRAGLINE, 6.0 CY, CRESCENT			$55,521	12.74	3.95	6.25	0.82	0.00	68
	B35SA008	SC-1130-K	BUCKET, DRAGLINE, 8.0 CY, CRESCENT			$65,415	15.01	4.65	7.36	0.97	0.00	88
	B35SA009	SC-1140-K	BUCKET, DRAGLINE, 10.0 CY,CRESCENT			$83,083	19.06	5.91	9.35	1.23	0.00	106
	B35SA010	SC-1150-K	BUCKET, DRAGLINE, 12.0 CY,CRESCENT			$101,390	23.26	7.21	11.41	1.50	0.00	132
			NO SPECIFIC MANUFACTURER									
	B35XX001	6-1/2L	BUCKET, DRAGLINE, 6.5 CY, LIGHT WEIGHT			$24,988	5.73	1.78	2.81	0.37	0.00	94
	B35XX002	7-1/2L	BUCKET, DRAGLINE, 7.5 CY, LIGHT WEIGHT			$28,097	6.45	2.00	3.16	0.42	0.00	106
	B35XX003	8-1/2L	BUCKET, DRAGLINE, 8.5 CY, LIGHT WEIGHT			$31,082	7.13	2.21	3.50	0.46	0.00	116
	B35XX004	9-1/2L	BUCKET, DRAGLINE, 9.5 CY, LIGHT WEIGHT			$35,451	8.14	2.53	3.99	0.53	0.00	132
	B35XX005	11L	BUCKET, DRAGLINE, 11.0 CY, LIGHT WEIGHT			$39,805	9.14	2.83	4.48	0.59	0.00	148
	B35XX006	13L	BUCKET, DRAGLINE, 13.0 CY, LIGHT WEIGHT			$49,017	11.25	3.49	5.51	0.73	0.00	178
	SUBCATEGORY 0.20		**MEDIUM WEIGHT**									
			HENDRIX MANUFACTURING COMPANY, INC.									
	B35HE018	TS	BUCKET, DRAGLINE, 0.75 CY, MEDIUM WEIGHT			$5,819	1.20	0.38	0.58	0.09	0.00	17
	B35HE019	TS	BUCKET, DRAGLINE, 1.0 CY, MEDIUM WEIGHT			$6,699	1.38	0.44	0.67	0.10	0.00	19

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
B35			*HENDRIX MANUFACTURING COMPANY, INC. (continued)*									
	B35HE020	TS	BUCKET, DRAGLINE, 1.5 CY, MEDIUM WEIGHT			$9,080	1.86	0.59	0.91	0.13	0.00	28
	B35HE021	TS	BUCKET, DRAGLINE, 2.0 CY, MEDIUM WEIGHT			$10,789	2.22	0.70	1.08	0.16	0.00	36
	B35HE022	TS	BUCKET, DRAGLINE, 2.5 CY, MEDIUM WEIGHT			$12,646	2.59	0.81	1.26	0.18	0.00	41
	B35HE023	TS	BUCKET, DRAGLINE, 3.0 CY, MEDIUM WEIGHT			$14,880	3.06	0.97	1.49	0.22	0.00	49
	B35HE024	TS	BUCKET, DRAGLINE, 3.5 CY, MEDIUM WEIGHT			$16,436	3.37	1.06	1.64	0.24	0.00	54
	B35HE025	TS	BUCKET, DRAGLINE, 4.0 CY, MEDIUM WEIGHT			$19,678	4.05	1.28	1.97	0.29	0.00	70
	B35HE026	TS	BUCKET, DRAGLINE, 4.5 CY, MEDIUM WEIGHT			$21,072	4.33	1.37	2.11	0.31	0.00	72
	B35HE027	TS	BUCKET, DRAGLINE, 5.0 CY, MEDIUM WEIGHT			$26,998	5.54	1.74	2.70	0.39	0.00	93
	B35HE028	TS	BUCKET, DRAGLINE, 6.0 CY, MEDIUM WEIGHT			$27,889	5.73	1.81	2.79	0.41	0.00	96
	B35HE029	TS	BUCKET, DRAGLINE, 7.0 CY, MEDIUM WEIGHT			$31,829	6.53	2.05	3.18	0.46	0.00	111
	B35HE030	TS	BUCKET, DRAGLINE, 8.0 CY, MEDIUM WEIGHT			$35,041	7.19	2.26	3.50	0.51	0.00	122
	B35HE031	TS	BUCKET, DRAGLINE, 9.0 CY, MEDIUM WEIGHT			$41,913	8.60	2.71	4.19	0.61	0.00	149
	B35HE032	TS	BUCKET, DRAGLINE, 10.0 CY, MEDIUM WEIGHT			$44,637	9.16	2.88	4.46	0.65	0.00	159
	B35HE033	TS	BUCKET, DRAGLINE, 12.0 CY, MEDIUM WEIGHT			$57,638	11.83	3.72	5.76	0.84	0.00	202
	B35HE034	TS	BUCKET, DRAGLINE, 14.0 CY, MEDIUM WEIGHT			$64,200	13.19	4.15	6.42	0.94	0.00	225
			NO SPECIFIC MANUFACTURER									
	B35XX007	6-1/2M	BUCKET, DRAGLINE, 6.5 CY, MEDIUM WEIGHT			$28,307	5.81	1.83	2.83	0.41	0.00	101
	B35XX008	7-1/2M	BUCKET, DRAGLINE, 7.5 CY, MEDIUM WEIGHT			$32,346	6.64	2.09	3.23	0.47	0.00	117
	B35XX009	8-1/2M	BUCKET, DRAGLINE, 8.5 CY, MEDIUM WEIGHT			$34,829	7.15	2.25	3.48	0.51	0.00	126

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
B35			*NO SPECIFIC MANUFACTURER (continued)*									
	B35XX010	9-1/2M	BUCKET, DRAGLINE, 9.5 CY, MEDIUM WEIGHT			$41,411	8.50	2.67	4.14	0.60	0.00	152
	B35XX011	11M	BUCKET, DRAGLINE, 11.0 CY, MEDIUM WEIGHT			$45,782	9.41	2.96	4.58	0.67	0.00	169
	B35XX012	13M	BUCKET, DRAGLINE, 13.0 CY, MEDIUM WEIGHT			$58,057	11.93	3.76	5.81	0.85	0.00	211
	SUBCATEGORY 0.30		**HEAVY WEIGHT**									
			HENDRIX MANUFACTURING COMPANY, INC.									
	B35HE035	MH-S	BUCKET, DRAGLINE, 2.75 CY, HEAVY WEIGHT			$21,863	4.08	1.31	1.97	0.32	0.00	69
	B35HE036	MH-S	BUCKET, DRAGLINE, 3.0 CY, HEAVY WEIGHT			$22,812	4.24	1.36	2.05	0.33	0.00	72
	B35HE037	MH-S	BUCKET, DRAGLINE, 3.5 CY, HEAVY WEIGHT			$25,660	4.78	1.53	2.31	0.37	0.00	81
	B35HE038	MH-S	BUCKET, DRAGLINE, 4.0 CY, HEAVY WEIGHT			$34,849	6.49	2.07	3.14	0.50	0.00	110
	B35HE039	MH-S	BUCKET, DRAGLINE, 4.5 CY, HEAVY WEIGHT			$38,969	7.25	2.32	3.51	0.56	0.00	123
	B35HE040	MH-S	BUCKET, DRAGLINE, 5.0 CY, HEAVY WEIGHT			$40,232	7.49	2.39	3.62	0.58	0.00	127
	B35HE041	MH-S	BUCKET, DRAGLINE, 6.0 CY, HEAVY WEIGHT			$43,090	8.02	2.56	3.88	0.62	0.00	136
	B35HE042	MH-S	BUCKET, DRAGLINE, 7.0 CY, HEAVY WEIGHT			$54,517	10.15	3.25	4.91	0.79	0.00	175
	B35HE043	MH-S	BUCKET, DRAGLINE, 8.0 CY, HEAVY WEIGHT			$56,073	10.44	3.34	5.05	0.81	0.00	180
	B35HE044	MH-S	BUCKET, DRAGLINE, 9.0 CY, HEAVY WEIGHT			$71,266	13.26	4.24	6.41	1.03	0.00	234
	B35HE045	MH-S	BUCKET, DRAGLINE, 10.0 CY, HEAVY WEIGHT			$74,031	13.78	4.40	6.66	1.07	0.00	243
	B35HE046	MH-S	BUCKET, DRAGLINE, 12.0 CY, HEAVY WEIGHT			$88,044	16.38	5.23	7.92	1.27	0.00	289
	B35HE047	MH-S	BUCKET, DRAGLINE, 14.0 CY, HEAVY WEIGHT			$94,352	17.56	5.61	8.49	1.36	0.00	309

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			NO SPECIFIC MANUFACTURER									
	B35XX013	3/4H	BUCKET, DRAGLINE, 0.75 CY, HEAVY WEIGHT			$7,202	1.34	0.43	0.65	0.10	0.00	20
	B35XX014	1H	BUCKET, DRAGLINE, 1.0 CY, HEAVY WEIGHT			$8,084	1.51	0.49	0.73	0.12	0.00	23
	B35XX015	1-1/2H	BUCKET, DRAGLINE, 1.5 CY, HEAVY WEIGHT			$12,012	2.23	0.71	1.08	0.17	0.00	35
	B35XX016	2H	BUCKET, DRAGLINE, 2.0 CY, HEAVY WEIGHT			$13,688	2.55	0.82	1.23	0.20	0.00	42
	B35XX017	2-1/2H	BUCKET, DRAGLINE, 2.5 CY, HEAVY WEIGHT			$14,927	2.78	0.89	1.34	0.22	0.00	48
	B35XX018	5-1/2H	BUCKET, DRAGLINE, 5.5 CY, HEAVY WEIGHT			$31,791	5.92	1.89	2.86	0.46	0.00	113
	B35XX019	6-1/2H	BUCKET, DRAGLINE, 6.5 CY, HEAVY WEIGHT			$33,889	6.31	2.02	3.05	0.49	0.00	125
	B35XX020	7-1/2H	BUCKET, DRAGLINE, 7.5 CY, HEAVY WEIGHT			$38,312	7.13	2.28	3.45	0.55	0.00	135
	B35XX021	8-1/2H	BUCKET, DRAGLINE, 8.5 CY, HEAVY WEIGHT			$41,571	7.74	2.47	3.74	0.60	0.00	159
	B35XX022	9-1/2H	BUCKET, DRAGLINE, 9.5 CY, HEAVY WEIGHT			$52,688	9.80	3.13	4.74	0.76	0.00	181
	B35XX023	11H	BUCKET, DRAGLINE, 11.0 CY, HEAVY WEIGHT			$56,405	10.50	3.35	5.08	0.81	0.00	198
C05	CHAIN SAWS											
	SUBCATEGORY 0.00		**CHAIN SAWS**									
			OLYMPYK CHAIN SAWS									
	C05OL001	941	CHAIN SAW, 16"-18" BAR	2HP G		$279	1.03	0.08	0.13	0.01	0.35	1
	C05OL002	962	CHAIN SAW, 16"-24" BAR	5HP G		$447	1.85	0.11	0.20	0.01	0.72	1
	C05OL003	970	CHAIN SAW, 16"-36" BAR	5HP G		$546	2.15	0.14	0.25	0.01	0.80	1
	C05OL004	980	CHAIN SAW, 16"-42" BAR	6HP G		$596	2.35	0.15	0.27	0.01	0.87	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C10	COMPACTORS, WALK-BEHIND OR REMOTE CONTROLLER												
	SUBCATEGORY 0.10		**COMPACTORS, RAMMERS / TAMPERS & VIBRATORY PLATES**										
			COMPACTION AMERICA										
	C10BO001	BT 50	COMPACTOR, RAMMER, TAMPER, 9" X 13.8" SHOE, 2630 LBS IMPACT	3HP	G		$3,218	2.54	0.43	0.76	0.05	0.46	1
	C10BO003	BP 10/36-2	COMPACTOR, VIBROPLATE, 14.2" X 21.5" PLATE, 2250 LBS IMPACT	4HP	G		$2,221	2.13	0.31	0.53	0.04	0.61	2
	C10BO004	BP 18/45-2	COMPACTOR, VIBROPLATE, 17.7" X 21.5" PLATE, 4050 LBS IMPACT	6HP	G		$2,491	2.68	0.34	0.59	0.04	0.92	2
	C10BO007	BPR 30/38D-3	COMPACTOR, VIBROPLATE, 22.8" X 31.1" PLATE, REVERSIBLE, 7200 LBS IMPACT	5HP	D-off		$8,700	5.73	1.18	2.07	0.14	0.35	5
	C10BO008	BPR 50/52D-3	COMPACTOR, VIBROPLATE, 32.3" X 35" PLATE, REVERSIBLE, 11250 LBS IMPACT	8HP	D-off		$12,799	8.47	1.73	3.04	0.21	0.56	10
			WACKER CORPORATION										
	C10WC003	DS 720	COMPACTOR, RAMMER, 13" X 13" SHOE, 3550 LBS IMPACT	4HP	D-off		$4,797	3.27	0.65	1.14	0.08	0.28	2
	C10WC006	BPU 2540 A	COMPACTOR, VIBROPLATE, 19.5" X 25.5" PLATE, REVERSIBLE, 5600 LBS IMPACT	8HP	G		$4,566	4.31	0.61	1.08	0.07	1.22	3
	C10WC007	BPU 3545A	COMPACTOR, VIBROPLATE, 23.5" X 35.5" PLATE, REVERSIBLE, 7550 LBS IMPACT	9HP	G		$9,096	7.28	1.23	2.16	0.15	1.38	7
	C10WC008	DPU 4045H	COMPACTOR, VIBROPLATE, 24" X 35.5" PLATE, REVERSIBLE, 9000 LBS IMPACT	9HP	D-off		$13,065	8.72	1.76	3.10	0.21	0.63	7
	C10WC015	DPU 7060	COMPACTOR, VIBROPLATE, 25.5" X 42" PLATE, REVERSIBLE, 15600 LBS IMPACT	14HP	D-off		$21,668	14.40	2.93	5.15	0.35	0.99	15
	SUBCATEGORY 0.20		**ROLLERS, VIBRATORY**										
			COMPACTION AMERICA										
	C10BO009	BW 55E	COMPACTOR, ROLLER, VIBRATORY, 22"W X 15.7"DIA, SINGLE SMOOTH DRUM, WALK BEHIND, 2273 LBS IMPACT	4HP	G		$5,812	4.17	0.72	1.24	0.10	0.61	3
	C10BO010	BW 35	COMPACTOR, TRENCH ROLLER, VIBRATORY, 15.4"W X 13.8"DIA, DOUBLE TAMPING FOOT DRUMS, WALK BEHIND, 2225 LBS IMPACT	4HP	D-off		$13,560	8.25	1.67	2.88	0.23	0.28	10

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C10			*COMPACTION AMERICA (continued)*										
	C10BO014	BW60HG	COMPACTOR, ROLLER, 23.6"W X 13.8"DIA, DOUBLE SMOOTH DRUMS, WALK BEHIND, 3090 LBS IMPACT	7HP	D-off		$16,287	10.11	2.01	3.46	0.28	0.49	18
	C10BO015	BW65S	COMPACTOR, ROLLER, 25.6"W X 15.7"DIA, DOUBLE SMOOTH DRUMS, WALK BEHIND, 2655 LBS IMPACT	5HP	D-off		$12,567	7.76	1.55	2.67	0.21	0.35	13
	C10BO011	BW 75AD-2	COMPACTOR, ROLLER, VIBRATORY, 29.9"W X 19.7"DIA, DOUBLE SMOOTH DRUMS, WALK BEHIND, 1980 LBS IMPACT	8HP	G		$10,181	7.47	1.25	2.16	0.17	1.22	26
	C10BO016	BW75S-2	COMPACTOR, ROLLER, 29.5"W X 18.9"DIA, DOUBLE SMOOTH DRUMS, WALK BEHIND, 4455 LBS IMPACT	9HP	D-off		$18,347	11.48	2.26	3.90	0.31	0.63	20
	C10BO013	BMP851	COMPACTOR, TRENCH ROLLER, VIBRATORY, 33.5"W X 19.7" DIA, DOUBLE TAMPING FOOT DRUMS, WALK BEHIND, 18000 LBS IMPACT	16HP	D-off		$39,535	24.47	4.88	8.40	0.68	1.13	45
			RAMMAX MACHINERY CO.										
	C10RX001	P23/16F	COMPACTOR, TRENCH ROLLER, PADFOOT, 23"W X 14.6"DIA, QUAD PADFOOT DRUMS, WALK BEHIND, 7875 LBS IMPACT	8HP	D-off		$26,626	16.22	3.29	5.66	0.46	0.56	16
	C10RX002	P33/24FMR	COMPACTOR, TRENCH ROLLER, PADFOOT, 24"W/33"W X 21.7"DIA, QUAD PADFOOT DRUMS, WALK BEHIND, 15652 LBS IMPACT	14HP	D-off		$37,819	23.29	4.67	8.04	0.65	0.99	30
	C10RX003	P47/40KM	COMPACTOR, TRENCH ROLLER, PADFOOT, 40"W/47"W X 22"DIA, QUAD PADFOOT DRUMS, RIDE ON, 21600 LBS IMPACT	33HP	D-off		$64,317	40.42	7.94	13.67	1.10	2.33	61
			WACKER CORPORATION										
	C10WC010	RSS800A	COMPACTOR, ROLLER, VIBRATORY, 28"W X 22"DIA, SINGLE SMOOTH DRUM, WALK BEHIND, 3400 LBS IMPACT	11HP	G		$12,288	9.29	1.52	2.61	0.21	1.68	11
	C10WC017	RD7H	COMPACTOR, ROLLER, VIBRATORY,25.5"W X 16.5"DIA, DOUBLE SMOOTH DRUM, WALK BEHIND, 2925 LBS IMPACT	9HP	D-off		$14,872	9.46	1.83	3.16	0.25	0.63	16
	C10WC019	RT 56-SC	COMPACTOR, ROLLER, VIBRATORY, 22"W X 20"DIA, DOUBLE SMOOTH DRUM, WALK BEHIND, 7000/14000 LBS IMPACT	20HP	D-off		$38,055	23.95	4.70	8.09	0.65	1.41	31

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		ENGINE HORSEPOWER - FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
C10			*WACKER CORPORATION (continued)*										
	C10WC016	RT 82-SC	COMPACTOR, TRENCH ROLLER, VIBRATORY, 32"W X 20"DIA, DOUBLE TAMPING FOOT DRUMS, WALK BEHIND, 7000/14000 LBS IMPACT	20HP	D-off		$38,560	24.24	4.76	8.19	0.66	1.41	33
C15	CONCRETE CLEANERS / BLASTERS												
	SUBCATEGORY 0.00		**CONCRETE CLEANERS / BLASTERS**										
			US FILTER/BLASTRAC										
	C15BL001	1-8 & TURBO VAC	CONCRETE BLASTER CLEANING SYSTEM, 8" PATH (ADD 4 KVA GENERATOR & BLAST MEDIA COST)	2HP	E		$8,492	4.76	1.00	1.70	0.15	0.10	2
	C15BL003	1-10D & 6-54 DC	CONCRETE BLASTER CLEANING SYSTEM, 10" PATH (ADD 30 KVA GENERATOR & BLAST MEDIA COST)	10HP	E		$40,722	21.89	4.78	8.14	0.71	0.49	7
	C15BL004	1-15D & 6-54-DC	CONCRETE BLASTER CLEANING SYSTEM, 15" PATH (ADD 30 KVA GENERATOR & BLAST MEDIA COST)	15HP	E		$47,657	25.88	5.60	9.53	0.83	0.74	8
	C15BL005	2-20D & 8-54-DC	CONCRETE BLASTER CLEANING SYSTEM, 20" PATH (ADD 75 KVA GENERATOR & BLAST MEDIA COST)	30HP	E		$69,852	37.97	8.21	13.97	1.22	1.47	12
C20	CONCRETE BUGGIES												
	SUBCATEGORY 0.00		**CONCRETE BUGGIES**										
			WACKER CORPORATION										
	C20WC002	WB 16A	CONCRETE BUGGY, 16 CF BUCKET, 2500 LBS, WALK & RIDE, 4X2	13HP	G		$9,657	6.10	1.07	1.80	0.17	1.55	13
			NO SPECIFIC MANUFACTURER										
	C20XX001	10G	CONCRETE BUGGY, 10 CF, 1500 LBS	8HP	G		$6,763	4.09	0.75	1.26	0.12	0.95	10

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C25	CONCRETE FINISHERS/SCREEDS/SPREADERS												
	SUBCATEGORY 0.10		**FINISHERS/TROWELS**										
			ALLEN ENGINEERING CORP.										
	C25AJ015	PRO 900	CONCRETE TROWEL, RIDING, 2 - 36" DIA ROTORS, 8 BLADES	20HP	G		$10,409	7.04	1.01	1.67	0.17	2.38	7
	C25AJ016	PRO 1050	CONCRETE TROWEL, RIDING, 2 - 42" DIA ROTORS, 8 BLADES	20HP	G		$10,906	7.21	1.05	1.74	0.18	2.38	8
	C25AJ018	PRO 1200	CONCRETE TROWEL, RIDING, 2 - 46" DIA ROTORS, 8 BLADES	25HP	G		$12,642	8.67	1.22	2.02	0.21	2.98	10
	C25AJ019	SUPER PRO 400	CONCRETE TROWEL, RIDING, 2 - 46" DIA ROTORS, 8 BLADES	28HP	G		$18,341	11.23	1.78	2.93	0.31	3.33	13
			STOW MANUFACTURING, INC.										
	C25ST001	SCT36H80	CONCRETE FINISHER, WALK BEHIND, ROTO TROWEL, 36" DIA ROTOR, 4 BLADES	8HP	G		$2,351	2.15	0.23	0.38	0.04	0.95	3
	C25ST002	SCT46H80	CONCRETE FINISHER, WALK BEHIND, ROTO TROWEL, 46" DIA ROTOR, 4 BLADES	9HP	G		$2,554	2.39	0.25	0.41	0.04	1.07	3
			WACKER CORPORATION										
	C25WC002	CT48ADP	CONCRETE FINISHER, WALK BEHIND, POWER TROWEL, 48" DIA ROTOR, 4 BLADES	8HP	G		$2,946	2.36	0.29	0.47	0.05	0.95	3
	SUBCATEGORY 0.20		**VIBRATORY SCREED**										
			ALLEN ENGINEERING CORP.										
	C25AJ003	12HED	CONCRETE, VIBRATORY SCREED, 12.5' WIDE	6HP	G		$5,509	2.98	0.53	0.88	0.09	0.71	5
	C25AJ001	12 HD	CONCRETE, VIBRATORY SCREED, 20' WIDE	6HP	G		$3,894	2.39	0.38	0.62	0.07	0.71	4
	C25AJ004	12HED	CONCRETE, VIBRATORY SCREED, 30' WIDE	8HP	G		$7,867	4.16	0.76	1.26	0.13	0.95	8
	C25AJ005	12HED	CONCRETE, VIBRATORY SCREED, 40' WIDE	11HP	G		$9,232	5.16	0.89	1.48	0.15	1.31	10
	C25AJ006	12HED	CONCRETE, VIBRATORY SCREED, 50' WIDE	11HP	G		$10,964	5.78	1.06	1.75	0.18	1.31	12

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
C25			*ALLEN ENGINEERING CORP. (continued)*										
	C25AJ007	12HED	CONCRETE, VIBRATORY SCREED, 55' WIDE	11HP	G		$11,659	6.05	1.14	1.87	0.20	1.31	13
	SUBCATEGORY 0.25		**VIBRATORY LASER SCREED**										
			SOMERO ENTERPRISES, INC.										
	C25SV003	S-100	CONCRETE, VIBRATORY LASER SCREED, 8' WIDE X 12' BOOM	30HP	D-off		$136,333	28.45	8.22	11.87	2.28	1.53	72
	C25SV002	S-160	CONCRETE, VIBRATORY LASER SCREED, 8' WIDE X 20' BOOM	65HP	D-off		$225,596	48.15	13.61	19.67	3.77	3.30	126
	C25SV001	S-240	CONCRETE, VIBRATORY LASER SCREED, 12' WIDE X 20' BOOM	65HP	D-off		$280,746	58.78	16.92	24.45	4.69	3.30	151
	SUBCATEGORY 0.30		**MATERIAL/TOPPING SPREADERS**										
			ALLEN ENGINEERING CORP.										
	C25AJ008	SP23H	CONCRETE, MATERIAL/TOPPING SPREADER, 12.5' WIDE	6HP	G		$13,293	3.45	0.80	1.16	0.22	0.61	11
	C25AJ009	SP23H	CONCRETE, MATERIAL/TOPPING SPREADER, 20' WIDE	6HP	G		$14,112	3.62	0.86	1.23	0.24	0.61	12
	C25AJ010	SP23H	CONCRETE, MATERIAL/TOPPING SPREADER, 30' WIDE	6HP	G		$15,079	3.80	0.91	1.32	0.25	0.61	13
	C25AJ011	SP23H	CONCRETE, MATERIAL/TOPPING SPREADER, 40' WIDE	6HP	G		$16,150	4.01	0.98	1.41	0.27	0.61	14
	C25AJ012	SP23H	CONCRETE, MATERIAL/TOPPING SPREADER, 50' WIDE	6HP	G		$17,142	4.20	1.04	1.50	0.29	0.61	15
	C25AJ013	SP23H	CONCRETE, MATERIAL/TOPPING SPREADER, 60' WIDE	6HP	G		$18,137	4.39	1.10	1.59	0.30	0.61	17

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
C35	CONCRETE GUNITERS / SHOTCRETERS												
	SUBCATEGORY 0.00		**CONCRETE GUNITERS / SHOTCRETERS**										
			AIRPLACO EQUIPMENT CO., INC.										
	C35AF002	C-7A	CONCRETE GUNITER/SHOTCRETER, DRY/SEMI-WET, HOPPER/PUMP/SPRAY, 12 CY/HR, 2" HOSE & 1 GUN (ADD 600 CFM COMPRESSOR)	600CFM	A		$11,202	5.05	0.77	1.18	0.18	0.00	6
	C35AF001	1900 HD NUCRETOR	CONCRETE GUNITER/SHOTCRETER, DRY MIX, 2 - 15 CY/HR, W/2 PRESSURIZED TANKS/ 100' - 2" DIA HOSE (ADD 600 CFM COMPRESSOR)	600CFM	A		$23,011	6.61	1.61	2.45	0.38	0.00	11
	C35AF004	640 Mix Elevator	CONCRETE GUNITER/SHOTCRETER, DRY BATCH MIXER, 13 CY/HR, W/FEEDER, TRAILER MTD (ADD SHOTCRETE MACHINE)	30HP	G		$39,318	18.05	2.75	4.19	0.65	3.86	45
	C35AF005	734 Mix Elevator	CONCRETE GUNITER/SHOTCRETER, DRY BATCH MIXER, W/20 CY/HR ELEVATOR FEEDER/ 45 CF SAND HOPPER/ 4 CF CEMENT HOPPER/ & PREDAMPENING SPRAY BAR, TRAILER MTD (ADD SHOTCRETE MACHINE)	54HP	D-off		$56,612	21.71	3.94	6.01	0.93	3.19	81
			ALLENTOWN EQUIPMENT										
	C35AL003	GRH-610 ROTARY GUN	CONCRETE GUNITER/SHOTCRETER, ROTARY PUMP, WET/DRY, 1 - 6 CY/HR, W/HOPPER/ 100' - 1.5" DIA HOSE/ & NOZZLE, CART MTD, (ADD 250 - 600 CFM COMPRESSOR)	5HP	E		$11,721	3.70	0.74	1.10	0.19	0.26	11
	C35AL013	AG-15 AUTOMATIC GUN	CONCRETE GUNITER/SHOTCRETER, ROTARY PUMP, WET/DRY, 3 - 15 CY/HR, W/HOPPER/ 100' - 1.5" DIA HOSE/ & NOZZLE (ADD 300 - 900 CFM COMPRESSOR)	900CFM	A		$10,759	3.32	0.72	1.08	0.18	0.00	15
	C35AL008	N-2 PNEUMATIC GUN	CONCRETE GUNITER/SHOTCRETER, DRY MIX, 2 - 8 CY/HR, W/2 PRESSURIZED TANKS/ 100' - 1.5" DIA HOSE/ & NOZZLE (ADD 200 - 900 CFM COMPRESSOR)	900CFM	A		$23,591	6.79	1.66	2.53	0.39	0.00	13

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
C35			*ALLENTOWN EQUIPMENT (continued)*										
	C35AL002	R-900 BATCH MIX RIG	CONCRETE GUNITER/SHOTCRETER, DRY BATCH MIXER, 10 TON/HR, W/ELEVATOR FEEDER/ 20 CF CEMENT HOPPER/ 8 CF MIXER/ & PREDAMPENING SPRAY BAR, TRAILER MTD (ADD SHOTCRETE MACHINE OR ROTARY PUMP)	26HP	D-off		$32,506	11.87	2.21	3.33	0.54	1.54	47
	C35AL014	POWER CRETER 10	CONCRETE GUNITER/SHOTCRETER, GROUT/MUD JACK/ SHOTCRETE, 10 CY/HR, 400 PSI, W/30 GAL HOPPER/ 74 GAL MIXER, TRAILER MTD (ADD 3" HOSE LINE)	53HP	D-off		$53,733	19.37	3.76	5.74	0.89	3.13	30
			ALIVA LTD.										
	C35AV008	AL 246	CONCRETE GUNITER/SHOTCRETER, DRY/SEMI-WET, 1.4 - 2.3 CY/HR, W/1 GAL HOPPER/ ROTARY PUMP/ 100' - 1.5" DIA HOSE/ NOZZLE/ & AIR COMPRESSOR	7HP	E		$23,766	9.09	1.67	2.55	0.39	0.37	9
	C35AV009	AL 252	CONCRETE GUNITER/SHOTCRETER, DRY/SEMI-WET, 5 - 10 CY/HR, W/4.2 GAL HOPPER/ ROTARY PUMP/ 100' - 2.36" DIA HOSE/ NOZZLE/ & AIR COMPRESSOR	16HP	E		$28,859	11.20	2.03	3.09	0.48	0.84	18
	C35AV010	AL 262	CONCRETE GUNITER/SHOTCRETER, WET/DRY, 9 - 13 CY/HR, W/4.2 GAL HOPPER/ ROTARY PUMP/ 100' - 2.36" DIA HOSE/ NOZZLE/ & AIR COMPRESSOR	26HP	E		$52,105	18.39	3.65	5.58	0.86	1.37	27
	C35AV006	AL 285	CONCRETE GUNITER/SHOTCRETER, WET/DRY, 11 - 27.5 CY/HR, W/6.6 GAL HOPPER/ ROTARY PUMP/ 100' - 2.55" DIA HOSE/ NOZZLE/ & AIR COMPRESSOR	20HP	E		$79,732	25.48	5.56	8.49	1.31	1.05	33
	C35AV011	AL 302	CONCRETE GUNITER/SHOTCRETER, SHOTCRETE HYDRAULIC SPRAYER ARM, 25.6 ' HIGH (ADD TRUCK OR SMALL TRAILER & SHOTCRETE UNIT)	12HP	E		$39,746	13.88	2.79	4.26	0.66	0.63	50
	C35AV012	AL 307	CONCRETE GUNITERS / SHOTCRETERS, SHOTCRETE HYDRAULIC SPRAYER ARM, 52.5' HIGH (ADD TRUCK OR SMALL TRAILER & SHOTCRETE UNIT)	20HP	E		$119,366	36.89	8.37	12.79	1.97	1.05	68

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C40	CONCRETE MIXING UNITS												
	SUBCATEGORY 0.00		**CONCRETE MIXING UNITS**										
			CEMEN TECH										
	C40CC001	SCD2-50H	CONCRETE MIXERS, STATIONARY CONCRETE DISPENSER, 15 CY/HR, 2 - 4.5 CY MATERIAL CAPACITY	10HP	E		$22,010	8.80	2.13	3.52	0.37	0.49	23
			MULTIQUIP, INC.										
	C40MU001	WM 700SH8	CONCRETE MIXERS, MIXER, PLASTER/MORTAR, 7 CF, TRAILER MTD	8HP	G		$2,482	2.17	0.23	0.37	0.04	0.95	8
	C40MU002	WM 120SH	CONCRETE MIXERS, MIXER, PLASTER/MORTAR, 12 CF, TRAILER MTD	13HP	G		$5,466	4.08	0.52	0.85	0.09	1.55	11
	C40MU003	MC 62SH8	CONCRETE MIXERS, MIXER, CONCRETE, 6 CF, TRAILER MTD	8HP	G		$2,665	2.23	0.24	0.40	0.04	0.95	7
	C40MU004	MC 92SH8	CONCRETE MIXERS, MIXER, CONCRETE, 9 CF, TRAILER MTD	8HP	G		$3,234	2.44	0.30	0.49	0.05	0.95	8
			ROSS COMPANY										
	C40RC005		CONCRETE MIXERS, STATIONARY MIXER, CONCRETE, 12.0 CY, TILT DRUM (ADD DRY BATCH PLANT)	120HP	E		$195,882	84.70	18.96	31.34	3.29	5.88	90
			STOW MANUFACTURING, INC.										
	C40ST001	CMS4E	CONCRETE MIXERS, MIXER, CONCRETE, 4 CF, TRAILER MTD	1HP	E		$1,748	0.85	0.16	0.26	0.03	0.02	5
	C40ST002	CMS4H	CONCRETE MIXERS, MIXER, CONCRETE, 4 CF, TRAILER MTD	6HP	G		$1,956	1.58	0.18	0.29	0.03	0.65	5
	C40ST003	CMS6E	CONCRETE MIXERS, MIXER, CONCRETE, 6 CF, TRAILER MTD	2HP	E		$2,396	1.26	0.22	0.36	0.04	0.10	7
	C40ST005	CMS9E	CONCRETE MIXERS, MIXER, CONCRETE, 9 CF, TRAILER MTD	2HP	E		$3,269	1.57	0.30	0.50	0.05	0.07	8

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			NO SPECIFIC MANUFACTURER										
	C40XX001	8E	CONCRETE MIXERS, MIXER, PLASTER/MORTAR, 8 CF, ELECTRIC, PORTABLE	2HP	E		$2,872	1.41	0.28	0.46	0.05	0.10	7
	C40XX002	8G	CONCRETE MIXERS, MIXER, PLASTER/MORTAR, 8 CF, GAS, PORTABLE	7HP	G		$3,077	2.25	0.30	0.49	0.05	0.83	7
	C40XX003	10E	CONCRETE MIXERS, MIXER, PLASTER/MORTAR, 10 CF, ELECTRIC, PORTABLE	3HP	E		$4,402	2.04	0.42	0.70	0.07	0.15	9
	C40XX004	10G	CONCRETE MIXERS, MIXER, PLASTER/MORTAR, 10 CF, GAS, PORTABLE	8HP	G		$4,424	2.90	0.43	0.71	0.07	0.95	10
	C40XX005	12E	CONCRETE MIXERS, MIXER, PLASTER/MORTAR, 12 CF, ELECTRIC, PORTABLE	5HP	E		$5,804	2.76	0.57	0.93	0.10	0.25	11
	C40XX006	16E	CONCRETE MIXERS, MIXER, PLASTER/MORTAR, 16 CF, ELECTRIC, PORTABLE	5HP	E		$8,103	3.60	0.79	1.30	0.14	0.25	12
	C40XX007	16G	CONCRETE MIXERS, MIXER, PLASTER/MORTAR, 16 CF, GAS, PORTABLE	9HP	G		$7,534	4.22	0.74	1.21	0.13	1.07	13
C45	CONCRETE PAVING MACHINES												
	SUBCATEGORY 0.00		**CONCRETE PAVING MACHINES**										
			GOMACO CORPORATION										
	C45GO013	GT-3200	CONCRETE PAVING MACHINES, CURB/GUTTER SLIPFORM PAVER, 30" WIDE MOLD/FORM	92HP	D-off		$104,484	41.94	8.68	13.93	1.71	5.43	130
	C45GO010	COMMANDER II /GT6200	CONCRETE PAVING MACHINES, CURB/GUTTER SLIPFORM PAVER, 2-TRACK	92HP	D-off		$128,064	49.79	10.63	17.08	2.09	5.43	200
	C45GO014	GT-3600	CONCRETE PAVING MACHINES, CURB/GUTTER SLIPFORM PAVER, 3-TRACK	98HP	D-off		$145,655	56.11	12.09	19.42	2.38	5.79	210
	C45GO011	COMMANDER III/GT6300	CONCRETE PAVING MACHINES, CURB/GUTTER SLIPFORM PAVER, 3-TRACK	169HP	D-off		$167,890	69.03	13.94	22.39	2.74	9.98	300
	C45GO012	COMMANDER III	CONCRETE PAVING MACHINES, CURB/GUTTER SLIPFORM PAVER, 12', 4-TRACK	169HP	D-off		$282,239	107.09	23.43	37.63	4.61	9.98	369
	C45GO016	GP-2600	CONCRETE PAVING MACHINES, PAVER, 28' WIDE, 2-TRACK	230HP	D-off		$271,714	108.34	22.56	36.23	4.44	13.58	750
	C45GO018	GHP-2800	CONCRETE PAVING MACHINES, PAVER, 28' WIDE, 2-TRACK	335HP	D-off		$384,585	154.08	31.93	51.28	6.29	19.78	700
	C45GO020	GP-4000	CONCRETE PAVING MACHINES, PAVER, 28' WIDE, SLIPFORM, CRAWLER, 2-TRACK	450HP	D-off		$456,636	186.99	37.90	60.88	7.46	26.57	880

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C45			*GOMACO CORPORATION (continued)*										
	C45GO025	C-700	CONCRETE PAVING MACHINES, CYLINDER FINISHER, DOUBLE DRUM, 60' WIDE	48HP	G		$66,572	30.57	5.53	8.88	1.09	6.17	55
	C45GO031	9500	CONCRETE PAVING MACHINES, TRIMMER/PLACER, W/16' HEAD	365HP	D-off		$362,004	148.90	30.06	48.27	5.92	21.55	611
			MILLER SPREADER CO.										
	C45MJ001	MC 650	CONCRETE PAVING MACHINES, CURB BUILDER, 3.7 CF HOPPER 6" AUGER	15HP	G		$6,980	4.95	0.58	0.93	0.11	1.93	8
			M-B-W, INC.										
	C45MW002	C101	CONCRETE PAVING MACHINES, RUBBER TIRED, CURB ONLY, 12"	20HP	D-off		$38,517	14.17	2.98	4.69	0.63	1.18	27
	C45MW003	CG200	CONCRETE PAVING MACHINES, RUBBER TIRED, CURB & GUTTER, 48"	20HP	D-off		$50,435	18.08	3.88	6.11	0.82	1.18	38
C55	CONCRETE PUMPS												
	SUBCATEGORY 0.00		**CONCRETE PUMPS**										
			MAYCO PUMP - MULTIQUIP INC.										
	C55M3001	C-30HD	CONCRETE PUMP, 25 CY/HR, SINGLE, TRAILER MTD	46HP	G		$19,695	12.85	1.39	2.19	0.29	5.48	27
	C55M3002	ST-45	CONCRETE PUMP, 45 CY/HR, SINGLE, TRAILER MTD	60HP	D-off		$46,851	17.26	3.33	5.27	0.69	3.35	42
	C55M3003	ST-70	CONCRETE PUMP, 70 CY/HR, SINGLE, TRAILER MTD	106HP	D-off		$59,282	24.05	4.22	6.67	0.88	5.91	47
			OLIN ENGINEERING, INC.										
	C55OE006	10 22	CONCRETE PUMP, 22 CY/HR,TRAILER MTD (OPEN LOOP HYDRAULIC SYSTEM)	74HP	D-off		$41,660	16.84	2.94	4.64	0.62	4.13	44
	C55OE009	20 80	CONCRETE PUMP, 76 CY/HR, TRAILER MTD TANDEM (CLOSED LOOP HYDRAULIC SYSTEM)	127HP	D-off		$78,811	30.90	5.56	8.78	1.17	7.08	72
	C55OE011	15 95	CONCRETE PUMP, 100 CY/HR, TRAILER MTD TANDEM (OPEN LOOP HYDRAULIC SYSTEM)	181HP	D-off		$72,890	33.24	5.14	8.11	1.08	10.09	70

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C55			*OLIN ENGINEERING, INC. (continued)*									
	C55OE012	20 100	CONCRETE PUMP, 100 CY/HR, TRAILER MTD TANDEM (CLOSED LOOP HYDRAULIC SYSTEM)	181 HP D-off		$92,637	38.67	6.54	10.34	1.37	10.09	81
	C55OE001	4Z 26X	CONCRETE PUMP, PUMP & BOOM, 130 CY/HR, REACH: 72'0" HORIZONTAL / 85'0" VERTICAL (ADD 50,000 GVW TRUCK)			$222,468	61.03	15.82	25.03	3.30	0.00	100
	C55OE002	4Z 36X	CONCRETE PUMP, PUMP & BOOM, 182 CY/HR, REACH: 104'0" HORIZONTAL / 118'0" VERTICAL (ADD 50,000 GVW TRUCK)			$285,967	78.45	20.33	32.17	4.24	0.00	100
	C55OE003	5RZ 47I	CONCRETE PUMP, PUMP & BOOM, 182 CY/HR, REACH: 134'0" HORIZONTAL / 152'0" VERTICAL (ADD 50,000 GVW TRUCK)			$436,056	119.62	30.99	49.06	6.46	0.00	100
			SCHWING AMERICA INC.									
	C55SC001	WP750 D-18X	CONCRETE PUMP, 70 CY/HR, 1100 PSI, TRAILER MTD	80 HP D-off		$68,381	24.62	4.85	7.68	1.01	4.46	69
	C55SC002	BPA 2000HDD-20R	CONCRETE PUMP, 67 CY/HR, 1565 PSI, TRAILER MTD	177 HP D-off		$146,874	53.23	10.38	16.39	2.18	9.87	115
	C55SC005	BPL 900/KVM 23	CONCRETE PUMP, 117 CY/HR, 75' BOOM, TRUCK MTD	210 HP D-on		$287,536	98.65	20.21	31.89	4.26	15.07	359
	C55SC006	BPL 900/KVM 28	CONCRETE PUMP, 117 CY/HR, 92' BOOM, TRUCK MTD	210 HP D-on		$363,467	119.49	25.61	40.43	5.39	15.07	470
C60	CONCRETE SAWS (Add cost for sawblade wear)											
	SUBCATEGORY 0.00		**CONCRETE SAWS (Add cost for sawblade wear)**									
			CUSHION CUT, INC.									
	C60CQ011	FS 6500/14	CONCRETE SAW, 4.625" DEPTH, SELF PROPELLED, 14" BLADE (ADD COST FOR SAWBLADE WEAR & WATER)	65 HP G		$14,894	18.94	1.35	2.23	0.23	9.95	13
	C60CQ002	FS 9B	CONCRETE SAW, 5.625" DEPTH, MANUAL, 16" BLADE (ADD COST FOR SAWBLADE WEAR & WATER)	9 HP G		$2,421	2.75	0.22	0.36	0.04	1.38	2
	C60CQ003	FS 13BUC	CONCRETE SAW, 5.625" DEPTH, MANUAL, 16" BLADE (ADD COST FOR SAWBLADE WEAR & WATER)	13 HP G		$2,608	3.65	0.24	0.39	0.04	1.99	2

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C60			*CUSHION CUT, INC. (continued)*										
	C60CQ001	FS 3500/20	CONCRETE SAW, 7.75" DEPTH, SELF-PROPELLED, 20" BLADE (ADD COST FOR SAWBLADE WEAR & WATER)	35HP	G		$11,680	11.52	1.06	1.75	0.18	5.36	10
	C60CQ014	FS 3000/26E	CONCRETE SAW, 10.625" DEPTH, SELF PROPELLED, 6" BLADE (ADD COST FOR SAWBLADE WEAR & WATER)	30HP	E		$12,787	7.48	1.16	1.92	0.20	1.89	13
	C60CQ012	FS 6500/26	CONCRETE SAW, 10.625" DEPTH, SELF PROPELLED, 26" BLADE (ADD COST FOR SAWBLADE WEAR & WATER)	65HP	G		$14,995	18.98	1.36	2.25	0.23	9.95	13
	C60CQ010	FS 3500/30	CONCRETE SAW, 12.125" DEPTH, SELF PROPELLED, 30" BLADE,W/TRANSAXLE (ADD COST FOR SAWBLADE WEAR & WATER)	35HP	D-off		$11,730	7.78	1.06	1.76	0.18	2.47	10
	C60CQ013	FS 6500/36	CONCRETE SAW, 14.875" DEPTH, SELF PROPELLED, 36" BLADE (ADD COST FOR SAWBLADE WEAR & WATER)	65HP	G		$15,096	19.01	1.36	2.26	0.23	9.95	13
	C60CQ016	FS 7800/36DLS	CONCRETE SAW, 14.875" DEPTH, SELF PROPELLED, 36" BLADE (ADD COST FOR SAWBLADE WEAR & WATER)	75HP	D-off		$21,887	15.48	1.98	3.28	0.34	5.29	20
			FELKER										
	C60FE002	S80/14Z	CONCRETE SAW, 5.00" DEPTH, MANUAL, 14" BLADE (ADD COST FOR SAWBLADE WEAR & WATER)	2HP	G		$1,250	0.88	0.12	0.19	0.02	0.31	1
	C60FE006	ES 1409	CONCRETE SAW, 4.625" DEPTH, WALK BEHIND, 14" BLADE (ADD COST FOR SAWBLADE WEAR & WATER)	9HP	G		$2,611	2.82	0.24	0.39	0.04	1.38	2
	C60FE007	ES 1413	CONCRETE SAW, 4.625" DEPTH, WALK BEHIND, 14" BLADE (ADD COST FOR SAWBLADE WEAR & WATER)	13HP	G		$2,735	3.70	0.25	0.41	0.04	1.99	2
	C60FE009	ECII20H	CONCRETE SAW, 7.50" DEPTH, SELF PROPELLED, 20" BLADE (ADD COST FOR SAWBLADE WEAR & WATER)	20HP	G		$8,739	7.33	0.80	1.31	0.14	3.06	6
			BOART LONGYEAR COMPANY										
	C60LY005	FS 13B	CONCRETE SAW, 7.00" DEPTH, WALK BEHIND(ADD COST FOR SAWBLADE WEAR & WATER)	13HP	G		$2,563	3.63	0.23	0.38	0.04	1.99	2

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C60			*BOART LONGYEAR COMPANY (continued)*										
	C60LY001	360-10AP	CONCRETE SAW, RAIL SAW, 15.50" DEPTH, WALL (ADD COMPRESSOR & COST FOR SAWBLADE WEAR & WATER)	10HP	G		$23,185	10.47	2.10	3.48	0.36	1.53	2
	C60LY002	360-35HM	CONCRETE SAW, RAIL SAW, 24.50" DEPTH, WALL(ADD COST FOR SAWBLADE WEAR & WATER)	35HP	G		$29,321	17.90	2.65	4.40	0.45	5.36	2
	C60LY011	WR-400	CONCRETE SAW, WIRE SAW SYSTEM, HEAVY DUTY (ADD COST FOR WEAR & WATER)	32HP	D-off		$64,239	26.45	5.81	9.64	0.99	2.26	15
C65	CONCRETE VIBRATORS												
	SUBCATEGORY 0.00		**CONCRETE VIBRATORS**										
			STOW MANUFACTURING, INC.										
	C65ST007	SV-1 115V	CONCRETE VIBRATOR, 1.375" HEAD, 21' SHAFT (ADD 2KV GENERATOR)	1HP	E		$891	0.91	0.11	0.20	0.01	0.05	1
	C65ST008	SV-2 115V	CONCRETE VIBRATOR, 2.375" HEAD, 21' SHAFT (ADD 2KV GENERATOR)	2HP	E		$999	1.07	0.13	0.22	0.02	0.09	1
	C65ST009	SV-3 115V	CONCRETE VIBRATOR, 2.625" HEAD, 21' SHAFT (ADD 2KV GENERATOR)	3HP	E		$1,117	1.25	0.15	0.25	0.02	0.14	1
	C65ST013	G550HC	CONCRETE VIBRATOR, 2.325" HEAD, 21' SHAFT, W/GAS MOTOR ON CART	6HP	G		$1,885	2.58	0.24	0.42	0.03	0.61	2
			WACKER CORPORATION										
	C65WC005	A 5000	CONCRETE VIBRATOR, 1.75" HEAD, 13' SHAFT, W/GAS MOTOR ON CART	5HP	G		$1,829	2.46	0.24	0.41	0.03	0.56	1
	C65WC004	M 3000	CONCRETE VIBRATOR, 1.75" HEAD, 13' SHAFT, HI-FREQ INTERNAL (ADD 2KV GENERATOR)	3HP	E		$1,290	1.55	0.17	0.29	0.02	0.14	1
	C65WC003	IREN 57	CONCRETE VIBRATOR, 2.50" HEAD, 16.5' SHAFT, HI-FREQ INTERNAL (ADD 2KV GENERATOR)	2HP	E		$1,442	1.62	0.18	0.32	0.02	0.09	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C75	CRANES, HYDRAULIC, SELF-PROPELLED												
	SUBCATEGORY 0.00		**CRANES, HYDRAULIC, SELF-PROPELLED**										
			BRODERSON MANUFACTURING CORPORATION										
	C75BD007	IC-20-1F	CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 2.5 TON, 15' BOOM, 4X2	38HP	G		$49,204	13.69	2.20	2.97	0.71	4.88	61
	C75BD008	IC-35-2C	CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 4.0 TON, 19.2' BOOM, 4X2	42HP	G		$63,677	16.45	2.85	3.85	0.92	5.40	74
	C75BD004	IC-35-2C	CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 4.0 TON, 19' BOOM, 4X2, NON-ROTATING OPERATOR'S CAB	42HP	G		$70,834	17.56	3.16	4.25	1.03	5.40	79
	C75BD009	IC-80-3F	CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 8.5 TON, 30' BOOM, 4X2	69HP	G		$85,464	24.53	3.78	5.08	1.24	8.87	162
	C75BD005	IC-80-1F	CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 9.0 TON, 20' BOOM, 4X2, NON-ROTATING OPERATOR'S CAB	69HP	G		$86,426	24.67	3.82	5.14	1.25	8.87	157
	C75BD006	IC-200-3E	CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 15.0 TON, 50' BOOM, 4X2, NON-ROTATING OPERATOR'S CAB	110HP	G		$124,608	37.53	5.50	7.37	1.81	14.14	300
	C75BD010	RT-200-3A	CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 15.0 TON, 49' BOOM, 4X4,	85HP	D-off		$132,255	26.37	5.86	7.88	1.92	5.02	300
	C75BD011	RT-300-2B	CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 15.0 TON, 60' BOOM, 4X4, 20'0" OFFSET	130HP	D-off		$203,350	40.63	9.00	12.10	2.95	7.68	473
			GROVE CRANES										
	C75GV026	S4000	CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 2 TON, 18' BOOM, 4X2X2	18HP	G		$47,785	9.98	2.13	2.88	0.69	2.31	56
	C75GV027	YB4210	CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 10 TON, 24' BOOM, 4X2X2	62HP	G		$105,983	26.22	4.71	6.33	1.54	7.97	165
	C75GV021	YB4410	CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 10 TON, 30' BOOM, 4X4, NON-ROTATING OPERATOR'S CAB	62HP	G		$101,932	25.67	4.52	6.08	1.48	7.97	173
	C75GV022	YB4415XT	CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 15 TON, 52' BOOM, 4X4, NON-ROTATING OPERATOR'S CAB	110HP	D-off		$126,190	27.25	5.57	7.47	1.83	6.49	313

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C75			*GROVE CRANES (continued)*										
	C75GV028	RT525E	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 25 TON, 75' BOOM, 4X4X4	152 HP	D-off		$238,916	47.86	10.57	14.19	3.47	8.97	500
	C75GV023	RT530E	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 30 TON, 95' BOOM, 4X4	152 HP	D-off		$253,862	53.74	11.00	14.63	3.68	8.97	580
	C75GV024	RT640E	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 40 TON, 105' BOOM 4X4	173 HP	D-off		$383,195	73.77	16.81	22.49	5.56	10.21	650
	C75GV019	RT750E	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 50 TON, 110' BOOM, 4X4	240 HP	D-off		$438,583	87.69	19.25	25.75	6.37	14.17	876
	C75GV014	RT760	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 60 TON, 110' BOOM, 4X4, W/HOOK BLOCK & BALL	240 HP	D-off		$438,667	87.69	19.25	25.75	6.37	14.17	909
	C75GV025	RT875C	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 70 TON, 110' BOOM 4X4	250 HP	D-off		$698,415	124.90	30.90	41.52	10.14	14.76	1,091
	C75GV020	RT875 BXL	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 90 TON, 138' BOOM, 4X4	250 HP	D-off		$702,465	129.11	30.87	41.33	10.20	14.76	1,119
	C75GV016	RT9130E	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 100 TON, 160' BOOM, 4X4, W/HOOK BLOCK & BALL	300 HP	D-off		$1,001,839	175.57	44.30	59.51	14.54	17.71	1,364
			PETTIBONE MICHIGAN LLC										
	C75PB002	40RS	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 20 TON, 64.1' BOOM, 4X4X4	185 HP	D-off		$402,316	73.65	17.90	24.12	5.84	10.92	496
			TADANO AMERICA CORPORATION										
	C75TD003	TR-300XL-3	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 30 TON, 112' BOOM, 4X4	180 HP	D-off		$325,415	63.44	14.40	19.35	4.72	10.63	537
	C75TD006	TR-350XL-3	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 35 TON, 155' BOOM, 4X4	247 HP	D-off		$381,705	77.38	16.88	22.67	5.54	14.58	621
	C75TD007	TR-500XL-3	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 50 TON, 175' BOOM, 4X4	247 HP	D-off		$615,060	110.55	27.03	36.20	8.93	14.58	882

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C75			*TADANO AMERICA CORPORATION (continued)*									
	C75TD008	TR-650XL-3	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 65 TON, 180' BOOM, 4X4	247 HP D-off		$569,804	107.28	25.10	33.65	8.27	14.58	945
			TEREX CORPORATION									
	C75TE001	RT230	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 30 TON, 94' BOOM, 4X4	130 HP D-off		$306,068	55.70	13.57	18.26	4.44	7.68	563
	C75TE002	RT335/40	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 40 TON, 94' BOOM, 4X4	152 HP D-off		$421,180	74.20	18.70	25.18	6.11	8.97	634
	C75TE003	RT450	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 50 TON, 105' BOOM, 4X4	174 HP D-off		$402,414	75.74	17.72	23.76	5.84	10.27	767
	C75TE004	RT160	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 60 TON, 115' BOOM, 4X4	215 HP D-off		$488,858	88.44	21.15	28.10	7.10	12.69	905
	C75TE005	RT175	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 75 TON, 126' BOOM, 4X4	260 HP D-off		$664,014	116.87	29.01	38.74	9.64	15.35	982
	C75TE006	RT190	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 90 TON, 124' BOOM, 4X4	260 HP D-off		$717,933	124.51	31.43	42.01	10.42	15.35	1,106
	C75TE007	RT110	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 100 TON, 149' BOOM, 4X4	260 HP D-off		$823,370	143.18	36.55	49.20	11.95	15.35	1,230
C80	**CRANES, HYDRAULIC, TRUCK MOUNTED**											
	SUBCATEGORY 0.01		**UNDER 26 TON**									
			LINK-BELT CONSTRUCTION EQUIPMENT CO.									
	C80LB005	ATC-822	CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 22 TON, 70' BOOM, 4X4	190 HP D-off		$294,239	51.50	13.06	17.57	4.27	9.66	392
			TEREX CORPORATION									
	C80TE005	T 220	CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 20 TON, 94' BOOM, 6X4X2	242 HP D-off		$255,288	50.64	11.26	15.10	3.71	12.30	472

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		ENGINE HORSEPOWER - FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
C80			*TEREX CORPORATION (continued)*										
	C80TE006	T 225	CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 25 TON, 94' BOOM, 6X4X2	242 HP	D-off		$255,288	50.64	11.26	15.10	3.71	12.30	472
	SUBCATEGORY 0.02		**26 TON THRU 65 TON**										
			GROVE CRANES										
	C80GV025	TMS-500E	CRANES, HYDRAULIC, TRUCK MTD, 40 TON, 95' BOOM, 6X4	300 HP	D-off		$387,411	66.60	15.76	20.35	5.58	15.25	540
	C80GV027	TMS640	CRANES, HYDRAULIC, TRUCK MTD, 40 TON, 105' BOOM, 8X4X4	250 HP	D-off		$486,319	75.79	19.71	25.41	7.00	12.71	743
	C80GV006	TMS-700B	CRANES, HYDRAULIC, TRUCK MTD, 50 TON, 110' BOOM, 8X4	400 HP	D-off		$542,381	91.76	22.08	28.53	7.81	20.34	771
	C80GV029	TMS750E	CRANES, HYDRAULIC, TRUCK MTD, 50 TON, 110' BOOM, 8X4X4	400 HP	D-off		$593,474	98.75	24.05	31.01	8.54	20.34	947
	C80GV028	AT700D	CRANES, HYDRAULIC, TRUCK MTD, 50 TON, 110' BOOM, 8X8X8	400 HP	D-off		$623,672	102.33	25.29	32.61	8.98	20.34	856
	C80GV026	GMK 3050	CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 55 TON, 125' BOOM, 8X4	348 HP	D-off		$584,835	93.94	23.74	30.63	8.42	17.69	745
	C80GV030	TMS760E	CRANES, HYDRAULIC, TRUCK MTD, 60 TON, 110' BOOM, 8X4X4	400 HP	D-off		$594,486	98.87	24.09	31.06	8.56	20.34	949
			LINK-BELT CONSTRUCTION EQUIPMENT COMPANY										
	C80LI009	HTC-8640	CRANES, HYDRAULIC, TRUCK MTD, 40 TON, 105' BOOM, 6X4X2	350 HP	D-off		$371,218	68.48	15.03	19.37	5.34	17.79	575
	C80LI010	HTC-8650	CRANES, HYDRAULIC, TRUCK MTD, 50 TON, 110' BOOM, 8X4X4	315 HP	D-off		$446,486	75.16	18.10	23.33	6.43	16.01	757
	C80LI011	HTC-8660	CRANES, HYDRAULIC, TRUCK MTD, 60 TON, 110' BOOM, 8X4X4	365 HP	D-off		$466,016	81.29	18.83	24.24	6.71	18.56	825
			TEREX CORPORATION										
	C80TE001	T230	CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 30 TON, 94' BOOM, 6X4	250 HP	D-off		$385,445	63.25	15.65	20.20	5.55	12.71	506
	C80TE002	T335/40	CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 40 TON, 94' BOOM, 6X4	250 HP	D-off		$308,746	54.36	12.49	16.08	4.45	12.71	493
	C80TE003	T 500	CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 50 TON, 110' BOOM, 8X4	370 HP	D-off		$410,647	74.99	16.57	21.32	5.91	18.81	806

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C80			*TEREX CORPORATION (continued)*									
	C80TE007	T 560	CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 60 TON, 110' BOOM, 8X4X4, 32 FT	316 HP D-off		$405,511	70.62	16.39	21.10	5.84	16.07	736
	SUBCATEGORY 0.03		**66 TON THRU 125 TON**									
			GROVE CRANES									
	C80GV020	TMS-870	CRANES, HYDRAULIC, TRUCK MTD, 70 TON, 110' BOOM, 8X4	400 HP D-off		$704,513	107.84	26.51	32.90	10.06	20.34	9,161
	C80GV031	TMS875C	CRANES, HYDRAULIC, TRUCK MTD, 75 TON, 110' BOOM, 8X4X4	400 HP D-off		$673,916	104.84	25.30	31.36	9.62	20.34	817
	C80GV032	GMK4090	CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 80 TON, 142' BOOM, 8X6X8	422 HP D-off		$897,705	136.91	33.63	41.61	12.82	21.45	1,184
	C80GV022	TMS-9120	CRANES, HYDRAULIC, TRUCK MTD, 120 TON, 110' BOOM, 8X4	400 HP D-off		$1,234,744	167.97	46.60	57.94	17.63	20.34	1,095
			LINK-BELT CONSTRUCTION EQUIPMENT CO.									
	C80LB001	HTC-8670	CRANES, HYDRAULIC, TRUCK MTD, 70 TON, 115' BOOM, 8X4	365 HP D-off		$559,526	89.46	20.98	25.98	7.99	18.56	936
	C80LB002	HTC-11100	CRANES, HYDRAULIC, TRUCK MTD, 100 TON, 115' BOOM, 8X4	430 HP D-off		$752,047	116.33	28.20	34.91	10.74	21.86	1,139
			TADANO AMERICA CORPORATION									
	C80TD001	ATF-650XL	CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 65 TON, 132' BOOM, 8X8	121 HP D-off	349 HP D-on	$624,922	87.02	23.31	28.77	8.92	9.83	1,090
	C80TD002	ATF-1000XL	CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 100 TON, 138' BOOM, 8X8	158 HP D-off	375 HP D-on	$780,407	107.29	29.20	36.11	11.14	11.99	1,070
	SUBCATEGORY 0.04		**OVER 125 TON**									
			GROVE CRANES									
	C80GV013	GMK 5240	CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 125 TON, 197' BOOM, 10X8	174 HP D-off	600 HP D-on	$1,763,868	222.07	62.11	74.09	25.06	15.18	1,180
	C80GV014	GMK 5240	CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 165 TON, 197' BOOM, 10X8	174 HP D-off	600 HP D-on	$1,768,113	222.53	62.26	74.27	25.12	15.18	1,336
	C80GV015	GMK 5240	CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 200 TON, 197' BOOM, 10X8	174 HP D-off	600 HP D-on	$1,772,785	223.05	62.43	74.47	25.19	15.18	2,348

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	ENGINE HORSEPOWER - FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
C80			*GROVE CRANES (continued)*									
	C80GV016	GMK 6350	CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 200 TON, 197' BOOM, 12X8	165 HP D-off	525 HP D-on	$2,501,572	302.78	88.18	105.26	35.55	13.93	1,425
			TADANO AMERICA CORPORATION									
	C80TD005	ATF-1500XL	CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 150 TON, 162' BOOM, 10X8	533 HP D-off	503 HP D-on	$936,606	148.56	32.80	38.97	13.31	32.41	1,330
C85	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER MOUNTED											
	SUBCATEGORY 0.12		**DRAGLINE, CLAMSHELL, OVER 1.0 CY THRU 2.5 CY**									
			LINK-BELT CONSTRUCTION EQUIPMENT CO.									
	C85LB019	LS-208H II	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 80 TON, 100' BOOM (ADD BUCKET)	263 HP D-off		$651,850	98.25	26.02	32.59	9.72	11.21	1,480
	C85LB020	LS-218H II	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 100 TON, 100' BOOM (ADD BUCKET)	263 HP D-off		$857,054	124.30	34.21	42.85	12.78	11.21	1,773
			TEREX CORPORATION									
	C85TE001	5220	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 50 TON, 100' BOOM (ADD BUCKET)	150 HP D-off		$556,299	79.47	22.21	27.81	8.30	6.40	831
	C85TE002	7225	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 85 TON, 100' BOOM (ADD BUCKET)	250 HP D-off		$773,584	112.95	30.88	38.68	11.54	10.66	1,259
	SUBCATEGORY 0.13		**DRAGLINE, CLAMSHELL, OVER 2.5 CY THRU 5.0 CY**									
			LINK-BELT CONSTRUCTION EQUIPMENT CO.									
	C85LB021	LS-238H	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 150 TON, 100' BOOM (ADD BUCKET)	207 HP D-off		$947,522	125.56	35.10	42.11	14.04	8.83	2,435
	C85LB022	LS-248H II	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 200 TON, 120' BOOM (ADD BUCKET)	248 HP D-off		$1,268,029	166.48	46.97	56.36	18.79	10.57	3,228

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			MANITOWOC ENGINEERING CO.									
	C85MA001	222HD	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 3.5 CY, 80' BOOM (ADD BUCKET)	350 HP D-off		$879,188	124.92	32.57	39.08	13.03	14.92	1,988
	C85MA002	777	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 5.0 CY, 130' BOOM (ADD BUCKET)	340 HP D-off		$1,073,011	147.82	39.75	47.69	15.90	14.50	3,815
			TEREX CORPORATION									
	C85TE003	9225	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 150 TON, 100' BOOM (ADD BUCKET)	335 HP D-off		$971,946	135.32	36.00	43.20	14.40	14.28	2,482
	SUBCATEGORY 0.14		**DRAGLINE, CLAMSHELL, OVER 5.0 CY**									
			LINK-BELT CONSTRUCTION EQUIPMENT CO.									
	C85LB023	LS-278H	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 250 TON, 120' BOOM (ADD BUCKET)	440 HP D-off		$1,543,263	202.95	53.63	61.73	22.76	18.76	4,313
			MANITOWOC ENGINEERING CO.									
	C85MA003	999	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 7.0 CY, 140' BOOM (ADD BUCKET)	375 HP D-off		$1,600,017	206.02	55.60	64.00	23.60	15.99	5,100
	C85MA009	888	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 10 CY, 70' BOOM (ADD BUCKET)	340 HP D-off		$1,409,448	182.01	48.98	56.38	20.79	14.50	3,397
	SUBCATEGORY 0.22		**LIFTING, 26 TON THRU 50 TON**									
			KOBELCO AMERICA INC.									
	C85KC007	CK550	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 50 TON, 30' BOOM, LIFTING	178 HP D-off		$510,358	61.89	18.90	22.68	7.56	5.55	1,001

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			LINK-BELT CONSTRUCTION EQUIPMENT CO.									
	C85LB018	LS-108H II	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 50 TON, 70' BOOM, LIFTING	147 HP D-off		$415,547	50.47	15.40	18.47	6.16	4.58	1,040
	SUBCATEGORY 0.23		**LIFTING, 51 TON THRU 150 TON**									
			KOBELCO AMERICA INC.									
	C85KC004	CK550	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 55 TON, 160' BOOM, LIFTING	178 HP D-off		$551,575	65.57	19.56	23.44	7.84	5.55	1,071
	C85KC005	CK850	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 85 TON, 180' BOOM, LIFTING	213 HP D-off		$634,822	75.79	22.51	26.98	9.02	6.64	1,729
	C85KC003	CK1000	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 100 TON, 200' BOOM, LIFTING	265 HP D-off		$873,146	103.15	30.97	37.11	12.41	8.26	1,899
			LINK-BELT CONSTRUCTION EQUIPMENT CO.									
	C85LB013	LS-208H II	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 80 TON, 190' BOOM, LIFTING	263 HP D-off		$686,991	83.27	24.36	29.20	9.76	8.20	1,456
	C85LB014	LS-218H II	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 110 TON, 230' BOOM, LIFTING	263 HP D-off		$901,451	106.07	31.97	38.31	12.81	8.20	1,906
	C85LB015	LS-238H	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 150 TON, 240' BOOM, LIFTING	207 HP D-off		$1,014,858	115.95	35.99	43.13	14.42	6.45	2,553
			LINK-BELT CONSTRUCTION EQUIPMENT COMPANY									
	C85LI001	LS-138H SERIES II	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 80 TON, 40' TUBULAR BOOM, LIFTING	207 HP D-off		$574,857	69.17	20.39	24.43	8.17	6.45	1,454
			MANITOWOC ENGINEERING CO.									
	C85MA004	222HD	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 100 TON, 210' BOOM, LIFTING	350 HP D-off		$868,076	105.92	30.79	36.89	12.34	10.91	2,354
	C85MA008	555	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 100 TON, 260' BOOM, LIFTING	335 HP D-off		$858,681	104.32	30.45	36.49	12.20	10.44	3,121
	C85MA005	555	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 150 TON, 250' BOOM, LIFTING	335 HP D-off		$811,694	99.33	28.78	34.50	11.53	10.44	2,744

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			TEREX CORPORATION									
	C85TE008	HC 80	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 80 TON, 200' BOOM, LIFTING	184 HP D-off		$602,135	71.18	21.36	25.59	8.56	5.73	1,527
	C85TE009	HC 100	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 100 TON, 230' BOOM, LIFTING	230 HP D-off		$749,517	88.64	26.58	31.85	10.65	7.17	2,033
	C85TE010	HC 125	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 125 TON, 240' BOOM, LIFTING	240 HP D-off		$953,757	110.73	33.82	40.53	13.55	7.48	2,128
	SUBCATEGORY 0.24		**LIFTING, OVER 150 TON**									
			AMERICAN CRANE CORPORATION									
	C85AM016	HC 185	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 185 TON, 50' BOOM, LIFTING	315 HP D-off		$1,086,744	124.63	36.37	41.99	15.37	9.82	2,804
	C85AM017	HC 210	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 210 TON, 50' BOOM, LIFTING	315 HP D-off		$1,153,544	131.52	38.60	44.57	16.31	9.82	3,344
			KOBELCO AMERICA INC.									
	C85KC008	CK2000	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 200 TON, 50' BOOM, LIFTING	316 HP D-off		$1,154,974	131.70	38.64	44.62	16.33	9.85	3,622
	C85KC006	CK2500	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 250 TON, 280' BOOM, LIFTING	279 HP D-off		$1,627,650	179.00	54.46	62.89	23.01	8.69	4,985
			LINK-BELT CONSTRUCTION EQUIPMENT CO.									
	C85LB016	LS-248H II	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 200 TON, 280' BOOM, LIFTING	248 HP D-off		$1,321,179	146.16	44.21	51.05	18.68	7.73	3,341
	C85LB017	LS-278H	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 250 TON, 330' BOOM, LIFTING	440 HP D-off		$1,728,258	195.77	57.83	66.77	24.44	13.71	4,309
			MANITOWOC ENGINEERING CO.									
	C85MA006	777	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 200 TON, 260' BOOM, LIFTING	340 HP D-off		$1,127,834	129.85	37.74	43.58	15.95	10.59	3,929
	C85MA010	888	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 230 TON, 300' BOOM, LIFTING	340 HP D-off		$1,443,842	162.44	48.30	55.78	20.41	10.59	3,697
	C85MA007	999	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 250 TON, 260' BOOM, LIFTING	375 HP D-off		$1,593,035	179.24	53.30	61.55	22.52	11.69	4,942

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER		VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
			TEREX CORPORATION											
	C85TE014	HC 185	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 185 TON, 280' BOOM, LIFTING	315 HP	D-off			$1,284,757	145.06	42.99	49.64	18.17	9.82	3,076
	C85TE011	HC 210	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 210 TON, 280' BOOM, LIFTING	315 HP	D-off			$1,406,173	157.58	47.05	54.33	19.88	9.82	3,708
	C85TE012	9310-A	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 225 TON, 280' BOOM, LIFTING	335 HP	D-off			$1,410,745	158.85	47.21	54.51	19.95	10.44	3,984
	C85TE013	9320	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 250 TON, 280' BOOM, LIFTING	335 HP	D-off			$1,548,584	173.07	51.82	59.83	21.90	10.44	4,273
C90	CRANES, MECHANICAL, LATTICE BOOM, TRUCK MOUNTED													
	SUBCATEGORY 0.04		**OVER 125 TON**											
			LINK-BELT CONSTRUCTION EQUIPMENT CO.											
	C90LB001	HC-238H II	CRANES, MECHANICAL, LATTICE BOOM, TRUCK MTD, 150 TON, 260' BOOM, 8X4	207 HP	D-off	430 HP	D-on	$1,245,286	156.28	43.03	49.31	18.37	12.69	1,913
	C90LB002	HC-248H	CRANES, MECHANICAL, LATTICE BOOM, TRUCK MTD, 200 TON, 280' BOOM, 8X4	248 HP	D-off	430 HP	D-on	$1,434,981	178.71	49.61	56.90	21.16	14.30	2,476
	C90LB003	HC-278H	CRANES, MECHANICAL, LATTICE BOOM, TRUCK MTD, 300 TON, 330' BOOM, 12X6	360 HP	D-off	430 HP	D-on	$2,278,614	278.04	78.81	90.39	33.61	18.71	3,385
C95	CRANES, TOWER													
	SUBCATEGORY 0.00		**CRANES, TOWER**											
			PECCO AND WOLFF TOWER CRANES											
	C95AP004	SK200	TOWER CRANE, 3.4 TON @ 181' RADIUS 42.6' HEIGHT (ADD 95KW GENERATOR & T-SECTION)	128 HP	E			$446,320	64.17	16.53	19.84	6.61	5.82	970
	C95AP005	S16-35 TOWER SECTION	TOWER CRANE OPTION, 1.1' T-TRANSITION S35 - S16 (ADD SK 140 - SK 225 TOWER CRANE)					$14,085	1.62	0.53	0.63	0.21	0.00	16
	C95AP006	S35 TOWER SECTION	TOWER CRANE OPTION, 19.33' TOWER SECTION (ADD TO SK 140 - SK 400 TOWER CRANE)					$25,974	2.96	0.96	1.15	0.38	0.00	89

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C95			*PECCO AND WOLFF TOWER CRANES (continued)*										
	C95AP007	SK400	TOWER CRANE, 3.3 TON @ 245' RADIUS, 56.7' HEIGHT (ADD 160 KW GENERATOR & T-SECTION)	213HP	E		$704,312	100.75	26.09	31.30	10.44	9.69	1,783
	C95AP008	S35 CLIMBING UNIT	TOWER CRANE OPTION, 29.2' CLIMBING UNIT (ADD TO SK 200 - SK 400 TOWER CRANE)				$106,762	12.70	3.95	4.74	1.58	0.00	248
	C95AP009	S35-60 TOWER SECTION	TOWER CRANE OPTION, 19.4' T-TRANSITION S60 S35 (ADD SK 225 - SK 560 TOWER CRANE)				$35,235	4.03	1.31	1.57	0.52	0.00	99
	C95AP010	SK560	TOWER CRANE, 2.8 TON @ 265' RADIUS, 76.5' HEIGHT (ADD 161 KW GENERATOR &T-SECTION)	217HP	E		$943,022	128.32	34.93	41.91	13.97	9.87	1,557
	C95AP011	S60 TOWER SECTION	TOWER CRANE OPTION, 19.33' TOWER SECTION (ADD TO SK 225 - SK 560 TOWER CRANE)				$32,860	3.76	1.22	1.46	0.49	0.00	99
	C95AP012	S60 CLIMB UNIT	TOWER CRANE OPTION, 32.8' CLIMBING UNIT (ADD TO SK 225 - SK 560 TOWER CRANE)				$133,651	15.79	4.95	5.94	1.98	0.00	258
	C95AP013	SN355	TOWER CRANE, 3.8 TON @ 197' RADIUS, 110' TALL, LUFFING (ADD 300 KW GENERATOR & T-SECTION)	354HP	E		$897,231	132.88	33.24	39.88	13.30	16.11	2,748
	C95AP014	SN35 TOWER SECTION	TOWER CRANE OPTION, 14.75' TOWER SECTION (ADD TO SN 141 - SN 355 TOWER CRANE)				$29,914	3.42	1.11	1.33	0.44	0.00	89
	C95AP015	SN35 CLIMBING UNIT	TOWER CRANE OPTION, 29.2' CLIMBING UNIT (ADD TO SN 141 - SN 355 TOWER CRANE)				$116,332	13.80	4.31	5.17	1.72	0.00	248
	C95AP016	S35N-60TOWER SECTION	TOWER CRANE OPTION, 19.4' T-TRANSITION S60 S35N (ADD SN 141 - SK 355 TOWER CRANE)				$40,419	4.63	1.50	1.80	0.60	0.00	99
	C95AP017	SK140	TOWER CRANE, 3.1 TON @ 151' RADIUS, 85.0' HEIGHT (ADD 95KW GENERATOR & T-SECTION)	125HP	E		$378,987	55.27	14.04	16.84	5.62	5.69	1,309
	C95AP018	S16 TOWER SECTION	TOWER CRANE OPTION, 14.75' TOWER SECTION (ADD TO SK 140 - SK 200 TOWER CRANE)				$12,305	1.41	0.46	0.55	0.18	0.00	55
	C95AP019	S16 CLIMBING UNIT	TOWER CRANE OPTION, 29.2' CLIMBING UNIT (ADD TO SK140 - SK 200 TOWER CRANE)				$72,014	8.74	2.67	3.20	1.07	0.00	165
	C95AP020	SN141	TOWER CRANE, 1.6 TON @ 147' RADIUS, 89' TALL, LUFFING (ADD 200 KW GENERATOR & T-SECTION)	223HP	E		$419,086	66.85	15.53	18.63	6.21	10.15	1,082

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		ENGINE HORSEPOWER - FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
C95			*PECCO AND WOLFF TOWER CRANES (continued)*										
	C95AP021	SN160-16	TOWER CRANE, 2.8 TON @ 164' RADIUS, 88' TALL, LUFFING (ADD 250 KW GENERATOR & T-SECTION)	258 HP	E		$657,511	97.60	24.35	29.22	9.74	11.74	1,179
	C95AP022	PH5000-12	TOWER CRANE OPTION, 24 PERSON / 2.4 TON MATERIAL ELEVATOR/HOIST (ADD 4.9' MAST SECTION & 18 KW GENERATOR)	24 HP	E		$98,742	14.00	3.66	4.39	1.46	1.09	130
	C95AP023	MAST SECTION	TOWER CRANE OPTION, 4.9' MAST-> PERSON/MATERIAL ELEVATOR/HOIST (ADD WALL TIE & CABLE GUIDE @30')				$2,332	0.26	0.08	0.10	0.03	0.00	3
			MORROW EQUIPMENT COMPANY, LLC										
	C95LH022	97K	TOWER CRANE, HORIZONTAL BOOM, JIB CRANE, 13.2 TON MAX, 1.9 TON @ 148' RADIUS, 66' HEIGHT, SELF/ERECTING, W/FIVE - 7' 10" TOWER SECTIONS/ & ROAD TRANSPORT EQUIPMENT (ADD 40KW GENERATOR)	35 HP	E		$343,088	44.10	12.62	15.08	5.08	1.59	1,593
	C95LH023	140K	TOWER CRANE, HORIZONTAL BOOM, JIB CRANE, 11.0 TON MAX, 1.7 TON @ 180' RAD 146' HEIGHT, SELF/ERECTING, W/EIGHT - 9' 10" TOWER SECTIONS/ & ROAD TRANSPORT EQUIPMENT (ADD 60KW GENERATOR)	65 HP	E		$480,268	63.03	17.69	21.14	7.12	2.96	1,836
	C95LH003	132 HC	TOWER CRANE, HORIZONTAL BOOM, JIB CRANE, 8.8 TON MAX, 2.4 TON @ 168' RADIUS, 147.8' HEIGHT, W/FOURTEEN - 8' 2" TOWER SECTIONS (ADD 85 KW GENERATOR)	109 HP	E		$388,386	55.19	14.39	17.26	5.76	4.96	1,156
	C95LH005	200 HC	TOWER CRANE, HORIZONTAL BOOM, JIB CRANE, 11.0 TON MAX, 2.5 TON @ 201' RADIUS, 162.7' HEIGHT, W/NINE - 13' 7" TOWER SECTIONS (ADD 110 KW GENERATOR)	148 HP	E		$505,718	72.39	18.73	22.48	7.49	6.73	1,374
	C95LH011	390 HC	TOWER CRANE, HORIZONTAL BOOM, JIB CRANE, 17.6 TON MAX, 3.3 TON @ 246' RADIUS, 199.1' HEIGHT, W/NINE - 19' 0" TOWER SECTIONS (ADD 170 KW GENERATOR)	223 HP	E		$944,131	128.89	34.97	41.96	13.99	10.15	2,744
	C95LH013	550 HC20	TOWER CRANE, HORIZONTAL BOOM, JIB CRANE, 22.0 TON MAX, 3.8 TON @ 265' RADIUS, 237.5' HEIGHT, W/TWELVE - 19' 0" TOWER SECTIONS (ADD 170 KW GENERATOR)	223 HP	E		$1,204,882	158.72	44.64	53.55	17.86	10.15	3,765

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C95			*MORROW EQUIPMENT COMPANY, LLC (continued)*										
	C95LH015	550 HC-L	TOWER CRANE, 26.4 TON MAX, 3/4 TON @ 197' RADIUS, 210' HEIGHT, LUFFING, W/SIX 19' 0" TOWER SECTION (ADD 480 KW GENERATOR)	317 HP	E		$1,605,637	213.24	59.47	71.36	23.79	14.42	5,075
D10	HYDRAULIC TRACK (Add cost for drill steel and bit wear)												
	SUBCATEGORY 0.10		**AIR TRACK (Add cost for drill steel and bit wear)**										
			INGERSOLL RAND ROCK DRILL DIV										
	D10IR003	ECM350/VL140	DRILL, AIR TRACK, CRAWLER, 2.5-4" DIA, 12' FEED (ADD COST FOR DRILL STEEL AND BIT WEAR, ADD 750 CFM COMPRESSOR)	750 CFM	A		$128,012	20.72	5.42	6.86	1.99	0.00	129
			SULLIVAN INDUSTRIES, INC.										
	D10SU002	RAM EXT, VCR360	DRILL, AIR TRACK, CRAWLER, 2.5-4" DIA, 12' FEED (ADD COST FOR DRILL STEEL AND BIT WEAR, ADD 750 CFM COMPRESSOR)	750 CFM	A		$157,750	25.37	6.69	8.45	2.46	0.00	152
	D10SU003	RAM EXT, VCR361	DRILL, AIR TRACK, CRAWLER, 3.0-4" DIA, 12' FEED (ADD COST FOR DRILL STEEL AND BIT WEAR, ADD 900 CFM COMPRESSOR)	900 CFM	A		$161,084	25.89	6.83	8.63	2.51	0.00	205
	SUBCATEGORY 0.20		**HYDRAULIC TRACK (Add cost for drill steel and bit wear)**										
			INGERSOLL RAND ROCK DRILL DIV										
	D10IR005	ECM590/YH80A	DRILL, HYDRAULIC TRACK, CRAWLER, 2.5-4.5" DIA, 14' DRIFTER TRAVEL, SELF-CONTAINED (ADD COST FOR DRILL STEEL AND BIT WEAR)	215 HP	D-off		$345,764	91.01	18.48	25.93	5.51	13.40	245
			SULLIVAN INDUSTRIES, INC.										
	D10SU005	SCORPION VCR360	DRILL, HYDRAULIC TRACK, CRAWLER, 5.25" DIA, 12' FEED (ADD COST FOR DRILL STEEL AND BIT WEAR)	260 HP	D-off		$174,861	58.43	9.34	13.11	2.78	16.20	265

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
D10			*SULLIVAN INDUSTRIES, INC. (continued)*										
	D10SU006	SCORPION VCR361	DRILL, HYDRAULIC TRACK, CRAWLER, 6.5" DIA, 12' FEED (ADD COST FOR DRILL STEEL AND BIT WEAR)	260 HP	D-off		$177,006	58.90	9.46	13.28	2.82	16.20	265
D15	**DRILLS, HORIZONTAL BORING & GROUND PIERCING (Add cost for drill steel and bit wear)**												
	SUBCATEGORY 0.00		**DRILLS, HORIZONTAL BORING & GROUND PIERCING (Add cost for drill steel and bit wear)**										
			BOR-IT MANUFACTURING COMPANY INC.										
	D15BI001	12 MIGHT MAX	DRILL, HORIZONTAL BORING, 12" DIA, COMBINED HEAD 28,000 LBS THRUST, W/100' AUGER TRACK (ADD COST FOR DRILL STEEL AND BIT WEAR)	12 HP	G		$12,321	4.68	0.66	0.92	0.20	1.63	18
	D15BI002	20 POWER HOUSE II	DRILL, HORIZONTAL BORING, 20" DIA, COMBINED HEAD 44,000 LBS THRUST, W/100' AUGER TRACK (ADD COST FOR DRILL STEEL AND BIT WEAR)	20 HP	D-off		$22,237	6.10	1.19	1.67	0.35	1.25	15
	D15BI003	24 BRUTE	DRILL, HORIZONTAL BORING, 24" DIA, COMBINED HEAD 84,000 LBS THRUST, W/100' AUGER TRACK (ADD COST FOR DRILL STEEL AND BIT WEAR)	30 HP	D-off		$33,337	9.13	1.78	2.50	0.53	1.87	38
	D15BI004	30 POWER PLUS	DRILL, HORIZONTAL BORING, 30" DIA, COMBINED HEAD 170,000 LBS THRUST, W/100' AUGER TRACK (ADD COST FOR DRILL STEEL AND BIT WEAR)	45 HP	D-off		$51,960	14.09	2.78	3.90	0.83	2.80	70
	D15BI005	36 WORKHORSE	DRILL, HORIZONTAL BORING, 36" DIA, COMBINED HEAD 225,000 LBS THRUST, W/100' AUGER TRACK (ADD COST FOR DRILL STEEL AND BIT WEAR)	68 HP	D-off		$72,151	20.02	3.86	5.41	1.15	4.24	90
	D15BI006	48 TERMINATOR	DRILL, HORIZONTAL BORING, 48" DIA, COMBINED HEAD 525,000 LBS THRUST, W/100' AUGER TRACK (ADD COST FOR DRILL STEEL AND BIT WEAR)	119 HP	D-off		$114,079	32.61	6.10	8.56	1.82	7.42	170
	D15BI008	54 TERMINATOR II	DRILL, HORIZONTAL BORING, 54" DIA, COMBINED HEAD 32,700,000 LBS THRUST, W/100' AUGER TRACK (ADD COST FOR DRILL STEEL AND BIT WEAR)	171 HP	D-off		$140,328	42.11	7.49	10.52	2.23	10.66	250

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
D15			*BOR-IT MANUFACTURING COMPANY INC. (continued)*									
	D15BI007	60	DRILL, HORIZONTAL BORING, 60" DIA, COMBINED HEAD 1,100,000 LBS THRUST, W/100' AUGER TRACK (ADD COST FOR DRILL STEEL AND BIT WEAR)	171HP D-off		$167,391	47.53	8.95	12.55	2.67	10.66	250
			NO SPECIFIC MANUFACTURER									
	D15XX001	MC-500H	DRILL, HORIZONTAL BORING, 3" - 6" DIA, 15,000 LBS THRUST, HYDRAULIC MOTOR (ADD COST FOR DRILL STEEL AND BIT WEAR)			$6,496	1.30	0.35	0.49	0.10	0.00	10
	D15XX002	H-12/RM-12	DRILL, HORIZONTAL BORING, 4" - 12" DIA, 24,000 LBS THRUST, HYDRAULIC MOTOR (ADD COST FOR DRILL STEEL AND BIT WEAR)			$9,811	1.97	0.53	0.74	0.16	0.00	12
D20	DRILLS, CORE, COLUMN MOUNTED (Add cost for drill steel and bit wear)											
	SUBCATEGORY 0.00		**DRILLS, CORE, COLUMN MOUNTED (Add cost for drill steel and bit wear)**									
			ACKER DRILL COMPANY INC.									
	D20AD005	630-E	DRILL, CORE, COLUMN MOUNTED, 4" DIA MAX CORE HOLE (ADD COST FOR DRILL STEEL AND BIT WEAR)	2HP E		$4,534	1.50	0.29	0.43	0.07	0.11	1
	D20AD002	930-E	DRILL, CORE, COLUMN MOUNTED, 10" DIA MAX CORE HOLE (ADD COST FOR DRILL STEEL AND BIT WEAR)	2HP E		$4,599	1.51	0.29	0.43	0.07	0.11	2
	D20AD006	1040-E	DRILL, CORE, COLUMN MOUNTED, 10" DIA MAX CORE HOLE (ADD COST FOR DRILL STEEL AND BIT WEAR)	4HP E		$7,511	2.52	0.47	0.70	0.12	0.22	1
	D20AD007	1200-G	DRILL, CORE, COLUMN MOUNTED, 12" DIA MAX CORE HOLE (ADD COST FOR DRILL STEEL AND BIT WEAR)	8HP E		$12,382	4.43	0.78	1.16	0.20	0.45	3
			CUSHION CUT, INC.									
	D20CQ001	HCD24/12	DRILL, CORE, COLUMN MOUNTED, 9"-36" BIT DIA (ADD COST FOR DRILL STEEL AND BIT WEAR)	42HP G		$29,027	15.19	1.83	2.72	0.47	5.72	11

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
			BOART LONGYEAR COMPANY										
	D20LY001	752	DRILL, CORE, COLUMN MOUNTED, 1.5"-6" BIT DIA, W/E4-230/110 MOTOR (110V) (ADD COST FOR DRILL STEEL AND BIT WEAR)	3HP	E		$6,674	2.36	0.43	0.63	0.11	0.17	2
	D20LY002	42N	DRILL, CORE, COLUMN MOUNTED, 0.5"-36" BIT DIA, W/A4-350 MOTOR (ADD COST FOR DRILL STEEL AND BIT WEAR AND ADD 185 CFM AIR COMPRESSOR)	185CFM	A		$6,893	2.25	0.44	0.65	0.11	0.00	3
D25	DRILLS, CORE & DOWELLING (Add cost for drill steel and bit wear)												
	SUBCATEGORY 0.00		**DRILLS, CORE & DOWELLING (Add cost for drill steel and bit wear)**										
			ACKER DRILL COMPANY INC.										
	D25AD004	ACEW	DRILL, CORE, SKID MTD, 725' MAX DRILL DEPTH (ADD COST FOR DRILL STEEL AND BIT WEAR)	28HP	D-off		$64,331	15.85	3.43	4.82	1.02	1.74	35
	D25AD003	BUSH MASTER	DRILL, CORE, SKID MTD, NX, 1500' MAX DRILL DEPTH (ADD COST FOR DRILL STEEL AND BIT WEAR)	69HP	D-off		$80,629	22.57	4.31	6.05	1.28	4.30	45
			E-Z DRILL, INC.										
	D25EZ002	210 B	DRILL, CORE, SKID MTD, HORIZONTAL DOWELLING ASSEMBLY, 18" DEPTH (ADD COST FOR DRILL STEEL AND BIT WEAR, ADD 100 CFM COMPRESSOR)	100CFM	A		$6,669	1.92	0.35	0.48	0.11	0.00	3
	D25EZ003	210 B SRA	DRILL, CORE, SKID MTD, HORIZONTAL DOWELLING ASSEMBLY, 18" DEPTH (ADD COST FOR DRILL STEEL AND BIT WEAR, ADD 100 CFM COMPRESSOR)	100CFM	A		$7,132	2.01	0.37	0.52	0.11	0.00	3
	D25EZ001	210 B SR HORIZONTAL	DRILL, CORE, SKID MTD, HORIZONTAL DOWELLING ASSEMBLY, 18" DEPTH (ADD COST FOR DRILL STEEL AND BIT WEAR, ADD 100 CFM COMPRESSOR)	100CFM	A		$7,780	2.14	0.41	0.58	0.12	0.00	3
	D25EZ005	210-3 SRA	DRILL, CORE, DOWELLING MACHINE, SELF PROPELLED, 18" DEPTH (ADD COST FOR DRILL STEEL AND BIT WEAR, ADD 100 CFM COMPRESSOR)	100CFM	A		$26,632	6.90	1.41	1.97	0.42	0.00	12

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER		VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
D30	DRILLS, EARTH / AUGER (Add cost for drill steel and cutting edge wear)													
	SUBCATEGORY 0.00		**DRILLS, EARTH / AUGER (Add cost for drill steel and cutting edge wear)**											
			HYDRAULIC POWER SYSTEMS, INC.											
	D30HD001	H-15	DRILL, AUGER, HYDRAULIC, W/60' 8" X 21" LEADS, 15,000 FT-LBS TORQUE (ADD COST FOR DRILL STEEL AND CUTTING EDGE WEAR AND CRANE)	210 HP	D-off			$103,233	41.14	5.51	7.74	1.64	13.09	146
	D30HD002	H-35VT	DRILL, AUGER, HYDRAULIC, W/60' 8" X 27" LEADS, 33,000 FT-LBS TORQUE (ADD COST FOR DRILL STEEL AND CUTTING EDGE WEAR AND CRANE)	270 HP	D-off			$155,166	58.10	8.29	11.64	2.47	16.83	200
	D30HD003	H-50VT	DRILL, AUGER, HYDRAULIC, W/60' 8" X 33" LEADS, 50,000 FT-LBS TORQUE (ADD COST FOR DRILL STEEL AND CUTTING EDGE WEAR AND CRANE)	335 HP	D-off			$202,284	74.43	10.81	15.17	3.22	20.88	269
			FOREMOST MOBILE DRILLING COMPANY, INC.											
	D30MR001	MINUTEMAN	DRILL, EARTH / AUGER, W/AUGER KIT, 3" DIA, 30' DEPTH, 350 FT-LBS TORQUE, PORTABLE (ADD COST FOR DRILL STEEL AND CUTTING EDGE WEAR)	8 HP	G			$8,787	3.35	0.47	0.66	0.14	1.09	4
	D30MR003	B-31	DRILL, EARTH / AUGER, HYDRAULIC AUGER, 14" DIA, 30' DEPTH, 3,500 FT-LBS TORQUE, TRAILER MOUNTED (ADD COST FOR DRILL STEEL AND CUTTING EDGE WEAR)	58 HP	D-off			$87,879	23.39	4.66	6.52	1.40	3.61	42
	D30MR005	B-53	DRILL, EARTH / AUGER, MULTI-PURPOSE, 6" DIA, 245' DEPTH, 5,955 FT-LBS TORQUE, W/21,000 GVW TRUCK (W/PTO DRIVE)(ADD COST FOR DRILL STEEL AND CUTTING EDGE WEAR)	100 HP	D-on	2,205 HP	D-on	$161,208	75.46	8.51	11.87	2.57	31.28	120
	D30MR006	B-58	DRILL, EARTH / AUGER, MULTI-PURPOSE, 8" DIA, 250' DEPTH, 7,000 FT-LBS TORQUE W/33,000 GVW TRUCK (ADD COST FOR DRILL STEEL AND CUTTING EDGE WEAR)	115 HP	D-off	205 HP	D-on	$185,615	51.72	9.81	13.70	2.96	9.33	130

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		ENGINE HORSEPOWER - FUEL TYPE CARRIER		VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
D30			*FOREMOST MOBILE DRILLING COMPANY, INC. (continued)*											
	D30MR007	B-61HDX	DRILL, EARTH / AUGER, MULTI-PURPOSE, 8" DIA, 375' DEPTH, 20,000 FT-LBS TORQUE W/33,000 GVW TRUCK (ADD COST FOR DRILL STEEL AND CUTTING EDGE WEAR)	115 HP	D-off	205 HP	D-on	$263,814	68.31	13.99	19.57	4.20	9.33	205
D35	DRILLS, ROTARY BLASTHOLE (Add cost for drill steel and bit wear)													
	SUBCATEGORY 0.11		**DIESEL, 4.5" THRU 9.875" DIAMETER HOLE (Add cost for drill steel and bit wear)**											
			REEDRILL, INC.											
	D35RD001	SK5AD	DRILL, ROTARY BLASTHOLE, 4"-7" DIA, 12,000 LBS PULL BACK, TRUCK MTD, 148' DEEP (ADD COST FOR DRILL STEEL AND BIT WEAR)	400 HP	D-off	350 HP	D-on	$357,308	97.68	15.58	20.42	5.37	28.62	525
	D35RD004	SK40I	DRILL, ROTARY BLASTHOLE, 5"-8" DIA, 40,000 LBS PULL BACK, CRAWLER, 173' DEEP (ADD COST FOR DRILL STEEL AND BIT WEAR)	430 HP	D-off			$491,988	116.45	21.45	28.11	7.39	26.80	880
	D35RD005	SK45I	DRILL, ROTARY BLASTHOLE, LP, 6"-9" DIA, 45,000 LBS PULL BACK, CRAWLER, 178' DEEP (ADD COST FOR DRILL STEEL AND BIT WEAR)	430 HP	D-off			$497,800	117.39	21.71	28.45	7.48	26.80	900
	D35RD007	SK50I HP	DRILL, ROTARY BLASTHOLE, HP, 6.5"-9" DIA, 50,000 LBS PULL BACK, CRAWLER, 178' DEEP, (ADD COST FOR DRILL STEEL AND BIT WEAR)	750 HP	D-off			$573,304	157.90	25.00	32.76	8.62	46.74	910
	D35RD006	SK50I	DRILL, ROTARY BLASTHOLE, 7"-9.875" DIA, 50,000 LBS PULL BACK, CRAWLER, 178' DEEP (ADD COST FOR DRILL STEEL AND BIT WEAR)	430 HP	D-off			$519,118	120.76	22.63	29.66	7.80	26.80	900
	SUBCATEGORY 0.12		**DIESEL, OVER 9.875" DIAMETER (Add cost for drill steel and bit wear)**											
			INGERSOLL RAND ROTARY DRILL DIV											
	D35IB004	T3W	DRILL, ROTARY BLASTHOLE, WATER WELL 6"-24" DIA, 30,000 LB PULL BACK, TRUCK MTD (ADD COST FOR DRILL STEEL AND BIT WEAR)	465 HP	D-off	380 HP	D-on	$502,896	109.21	18.50	22.09	7.45	32.99	660

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER		VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
D35			*INGERSOLL RAND ROTARY DRILL DIV (continued)*											
	D35IB003	TH-60	DRILL, ROTARY BLASTHOLE, WATER WELL, 12" DIA, 26,500 LBS PULL BACK, TRUCK MTD (ADD COST FOR DRILL STEEL AND BIT WEAR)	475 HP	D-off	380 HP	D-on	$527,711	113.07	19.45	23.25	7.82	33.61	600
	D35IB005	T3W DEEPHOLE	DRILL, ROTARY BLASTHOLE, WATER WELL 6"-18" DIA, 50,000 LB PULL BACK, TRUCK MTD (ADD COST FOR DRILL STEEL AND BIT WEAR)	575 HP	D-off	380 HP	D-on	$583,084	128.70	21.47	25.65	8.64	39.84	688
	D35IB006	T4W	DRILL, ROTARY BLASTHOLE, WATER WELL 6"-20" DIA, 70,000 LB PULL BACK, TRUCK MTD (ADD COST FOR DRILL STEEL AND BIT WEAR)	600 HP	D-off	305 HP	D-on	$613,118	133.55	22.58	26.98	9.09	40.61	688
			REEDRILL, INC.											
	D35RD009	SK75I	DRILL, ROTARY BLASTHOLE, 9"-12" DIA, 75,000 LBS PULL BACK, CRAWLER, 175' DEEP (ADD COST FOR DRILL STEEL AND BIT WEAR)	750 HP	D-off			$810,538	166.30	30.02	36.02	12.01	46.74	1,530
F10	FORK LIFTS													
	SUBCATEGORY 0.00		**FORK LIFTS**											
			CATERPILLAR LIFT TRUCKS,											
	F10C4039	TH-62	FORK LIFT, ROUGH TERRAIN, 6,000 LBS @ 25' HIGH TELESCOPING MAST, 4X4	105 HP	D-off			$67,684	20.36	3.65	5.21	1.04	5.34	139
	F10C4040	TH-63	FORK LIFT, ROUGH TERRAIN, 6,000 LBS @ 41' HIGH TELESCOPING MAST ,4X4	105 HP	D-off			$84,564	23.46	4.58	6.56	1.30	5.34	201
	F10C4042	TH-83	FORK LIFT, ROUGH TERRAIN, 8,000 LBS @ 41' HIGH TELESCOPING MAST, 4X4	105 HP	D-off			$94,728	25.09	5.17	7.41	1.46	5.34	224
	F10C4043	TH-103	FORK LIFT, ROUGH TERRAIN, 10,000 LBS @ 44' HIGH TELESCOPING MAST, 4X4	105 HP	D-off			$109,607	28.10	5.97	8.55	1.69	5.34	266
			JCB INC.											
	F10JC001	930-4	FORK LIFT, ROUGH TERRAIN, 6,000 LBS @ 28' HIGH STRAIGHT MAST, 4X4	75 HP	D-off			$54,887	15.43	2.95	4.19	0.85	3.81	150
	F10JC002	940-4	FORK LIFT, ROUGH TERRAIN, 8,000 LBS @ 30' HIGH STRAIGHT MAST, 4X4	75 HP	D-off			$62,564	16.87	3.37	4.80	0.97	3.81	165

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			DEERE & COMPANY										
	F10JD001	485E	FORK LIFT, YARD, 5,000 LBS @ 21' HIGH TELESCOPING-STRAIGHT MAST, 4X2	73HP	D-off		$50,018	14.26	2.70	3.86	0.77	3.71	132
	F10JD002	486E	FORK LIFT, YARD, 6,000 LBS @ 21' HIGH TELESCOPING-STRAIGHT MAST, 4X2	73HP	D-off		$50,547	14.36	2.73	3.90	0.78	3.71	134
	F10JD003	488E	FORK LIFT,YARD, 8,000 LBS @ 21' HIGH TELESCOPING-STRAIGHT MAST, 4X2	73HP	D-off		$53,555	14.91	2.90	4.14	0.83	3.71	156
G10	GENERATOR SETS												
	SUBCATEGORY 0.10		**PORTABLE**										
			WACKER CORPORATION										
	G10WC001	G 3.7A	GENERATOR SET, PORTABLE, 3.7 KW, 120/240V	8HP	G		$2,147	1.59	0.15	0.24	0.03	0.89	2
	G10WC002	G 5.6A	GENERATOR SET, PORTABLE, 5.6 KW, 120/240V	11HP	G		$2,740	2.15	0.20	0.31	0.04	1.23	2
	G10WC003	GS 8.5V	GENERATOR SET, PORTABLE, 8.5 KW, 120/240V, WITH ELECTRIC START	16HP	G		$4,104	3.13	0.29	0.46	0.06	1.78	2
	G10WC004	GS 9.7V	GENERATOR SET, PORTABLE, 9.7 KW, 120/240V, WITH ELECTRIC START	18HP	G		$4,619	3.55	0.33	0.52	0.07	2.01	2
			NO SPECIFIC MANUFACTURER										
	G10XX001	1000	GENERATOR SET, PORTABLE, 1 KW	1HP	G		$862	0.32	0.06	0.10	0.01	0.11	1
	G10XX004	D4500	GENERATOR SET, PORTABLE, 5 KW	9HP	D-off		$4,987	1.65	0.35	0.56	0.07	0.46	3
	G10XX002	10000	GENERATOR SET, PORTABLE, 10 KW	19HP	G		$4,197	3.59	0.30	0.47	0.06	2.12	6
	G10XX003	10000D	GENERATOR SET, PORTABLE, 10 KW	23HP	D-off		$9,609	3.54	0.68	1.08	0.14	1.17	9
	SUBCATEGORY 0.20		**SKID MOUNTED**										
			CATERPILLAR INC. (MACHINE DIVISION)										
	G10CA020	3304 PKG - P 304DE03	GENERATOR SET, SKID MTD, 113 EKW, 240/480V, 60 HZ PGS PRIME	174HP	D-off		$23,506	15.62	1.40	2.12	0.34	8.85	37
	G10CA012	3306 PKG - 306DE39	GENERATOR SET, SKID MTD, 210 EKW, 240 VOLT, 60 HZ PGS PRIME	314HP	D-off		$29,398	25.74	1.75	2.65	0.42	15.96	50

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
G10			*CATERPILLAR INC. (MACHINE DIVISION) (continued)*										
	G10CA013	3406 PKG - 306DE30	GENERATOR SET, SKID MTD, 275 EKW, 480 VOLT, 60 HZ PGS PRIME	405 HP	D-off		$37,854	33.20	2.26	3.41	0.55	20.59	68
	G10CA014	3406 PKG - 406DE30	GENERATOR SET, SKID MTD, 365 EKW, 240/480V, 60 HZ PGS PRIME	536 HP	D-off		$49,905	43.90	2.97	4.49	0.72	27.25	72
	G10CA015	3412 PKG - 412DE3H	GENERATOR SET, SKID MTD, 455 EKW, 240/480V, 60 HZ PGS PRIME	687 HP	D-off		$69,224	57.24	4.12	6.23	1.00	34.93	93
	G10CA016	3412 PKG - 412DE30	GENERATOR SET, SKID MTD, 545 EKW, 240/480V, 60 HZ PGS PRIME	817 HP	D-off		$84,789	68.52	5.04	7.63	1.22	41.54	100
	G10CA017	3508 PKG - 508DE34	GENERATOR SET, SKID MTD, 725 EKW, 480 VOLT, 60 HZ PGS PRIME	1,089 HP	D-off		$132,895	95.01	7.90	11.96	1.92	55.36	181
	G10CA018	3512 PKG - 512DE1F	GENERATOR SET, SKID MTD, 1000 EKW, 480 VOLT, 60 HZ PGS PRIME	1,443 HP	D-off		$168,701	124.52	10.02	15.18	2.43	73.36	236
	G10CA019	3516 PKG - 516DE35	GENERATOR SET, SKID MTD, 1600 EKW, 480 VOLT, 60 HZ PGS PRIME	2,304 HP	D-off		$284,467	201.64	16.90	25.60	4.10	117.14	291
			NO SPECIFIC MANUFACTURER										
	G10XX005	25G	GENERATOR SET, SKID MTD, 25 KW	36 HP	G		$15,154	7.90	0.90	1.36	0.22	4.01	16
	G10XX006	35G	GENERATOR SET, SKID MTD, 35 KW	50 HP	G		$13,299	9.56	0.79	1.20	0.19	5.58	17
	G10XX007	50G	GENERATOR SET, SKID MTD, 50 KW	70 HP	G		$20,053	13.64	1.19	1.80	0.29	7.81	26
	G10XX008	75D	GENERATOR SET, SKID MTD, 75 KW	107 HP	D-off		$24,469	11.44	1.45	2.20	0.35	5.44	38
	G10XX009	100D	GENERATOR SET, SKID MTD, 100 KW	143 HP	D-off		$20,885	13.12	1.24	1.88	0.30	7.27	42
	G10XX010	125D	GENERATOR SET, SKID MTD, 125 KW	200 HP	D-off		$31,310	18.73	1.86	2.82	0.45	10.17	44
	G10XX011	200D	GENERATOR SET, SKID MTD, 200 KW	375 HP	D-off		$34,272	30.59	2.03	3.08	0.49	19.07	60
	G10XX012	300D	GENERATOR SET, SKID MTD, 300 KW	428 HP	D-off		$40,223	35.12	2.39	3.62	0.58	21.76	105
	G10XX013	400D	GENERATOR SET, SKID MTD, 400 KW	570 HP	D-off		$50,077	46.13	2.98	4.51	0.72	28.98	150
	G10XX014	500D	GENERATOR SET, SKID MTD, 500 KW	713 HP	D-off		$72,556	59.54	4.32	6.53	1.05	36.25	170
	G10XX015	750D	GENERATOR SET, SKID MTD, 750 KW	1,050 HP	D-off		$120,450	90.19	7.16	10.84	1.74	53.38	215
	G10XX016	1000D	GENERATOR SET, SKID MTD, 1,000 KW	1,425 HP	D-off		$171,274	123.84	10.18	15.41	2.47	72.45	250

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
G15	GRADERS, MOTOR											
	SUBCATEGORY 0.00		**GRADERS, MOTOR**									
			CATERPILLAR INC. (MACHINE DIVISION)									
	G15CA001	120-H	GRADER, MOTOR, ARTICULATED, 6X4, 12' BLADE W/17 TEETH SCARIFIERS	125HP D-off		$191,382	33.43	7.86	9.75	2.98	5.95	299
	G15CA007	135-H	GRADER, MOTOR, ARTICULATED, 6X4, 12' BLADE W/17 TEETH SCARIFIERS	135HP D-off		$203,746	35.65	8.37	10.39	3.17	6.42	309
	G15CA003	12-H	GRADER, MOTOR, ARTICULATED, 6X4, 12' BLADE W/17 TEETH SCARIFIERS	140HP D-off		$225,614	38.76	9.27	11.52	3.51	6.66	336
	G15CA004	140-H	GRADER, MOTOR, ARTICULATED, 6X4, 12' BLADE W/5 RIPPER/SCARIFIERS	165HP D-off		$241,319	42.45	9.91	12.32	3.75	7.85	347
	G15CA008	143-H	GRADER, MOTOR, ARTICULATED, 6X6, AWD, 12' BLADE W/5 RIPPER/SCARIFIERS	185HP D-off		$279,912	48.83	11.51	14.32	4.35	8.80	364
	G15CA009	160-H	GRADER, MOTOR, ARTICULATED, 6X4, 14' BLADE W/5 RIPPER/SCARIFIERS	185HP D-off		$261,413	46.39	10.74	13.35	4.06	8.80	372
	G15CA010	163-H	GRADER, MOTOR, ARTICULATED, 6X6, AWD, 14' BLADE W/5 RIPPER/SCARIFIERS	200HP D-off		$302,827	52.82	12.46	15.49	4.71	9.51	388
	G15CA005	14-H	GRADER, MOTOR, ARTICULATED, 6X4, 14' BLADE W/7 SHANK RIPPER	215HP D-off		$332,512	58.76	13.58	16.81	5.17	10.23	448
	G15CA006	16-H	GRADER, MOTOR, ARTICULATED, 6X4, 16' BLADE W/7 SHANK RIPPER	275HP D-off		$482,339	82.82	19.74	24.47	7.50	13.08	594
			DEERE & COMPANY									
	G15JD008	670CH	GRADER, MOTOR, ARTICULATED, 6X4, AWD, 12' BLADE W/5 RIPPER/SCARIFIERS	151HP D-off		$209,286	38.08	8.54	10.57	3.25	7.18	343
	G15JD009	672CH (HFWD)	GRADER, MOTOR, ARTICULATED, 6X6, AWD, 12' BLADE W/5 RIPPER/SCARIFIERS	156HP D-off		$241,445	42.75	9.87	12.23	3.75	7.42	353
	G15JD010	770CH	GRADER, MOTOR, ARTICULATED, 6X4, AWD, 12' BLADE W/5 RIPPER/SCARIFIERS	185HP D-off		$242,310	44.51	9.91	12.28	3.77	8.80	353
	G15JD011	772CH (HFWD)	GRADER, MOTOR, ARTICULATED, 6X6, AWD, 12' BLADE W/5 RIPPER/SCARIFIERS	205HP D-off		$274,036	50.12	11.22	13.92	4.26	9.75	363
			Komatsu America International Company									
	G15KM006	GD 530A-1	GRADER, MOTOR, ARTICULATED, 6X6, AWD, 13' BLADE W/11 RIPPER/SCARIFIERS	144HP D-off		$235,505	41.22	9.63	11.93	3.66	6.85	303

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
G15			*Komatsu America International Company (continued)*									
	G15KM007	GD 650A-1	GRADER, MOTOR, ARTICULATED, 6X4, 13' BLADE W/11 RIPPER/SCARIFIERS	166HP D-off		$214,256	40.38	8.69	10.72	3.33	7.89	328
	G15KM008	GD 670A-2CY	GRADER, MOTOR, ARTICULATED, 6X6, AWD, 14' BLADE W/7 SHANK RIPPER	204HP D-off		$274,605	50.92	11.19	13.84	4.27	9.70	346
	G15KM009	GD 750A-1	GRADER, MOTOR, ARTICULATED, 6X4, 16' BLADE W/7 SHANK RIPPER	245HP D-off		$351,962	63.19	14.38	17.81	5.47	11.65	409
H10	**HAMMERS, HYDRAULIC (Demolition tool) (Add cost for point wear)**											
	SUBCATEGORY 0.00		**HAMMERS, HYDRAULIC (Demolition tool) (Add cost for point wear)**									
			NPK CONSTRUCTION EQUIPMENT									
	H10NP001	E-200	HAMMERS, HYDRAULIC, 150 FT-LBS, IMPACT FREQUENCY 700 BPM (ADD 150-250 HP HYDRAULIC EXCAVATOR H25)(ADD COST FOR POINT WEAR)			$6,249	2.65	0.52	0.83	0.10	0.00	2
	H10NP002	E-201	HAMMERS, HYDRAULIC, 200 FT-LBS, IMPACT FREQUENCY 750 BPM (ADD 60-75 HP HYDRAULIC EXCAVATOR H25 OR L50)(ADD COST FOR POINT WEAR)			$6,942	2.90	0.58	0.93	0.11	0.00	2
	H10NP003	E-202	HAMMERS, HYDRAULIC, 350 FT-LBS, IMPACT FREQUENCY 800 BPM (ADD 60-75HP HYDRAULIC EXCAVATOR H25 OR L50)(ADD COST FOR POINT WEAR)			$10,380	4.33	0.86	1.38	0.17	0.00	4
	H10NP004	E-203	HAMMERS, HYDRAULIC, 500 FT-LBS, IMPACT FREQUENCY 800 BPM (ADD 60-75 HP HYDRAULIC EXCAVATOR H25 OR L50)(ADD COST FOR POINT WEAR)			$13,365	5.37	1.11	1.78	0.22	0.00	4
	H10NP005	E-204	HAMMERS, HYDRAULIC, 750 FT-LBS, IMPACT FREQUENCY 700 BPM (ADD 75-100 HP HYDRAULIC EXCAVATOR H25 OR L50)(ADD COST FOR POINT WEAR)			$17,688	7.12	1.47	2.36	0.29	0.00	7
	H10NP007	E-205	HAMMERS, HYDRAULIC, 1300 FT-LBS, IMPACT FREQUENCY 600 BPM (ADD 95-125 HP HYDRAULIC EXCAVATOR H25)(ADD COST FOR POINT WEAR)			$32,611	12.27	2.71	4.35	0.53	0.00	16

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
H10			*NPK CONSTRUCTION EQUIPMENT (continued)*									
	H10NP009	E-207	HAMMERS, HYDRAULIC, 2000 FT-LBS, IMPACT FREQUENCY 550 BPM (ADD 95-125 HP HYDRAULIC EXCAVATOR H25)(ADD COST FOR POINT WEAR)			$45,955	17.14	3.82	6.13	0.75	0.00	28
	H10NP015	E-210A	HAMMERS, HYDRAULIC, 3000 FT-LBS, IMPACT FREQUENCY 670 BPM (ADD 20-28 TON HYDRAULIC EXCAVATOR H25)(ADD COST FOR POINT WEAR)			$55,979	20.59	4.64	7.46	0.91	0.00	34
	H10NP016	E-216	HAMMERS, HYDRAULIC, 5500 FT-LBS, IMPACT FREQUENCY 500 BPM (ADD 28-43 TON HYDRAULIC EXCAVATOR H25)(ADD COST FOR POINT WEAR)			$77,041	27.88	6.40	10.27	1.26	0.00	56
	H10NP017	E-220	HAMMERS, HYDRAULIC, 8000 FT-LBS, IMPACT FREQUENCY 430 BPM (ADD 33-50 TON HYDRAULIC EXCAVATOR H25)(ADD COST FOR POINT WEAR)			$100,659	36.05	8.36	13.42	1.65	0.00	68
	H10NP018	E-260A	HAMMERS, HYDRAULIC, 20,000 FT-LBS, IMPACT FREQUENCY 330 BPM (ADD 80-130 TON HYDRAULIC EXCAVATOR H25)(ADD COST FOR POINT WEAR)			$233,508	81.97	19.39	31.13	3.82	0.00	170
H13	HAZARDOUS/TOXIC WASTE EQUIPMENT											
	SUBCATEGORY 0.11		**COMPACTORS (Compression force) 0 THRU 50 TONS**									
			CONSOLIDATED BALING MACHINE COMPANY, INC									
	H13CB001	DOS RAW WI	HAZARDOUS/TOXIC WASTE EQIPMENT, COMPACTOR, RADIOLOGICAL WASTE, 12.5 TON, LOW LEVEL	5HP E		$20,139	4.52	1.16	1.71	0.30	0.23	25
	H13CB002	DOS RAW W2	HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, RADIOLOGICAL WASTE, 20 TON, LOW LEVEL	10HP E		$22,083	5.26	1.27	1.88	0.33	0.46	25
			COMPACTING TECHNOLOGIES INTERNATIONAL									
	H13CO002	8040	HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 37 TON HAZARD WASTE IN-DRUM , EXPLOSION PROOF	5HP E		$7,478	2.06	0.43	0.64	0.11	0.23	167

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		ENGINE HORSEPOWER - FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
			ENVIRO-PAK										
	H13EP001	4000HM	HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 30 TON HAZARDOUS WASTE, HAZ-MAT STORAGE CONTAINER 40"X40"X40"	5HP	E		$20,016	4.49	1.15	1.70	0.30	0.23	32
			TEEMARK CORPORATION										
	H13TH001	DPC60-E50	HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 30 TON DRUM CRUSHER	5HP	E		$10,584	2.42	0.61	0.90	0.16	0.23	19
	H13TH002	DPC60-D90	HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 30 TON DRUM CRUSHER, TRAILER MOUNTED	9HP	D-off		$19,958	4.46	1.14	1.67	0.30	0.46	19
	H13TH003	DPC85-D160	HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 42.5 TON DRUM CRUSHER, TRAILER MOUNTED	16HP	D-off		$24,885	5.86	1.42	2.09	0.37	0.81	36
			ADVANCED ENVIRONMENTAL SOLUTIONS										
	H13YB001	CCYC	HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 700 PSI OPERATING PRESSURE, FINAL COMPACTED SIZE 39.4" X 39.4" X 39.4"	50HP	E		$312,474	64.20	17.95	26.56	4.67	2.28	320
	H13YB002	CCYC-HD-E	HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 1,000 PSI OPERATING PRESSURE, FINAL COMPACTED SIZE 39.4" X 39.4" X 39.4"	50HP	E		$312,474	64.20	17.95	26.56	4.67	2.28	320
	H13YB003	CMC-HD	HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 1,200 PSI OPERATING PRESSURE, FINAL COMPACTED SIZE 39.4" X 39.4" X 39.4"	50HP	E		$312,474	64.20	17.95	26.56	4.67	2.28	320
	SUBCATEGORY 0.12		**COMPACTORS (Compression force) OVER 50 TONS**										
			COMPACTING TECHNOLOGIES INTERNATIONAL										
	H13CO003	8550	HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 85 TON HAZARD WASTE IN-DRUM	3HP	E		$16,142	3.22	0.79	1.08	0.25	0.14	270

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
H13			*COMPACTING TECHNOLOGIES INTERNATIONAL (continued)*										
	H13CO004	8560-C	HAZARDOUS/TOXIC WASTE EQIPMENT, COMPACTOR, 85 TON HAZARD WASTE IN-DRUM, W/HEPA FILTER	3HP	E		$32,483	6.24	1.58	2.17	0.49	0.14	290
	H13CO006	8560-R	HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 85 TON HAZARD WASTE IN-DRUM, W/HEPA FILTER & SS PLATEN & CHAMBER	3HP	E		$38,637	7.15	1.88	2.58	0.59	0.14	300
	H13CO005	8560-EXL	HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 85 TON HAZARD WASTE IN-DRUM, EXPLOSION PROOF, W/LIQUID REMOVAL SYSTEM	3HP	E		$53,639	9.85	2.61	3.58	0.82	0.14	310
			ENVIRO-PAK										
	H13EP002	9600HM	HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 250 TON HAZARDOUS WASTE, B-25 METAL STORAGE CONTAINER 4'X4'X6'	8HP	E		$32,232	6.31	1.57	2.15	0.49	0.34	100
	SUBCATEGORY 0.21		**FILTER PRESSES, STATIONARY**										
			KOMLINE-SANDERSON ENGINEERING CO.										
	H13AY015	L/S 1200/25	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 25 CF MEMBRANE, 1200 MM SQ (ADD 100 CFM COMPRESSOR)	100CFM	A		$52,515	10.57	2.91	4.20	0.81	0.00	112
	H13AY016	K/F 1200/25	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 25 CF CONVENTIONAL, 1200 MM SQ (ADD 100 CFM COMPRESSOR)	100CFM	A		$33,601	6.76	1.87	2.69	0.52	0.00	108
	H13AY013	L/S 1200/50	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 50 CF MEMBRANE, 1200 MM SQ (ADD 100 CFM COMPRESSOR)	100CFM	A		$89,348	17.98	4.96	7.15	1.38	0.00	173
	H13AY014	K/F 1200/50	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 50 CF CONVENTIONAL, 1200 MM SQ (ADD 100 CFM COMPRESSOR)	100CFM	A		$47,078	9.48	2.62	3.77	0.73	0.00	168

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		ENGINE HORSEPOWER - FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
H13			*KOMLINE-SANDERSON ENGINEERING CO. (continued)*										
	H13AY011	L/S 1200/75	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 75 CF MEMBRANE, 1200 MM SQ (ADD 100 CFM COMPRESSOR)	100CFM	A		$111,636	22.46	6.19	8.93	1.72	0.00	194
	H13AY012	K/F 1200/75	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 75 CF CONVENTIONAL, 1200 MM SQ (ADD 100 CFM COMPRESSOR)	100CFM	A		$56,019	11.27	3.10	4.48	0.86	0.00	188
	H13AY009	L/S 1200/100	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 100 CF MEMBRANE, 1200 MM SQ (ADD 100 CFM COMPRESSOR)	100CFM	A		$133,889	26.95	7.43	10.71	2.07	0.00	199
	H13AY010	K/F 1200/100	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 100 CF CONVENTIONAL, 1200 MM SQ (ADD 100 CFM COMPRESSOR)	100CFM	A		$67,146	13.51	3.73	5.37	1.04	0.00	191
	H13AY007	L/S 1200/125	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 125 CF MEMBRANE, 1200 MM SQ (ADD 100 CFM COMPRESSOR)	100CFM	A		$150,607	30.30	8.35	12.05	2.32	0.00	216
	H13AY008	K/F 1200/125	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 125 CF CONVENTIONAL, 1200 MM SQ (ADD 100 CFM COMPRESSOR)	100CFM	A		$72,742	14.64	4.03	5.82	1.12	0.00	207
	H13AY017	L/S 1200/150	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 150 CF MEMBRANE, 1200 MM SQ (ADD 100 CFM COMPRESSOR)	100CFM	A		$167,331	33.67	9.28	13.39	2.58	0.00	235
	H13AY018	K/F 1200/150	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 150 CF CONVENTIONAL, 1200 MM SQ (ADD 100 CFM COMPRESSOR)	100CFM	A		$83,900	16.88	4.65	6.71	1.29	0.00	224
	H13AY019		HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, FILTER PRESS PLATE SHIFTING UNIT, 1200 MM SQ, MECHANIZED	1HP	E		$11,076	2.56	0.62	0.89	0.17	0.05	5
	H13AY020	SLC-500	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, PLC CONTROL PANEL - PLATE SHIFTING, COMPUTER AUTOMATED	1HP	E		$14,406	3.22	0.80	1.15	0.22	0.05	2

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			USFILTER PERRIN PRODUCTS										
	H13PR001	PLC 25-1000	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 25 CF STANDARD FILTER PRESS, 1000 MM SQ	3HP	E		$102,236	20.80	5.67	8.18	1.58	0.14	125
	H13PR003	PLC 115-1200	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 115 CF STANDARD FILTER PRESS, 1200 MM SQ	5HP	E		$180,198	36.62	9.99	14.42	2.78	0.23	460
	H13PR005	PLC 180-1500	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 180 CF STANDARD FILTER PRESS, 1500 MM SQ	5HP	E		$241,129	48.88	13.37	19.29	3.72	0.23	680
	H13PR007	PLC 270-1500	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 270 CF MAXI FILTER PRESS, 1500 MM SQ	10HP	E		$291,913	59.45	16.18	23.35	4.50	0.46	1,100
	H13PR022	BPR 1200-15H	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 47" WIDE FILTER BELT PRESS, 2 HP	2HP	E		$212,477	42.90	11.78	17.00	3.28	0.09	191
	H13PR023	BPR 1600-15H	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 63" WIDE FILTER BELT PRESS, 3 HP	3HP	E		$242,810	49.08	13.46	19.42	3.75	0.14	258
	H13PR024	BPR 2000-15H	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 78.75" WIDE FILTER BELT PRESS, 3 HP	3HP	E		$269,554	54.46	14.94	21.56	4.16	0.14	319
	H13PR025	BPR 2500-15H	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 98.5" WIDE FILTER BELT PRESS, 3 HP	3HP	E		$327,917	66.20	18.18	26.23	5.06	0.14	515
	H13PR026	BPR 3000-15H	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 118" WIDE FILTER BELT PRESS, 4 HP	4HP	E		$172,293	34.95	9.55	13.78	2.66	0.18	594
	SUBCATEGORY 0.22		**FILTER PRESSES, MOBILE**										
			KOMLINE-SANDERSON ENGINEERING CO.										
	H13AY031	L/S 1200/25M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 25 CF MEMBRANE, 1200 MM SQ, TRAILER MOUNTED (ADD 100 CFM COMPRESSOR)	100CFM	A		$65,700	12.94	3.68	5.40	0.98	0.00	112

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
H13			*KOMLINE-SANDERSON ENGINEERING CO. (continued)*									
	H13AY032	K/F 1200/25M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 25 CF CONVENTIONAL, 1200 MM SQ, TRAILER MOUNTED (ADD 100 CFM COMPRESSOR)	100CFM A		$43,452	8.62	2.40	3.50	0.65	0.00	109
	H13AY029	L/S 1200/50M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 50 CF MEMBRANE, 1200 MM SQ, TRAILER MOUNTED (ADD 100 CFM COMPRESSOR)	100CFM A		$99,241	19.45	5.61	8.25	1.48	0.00	193
	H13AY030	K/F 1200/50M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 50 CF CONVENTIONAL, 1200 MM SQ, TRAILER MOUNTED (ADD 100 CFM COMPRESSOR)	100CFM A		$56,971	11.24	3.18	4.65	0.85	0.00	188
	H13AY027	L/S 1200/75M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 75 CF MEMBRANE, 1200 MM SQ, TRAILER MOUNTED (ADD 100 CFM COMPRESSOR)	100CFM A		$122,612	23.98	6.95	10.23	1.83	0.00	214
	H13AY028	K/F 1200/75M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 75 CF CONVENTIONAL, 1200 MM SQ, TRAILER MOUNTED (ADD 100 CFM COMPRESSOR)	100CFM A		$66,995	13.20	3.76	5.51	1.00	0.00	208
	H13AY025	L/S 1200/100M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 100 CF MEMBRANE, 1200 MM SQ, TRAILER MOUNTED (ADD 100 CFM COMPRESSOR)	100CFM A		$145,947	28.52	8.29	12.22	2.18	0.00	219
	H13AY026	K/F 1200/100M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 100 CF CONVENTIONAL, 1200 MM SQ, TRAILER MOUNTED (ADD 100 CFM COMPRESSOR)	100CFM A		$79,205	15.56	4.45	6.54	1.18	0.00	211
	H13AY023	L/S 1200/125M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 125 CF MEMBRANE, 1200 MM SQ, TRAILER MOUNTED (ADD 100 CFM COMPRESSOR)	100CFM A		$163,749	31.97	9.32	13.73	2.45	0.00	236
	H13AY024	K/F 1200/125M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 125 CF CONVENTIONAL, 1200 MM SQ, TRAILER MOUNTED (ADD 100 CFM COMPRESSOR)	100CFM A		$85,884	16.85	4.84	7.11	1.28	0.00	227

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
H13			*KOMLINE-SANDERSON ENGINEERING CO. (continued)*										
	H13AY021	L/S 1200/150M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 150 CF MEMBRANE, 1200 MM SQ, TRAILER MOUNTED (ADD 100 CFM COMPRESSOR)	100CFM	A		$180,498	35.22	10.28	15.15	2.70	0.00	255
	H13AY022	K/F 1200/150M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 150 CF CONVENTIONAL, 1200 MM SQ, TRAILER MOUNTED (ADD 100 CFM COMPRESSOR)	100CFM	A		$97,067	19.03	5.48	8.06	1.45	0.00	244
			KOCH-WATER										
	H13KP001	BFP-0500	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, FILTER BELT PRESS, 20" (0.5M) WIDE, 0.6 - 2.0 TONS/HR, TRAILER MOUNTED (STAND ALONE UNIT, INCLUDES POLYMER FEED PUMP, BOOSTER PUMP, SLUDGE PUMP, AND DISCHARGE CONVEYOR)	13HP	E		$167,895	33.51	9.63	14.24	2.51	0.57	40
	H13KP002	BFP-1000	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, FILTER BELT PRESS, 39" (1.0M) WIDE, 3.0 - 6.5 TONS/HR, TRAILER MOUNTED (STAND ALONE UNIT, INCLUDES POLYMER FEED PUMP, BOOSTER PUMP, SLUDGE PUMP, AND DISCHARGE CONVEYOR)	16HP	E		$190,287	38.06	10.91	16.14	2.84	0.71	48
	H13KP003	BFP-1500	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, FILTER BELT PRESS, 59" (1.5M) WIDE, 6.0 - 14.0 TONS/HR, TRAILER MOUNTED (STAND ALONE UNIT, INCLUDES POLYMER FEED PUMP, BOOSTER PUMP, SLUDGE PUMP, AND DISCHARGE CONVEYOR)	22HP	E		$223,864	45.03	12.84	18.99	3.34	1.00	55
	H13KP004	BFP-2000	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, FILTER BELT PRESS, 79" (2.0M) WIDE, 14.0 - 20.0 TONS/HR, TRAILER MOUNTED (STAND ALONE UNIT, INCLUDES POLYMER FEED PUMP, BOOSTER PUMP, SLUDGE PUMP, AND DISCHARGE CONVEYOR)	28HP	E		$257,448	51.98	14.78	21.85	3.85	1.27	65

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			USFILTER PERRIN PRODUCTS										
	H13PR002	PLC 25-1000M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 25 CF STANDARD FILTER PRESS, 1000 MM SQ, TRAILER MOUNTED (COMPLETE)	3HP	E		$290,774	58.33	16.61	24.53	4.34	0.14	145
	H13PR006	180-1500M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 180 CF STANDARD FILTER PRESS,1500 MM SQ, TRAILER MOUNTED	5HP	E		$256,171	51.77	14.63	21.59	3.83	0.23	705
	H13PR011	BPR 1200-15H-M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 47" FILTER BELT PRESS, TRAILER MOUNTED (STAND ALONE UNIT, ADD APPURTENANCES SUCH AS FEED PUMPS, POLYMER SYSTEM, WASH WATER BOOSTER PUMP, CONVEYOR ETC.)	2HP	E		$401,069	79.65	22.94	33.90	5.99	0.09	235
	H13PR012	BPR 1600-15H-M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 63" FILTER BELT PRESS, TRAILER MOUNTED (STAND ALONE UNIT, ADD APPURTENANCES SUCH AS FEED PUMPS, POLYMER SYSTEM, WASH WATER BOOSTER PUMP, CONVEYOR ETC.)	3HP	E		$431,608	85.67	24.70	36.50	6.45	0.14	302
	H13PR013	BPR 2000-15H-M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 78.75" FILTER BELT PRESS, TRAILER MOUNTED (STAND ALONE UNIT, ADD APPURTENANCES SUCH AS FEED PUMPS, POLYMER SYSTEM, WASH WATER BOOSTER PUMP, CONVEYOR ETC.)	5HP	E		$458,048	90.93	26.22	38.75	6.84	0.23	319
	H13PR014	BPR 2500-15H-M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 98.5" FILTER BELT PRESS, TRAILER MOUNTED (STAND ALONE UNIT, ADD APPURTENANCES SUCH AS FEED PUMPS, POLYMER SYSTEM, WASH WATER BOOSTER PUMP, CONVEYOR ETC.)	8HP	E		$516,411	102.46	29.57	43.71	7.71	0.36	515
	H13PR015	BPR 3000-15H-M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 118" FILTER BELT PRESS, TRAILER MOUNTED (STAND ALONE UNIT, ADD APPURTENANCES SUCH AS FEED PUMPS, POLYMER SYSTEM, WASH WATER BOOSTER PUMP, CONVEYOR ETC.)	8HP	E		$588,319	116.41	33.70	49.82	8.79	0.36	594

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			SOMAT WASTE REDUCTION TECHNOLOGY										
	H13S5001	1PB-6D	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, PUSHER SCREW PRESS, 6-15 GPM CAPACITY, TRAILER MOUNTED	3HP	E		$58,792	11.63	3.38	5.00	0.88	0.14	14
	H13S5002	1PB-9D	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, PUSHER SCREW PRESS, 15-40 GPM CAPACITY, TRAILER MOUNTED	5HP	E		$120,546	23.75	6.93	10.25	1.80	0.23	35
	H13S5003	2PB-9D	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, PUSHER SCREW PRESS, 30-80 GPM CAPACITY, TRAILER MOUNTED	5HP	E		$143,908	28.28	8.27	12.23	2.15	0.23	40
	H13S5004	3PB-9D	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, PUSHER SCREW PRESS, 45-120 GPM CAPACITY, TRAILER MOUNTED	5HP	E		$199,809	39.12	11.47	16.98	2.98	0.23	52
	SUBCATEGORY 0.30		**CENTRIFUGES**										
			BOCK ENGINEERED PRODUCTS, INC.										
	H13BC013	GP 35	HAZARDOUS/TOXIC WASTE EQUIPMENT, CENTRIFUGE, FIXED SPEED, TIMER, 35 LB DRY WT.	3HP	E		$12,061	5.32	1.42	2.41	0.21	0.14	9
	H13BC010	305 TX	HAZARDOUS/TOXIC WASTE EQUIPMENT, CENTRIFUGE, FIXED SPEED, TIMER, 35 LB DRY WT.	3HP	E		$14,493	6.35	1.70	2.90	0.25	0.14	6
	H13BC012	GP 60	HAZARDOUS/TOXIC WASTE EQUIPMENT, CENTRIFUGE, FIXED SPEED, TIMER, 60 LB DRY WT.	3HP	E		$13,355	5.87	1.57	2.67	0.23	0.14	9
	H13BC006	605 TX	HAZARDOUS/TOXIC WASTE EQUIPMENT, CENTRIFUGE, FIXED SPEED, TIMER, 60 LB DRY WT.	3HP	E		$19,397	8.43	2.28	3.88	0.34	0.14	9
	H13BC011	GP 100	HAZARDOUS/TOXIC WASTE EQUIPMENT, CENTRIFUGE, FIXED SPEED, TIMER, 100 LB DRY WT.	5HP	E		$16,310	7.26	1.91	3.26	0.28	0.23	12
	H13BC003	GP 130	HAZARDOUS/TOXIC WASTE EQUIPMENT, CENTRIFUGE, FIXED SPEED, TIMER, 130 LB DRY WT.	5HP	E		$19,693	8.69	2.31	3.94	0.34	0.23	12

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
H13			*BOCK ENGINEERED PRODUCTS, INC. (continued)*										
	H13BC009	355	HAZARDOUS/TOXIC WASTE EQUIPMENT, CENTRIFUGE, FIXED SPEED, MANUAL CONTROL, EXPLOSION PROOF, 35 LB	3HP	E		$20,813	9.02	2.44	4.16	0.36	0.14	6
	H13BC007	655	HAZARDOUS/TOXIC WASTE EQUIPMENT, CENTRIFUGE, FIXED SPEED, MANUAL CONTROL, EXPLOSION PROOF, 60 LB	3HP	E		$24,805	10.71	2.91	4.96	0.43	0.14	9
	H13BC008	755	HAZARDOUS/TOXIC WASTE EQUIPMENT, CENTRIFUGE, FIXED SPEED, MANUAL CONTROL, EXPLOSION PROOF, 100 LB	5HP	E		$29,406	12.80	3.45	5.88	0.51	0.23	12
	SUBCATEGORY 0.40		**SHREDDERS**										
			MAC CORPORATION										
	H13MN001	52-32HT	HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 32" X 52" OPENING, TRAILER MTD, W/DIESEL GENERATOR SET/ BELT-TYPE INFEED & DISCHARGE CONVEYORS	150HP	E		$247,552	64.18	14.06	20.72	3.70	6.83	200
	H13MN002	62-40HT	HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 38" X 62" OPENING, TRAILER MTD, W/DIESEL GENERATOR SET, HOOK-TYPE INFEED FOR TIRES, & DISCHARGE CONVEYOR	200HP	E		$299,657	79.28	17.00	25.03	4.48	9.10	300
	H13MN003	62-40HT	HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 38" X 62" OPENING, TRAILER MTD, W/DIESEL GENERATOR SET, CRANE GRAPPLE & DISCHARGE CONVEYOR SYSTEM	200HP	E		$353,030	91.25	20.05	29.56	5.27	9.10	300
	H13MN004	72-46HT	HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 45" X 72" OPENING , TRAILER MTD, W/DIESEL GENERATOR SET, CRANE GRAPPLE & DISCHARGE CONVEYOR SYSTEM	300HP	E		$404,812	109.80	23.04	33.97	6.05	13.65	400
			SHRED-TECH LIMITED										
	H13SH001	ST-25E	HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 29" X 42" OPENING	20HP	E		$36,753	8.93	2.11	3.12	0.55	0.91	20
	H13SH002	ST-25EL	HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 29" X 46" OPENING	20HP	E		$38,409	9.26	2.20	3.26	0.57	0.91	23
	H13SH003	ST-50	HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 40" X 55" OPENING	40HP	E		$74,403	18.05	4.27	6.32	1.11	1.82	45

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
H13			*SHRED-TECH LIMITED (continued)*										
	H13SH004	ST-50L	HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 40" X 65" OPENING	40HP	E		$77,607	18.72	4.46	6.60	1.16	1.82	50
	H13SH005	ST-100	HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 63" X 70" OPENING	100HP	E		$122,821	32.13	7.05	10.44	1.83	4.55	200
	H13SH006	ST-500	HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 66" X 96" OPENING	300HP	E		$399,555	102.82	22.95	33.96	5.97	13.65	420
	H13SH007	ST-500L	HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 66" X 115" OPENING	600HP	E		$521,043	148.43	29.93	44.29	7.78	27.30	440
	SUBCATEGORY 0.71		**WASTE HANDLING EQUIPMENT, DRUM HANDLING**										
			BASCO										
	H13BB001	T55FLX	HAZARDOUS/TOXIC WASTE EQUIPMENT, WASTE HANDLING EQUIPMENT, DRUM HANDLING, DRUM FILLER, 55 GAL TOP FILL	10HP	E		$27,407	15.79	3.38	5.82	0.47	0.46	3
	H13BB002	MR3	HAZARDOUS/TOXIC WASTE EQUIPMENT, WASTE HANDLING EQUIPMENT, DRUM CLEANER, 60 DRUM/HR CAP INTERIOR	15HP	E		$34,978	20.34	4.32	7.43	0.60	0.68	25
H20	**HOISTS & AIR WINCHES**												
	SUBCATEGORY 0.00		**HOISTS & AIR WINCHES**										
			INGERSOLL RAND MATERIAL HANDLING										
	H20BE002	FA2.5	AIR WINCH, MANUAL BRAKE, 24" DRUM, 5,000 LBS CAP, 145 FPM (ADD 700 CFM COMPRESSOR)	700CFM	A		$19,724	4.32	1.19	1.75	0.31	0.00	10
	H20BE003	FA5	AIR WINCH, MANUAL BRAKE, 24" DRUM, 10,000 LBS CAP, 65 FPM (ADD 700 CFM COMPRESSOR)	700CFM	A		$25,420	5.62	1.53	2.26	0.40	0.00	19
	H20BE004	FA10	AIR WINCH, AUTOMATIC BRAKE, 24" DRUM, 22,000 LBS CAP, 30 FPM (ADD 800 CFM COMPRESSOR)	800CFM	A		$37,671	8.28	2.27	3.35	0.59	0.00	35

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
H25	HYDRAULIC EXCAVATORS, CRAWLER MOUNTED												
	SUBCATEGORY 0.10		**0 LBS THRU 12,500 LBS (COMPACT EXCAVATORS)**										
			CATERPILLAR INC. (MACHINE DIVISION)										
	H25CA034	301.8	HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 3,800 LBS, 0.04 CY BUCKET, 7.50' MAX DIGGING DEPTH	17HP	D-off		$33,745	8.39	2.13	3.16	0.55	0.86	37
	H25CA035	303 CR	HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 7,500 LBS, 0.11 CY BUCKET, 9.08' MAX DIGGING DEPTH	25HP	D-off		$39,144	10.13	2.48	3.67	0.64	1.27	73
	H25CA036	305 CR	HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 10,800 LBS, 0.17 CY BUCKET, 11.08' MAX DIGGING DEPTH	42HP	D-off		$59,838	15.75	3.78	5.61	0.97	2.14	109
			Komatsu America International Company										
	H25KM016	PC03-2	HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 2,000 LBS, 0.03 CY BUCKET, 4'11" MAX DIGGING DEPTH	8HP	D-off		$20,221	4.89	1.28	1.90	0.33	0.41	20
	H25KM017	PC15R-8	HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 3,600 LBS, 0.06 CY BUCKET, 7'1" MAX DIGGING DEPTH	15HP	D-off		$27,259	6.87	1.72	2.56	0.44	0.76	32
	H25KM018	PC20MR-1	HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 4,800 LBS, 0.05 CY BUCKET, 8'11" MAX DIGGING DEPTH	18HP	D-off		$33,006	8.32	2.09	3.09	0.54	0.92	48
	H25KM019	PC27R-8	HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 6,000 LBS, 0.10 CY BUCKET,8'8" MAX DIGGING DEPTH	26HP	D-off		$35,315	9.38	2.23	3.31	0.57	1.32	62
	H25KM020	PC30MR-1	HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 7,200 LBS, 0.07 CY BUCKET, 10'7" MAX DIGGING DEPTH	28HP	D-off		$39,608	10.42	2.50	3.71	0.64	1.42	73
	H25KM021	PC40MR-1	HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 10,000 LBS, 0.18 CY BUCKET, 12'9" MAX DIGGING DEPTH	37HP	D-off		$49,057	13.10	3.10	4.60	0.80	1.88	99
	H25KM022	PC58UU-3	HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 11,400 LBS, 0.29 CY BUCKET, 13'1" MAX DIGGING DEPTH	40HP	D-off		$65,549	16.82	4.15	6.15	1.07	2.03	115

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
H25			*Komatsu America International Company (continued)*									
	H25KM023	PC78US-6	HYDRAULIC EXCAVATOR, CRAWLER, 6,200 LBS, 0.37 CY BUCKET, 12'4" MAX DIGGING DEPTH	55HP D-off		$75,924	20.11	4.79	7.12	1.23	2.80	151
	H25KM024	PC75R-2	HYDRAULIC EXCAVATOR, CRAWLER, 6,800 LBS, 0.31 CY BUCKET, 13'3" MAX DIGGING DEPTH	68HP D-off		$85,671	23.12	5.41	8.03	1.39	3.46	165
	H25KM025	PC100-6	HYDRAULIC EXCAVATOR, CRAWLER, 9,700 LBS, 0.62 CY BUCKET, 16'7" MAX DIGGING DEPTH	81HP D-off		$113,442	29.97	7.16	10.64	1.84	4.12	237
			MELROE COMPANY/BOBCAT									
	H25ME001	322	HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 3,600 LBS, 0.04 CY BUCKET, 7'3" MAX DIGGING DEPTH	15HP D-off		$26,003	6.61	1.64	2.44	0.42	0.76	35
	H25ME002	331	HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 7,200 LBS, 0.10 CY BUCKET, 10'2" MAX DIGGING DEPTH	40HP D-off		$38,551	11.09	2.44	3.61	0.63	2.03	72
	H25ME003	337	HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 11,000 LBS, 0.18 CY BUCKET, 12' MAX DIGGING DEPTH	53HP D-off		$53,287	15.16	3.37	5.00	0.87	2.69	110
	SUBCATEGORY 0.11		**OVER 12,500 LBS THRU 40,000 LBS**									
			CATERPILLAR INC. (MACHINE DIVISION)									
	H25CA038	307C	HYDRAULIC EXCAVATOR, CRAWLER, 14,310 LBS, 0.48 CY BUCKET, 15.25' MAX DIGGING DEPTH	54HP D-off		$94,427	22.88	5.70	8.33	1.53	2.75	182
	H25CA020	311-CU	HYDRAULIC EXCAVATOR, CRAWLER, 24,640 LBS, 0.60 CY BUCKET, 16.50' MAX DIGGING DEPTH	79HP D-off		$111,382	28.09	6.72	9.83	1.80	4.02	258
	H25CA021	312-C	HYDRAULIC EXCAVATOR, CRAWLER, 26,900 LBS, 0.68 CY BUCKET, 18.16' MAX DIGGING DEPTH	84HP D-off		$115,651	29.30	6.97	10.20	1.87	4.27	288

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			KOBELCO AMERICA INC.									
	H25KC017	70SR	HYDRAULIC EXCAVATOR, CRAWLER, 16,400 LBS, 0.33 CY BUCKET, 14.75' MAX DIGGING DEPTH	54HP D-off		$92,638	22.51	5.59	8.17	1.50	2.75	168
	H25KC016	135SR LC	HYDRAULIC EXCAVATOR, CRAWLER, 30,870 LBS, 0.60 CY BUCKET, 19.58' MAX DIGGING DEPTH	94HP D-off		$131,617	33.23	7.94	11.61	2.13	4.78	319
			Komatsu America International Company									
	H25KM027	PC128UU-2	HYDRAULIC EXCAVATOR, CRAWLER, 12,200 LBS, 0.58 CY BUCKET, 16' 0" MAX DIGGING DEPTH	86HP D-off		$164,146	39.16	9.89	14.48	2.65	4.37	295
	H25KM001	PC 120-6	HYDRAULIC EXCAVATOR, CRAWLER, 26,950 LBS, 0.75 CY BUCKET, 18.08' MAX DIGGING DEPTH	102HP D-off		$124,186	32.34	7.49	10.96	2.01	5.19	270
	H25KM028	PC150-6	HYDRAULIC EXCAVATOR, CRAWLER, 14,800 LBS, 0.68 CY BUCKET, 19'8" MAX DIGGING DEPTH	107HP D-off		$145,426	36.95	8.77	12.83	2.35	5.44	359
	H25KM003	PC 150LC-6	HYDRAULIC EXCAVATOR, CRAWLER, 39,400 LBS, 1.12 CY BUCKET, 19.58' MAX DIGGING DEPTH	107HP D-off		$189,453	45.78	11.42	16.72	3.06	5.44	395
			LINK-BELT CONSTRUCTION EQUIPMENT COMPANY									
	H25LI001	1600 QUANTUM	HYDRAULIC EXCAVATOR, CRAWLER, 15,400 LBS, 0.24 CY BUCKET, 13'7" MAX DIGGING DEPTH	54HP D-off		$94,205	22.82	5.68	8.31	1.52	2.75	154
	H25LI003	130 LX	HYDRAULIC EXCAVATOR, CRAWLER, 27,100 LBS, 0.50 CY BUCKET, 18'2" MAX DIGGING DEPTH	89HP D-off		$116,602	29.85	7.03	10.29	1.88	4.52	271
	H25LI002	2650 QUANTUM	HYDRAULIC EXCAVATOR, CRAWLER, 14,200 LBS, 0.66 CY BUCKET, 18'3" MAX DIGGING DEPTH	85HP D-off		$129,375	32.13	7.80	11.42	2.09	4.32	284
	H25LI005	160 LX	HYDRAULIC EXCAVATOR, CRAWLER, 35,275 LBS, 0.66 CY BUCKET, 20'1" MAX DIGGING DEPTH	101HP D-off		$136,692	34.75	8.24	12.06	2.21	5.13	353
	H25LI004	2700 QUANTUM	HYDRAULIC EXCAVATOR, CRAWLER, 35,275 LBS, 0.66 CY BUCKET, 20'1" MAX DIGGING DEPTH	100HP D-off		$152,641	37.88	9.21	13.47	2.47	5.08	352

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.12		**OVER 40,000 LBS THRU 100,000 LBS**									
			CATERPILLAR INC. (MACHINE DIVISION)									
	H25CA040	318BL	HYDRAULIC EXCAVATOR, CRAWLER, 40,600 LBS, 1.00 CY BUCKET, 22.50' MAX DIGGING DEPTH	115HP D-off		$151,848	32.07	7.14	9.49	2.39	5.85	405
	H25CA022	320C	HYDRAULIC EXCAVATOR, CRAWLER, 43,800 LBS, 1.50 CY BUCKET, 21.75' MAX DIGGING DEPTH	128HP D-off		$206,679	41.58	9.71	12.92	3.25	6.51	444
	H25CA023	320CL	HYDRAULIC EXCAVATOR, CRAWLER, 49,000 LBS, 0.80 CY BUCKET, 39.0' MAX DIGGING DEPTH, LONG REACH BOOM	128HP D-off		$263,385	50.42	12.37	16.46	4.14	6.51	536
	H25CA025	325BL	HYDRAULIC EXCAVATOR, CRAWLER, 60,700 LBS, 1.75 CY BUCKET, 23.25' MAX DIGGING DEPTH	168HP D-off		$332,942	64.17	15.64	20.81	5.23	8.54	607
	H25CA027	330CL	HYDRAULIC EXCAVATOR, CRAWLER, 75,700 LBS, 2.09 CY BUCKET, 21.58' MAX DIGGING DEPTH	222HP D-off		$353,397	71.31	16.60	22.09	5.55	11.29	744
	H25CA032	345BL II	HYDRAULIC EXCAVATOR, CRAWLER, 98,600 LBS, 3.00 CY BUCKET, 30.41' MAX DIGGING DEPTH	290HP D-off		$529,305	103.70	24.86	33.08	8.32	14.74	1,104
			KOBELCO AMERICA INC.									
	H25KC019	SK210 LC	HYDRAULIC EXCAVATOR, CRAWLER, 48,000 LBS, 1.13 CY BUCKET, 22.00' MAX DIGGING DEPTH	143HP D-off		$206,017	42.55	9.68	12.88	3.24	7.27	480
	H25KC020	SK210 LC	HYDRAULIC EXCAVATOR, CRAWLER, 53,400 LBS, 0.63 CY BUCKET, 39' MAX DIGGING DEPTH, LONG REACH BOOM	143HP D-off		$228,790	46.10	10.74	14.30	3.59	7.27	534
	H25KC021	SK250 LC	HYDRAULIC EXCAVATOR, CRAWLER, 55,100 LBS, 1.875 CY BUCKET, 23.08' MAX DIGGING DEPTH	176HP D-off		$242,044	50.58	11.37	15.13	3.80	8.95	551
	H25KC022	SK250 LC	HYDRAULIC EXCAVATOR, CRAWLER, 59,100 LBS, 0.50 CY BUCKET, 23' MAX DIGGING DEPTH, LONG REACH BOOM	176HP D-off		$274,226	55.60	12.88	17.14	4.31	8.95	591
	H25KC023	SK330 LC	HYDRAULIC EXCAVATOR, CRAWLER, 77,800 LBS, 2.05 CY BUCKET, 24.58' MAX DIGGING DEPTH	238HP D-off		$340,898	70.52	16.02	21.31	5.36	12.10	778

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			Komatsu America International Company									
	H25KM012	PC 200 LC-6	HYDRAULIC EXCAVATOR, CRAWLER, 46,363 LBS, 1.50 CY BUCKET, 21.75' MAX DIGGING DEPTH	133HP D-off		$246,829	48.20	11.60	15.43	3.88	6.76	464
	H25KM004	PC 220 LC-6	HYDRAULIC EXCAVATOR, CRAWLER, 57,483 LBS, 1.75 CY BUCKET, 22.25' MAX DIGGING DEPTH	158HP D-off		$282,298	55.53	13.25	17.64	4.43	8.03	575
	H25KM005	PC 300 LC-5	HYDRAULIC EXCAVATOR, CRAWLER, 74,803 LBS, 2.50 CY BUCKET, 24.25' MAX DIGGING DEPTH	232HP D-off		$392,462	78.12	18.44	24.53	6.17	11.79	748
	H25KM013	PC 400 LC-6	HYDRAULIC EXCAVATOR, CRAWLER, 99,517 LBS, 2.75 CY BUCKET, 25.50' MAX DIGGING DEPTH	306HP D-off		$515,010	102.63	24.19	32.19	8.09	15.56	995
			LINK-BELT CONSTRUCTION EQUIPMENT COMPANY									
	H25LI006	2800 QUANTUM	HYDRAULIC EXCAVATOR, CRAWLER, 45,200 LBS, 1.08 CY BUCKET, 21'11" MAX DIGGING DEPTH	128HP D-off		$183,434	37.94	8.61	11.46	2.88	6.51	453
	H25LI007	3400 QUANTUM	HYDRAULIC EXCAVATOR, CRAWLER, 53,100 LBS, 1.05 CY BUCKET, 22'10" MAX DIGGING DEPTH	153HP D-off		$234,842	47.78	11.03	14.68	3.69	7.78	532
	H25LI008	3900 QUANTUM	HYDRAULIC EXCAVATOR, CRAWLER, 62,800 LBS, 1.32 CY BUCKET, 23'7" MAX DIGGING DEPTH	178HP D-off		$257,857	53.19	12.11	16.12	4.05	9.05	629
	H25LI009	4300 QUANTUM	HYDRAULIC EXCAVATOR, CRAWLER, 73,600 LBS, 1.54 CY BUCKET, 24'3" MAX DIGGING DEPTH	240HP D-off		$292,068	63.03	13.72	18.25	4.59	12.20	736
	H25LI010	5800 QUANTUM	HYDRAULIC EXCAVATOR, CRAWLER, 99,900 LBS, 2.14 CY, 27'6" MAX DIGGING DEPTH	300HP D-off		$433,951	89.55	20.38	27.12	6.82	15.25	998
	SUBCATEGORY 0.13		**OVER 100,000 LBS THRU 160,000 LBS**									
			CATERPILLAR INC. (MACHINE DIVISION)									
	H25CA041	365BL	HYDRAULIC EXCAVATOR, CRAWLER, 149,000 LBS, 3.61 CY BUCKET, 27.58' MAX DIGGING DEPTH	385HP D-off		$719,176	121.72	27.97	33.71	11.11	19.57	1,490

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			KOBELCO AMERICA INC.									
	H25KC024	SK400 LC	HYDRAULIC EXCAVATOR, CRAWLER, 101,900 LBS 3.06 CY BUCKET, 25.58' MAX DIGGING DEPTH	306 HP D-off		$431,291	77.78	16.77	20.22	6.66	15.56	1,019
	H25KC026	SK480LC	HYDRAULIC EXCAVATOR, CRAWLER, 108,000 LBS, 2.25 CY BUCKET, 25.58' MAX DIGGING DEPTH	315 HP D-off		$451,810	81.11	17.57	21.18	6.98	16.01	1,080
			Komatsu America International Company									
	H25KM015	PC 600 LC-6	HYDRAULIC EXCAVATOR, CRAWLER, 133,160 LBS, 4.25 CY BUCKET, 27.83' MAX DIGGING DEPTH	384 HP D-off		$763,370	127.65	29.69	35.78	11.80	19.52	1,332
	SUBCATEGORY 0.14		**OVER 160,000 LBS**									
			CATERPILLAR INC. (MACHINE DIVISION)									
	H25CA033	365-BL II	HYDRAULIC EXCAVATOR, CRAWLER, 164,400 LBS, 4.00 CY BUCKET, 31.41' MAX DIGGING DEPTH	374 HP D-off		$720,997	112.42	25.29	28.46	11.06	19.01	1,490
	H25CA043	385BL	HYDRAULIC EXCAVATOR, CRAWLER, 190,500 LBS, 6.00 CY BUCKET, 27.83' MAX DIGGING DEPTH	513 HP D-off		$913,512	144.97	32.04	36.06	14.01	26.08	1,920
			Komatsu America International Company									
	H25KM009	PC 750LC-6	HYDRAULIC EXCAVATOR, CRAWLER, 171,070 LBS, 5.25 CY BUCKET, 27.66' MAX DIGGING DEPTH	443 HP D-off		$983,448	149.00	34.49	38.82	15.08	22.52	1,711
	H25KM010	PC 1100-6	HYDRAULIC EXCAVATOR, CRAWLER, 227,100 LBS, 8.50 CY BUCKET, 34.25' MAX DIGGING DEPTH	611 HP D-off		$1,362,955	206.31	47.80	53.80	20.90	31.06	2,271
	H25KM011	PC 1100LC-6	HYDRAULIC EXCAVATOR, CRAWLER, 248,060 LBS, 6.50 CY BUCKET, 38.00' MAX DIGGING DEPTH	611 HP D-off		$1,432,671	214.84	50.25	56.55	21.97	31.06	2,481
	H25KM033	PC1800-6	HYDRAULIC EXCAVATOR, CRAWLER, 396,800 LBS, 15.70 CY BUCKET, 30'5" MAX DIGGING DEPTH	908 HP D-off		$1,861,682	286.56	65.30	73.49	28.55	46.16	3,968

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			LINK-BELT CONSTRUCTION EQUIPMENT COMPANY									
	H25LI011	8000 QUANTUM	HYDRAULIC EXCAVATOR, CRAWLER, 176,400 LBS, 2.97 CY BUCKET, 29'6" MAX DIGGING DEPTH	438HP D-off		$754,131	120.61	26.45	29.77	11.56	22.27	1,764
	SUBCATEGORY 0.21		**ATTACHMENTS, MOBILE SHEARS**									
			CATERPILLAR INC. (MACHINE DIVISION)									
	H25CA055	S305	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, SCRAP, 9.4" JAW OPENING (ADD 10,000 LB HYDRAULIC EXCAVATOR)			$22,615	7.95	1.96	3.20	0.36	0.00	15
	H25CA057	S320	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, SCRAP, 15.4" JAW OPENING (ADD 20,000 LB HYDRAULIC EXCAVATOR)			$76,800	26.44	6.66	10.88	1.22	0.00	57
	H25CA052	S230	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, SCRAP, 22.0" JAW OPENING (ADD 35,000 LB HYDARULIC EXCAVATOR)			$86,849	30.49	7.53	12.30	1.38	0.00	84
	H25CA053	S250	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, SCRAP, 28.0" JAW OPENING (ADD 45,000 LB HYDRAULIC EXCAVATOR)			$117,336	40.78	10.18	16.62	1.87	0.00	158
	H25CA054	S280	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, SCRAP, 32.0" JAW OPENING (ADD 100,000 LB HYDRAULIC EXCAVATOR)			$151,023	53.42	13.10	21.39	2.40	0.00	191
	H25CA056	S2130	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, SCRAP, 43.0" JAW OPENING (ADD 100,000 LB HYDRAULIC EXCAVATOR)			$247,370	85.59	21.45	35.04	3.93	0.00	307
			LABOUNTY MANUFACTURING,									
	H25LU001	MSD 7	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 10" JAW OPENING, 4'7" REACH (ADD 10,000 LB HYDRAULIC EXCAVATOR)			$18,302	6.51	1.59	2.59	0.29	0.00	10
	H25LU002	MSD 7R	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 10" JAW OPENING, 5'0" REACH (ADD 14,000 LB HYDRAULIC EXCAVATOR)			$20,132	7.22	1.75	2.85	0.32	0.00	11
	H25LU003	MSD 15	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 18" JAW OPENING, 6'6" REACH (ADD 20,000 LB HYDRAULIC EXCAVATOR)			$38,550	13.67	3.34	5.46	0.61	0.00	30

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
H25			*LABOUNTY MANUFACTURING, (continued)*									
	H25LU004	MSD 15R	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 18" JAW OPENING, 8'6" REACH (ADD 25,000 LB HYDRAULIC EXCAVATOR)			$44,815	15.86	3.89	6.35	0.71	0.00	35
	H25LU005	MSD 30 - III SV	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 22" JAW OPENING, 7'0" REACH (ADD 25,000 LB HYDRAULIC EXCAVATOR)			$56,105	19.83	4.87	7.95	0.89	0.00	50
	H25LU006	MSD 30R - III SV	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 22" JAW OPENING,10'4" REACH (ADD 35,000 LB HYDRAULIC EXCAVATOR)			$78,656	27.76	6.82	11.14	1.25	0.00	67
	H25LU007	MSD 40-III SV	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 27" JAW OPENING, 8'6" REACH (ADD 40,000 LB HYDRAULIC EXCAVATOR)			$66,925	23.74	5.80	9.48	1.06	0.00	70
	H25LU008	MSD 40R-III SV	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 27" JAW OPENING, 12'6" REACH (ADD 45,000 LB HYDRAULIC EXCAVATOR)			$87,558	30.83	7.59	12.40	1.39	0.00	90
	H25LU009	MSD 50-III SV	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 32" JAW OPENING, 9'0" REACH (ADD 45,000 LB HYDRAULIC EXCAVATOR)			$95,970	33.75	8.33	13.60	1.53	0.00	109
	H25LU010	MSD 50R-III SV	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 32" JAW OPENING, 13'4" REACH (ADD 60,000 LB HYDRAULIC EXCAVATOR)			$115,185	40.46	9.99	16.32	1.83	0.00	140
	H25LU011	MSD 70-III SV	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 35" JAW OPENING, 10'4" REACH (ADD 60,000 LB HYDRAULIC EXCAVATOR)			$114,200	40.14	9.91	16.18	1.82	0.00	130
	H25LU012	MSD 70R-III SV	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 35" JAW OPENING, 14'4" REACH (ADD 75,000 LB HYDRAULIC EXCAVATOR)			$139,772	49.17	12.12	19.80	2.22	0.00	164
	H25LU013	MSD 100-III SV	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 38" JAW OPENING, 11'6" REACH (ADD 75,000 LB HYDRAULIC EXCAVATOR)			$144,647	50.90	12.55	20.49	2.30	0.00	150
	H25LU014	MSD 100R-III SV	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 38" JAW OPENING, 16'0" REACH (ADD 75,000 LB HYDRAULIC EXCAVATOR)			$168,285	59.19	14.60	23.84	2.68	0.00	180

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.22		**ATTACHMENTS, MATERIAL HANDLING**									
			BALDERSON, INC.									
	H25BS001		HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, 0.50 CY BUCKET, W/TIPS (ADD 25,000-50,000 LB HYDRAULIC EXCAVATOR)			$4,312	1.32	0.36	0.57	0.07	0.00	10
	H25BS002		HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, 0.75 CY BUCKET, W/TIPS (ADD 25,000-50,000 LB HYDRAULIC EXCAVATOR)			$4,923	1.51	0.41	0.66	0.08	0.00	16
	H25BS003		HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, 1.25 CY BUCKET, W/TIPS (ADD 25,000-60,000 LB HYDRAULIC EXCAVATOR)			$5,183	1.58	0.43	0.69	0.08	0.00	30
	H25BS004		HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, 1.50 CY BUCKET, W/TIPS (ADD 50,000-60,000 LB HYDRAULIC EXCAVATOR)			$6,601	2.03	0.55	0.88	0.11	0.00	22
	H25BS005		HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, 3.25 CY BUCKET, W/TIPS (ADD 50,000-75,000 LB HYDRAULIC EXCAVATOR)			$10,016	3.07	0.83	1.34	0.16	0.00	52
			LABOUNTY MANUFACTURING,									
	H25LU023	100 TW	HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, GRAPPLE, 1.25CY, 3-TINE/ 4-TINE (ADD 25,000 LB HYDRAULIC EXCAVATOR)			$10,618	3.51	0.88	1.42	0.17	0.00	16
	H25LU024	110 TW	HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, GRAPPLE, 3.50CY, 4-TINE/ 5-TINE (ADD 35,000 LB HYDRAULIC EXCAVATOR)			$15,022	4.91	1.25	2.00	0.25	0.00	28
	H25LU025	120 TR	HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, GRAPPLE, 3.50CY, 4-TINE/ 5-TINE (ADD 45,000 LB HYDRAULIC EXCAVATOR)			$18,830	6.17	1.57	2.51	0.31	0.00	35

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
H25			*LABOUNTY MANUFACTURING, (continued)*									
	H25LU026	140 TW	HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, GRAPPLE, 5.50CY, 4-TINE/ 5-TINE (ADD 60,000 LB HYDRAULIC EXCAVATOR)			$20,839	6.89	1.73	2.78	0.34	0.00	48
	H25LU027	160 TR	HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, GRAPPLE, 6.50CY, 4-TINE/ 5-TINE (ADD 75,000 LB HYDRAULIC EXCAVATOR)			$23,266	7.73	1.93	3.10	0.38	0.00	58
	H25LU028	170 TW	HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, GRAPPLE, 9.00CY, 4-TINE/ 5-TINE (ADD 100,000 LB HYDRAULIC EXCAVATOR)			$29,709	9.81	2.47	3.96	0.49	0.00	78
	H25LU034	RDG 60	HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, ROTATING GRAPPLE, 1.75 CY (ADD 38,000-70,000 LB HYDRAULIC EXCAVATOR)			$43,853	14.25	3.65	5.85	0.72	0.00	35
	H25LU035	RDG 90	HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, ROTATING GRAPPLE, 1.25 CY (ADD 70,000-140,000 LB HYDRAULIC EXCAVATOR)			$46,333	15.11	3.85	6.18	0.76	0.00	69
	H25LU036	RDG 120	HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, ROTATING GRAPPLE, 2.00 CY (ADD 120,000-160,000 LB HYDRAULIC EXCAVATOR)			$48,807	15.96	4.06	6.51	0.80	0.00	100
			WAIN-ROY, INC.									
	H25WN001		HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, BUCKET, 36" CONCRETE/PAVEMENT REMOVAL (ADD 75,000 LB HYDRAULIC EXCAVATOR)			$6,110	1.87	0.51	0.81	0.10	0.00	16
	SUBCATEGORY 0.23		**ATTACHMENTS, CONCRETE PULVERIZERS**									
			CATERPILLAR INC. (MACHINE DIVISION)									
	H25CA058	CR3	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, CRUSHER, 16.0" JAW OPENING (ADD 40,000 LB MIN HYDRAULIC EXCAVATOR)			$18,534	7.05	1.61	2.63	0.29	0.00	6

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
H25			*CATERPILLAR INC. (MACHINE DIVISION) (continued)*									
	H25CA059	P16	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 30.0" JAW OPENING (ADD 40,000 LB MIN HYDRAULIC EXCAVATOR)			$67,277	24.39	5.84	9.53	1.07	0.00	53
	H25CA060	P28	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 34.0" JAW OPENING (ADD 40,000 LB MIN HYDRAULIC EXCAVATOR)			$98,982	35.74	8.58	14.02	1.57	0.00	87
	H25CA061	CR28	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, CRUSHER, 36.0" JAW OPENING (ADD 45,000 LB MIN HYDRAULIC EXCAVATOR)			$86,331	31.27	7.49	12.23	1.37	0.00	81
	H25CA062	P60	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 45.0" JAW OPENING (ADD 45,000 LB MIN HYDRAULIC EXCAVATOR)			$157,644	56.64	13.68	22.33	2.51	0.00	194
	H25CA063	CR35	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, CRUSHER, 47.0" JAW OPENING (ADD 50,000 LB MIN HYDRAULIC EXCAVATOR)			$112,972	40.84	9.80	16.00	1.80	0.00	111
	H25CA064	CR50	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, CRUSHER, 63.0" JAW OPENING (ADD 50,000 LB MIN HYDRAULIC EXCAVATOR)			$137,206	49.51	11.90	19.44	2.18	0.00	155
			KENT DEMOLITION TOOLS									
	H25KN001	KF12 TLB	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 2000 LB, W/POINT (ADD 16,000-24,000 LB HYDRAULIC EXCAVATOR)			$27,292	10.15	2.37	3.87	0.43	0.00	20
	H25KN002	KF19 QT	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 3000 LB, W/POINT (ADD 26,000-36,000 LB HYDRAULIC EXCAVATOR)			$37,660	13.82	3.27	5.34	0.60	0.00	31
	H25KN003	KF22 QT	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 4000 LB, W/POINT (ADD 36,000-50,000 LB HYDRAULIC EXCAVATOR)			$45,966	16.75	3.99	6.51	0.73	0.00	38

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
H25			*KENT DEMOLITION TOOLS (continued)*									
	H25KN004	KF27 QT	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 5000 LB, W/POINT (ADD 50,000-64,000 LB HYDRAULIC EXCAVATOR)			$52,790	19.17	4.58	7.48	0.84	0.00	43
	H25KN005	KHB40G 11	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 8000 LB, W/POINT (ADD 64,000-88,000 LB HYDRAULIC EXCAVATOR)			$75,111	27.55	6.51	10.64	1.19	0.00	75
	H25KN006	KF70 QT	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 10,000 LB, W/POINT (ADD 80,000 LB HYDRAULIC EXCAVATOR)			$106,476	38.64	9.23	15.08	1.69	0.00	103
			LABOUNTY MANUFACTURING,									
	H25LU046	CP 40	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 30.0" JAW OPENING (ADD 40,000 LB HYDRAULIC EXCAVATOR)			$22,192	8.34	1.92	3.14	0.35	0.00	29
	H25LU047	CP 60	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 36.0" JAW OPENING (ADD 60,000 LB HYDRAULIC EXCAVATOR)			$25,562	9.64	2.22	3.62	0.41	0.00	30
	H25LU048	CP 80	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 42.0" JAW OPENING (ADD 75,000 LB HYDRAULIC EXCAVATOR)			$28,866	10.91	2.51	4.09	0.46	0.00	45
	H25LU049	CP 100	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 48.0" JAW OPENING (ADD 100,000 LB HYDRAULIC EXCAVATOR)			$34,965	13.16	3.04	4.95	0.56	0.00	62
	H25LU050	CP 120	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 54.0" JAW OPENING (ADD 140,000 LB HYDRAULIC EXCAVATOR)			$42,551	15.95	3.70	6.03	0.68	0.00	99
	H25LU040	UP 45 SV	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, CRACKING JAWS, 45.0" JAW OPENING (ADD 55,000 LB HYDRAULIC EXCAVATOR)			$94,518	34.17	8.20	13.39	1.50	0.00	105
	H25LU041	UP 75 SV	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, CRACKING JAWS, 49.0" JAW OPENING (ADD 80,000 LB HYDRAULIC EXCAVATOR)			$115,733	41.67	10.04	16.40	1.84	0.00	127

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
H25			*LABOUNTY MANUFACTURING, (continued)*									
	H25LU042	UP 90	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, CRACKING JAWS, 62.0" JAW OPENING (ADD 75,000 LB HYDRAULIC EXCAVATOR)			$136,997	49.94	11.89	19.41	2.18	0.00	171
	H25LU053	UP 45 SV	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 36" JAW OPENING (ADD 55,000 LB HYDRAULIC EXCAVATOR)			$99,329	35.87	8.62	14.07	1.58	0.00	105
	H25LU054	UP 75 SV	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 40" JAW OPENING (ADD 80,000 LB HYDRAULIC EXCAVATOR)			$122,466	44.05	10.63	17.35	1.95	0.00	126
	SUBCATEGORY 0.24		**ATTACHMENTS, COMPACTORS**									
			ALLIED CONSTRUCTION PRODUCTS									
	H25AU001	4700 W/SWIVEL	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 18" X 12" PLATE, 3,000 LBS FORCE (ADD 15,000-20,000 LB HYDRAULIC EXCAVATOR)			$6,327	2.24	0.55	0.90	0.10	0.00	4
	H25AU002	8700C W/SWIVEL	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 34" X 24" PLATE, 6,400 LBS FORCE (ADD 20,000-30,000 LB HYDRAULIC EXCAVATOR)			$7,230	2.55	0.62	1.02	0.11	0.00	9
	H25AU003	9700C W/SWIVEL	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 40" X 29" PLATE, 13,000 LBS FORCE (ADD 25,000-50,000 LB HYDRAULIC EXCAVATOR)			$10,038	3.55	0.87	1.42	0.16	0.00	16
	H25AU004	9800 W/SWIVEL	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 46" X 34" PLATE, 20,000 LBS FORCE (ADD 40,000-75,000 LB HYDRAULIC EXCAVATOR)			$15,675	5.54	1.36	2.22	0.25	0.00	23
	H25AU005	9801 W/SWIVEL	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 46" X 34" PLATE, 22,000 LBS FORCE (ADD 50,000-75,000 LB HYDRAULIC EXCAVATOR)			$15,714	5.56	1.37	2.23	0.25	0.00	23

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			AMERICAN COMPACTION EQUIPMENT, INC.									
	H25AX001	DC-24BL	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 23" WIDE, SHEEPS FOOT, 3 RIMS - 38" DIA (ADD 25,000-50,000 LB HYDRAULIC EXCAVATOR)			$6,148	2.18	0.54	0.87	0.10	0.00	25
	H25AX003	DC-24EX	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 23" WIDE, SHEEPS FOOT, 3 RIMS - 42" DIA (ADD 50,000-75,000 LB HYDRAULIC EXCAVATOR)			$7,483	2.65	0.65	1.06	0.12	0.00	31
	H25AX005	DC-24EXL	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 23" WIDE, SHEEPS FOOT, 3 RIMS - 48" DIA (ADD 75,000-110,000 LB HYDRAULIC EXCAVATOR)			$8,203	2.90	0.71	1.16	0.13	0.00	35
	H25AX002	DC-36BL	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 35" WIDE, SHEEPS FOOT, 4 RIMS - 38" DIA (ADD 50,000-75,000 LB HYDRAULIC EXCAVATOR)			$6,656	2.35	0.58	0.94	0.11	0.00	25
	H25AX004	DC-36EX	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 35" WIDE, SHEEPS FOOT, 4 RIMS - 42" DIA (ADD 50,000-75,000 LB HYDRAULIC EXCAVATOR)			$8,512	3.02	0.75	1.21	0.14	0.00	37
	H25AX006	DC-36EXL	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 36" WIDE, SHEEPS FOOT, 4 RIMS - 48" DIA (ADD 75,000-110,000 LB HYDRAULIC EXCAVATOR)			$9,237	3.27	0.81	1.31	0.15	0.00	43
			KENT DEMOLITION TOOLS									
	H25KN007	KHP-35 FT	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 12" X 26" PLATE, 3000 LB FORCE (ADD 14,000-25,000 LB HYDRAULIC EXCAVATOR)			$4,153	1.62	0.37	0.59	0.07	0.00	4
	H25KN009	KHP-135FT - II	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 28" X 40" PLATE, 13500 LB FORCE (ADD 25,000-50,000 LB HYDRAULIC EXCAVATOR)			$8,368	3.11	0.73	1.19	0.13	0.00	14
	H25KN010	KHP-210FT - II	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 34" X 46" PLATE, 21000 LB FORCE (ADD 40,000-75,000 LB HYDRAULIC EXCAVATOR)			$12,105	4.42	1.05	1.71	0.19	0.00	23

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
			WAIN-ROY, INC.									
	H25WN002	24-3 (15-22.5 TON)	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 24" WIDE, SHEEPSFOOT, 3 RIMS - 33" DIA (ADD 15-22.5 TON HYDRAULIC EXCAVATOR)			$6,451	2.27	0.56	0.91	0.10	0.00	22
	H25WN003	36-4 (15-22.5 TON)	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 36" WIDE, SHEEPSFOOT, 4 RIMS - 33" DIA (ADD 15-22.5 TON HYDRAULIC EXCAVATOR)			$7,057	2.49	0.61	1.00	0.11	0.00	26
	H25WN004	24-3 (22.5-30 TON)	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 24" WIDE, SHEEPSFOOT, 3 RIMS - 39" DIA (ADD 22.5-30 TON HYDRAULIC EXCAVATOR)			$7,689	2.72	0.67	1.09	0.12	0.00	31
	H25WN005	36-4 (22.5-30 TON)	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 36" WIDE, SHEEPSFOOT, 4 RIMS - 39" DIA (ADD 22.5-30 TON HYDRAULIC EXCAVATOR)			$8,701	3.08	0.76	1.23	0.14	0.00	38
H30	HYDRAULIC EXCAVATORS, WHEEL MOUNTED											
	SUBCATEGORY 0.01		**0 THRU 1.0 CY**									
			CATERPILLAR INC. (MACHINE DIVISION)									
	H30CA005	M318	HYDRAULIC EXCAVATORS, WHEEL, 33,700 LBS, 1.00 CY BUCKET, 1-PIECE BOOM, 19' DIGGING DEPTH, 4X4	131 HP D-off		$184,301	43.39	11.36	16.73	2.99	6.23	393
	H30CA006	M312	HYDRAULIC EXCAVATORS, WHEEL, 30,400 LBS, 0.70 CY BUCKET, 1-PIECE BOOM, 16'8" DIGGING DEPTH, 4X4X2	113 HP D-off		$144,572	34.71	8.92	13.14	2.35	5.37	303
	H30CA007	M315	HYDRAULIC EXCAVATORS, WHEEL, 35,100 LBS, 0.70 CY BUCKET, 1-PIECE BOOM, 17'7" DIGGING DEPTH, 4X4X2	114 HP D-off		$153,142	36.36	9.46	13.94	2.49	5.42	352
			GRADALL COMPANY									
	H30GA006	XL4100	HYDRAULIC EXCAVATORS, WHEEL, 44,851 LBS, 0.75 CY BUCKET, TELESCOPIC BOOM, 22'6" DIGGING DEPTH, 6X4	138 HP D-off	185 HP D-on	$285,747	65.00	17.76	26.24	4.64	8.51	457

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.02		**OVER 1.0 CY**									
			CATERPILLAR INC. (MACHINE DIVISION)									
	H30CA008	M320	HYDRAULIC EXCAVATORS, WHEEL, 44,800 LBS, 1.060 CY BUCKET, 1-PIECE BOOM, 19' DIGGING DEPTH, 4X4X2	130 HP D-off		$213,242	45.72	11.15	15.50	3.40	6.18	448
			GRADALL COMPANY									
	H30GA008	XL 5100	HYDRAULIC EXCAVATORS, WHEEL, 22,800 LBS, 1.25 CY BUCKET, TELESCOPIC BOOM, 25'4" DIGGING DEPTH, 6X4	163 HP D-off	230 HP D-on	$335,927	71.76	17.59	24.48	5.35	10.18	553
			Komatsu America International Company									
	H30KM001	PW170ES-6	HYDRAULIC EXCAVATORS, WHEEL, 37,600 LBS, 1.12 CY BUCKET, 1-PIECE BOOM, 18.67' DIGGING DEPTH, 4X4	123 HP D-off		$205,311	41.80	10.86	15.17	3.27	5.85	376
H35	HYDRAULIC SHOVELS, CRAWLER MOUNTED											
	SUBCATEGORY 0.12		**DIESEL, OVER 5.0 CY**									
			CATERPILLAR INC. (MACHINE DIVISION)									
	H35CA001	5080	HYDRAULIC SHOVEL, CRAWLER, 6.80 CY BUCKET, FRONT SHOVEL, 9' DIGGING DEPTH	424 HP D-off		$988,724	178.18	39.46	49.44	14.74	21.56	1,848
			HITACHI CONSTRUCTION MACHINERY									
	H35HI004	EX750-5	HYDRAULIC SHOVEL, CRAWLER, 5.23 CY BUCKET, FRONT SHOVEL, 16.6' DIGGING DEPTH	434 HP D-off		$995,640	179.87	39.74	49.78	14.85	22.06	1,666
	H35HI006	EX1200	HYDRAULIC SHOVEL, CRAWLER, 8.5 CY BUCKET, FRONT SHOVEL, 17.2' DIGGING DEPTH	641 HP D-off		$1,111,504	210.94	44.37	55.58	16.58	32.59	2,447
	H35HI002	EX1800-3	HYDRAULIC SHOVEL, CRAWLER, 13.50 CY BUCKET, FRONT SHOVEL, 19.4' DIGGING DEPTH	1,000 HP D-off		$1,946,474	361.45	77.69	97.32	29.03	50.84	3,896

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
H35			*HITACHI CONSTRUCTION MACHINERY (continued)*									
	H35HI003	EX3500-3	HYDRAULIC SHOVEL, CRAWLER, 23.50 CY BUCKET, FRONT SHOVEL, 30.6" DIGGING DEPTH	1,634 HP D-off		$3,998,961	715.40	159.62	199.95	59.64	83.07	7,360
			O & K ORENSTEIN & KOPPEL INC.									
	H35OK001	RH 40 E	HYDRAULIC SHOVEL, CRAWLER, 9.20 CY BUCKET, BACKHOE, 28.8' DIGGING DEPTH	607 HP D-off		$723,164	149.51	28.86	36.16	10.78	30.86	2,204
	H35OK003	RH 90 C	HYDRAULIC SHOVEL, CRAWLER, 13.10 CY BUCKET, BACKHOE, 31.1' DIGGING DEPTH	1,018 HP D-off		$1,470,758	290.08	58.70	73.54	21.93	51.76	3,594
	H35OK004	RH 120 C	HYDRAULIC SHOVEL, CRAWLER, 17.00 CY BUCKET, FRONT SHOVEL, 7.6' DIGGING DEPTH	1,280 HP D-off		$2,346,127	440.50	93.65	117.31	34.99	65.08	5,842
	H35OK005	RH 200	HYDRAULIC SHOVEL, CRAWLER, 34.00 CY BUCKET, BACKHOE, 30.5' DIGGING DEPTH	2,250 HP D-off		$4,424,517	820.11	176.60	221.23	65.98	114.39	10,582
L10	LAND CLEARING EQUIPMENT											
	SUBCATEGORY 0.00		**LAND CLEARING EQUIPMENT**									
			BALDERSON, INC.									
	L10BS004	BBL7	LAND CLEARING EQUIPMENT, ROCK & ROOT RAKE, 12.0' WIDE, 9 TEETH (ADD 200 - 250 HP TRACTOR DOZER)			$8,431	1.93	0.47	0.67	0.13	0.00	24
	L10BS005	BRK8	LAND CLEARING EQUIPMENT, ROCK & ROOT RAKE 12.5' WIDE, 9 TEETH (ADD 275 - 325 HP TRACTOR DOZER)			$22,214	4.73	1.23	1.78	0.34	0.00	72
	L10BS002	BMA8	LAND CLEARING EQUIPMENT, MULTI-APPLICATION RAKE, 12.5' WIDE, 9 TEETH (ADD 275 - 325 HP TRACTOR DOZER)			$24,446	5.18	1.36	1.96	0.38	0.00	68
	L10BS007	988 DTC	LAND CLEARING EQUIPMENT, LOGGING FORK, 92" TINES (ADD 400 - 450 HP FE LOADER)			$31,394	6.76	1.74	2.51	0.48	0.00	90

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			BUSH HOG									
	L10BU009	FH174	LAND CLEARING EQUIPMENT, FLAIL MOWER, 62" WIDE, 0.5 - 5" HEIGHT (ADD FARM 30 - 60 HP TRACTOR)			$4,245	1.75	0.24	0.34	0.07	0.00	10
	L10BU005	SM-60	LAND CLEARING EQUIPMENT, ROTARY CUTTER, 5' WIDE-SIDE MTD (ADD FARM 50 HP TRACTOR)			$6,923	2.48	0.39	0.55	0.11	0.00	17
	L10BU010	278RP	LAND CLEARING EQUIPMENT, ROTARY CUTTER, 8' WIDE, 2.5 - 12" HEIGHT (ADD FARM 40 HP TRACTOR)			$5,553	1.91	0.31	0.44	0.09	0.00	13
	L10BU011	3610	LAND CLEARING EQUIPMENT, ROTARY CUTTER, 10.5' WIDE, 2 - 14" HEIGHT (ADD FARM 70 HP TRACTOR)			$11,191	3.73	0.62	0.90	0.17	0.00	46
	L10BU012	3615	LAND CLEARING EQUIPMENT, ROTARY CUTTER, 15' WIDE, 2-14" HEIGHT (ADD FARM 80 HP TRACTOR)			$14,255	4.84	0.79	1.14	0.22	0.00	51
	L10BU013	2620	LAND CLEARING EQUIPMENT, ROTARY CUTTER, 20' WIDE, 2-14" HEIGHT (ADD FARM 90 HP TRACTOR)			$17,295	5.95	0.96	1.38	0.27	0.00	63
			ROME PLOW CO.									
	L10RM001	RV8N	LAND CLEARING EQUIPMENT, V-TREE CUTTER (ADD 275 - 325 HP TRACTOR DOZER)			$34,893	7.36	1.94	2.79	0.54	0.00	134
	L10RM002	MA-152R-8S	LAND CLEARING EQUIPMENT, MULTI-APPLICATION RAKE, 12'-8" WIDE, 9 TEETH (ADD 275 - 325 HP TRACTOR DOZER)			$33,286	6.64	1.84	2.66	0.51	0.00	150
			VERMEER MANUFACTURING CO.									
	L10VE010	SC 252	LAND CLEARING EQUIPMENT, STUMPER, 16" DIA WHEEL, TRAILER MTD	25HP G		$11,852	5.78	0.65	0.94	0.18	2.55	11
	L10VE002	SC 630B	LAND CLEARING EQUIPMENT, STUMPER, 18" DIA WHEEL, TRAILER MTD	34HP G		$15,236	7.70	0.84	1.20	0.24	3.47	17
	L10VE009	SC 752	LAND CLEARING EQUIPMENT, STUMPER, 25" DIA WHEEL, TRAILER MTD	75HP G		$29,688	16.18	1.64	2.36	0.46	7.65	40
	L10VE005	TS-30	LAND CLEARING EQUIPMENT, TREE SPADE, 30" DIA, 26" DEPTH, TRAILER MTD	13HP G		$10,711	3.92	0.59	0.84	0.17	1.33	38
	L10VE006	TS-44A	LAND CLEARING EQUIPMENT, TREE SPADE, 44" DIA, 40" DEPTH, TRAILER MTD	20HP G		$23,518	7.42	1.30	1.87	0.36	2.04	66

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	ENGINE HORSEPOWER - FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
L10			*VERMEER MANUFACTURING CO. (continued)*									
	L10VE007	TS-50M	LAND CLEARING EQUIPMENT, TREE SPADE, 50" DIA, 48" DEPTH (ADD 13,800 GVW TRUCK)			$20,952	5.68	1.16	1.68	0.32	0.00	81
L15	LANDSCAPING EQUIPMENT											
	SUBCATEGORY 0.00		**LANDSCAPING EQUIPMENT**									
			BOWIE INDUSTRIES, INC.									
	L15BW001	LANCER 500	LANDSCAPING EQUIPMENT, 500 GAL, HYDROMULCHER, TRAILER MTD	25 HP G		$13,825	10.33	1.69	2.90	0.24	3.40	25
	L15BW002	VICTOR 800	LANDSCAPING EQUIPMENT, 800 GAL, HYDROMULCHER, TRAILER MTD	35 HP G		$24,893	16.85	3.04	5.22	0.43	4.76	48
	L15BW003	VICTOR 1100	LANDSCAPING EQUIPMENT, 1,100 GAL, HYDROMULCHER, GOOSENECK TRAILER MTD	50 HP G		$28,528	21.03	3.49	5.99	0.49	6.80	60
	L15BW004	IMPERIAL 3000	LANDSCAPING EQUIPMENT, 3,000 GAL, HYDROMULCHER, TRUCK MTD (ADD 55,000 GVW TRUCK)	90 HP D-off		$40,556	24.78	5.00	8.62	0.69	5.61	88
			FINN CORPORATION									
	L15FG001	T330	LANDSCAPING EQUIPMENT, HYDROSEEDER, 3000 GAL, TRUCK MTD (INCLUDES 56,000 GVW TRUCK)	109 HP D-off	310 HP D-off	$45,921	32.51	5.66	9.76	0.78	9.84	85
			HOFFCO-COMET									
	L15HZ001	PH980E	POST HOLE DRILL, UP TO 8" DIA, 30" DEEP, ONE MAN OPERATION	3 HP G		$989	0.95	0.13	0.21	0.02	0.41	1
			DEERE & COMPANY									
	L15JD001	F725	LANDSCAPING EQUIPMENT, LAWNMOWER, 54" DECK, SIDE DISCHARGE RIDING, 4X2	20 HP G		$9,278	7.63	1.04	1.75	0.16	2.72	12
	L15JD002	F911	LANDSCAPING EQUIPMENT, LAWNMOWER, 60" DECK, SIDE DISCHARGE RIDING, 4X2	22 HP G		$14,494	10.26	1.67	2.84	0.25	2.99	15
	L15JD004	F935	LANDSCAPING EQUIPMENT, LAWNMOWER, 72" DECK, SIDE DISCHARGE RIDING, 4X2	22 HP D-off		$18,110	9.77	2.12	3.61	0.31	1.37	23

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
L15			*DEERE & COMPANY (continued)*										
	L15JD003	F1145	LANDSCAPING EQUIPMENT, LAWNMOWER, 72" DECK, SIDE DISCHARGE RIDING, 4X4	28HP	D-off		$22,092	11.97	2.59	4.42	0.38	1.74	26
			TORO										
	L15TO001	22172 - PRO-LINE 21"	LANDSCAPING EQUIPMENT, LAWNMOWER, 21" DECK, REAR BAGGER, PUSH MOWER	6HP	G		$1,191	1.56	0.15	0.25	0.02	0.82	1
	L15TO002	30316 MID-SIZE	LANDSCAPING EQUIPMENT, LAWNMOWER, 32" DECK, SIDE DISCHARGE, RIDING MOWER	13HP	G		$3,044	3.59	0.36	0.61	0.05	1.77	4
	L15TO003	Z147	LANDSCAPING EQUIPMENT, LAWNMOWER, 48" DECK W/Z100 TRACTOR, SIDE DISCHARGE, RIDING MOWER	17HP	G		$7,337	6.15	0.89	1.52	0.13	2.31	11
	L15TO004	Z149	LANDSCAPING EQUIPMENT, LAWNMOWER, 52" DECK W/Z100 TRACTOR, SIDE DISCHARGE, RIDING MOWER	19HP	G		$8,114	6.83	0.98	1.68	0.14	2.59	11
	L15TO006	Z587L	LANDSCAPING EQUIPMENT, LAWNMOWER, 60" DECK W/Z500 TRACTOR, SIDE DISCHARGE, RIDING MOWER	27HP	G		$13,908	10.79	1.67	2.86	0.24	3.67	18
	L15TO007	Z587L	LANDSCAPING EQUIPMENT, LAWNMOWER, 72" DECK, W/Z500 TRACTOR, SIDE DISCHARGE, RIDING MOWER	27HP	G		$15,595	11.53	1.88	3.22	0.27	3.67	20
			WILLMAR EQUIPMENT COMPANY										
	L15WI001	S-200	LANDSCAPING EQUIPMENT, SPREADER, 85 CF DRY CHEMICAL (ADD 55 HP FARM TRACTOR)				$6,050	2.67	0.73	1.25	0.10	0.00	15
L20	LIGHTING SETS, TRAILER MOUNTED												
	SUBCATEGORY 0.10		**METALLIC VAPOR**										
			ALLMAND BROTHERS INC.										
	L20AB017	MAXI-LITE 695	4/1250W, W/6 KW GEN, TRLR MTD, ELECTRIC MAST WINCH	11HP	D-off		$11,922	4.95	0.78	1.17	0.19	0.74	20
	L20AB018	MAXI-LITE 895	4/1250W, W/8 KW GEN, TRLR MTD, ELECTRIC MAST WINCH	14HP	D-off		$12,476	5.40	0.82	1.23	0.20	0.94	20
	L20AB019	MAXI-LITE 883XL	6/1000W, W/8 KW GEN, TRLR MTD, ELECTRIC MAST WINCH	14HP	D-off		$13,299	5.67	0.87	1.31	0.21	0.94	21

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
L20			*ALLMAND BROTHERS INC. (continued)*										
	L20AB020	NIGHT-LITE 6330	4/1000W, W/6 KW GEN, TRLR MTD, MANUAL MAST WINCH	11HP	D-off		$10,639	4.52	0.70	1.05	0.17	0.74	20
	L20AB021	NIGHT-LITE 8330	4/1000W, W/8 KW GEN, TRLR MTD, MANUAL MAST WINCH	14HP	D-off		$11,192	4.97	0.73	1.10	0.18	0.94	20
	L20AB022	NIGHT-LITE 8500XL	6/1000W, W/8 KW GEN, TRLR MTD, ELECTRIC MAST WINCH	14HP	D-off		$12,945	5.55	0.84	1.28	0.20	0.94	21
	L20AB023	ECLIPSE 2220/SE ALT	15 LED LAMP, FLASHING ARROW, W/TWO 8D BATTERIES AND 50W SOLAR ARRAY				$5,061	1.69	0.33	0.49	0.08	0.00	12
	L20AB024	ECLIPSE 2220/SE APF	25 LED LAMP, FLASHING ARROW, W/TWO 8D BATTERIES AND 50W SOLAR ARRAY				$5,627	1.89	0.37	0.55	0.09	0.00	12
L25	LINE STRIPING EQUIPMENT												
	SUBCATEGORY 0.00		**LINE STRIPING EQUIPMENT**										
			JCL EQUIPMENT CO.										
	L25JE001	4-B	LINE STRIPING EQUIPMENT, STRIPER, INTERMEDIATE, 2 GUNS, SINGLE COLOR	13HP	G		$9,740	5.24	0.64	0.97	0.15	1.89	15
	L25JE002	ROAD RUNNER	LINE STRIPING EQUIPMENT, STRIPER, PAVING, 2-3 LINES, TWO COLORS, TRUCK MOUNTED (11,000 LB GVW)				$83,123	24.35	5.39	8.16	1.31	0.00	116
			M-B COMPANIES, INC.										
	L25MB002	5-10	LINE STRIPING EQUIPMENT, STRIPER, 1 GUN, WALK-BEHIND, SINGLE COLOR	5HP	G		$5,309	3.50	0.33	0.49	0.08	0.73	6
	L25MB005	5-12A	LINE STRIPING EQUIPMENT, STRIPER, 2 GUNS, WALK BEHIND, SINGLE COLOR	10HP	G		$9,394	5.63	0.60	0.90	0.15	1.46	6
	L25MB007	220	LINE STRIPING EQUIPMENT, STRIPER, INTERMEDIATE, 3-4 GUNS, SELF PROPELLED, THREE COLORS	23HP	G		$43,135	17.86	2.84	4.31	0.68	3.35	30
	L25MB006	245	LINE STRIPING EQUIPMENT, STRIPER, INTERMEDIATE, 3 GUNS, SELF PROPELLED, TWO COLORS	60HP	G		$79,283	35.51	5.22	7.93	1.25	8.73	48
	L25MB004	VANMARK 360	LINE STRIPING EQUIPMENT, STRIPER, INTERMEDIATE, 3-4 GUNS, W/11,000 LBS GVW TRUCK, TWO COLORS	190HP	G		$100,963	66.23	6.57	9.95	1.59	27.65	116

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
L25			*M-B COMPANIES, INC. (continued)*										
	L25MB008	360	LINE STRIPING EQUIPMENT, STRIPER, INTERMEDIATE, 3-4 GUNS, THERMAL 120 GAL, TRUCK MTD, TWO COLORS	190 HP	G		$190,202	92.58	12.18	18.35	3.00	27.65	80
L30	**LOADERS, BELT (Conveyor belts) & ACCESSORIES**												
	SUBCATEGORY 0.00		**LOADERS, BELT (Conveyor belts) & ACCESSORIES**										
			HEWITT-ROBINS										
	L30HW015	V-11 6X16FT, TD	LOADER, CONVEYOR BELT & ACCESSORIES, SCREENING PLANT, W/6' X 16' VIBRATORY SLOPE TRIPLE DECK SCREENS/36"X 16.5' UNDER SCREEN CONVEYOR/ 7 CY HOPPER/ & FEEDER	25 HP	E		$119,807	27.45	6.52	9.34	1.85	1.14	138
			KOLBERG - PIONEER, INC										
	L30KB001	11-2450	LOADER, CONVEYOR BELT & ACCESSORIES, COVEYOR 50', MOBILE, CONCRETE & AGGREGATE, 24" WIDE	15 HP	E		$29,045	7.30	1.56	2.22	0.45	0.68	57
	L30KB002	11-2460	LOADER, CONVEYOR BELT & ACCESSORIES, CONVEYOR, 60', MOBILE, CONCRETE & AGGREGATE, 24" WIDE	15 HP	E		$30,930	7.70	1.67	2.37	0.48	0.68	62
			METSO MINERALS										
	L30RA001	CV50D	LOADER, CONVEYOR BELT & ACCESSORIES, GRIZZLY SINGLE SCREEN, 40 CY/HR TRAILER MTD	25 HP	D-off		$51,758	12.78	2.82	4.03	0.80	1.27	130
			SUPERIOR INDUSTRIES, AN ASTEC COMPANY										
	L30S4001	36"X35' FEED CONVEY	LOADER, CONVEYOR BELT & ACCESSORIES, BELT FEEDER	15 HP	E		$15,444	4.33	0.86	1.24	0.24	0.68	33
	L30S4002	RUN-ON HYDRAULIC LEG	LOADER, CONVEYOR BELT & ACCESSORIES, 4 HYDRAULIC JACK LEGS				$17,758	3.78	0.98	1.42	0.27	0.00	28
	L30S4003	SIDE SKIRTING UPPER	LOADER, CONVEYOR BELT & ACCESSORIES, SIDE GUARD, ONE SIDE, UPPER				$1,223	0.26	0.07	0.10	0.02	0.00	9
	L30S4004	SIDE SKIRTING LOWER	LOADER, CONVEYOR BELT & ACCESSORIES, SIDE GUARD, ONE SIDE, LOWER				$2,142	0.45	0.12	0.17	0.03	0.00	9

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		ENGINE HORSEPOWER - FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
			TELSMITH INC.										
	L30TS001	PTC 24IN X 50FT	LOADER, CONVEYOR BELT & ACCESSORIES, CONVEYOR, TRUSS FRAME, 24"W X 50'L, WHEEL MTD, 300 TPH	12HP	E		$27,323	6.77	1.45	2.05	0.42	0.55	10
L35	LOADERS, FRONT END, CRAWLER TYPE												
	SUBCATEGORY 0.00		**LOADERS, FRONT END, CRAWLER TYPE**										
			CATERPILLAR INC. (MACHINE DIVISION)										
	L35CA011	933-C	LOADER, FRONT END, CRAWLER, 1.30 CY BUCKET	70HP	D-off		$77,772	22.89	4.31	6.22	1.20	3.90	187
	L35CA012	933-C LGP HYSTAT	LOADER, FRONT END, CRAWLER, 1.30 CY BUCKET - LGP, HYSTAT	70HP	D-off		$93,208	26.34	5.17	7.46	1.44	3.90	193
	L35CA013	939-C	LOADER, FRONT END, CRAWLER, 1.50 CY BUCKET	90HP	D-off		$97,358	28.85	5.40	7.79	1.50	5.02	209
	L35CA005	953-C	LOADER, FRONT END, CRAWLER, 2.25 CY BUCKET	121HP	D-off		$171,136	47.76	9.49	13.69	2.64	6.75	319
	L35CA014	963-C	LOADER, FRONT END, CRAWLER, 3.20 CY BUCKET	160HP	D-off		$225,697	63.02	12.51	18.06	3.48	8.92	433
	L35CA007	973	LOADER, FRONT END, CRAWLER, 3.70 CY BUCKET	208HP	D-off		$333,304	90.80	18.47	26.66	5.14	11.60	601
			Komatsu America International Company										
	L35KM006	D75S-5	LOADER, FRONT END, CRAWLER, 3.30 CY BUCKET	200HP	D-off		$370,930	98.53	20.56	29.67	5.72	11.15	483
L40	LOADERS, FRONT END, WHEEL TYPE												
	SUBCATEGORY 0.11		**ARTICULATED, 0 THRU 225 HP**										
			CATERPILLAR INC. (MACHINE DIVISION)										
	L40CA032	902	LOADER, FRONT END, WHEEL, 0.80 CY BUCKET, ARTICULATED, 4X4	45HP	D-off		$65,913	15.89	3.65	5.17	1.06	2.29	96
	L40CA033	906	LOADER, FRONT END, WHEEL, 1.00 CY BUCKET, ARTICULATED, 4X4	60HP	D-off		$72,637	18.25	4.02	5.72	1.16	3.05	111

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		ENGINE HORSEPOWER - FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
L40			*CATERPILLAR INC. (MACHINE DIVISION) (continued)*										
	L40CA034	908	LOADER, FRONT END, WHEEL, 1.30 CY BUCKET, ARTICULATED, 4X4	82HP	D-off		$79,826	22.95	4.34	6.11	1.28	4.17	133
	L40CA019	914G	LOADER, FRONT END, WHEEL, 1.70 CY BUCKET, ARTICULATED, 4X4	89HP	D-off		$90,880	24.37	5.03	7.14	1.46	4.52	157
	L40CA022	924GZ	LOADER, FRONT END, WHEEL, 2.20 CY BUCKET, ARTICULATED, 4X4	112HP	D-off		$107,493	29.09	5.98	8.51	1.72	5.69	212
	L40CA015	928G	LOADER, FRONT END, WHEEL, 2.50 CY BUCKET, ARTICULATED, 4X4	125HP	D-off		$125,052	33.32	6.98	9.93	2.01	6.36	257
	L40CA023	938G	LOADER, FRONT END, WHEEL, 3.25 CY BUCKET, ARTICULATED, 4X4	160HP	D-off		$153,850	42.55	8.44	11.94	2.47	8.13	289
	L40CA024	950G	LOADER, FRONT END, WHEEL, 3.50 CY BUCKET, ARTICULATED, 4X4	180HP	D-off		$202,863	54.00	11.10	15.70	3.25	9.15	392
	L40CA025	962G	LOADER, FRONT END, WHEEL, 4.00 CY BUCKET, ARTICULATED, 4X4	200HP	D-off		$211,424	57.08	11.59	16.39	3.39	10.17	405
			CASE CORPORATION										
	L40CS009	621D	LOADER, FRONT END, WHEEL, 2.75 CY BUCKET, ARTICULATED, 4X4	135HP	D-off		$135,995	37.10	7.47	10.57	2.18	6.86	259
	L40CS010	721D	LOADER, FRONT END, WHEEL, 3.0 CY BUCKET, ARTICULATED, 4X4	181HP	D-off		$162,998	45.53	8.99	12.75	2.61	9.20	302
	L40CS011	821C	LOADER, FRONT END, WHEEL, 3.67 CY BUCKET, ARTICULATED, 4X4	187HP	D-off		$205,973	54.60	11.34	16.07	3.30	9.51	379
			Komatsu America International Company										
	L40KM014	WA65-3	LOADER, FRONT END, WHEEL, 0.92 CY BUCKET, ARTICULATED, 4X4	50HP	D-off		$58,750	15.08	3.20	4.52	0.94	2.54	93
	L40KM015	WA95-3	LOADER, FRONT END, WHEEL, 1.40 CY BUCKET, ARTICULATED, 4X4	75HP	D-off		$72,431	19.64	3.93	5.54	1.16	3.81	128
	L40KM001	WA120-3L3	LOADER, FRONT END, WHEEL, 1.85 CY BUCKET, ARTICULATED, 4X4	105HP	D-off		$114,441	30.00	6.36	9.03	1.84	5.34	181
	L40KM002	WA180-3L	LOADER, FRONT END, WHEEL, 2.25 CY BUCKET, ARTICULATED, 4X4	118HP	D-off		$132,293	34.28	7.36	10.48	2.12	6.00	206
	L40KM003	WA250-3MC	LOADER, FRONT END, WHEEL, 2.50 CY BUCKET, ARTICULATED, 4X4	135HP	D-off		$160,059	40.68	8.94	12.73	2.57	6.86	248
	L40KM004	WA320-3MC	LOADER, FRONT END, WHEEL, 3.50 CY BUCKET, ARTICULATED, 4X4	173HP	D-off		$189,098	50.05	10.43	14.80	3.03	8.80	312

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
L40			*Komatsu America International Company (continued)*									
	L40KM005	WA380-3MC	LOADER, FRONT END, WHEEL, 4.25 CY BUCKET, ARTICULATED, 4X4	205 HP D-off		$243,905	63.71	13.39	18.96	3.91	10.42	393
	SUBCATEGORY 0.12		**ARTICULATED, OVER 225 HP**									
			CATERPILLAR INC. (MACHINE DIVISION)									
	L40CA026	966G	LOADER, FRONT END, WHEEL, 4.75 CY BUCKET, ARTICULATED, 4X4	233 HP D-off		$283,778	58.52	12.35	16.14	4.28	11.85	497
	L40CA027	972G II	LOADER, FRONT END, WHEEL, 5.25 CY BUCKET, ARTICULATED, 4X4	265 HP D-off		$323,050	65.97	14.11	18.47	4.87	13.47	555
	L40CA007	980G II	LOADER, FRONT END, WHEEL, 6.00 CY BUCKET, ARTICULATED, 4X4	300 HP D-off		$408,808	81.29	17.83	23.34	6.16	15.25	660
	L40CA008	988G	LOADER, FRONT END, WHEEL, 9.00 CY BUCKET, ARTICULATED, 4X4	430 HP D-off		$615,381	117.61	26.74	34.92	9.28	21.86	1,077
	L40CA018	990 SERIES II	LOADER, FRONT END, WHEEL, 11.00 CY BUCKET, ARTICULATED, 4X4	618 HP D-off		$1,020,010	183.58	44.21	57.65	15.38	31.42	1,628
	L40CA009	992-G	LOADER, FRONT END, WHEEL, 16.00 CY BUCKET, ARTICULATED, 4X4	800 HP D-off		$1,411,460	249.49	61.42	80.27	21.28	40.67	2,023
			Komatsu America International Company									
	L40KM006	WA420-3MC	LOADER, FRONT END, WHEEL, 4.80 CY BUCKET, ARTICULATED, 4X4	230 HP D-off		$271,385	55.87	11.85	15.52	4.09	11.69	428
	L40KM007	WA450-3MC	LOADER, FRONT END, WHEEL, 5.50 CY BUCKET, ARTICULATED, 4X4	271 HP D-off		$323,823	64.42	14.14	18.51	4.88	13.78	502
	L40KM008	WA500-3L	LOADER, FRONT END, WHEEL, 6.50 CY BUCKET, ARTICULATED, 4X4	335 HP D-off		$446,191	86.58	19.43	25.39	6.73	17.03	663
	L40KM009	WA600-3L	LOADER, FRONT END, WHEEL, 8.00 CY BUCKET, ARTICULATED, 4X4	490 HP D-off		$592,653	116.06	25.54	33.20	8.94	24.91	997
	L40KM010	WA700-3L	LOADER, FRONT END, WHEEL, 11.10 CY BUCKET, ARTICULATED, 4X4	684 HP D-off		$1,152,711	206.79	49.86	64.96	17.38	34.77	1,511
	L40KM011	WA800-3LC	LOADER, FRONT END, WHEEL, 13.10 CY BUCKET, ARTICULATED, 4X4	853 HP D-off		$1,485,234	263.65	64.52	84.25	22.39	43.37	2,192

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.20		**SKID STEER**									
			CATERPILLAR INC. (MACHINE DIVISION)									
	L40CA028	216	LOADER, FRONT END, WHEEL, SKID-STEER, 13.0 CF, 60" BUCKET, 4X4	49HP D-off		$22,744	9.56	1.47	2.21	0.36	2.73	54
	L40CA029	226	LOADER, FRONT END, WHEEL, SKID-STEER, 13.0 CF, 60" BUCKET, 4X4	54HP D-off		$26,744	10.89	1.73	2.61	0.42	3.01	58
	L40CA030	236	LOADER, FRONT END, WHEEL, SKID-STEER, 14.0 CF, 66" BUCKET, 4X4	59HP D-off		$29,496	12.16	1.89	2.84	0.47	3.29	71
	L40CA031	246	LOADER, FRONT END, WHEEL, SKID-STEER, 15.4 CF, 72" BUCKET, 4X4	74HP D-off		$31,556	13.86	2.02	3.04	0.50	4.13	74
			MELROE COMPANY/BOBCAT									
	L40ME016	453	LOADER, FRONT END, WHEEL, SKID-STEER, 6.5 CF, 44" BUCKET, 4X4	16HP D-off		$11,420	4.05	0.74	1.12	0.18	0.88	25
	L40ME017	553	LOADER, FRONT END, WHEEL, SKID-STEER, 6.7 CF, 48" BUCKET, 4X4	23HP D-off		$15,771	5.71	1.02	1.53	0.25	1.25	37
	L40ME012	753	LOADER, FRONT END, WHEEL, SKID-STEER, 14.3 CF, 60" BUCKET	44HP D-off		$19,682	8.28	1.28	1.93	0.31	2.43	48
	L40ME018	751	LOADER, FRONT END, WHEEL, SKID-STEER, 13.0 CF, 54" BUCKET, 4X4	38HP D-off		$16,891	7.18	1.10	1.65	0.27	2.12	48
	L40ME019	863	LOADER, FRONT END, WHEEL, SKID-STEER, 16.3 CF, 66" BUCKET, 4X4	73HP D-off		$27,158	12.76	1.73	2.60	0.43	4.07	70
	L40ME020	963	LOADER, FRONT END, WHEEL, SKID-STEER, 23.3 CF, 78" BUCKET, 4X4	105HP D-off		$46,477	20.45	2.93	4.39	0.73	5.85	99
	SUBCATEGORY 0.31		**TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP**									
			CATERPILLAR INC. (MACHINE DIVISION)									
	L40CA013	IT14G	LOADER, WHEEL, INTEGRATED TOOL CARRIER, 1.75 CY LOADER; 6,303 LB @ 12.17' HIGH, FORK LIFT, OR 1,841 LB @ 22.42' HIGH, MATERIAL HANDLING ARM	90HP D-off		$103,659	27.28	5.43	7.56	1.65	4.58	180
	L40CA012	IT28G	LOADER, WHEEL, INTEGRATED TOOL CARRIER, 2.50 CY LOADER; 10,640 LB @ 12.58' HIGH FORK LIFT, OR 3,195 LB @ 23.25' HIGH, MATERIAL HANDLING ARM	125HP D-off		$132,891	35.38	7.01	9.78	2.12	6.36	259

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		ENGINE HORSEPOWER - FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
L40			*CATERPILLAR INC. (MACHINE DIVISION) (continued)*										
	L40CA014	IT62G II	LOADER, WHEEL, INTEGRATED TOOL CARRIER, 4.25 CY LOADER; 13,670 LB @ 12.42' HIGH, FORK LIFT, OR 5,040 LB @ 22.67' HIGH, MATERIAL HANDLING ARM	200HP	D-off		$235,184	60.75	12.42	17.35	3.74	10.17	454
			Komatsu America International Company										
	L40KM012	WA180-3 PTC	LOADER, WHEEL, INTEGRATED TOOL CARRIER, 2.25 CY LOADER; 4,966 LB @ 12.00' HIGH, FORK LIFT; OR 2,306 LB @ 18.50' HIGH, MATERIAL HANDLING ARM	118HP	D-off		$136,816	35.73	7.20	10.03	2.18	6.00	172
	L40KM013	WA250-3 PTC	LOADER, WHEEL, INTEGRATED TOOL CARRIER, 2.50 CY LOADER; 6,068 LB @ 12.25' HIGH, FORK LIFT; OR 6,669 LB @ 23.17' HIGH, MATERIAL HANDLING ARM	135HP	D-off		$159,577	42.24	8.31	11.53	2.54	6.86	235
L50	LOADERS / BACKHOE, WHEEL TYPE												
	SUBCATEGORY 0.00		**LOADERS / BACKHOE, WHEEL TYPE**										
			CATERPILLAR INC. (MACHINE DIVISION)										
	L50CA001	416D	LOADER / BACKHOE, WHEEL, 1.00 CY FRONT END BUCKET, 18" DIP, 4.5 CF, 14.5' DIGGING DEPTH, 4X2	80HP	D-off		$55,894	14.74	2.93	4.08	0.89	3.15	162
	L50CA004	446B	LOADER / BACKHOE, WHEEL, 1.50 CY FRONT END BUCKET, 36" DIP, 19 CF, 17.1' DIGGING DEPTH, 4X2	110HP	D-off		$104,400	25.34	5.48	7.64	1.66	4.33	193
			CASE CORPORATION										
	L50CS005	580 SUPER M	LOADER / BACKHOE, WHEEL, 1.00 CY FRONT END BUCKET, 24" DIP, 6.2 CF, 14.25' DIGGING DEPTH, 4X4	90HP	D-off		$80,473	19.78	4.24	5.92	1.28	3.54	143
	L50CS006	590 SUPER M	LOADER / BACKHOE, WHEEL, 1.25 CY FRONT END BUCKET, 24" DIP, 6.4 CF, 18' DIGGING DEPTH, 4X4, EXTENDAHOE	99HP	D-off		$96,799	23.38	5.06	7.03	1.54	3.90	153

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			JCB INC.									
	L50JC001	212S (4WS)	LOADER / BACKHOE, WHEEL, 0.80 CY FRONT END BUCKET, 24" DIP, 4.3 CF, 12' DIGGING DEPTH, 4X4	67 HP D-off		$56,797	14.45	2.93	4.05	0.90	2.64	120
	L50JC002	214S (2WD)	LOADER / BACKHOE, WHEEL, 1.25 CY FRONT END BUCKET, 24" DIP, 7.1 CF, 14.6' DIGGING DEPTH, 4X2	92 HP D-off		$60,703	16.32	3.15	4.36	0.97	3.62	158
	L50JC003	214S (4WS)	LOADER / BACKHOE, WHEEL, 1.40 CY FRONT END BUCKET, 24" DIP, 7.1 CF, 14.6' DIGGING DEPTH, 4X4	100 HP D-off		$77,484	19.92	4.05	5.64	1.23	3.94	164
	L50JC005	215S (4WS)	LOADER / BACKHOE, WHEEL, 1.40 CY FRONT END BUCKET, 24" DIP, 7.1 CF, 20.1' DIGGING DEPTH, 4X4	100 HP D-off		$86,128	21.51	4.52	6.29	1.37	3.94	176
	L50JC007	217S (4WS)	LOADER / BACKHOE, WHEEL, 1.60 CY FRONT END BUCKET, 24" DIP, 7.1 CF, 21.5' DIGGING DEPTH, 4X4	100 HP D-off		$112,008	26.26	5.90	8.24	1.78	3.94	178
L55	LOADER / BACKHOE, ATTACHMENTS											
	SUBCATEGORY 0.00		**LOADER / BACKHOE, ATTACHMENTS**									
			KENT DEMOLITION TOOLS									
	L55KN001	KB-555	LOADER / BACKHOE, ATTACHMENTS, AIR RAM W/NARROW CHISEL, 2.5" DIA, 32.5" LONG (ADD 175 CFM COMPRESSOR & LDR/BH)	175 CFM A		$6,331	2.70	0.52	0.84	0.10	0.00	6
	L55KN002	KB-999	LOADER / BACKHOE, ATTACHMENTS, AIR RAM W/NARROW CHISEL, 3.5" DIA, 57" LONG (ADD 250 CFM COMPRESSOR & LDR/BH)	250 CFM A		$13,053	5.57	1.08	1.74	0.21	0.00	10
	L55KN003	KB-2600	LOADER / BACKHOE, ATTACHMENTS, AIR RAM W/NARROW CHISEL, 5.25" DIA, 48" LONG (ADD 750 CFM COMPRESSOR & LDR/BH)	750 CFM A		$28,273	11.78	2.35	3.77	0.46	0.00	22

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
L60	LOG SKIDDERS											
	SUBCATEGORY 0.00		**LOG SKIDDERS**									
			CATERPILLAR INC. (MACHINE DIVISION)									
	L60CA014	517 GRAPPLE	LOG SKIDDER, 8 SF GRAPPLE, CABLE 41,050 LBS LINE-PULL AND WINCH, CRAWLER	120HP D-off		$242,579	52.05	13.93	20.62	3.62	6.10	405
	L60CA013	525 B	LOG SKIDDER, 11 SF GRAPPLE, CABLE 43,000 LBS LINE-PULL AND WINCH, WHEEL, 4X2	160HP D-off		$193,204	46.30	10.93	16.07	2.89	8.13	358
	L60CA010	527 CABLE	LOG SKIDDER, CABLE, 69,200 LBS LINE-PULL AND WINCH, BLADE, CRAWLER	150HP D-off		$278,795	60.63	16.01	23.70	4.16	7.63	407
	L60CA011	527 GRAPPLE	LOG SKIDDER, 10 SF GRAPPLE, CABLE 69,200 LBS LINE-PULL AND WINCH, CRAWLER	150HP D-off		$333,567	70.57	19.16	28.35	4.98	7.63	473
			DEERE & COMPANY									
	L60JD001	540G II - SKIDDER	LOG SKIDDER, CABLE, 40525 LBS LINE-PULL WINCH AND BLADE, WHEEL, 4X4	119HP D-off		$129,566	32.35	7.25	10.62	1.94	6.05	219
	L60JD003	548G III - GRAPPLE	LOG SKIDDER, 8.0 SF GRAPPLE WITH BLADE, WHEEL, 4X4	119HP D-off		$126,414	31.77	7.07	10.35	1.89	6.05	217
	L60JD004	648G III - GRAPPLE	LOG SKIDDER, 10.4 SF GRAPPLE WITH BLADE, WHEEL, 4X4	160HP D-off		$168,153	42.63	9.34	13.66	2.51	8.13	266
	L60JD002	640G III - SKIDDER	LOG SKIDDER, CABLE, 48767 LBS LINE-PULL WINCH AND BLADE, WHEEL, 4X4	151HP D-off		$153,842	38.91	8.65	12.69	2.30	7.68	239
	L60JD006	643H	LOG SKIDDER, LOG FELLER/BUNCHER, 18" DIA TREE SAW CUTTER, WHEEL, 4X4	170HP D-off		$203,903	49.54	11.46	16.81	3.05	8.64	320
	L60JD008	653G	LOG SKIDDER, LOG FELLER/BUNCHER, 28" DIA TREE SAW CUTTER, CRAWLER	170HP D-off		$294,217	64.77	16.90	25.01	4.39	8.64	410
	L60JD007	843G	LOG SKIDDER, LOG FELLER/BUNCHER, 20" DIA TREE SAW CUTTER, WHEEL, 4X4	200HP D-off		$223,266	55.06	12.56	18.46	3.33	10.17	323

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
M10	MARINE EQUIPMENT (NON DREDGING)											
	SUBCATEGORY 0.41		**WORK FLOATS (NON-DREDGING)**									
			MARINE INLAND FABRICATORS									
	M10MZ001		MARINE EQUIPMENT, WORK BARGE, SECTIONAL, MEDIUM DUTY, 40' X 8' X 4', 23 TON			$13,719	3.65	1.24	2.06	0.21	0.00	143
	M10MZ003		MARINE EQUIPMENT, WORK BARGE, SECTIONAL, MEDIUM DUTY, 40' X 10' X 4', 30 TON			$16,907	4.50	1.53	2.54	0.26	0.00	173
	SUBCATEGORY 0.42		**WORK BARGES (SECTIONAL, NON-DREDGING)**									
			MARINE INLAND FABRICATORS									
	M10MZ005	RAKE	MARINE EQUIPMENT, WORK BARGE, SECTIONAL, MEDIUM DUTY', W/ONE BUCKHEAD AND SPUDS, 40' X 12' X 4', 36 TON			$19,518	1.32	0.56	0.59	0.26	0.00	193
	M10MZ007		MARINE EQUIPMENT, WORK BARGE, SECTIONAL, MEDIUM DUTY, 40' X 12' X 5', 51 TON			$20,125	1.36	0.57	0.60	0.27	0.00	217
			NO SPECIFIC MANUFACTURER									
	M10XX001		MARINE EQUIPMENT, WORK BARGE, SECTIONAL, BOW AND STERN SECTIONS			$5,153	0.34	0.15	0.15	0.07	0.00	1
	M10XX002		MARINE EQUIPMENT, WORK BARGE, SECTIONAL, LOADING RAMPS			$16,040	1.09	0.46	0.48	0.22	0.00	1
	M10XX003		MARINE EQUIPMENT, WORK BARGE, SECTIONAL, MID-SECTION, 20' X 10' X 5'			$19,374	1.31	0.55	0.58	0.26	0.00	1
	M10XX004		MARINE EQUIPMENT, WORK BARGE, SECTIONAL, MID-SECTION, 40' X 10' X 5'			$31,401	2.12	0.89	0.94	0.42	0.00	1
	SUBCATEGORY 0.45		**FLAT-DECK OR CARGO BARGE (NON-DREDGING)**									
			NO SPECIFIC MANUFACTURER									
	M10XX005		MARINE EQUIPMENT, FLAT-DECK CARGO BARGE, 120' X 30' X 7.25', 400 TON			$135,483	4.21	2.41	1.43	1.69	0.00	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
M10			*NO SPECIFIC MANUFACTURER (continued)*									
	M10XX006		MARINE EQUIPMENT, FLAT-DECK CARGO BARGE, 120' X 45' X 7', 800 TON			$190,708	5.93	3.39	2.01	2.38	0.00	1
	M10XX007		MARINE EQUIPMENT, FLAT-DECK CARGO BARGE, 140' X 45' X 7', 900 TON			$242,584	7.55	4.31	2.56	3.03	0.00	1
	M10XX008		MARINE EQUIPMENT, FLAT-DECK CARGO BARGE, 150' X 45' X 9', 1,100 TON			$336,670	10.48	5.99	3.55	4.21	0.00	1
	SUBCATEGORY 0.48		**ALL OTHER BARGES (NON-DREDGING)**									
			NO SPECIFIC MANUFACTURER									
	M10XX016	OPEN 195	MARINE EQUIPMENT, ALL OTHER BARGES, HOPPER, 195' X 35' X 12', 1,400 TON			$202,448	14.73	5.81	6.41	2.60	0.00	1
	M10XX017	OPEN 200	MARINE EQUIPMENT, ALL OTHER BARGES, HOPPER, 200' X 35' X 12', 1,600 TON			$214,049	15.57	6.14	6.78	2.75	0.00	1
	M10XX018	CLOSED 195	MARINE EQUIPMENT, ALL OTHER BARGES, HOPPER, 195' X 35' X 12', 1,400 TON			$266,603	19.40	7.65	8.44	3.43	0.00	1
	M10XX019	CLOSED 200	MARINE EQUIPMENT, ALL OTHER BARGES, HOPPER, 200' X 35' X 12', 1,600 TON			$272,418	19.82	7.82	8.63	3.50	0.00	1
	SUBCATEGORY 0.51		**BOATS & LAUNCHES, 0 THRU 250 HP**									
			MARINE INLAND FABRICATORS									
	M10MZ010	COLT	MARINE EQUIPMENT, BOATS & LAUNCHES, TRUCKABLE WORKBOAT W/PILOT HOUSE & PUSH KNEES, INBOARD, 20.25' X 8' X 3'	140HP D-off		$39,426	14.94	1.62	2.09	0.57	7.12	95
	M10MZ011	MUSTANG	MARINE EQUIPMENT, BOATS & LAUNCHES, TRUCKABLE WORKBOAT W/PILOT HOUSE & PUSH KNEES, INBOARD, 25.25' X 10' X 3.5'	210HP D-off		$55,674	22.00	2.28	2.96	0.80	10.68	190
			SEAARK MARINE									
	M10SM005	18' - 72 SERIES	MARINE EQUIPMENT, BOATS & LAUNCHES, 18' RIVER RUNNER, VEE HULL, NO CABIN, CAP 1,350 LBS, OUTBOARD, 18' X 7.9' X 0.5'	115HP G		$22,019	20.13	0.91	1.17	0.32	12.82	15
	M10SM008	19' - UTILITY SERIES	MARINE EQUIPMENT, BOATS & LAUNCHES, 19' ROUSTABOUT, TRI HULL, NO CABIN, CAP 2,600 LBS, OUTBOARD, 19.4' X 8.5' X 0.8'	200HP G		$40,109	35.22	1.65	2.13	0.58	22.30	17

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		ENGINE HORSEPOWER - FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
M10			*SEAARK MARINE (continued)*										
	M10SM001	17' - UTILITY SERIES	MARINE EQUIPMENT, BOATS & LAUNCHES, 17' LITTLE GIANT, W/CABIN TRI-HULL, CAP 2,000 LBS, OUTBOARD, 17.5' X 7.25' X 0.7'	150HP	G		$47,886	28.56	1.96	2.54	0.69	16.73	18
	M10SM003	21' - UTILITY SERIES	MARINE EQUIPMENT, BOATS & LAUNCHES, 21' LITTLE GIANT, W/CABIN TRI-HULL, CAP 2,800 LBS, OUTBOARD, 21.4' X 8.5' X 1'	200HP	G		$59,403	37.55	2.44	3.16	0.86	22.30	24
	M10SM004	23' - UTILITY SERIES	MARINE EQUIPMENT, BOATS & LAUNCHES, 23' LITTLE GIANT, W/CABIN TRI-HULL, CAP 3,400 LBS, OUTBOARD, 23.4' X 8.5' X 1.2'	250HP	G		$63,795	45.68	2.62	3.39	0.92	27.88	28
			NO SPECIFIC MANUFACTURER										
	M10XX010	12	MARINE EQUIPMENT, BOATS & LAUNCHES, 12' TENDER, 7' BEAM, INBOARD ENGINE, 75 HP	75HP	D-off		$40,535	10.33	1.66	2.15	0.58	3.81	1
	M10XX009	13	MARINE EQUIPMENT, BOATS & LAUNCHES, 13' RUNABOUT, 5' BEAM, OUTBOARD ENGINE	50HP	G		$11,997	9.05	0.49	0.64	0.17	5.58	13
	M10XX011	14	MARINE EQUIPMENT, BOATS & LAUNCHES, 14' TENDER, 7' BEAM, INBOARD ENGINE	100HP	D-off		$46,448	12.87	1.91	2.47	0.67	5.08	13
	M10XX012	100	MARINE EQUIPMENT, BOATS & LAUNCHES, 16 FT, SHALLOW DRAFT, INLAND TUG	100HP	D-off		$47,321	12.97	1.94	2.51	0.68	5.08	13
	M10XX013	115	MARINE EQUIPMENT, BOATS & LAUNCHES, 22 FT, SHALLOW DRAFT, INLAND TUG	115HP	D-off		$61,240	15.74	2.51	3.25	0.88	5.85	23
	M10XX014	175	MARINE EQUIPMENT, BOATS & LAUNCHES, 18 FT, W/STEERING NOZZLE, INLAND TUG	175HP	D-off		$83,911	22.85	3.44	4.46	1.21	8.90	60
	M10XX015	250	MARINE EQUIPMENT, BOATS & LAUNCHES, 26 FT, W/STEERING NOZZLE, INLAND TUG	250HP	D-off		$105,176	30.86	4.31	5.59	1.51	12.71	83
	SUBCATEGORY 0.53		**BOATS & LAUNCHES, 251 THRU 500 HP**										
			NO SPECIFIC MANUFACTURER										
	M10XX021	380	MARINE EQUIPMENT, BOATS & LAUNCHES, 40 FT, STANDARD RUDDER, INLAND TUG	380HP	D-off		$280,293	60.58	10.86	14.01	3.85	19.32	100
	M10XX022	435	MARINE EQUIPMENT, BOATS & LAUNCHES, 45 FT LENGTH, 16 FT BEAM, 5'0" DRAFT, PUSH BOAT	435HP	D-off		$319,105	69.16	12.36	15.96	4.38	22.12	100
	M10XX023	400	MARINE EQUIPMENT, BOATS & LAUNCHES, 48 FT LENGTH, 20 FT BEAM, 6'6" DRAFT PUSH BOAT	400HP	D-off		$427,791	79.39	16.58	21.39	5.88	20.34	100

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		ENGINE HORSEPOWER - FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
M10			*NO SPECIFIC MANUFACTURER (continued)*										
	M10XX024	435	MARINE EQUIPMENT, BOATS & LAUNCHES, 58 FT LENGTH, 21 FT BEAM, 6'0" DRAFT, PUSH BOAT	435	HP D-off		$610,146	103.36	23.64	30.51	8.38	22.12	130
P10	**PILE HAMMER ACCESSORIES - EXTRACTORS & BOX LEADS**												
	SUBCATEGORY 0.00		**PILE HAMMER ACCESSORIES - EXTRACTORS & BOX LEADS**										
			INTERNATIONAL CONSTRUCTION EQUIPMENT,INC										
	P10IC001	216	PILE HAMMER ACCESSORIES, PILE EXTRACTOR, 30 TON LINE PULL (ADD LEADS & CRANE)	175	HP D-off		$97,563	39.72	7.01	10.57	1.72	8.90	130
	P10IC002	416L	PILE HAMMER ACCESSORIES, PILE EXTRACTOR, 40 TON LINE PULL (ADD LEADS & CRANE)	300	HP D-off		$153,574	64.23	11.04	16.64	2.72	15.25	207
	P10IC005	1412B	PILE HAMMER ACCESSORIES, PILE EXTRACTOR,150 TON LINE PULL (ADD LEADS & CRANE)	800	HP D-off		$396,079	167.45	28.46	42.91	7.00	40.67	525
	P10IC010		PILE HAMMER ACCESSORIES, PILE LEADS, SWING, 26" X 86'				$20,242	5.72	1.46	2.19	0.36	0.00	101
	P10IC012		PILE HAMMER ACCESSORIES, PILE LEADS, SWING, 32" X 88'				$24,387	6.89	1.75	2.64	0.43	0.00	155
	P10IC011		PILE HAMMER ACCESSORIES, PILE LEADS, FIXED, 26" X 86', W/SPOTTER	13	HP D-off		$39,208	11.99	2.82	4.25	0.69	0.66	134
	P10IC013		PILE HAMMER ACCESSORIES, PILE LEADS, FIXED, 32" X 88', W/SPOTTER	13	HP G		$42,465	13.99	3.05	4.60	0.75	1.45	193
P20	**PILE HAMMERS, DOUBLE ACTING**												
	SUBCATEGORY 0.10		**DIESEL**										
			INTERNATIONAL CONSTRUCTION EQUIPMENT,INC										
	P20IC001	180	PILE HAMMER, DOUBLE ACTING, DIESEL, 8,100 FT-LBS, MAX STROKE 4'9" (ADD LEADS & CRANE)				$40,574	15.75	3.22	5.07	0.68	0.00	52
	P20IC002	440	PILE HAMMER, DOUBLE ACTING, DIESEL, 18,100 FT-LBS, MAX STROKE 4'8" (ADD LEADS & CRANE)				$93,359	35.27	7.41	11.67	1.57	0.00	122

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
P20			*INTERNATIONAL CONSTRUCTION EQUIPMENT,INC (continued)*									
	P20IC003	520	PILE HAMMER, DOUBLE ACTING, DIESEL, 30,000 FT-LBS, MAX STROKE 5'11" (ADD LEADS & CRANE)			$89,468	34.48	7.09	11.18	1.50	0.00	159
	P20IC004	640	PILE HAMMER, DOUBLE ACTING, DIESEL, 40,000 FT-LBS, MAX STROKE 6'8" (ADD LEADS & CRANE)			$95,178	37.18	7.55	11.90	1.60	0.00	169
			MKT MANUFACTURING, INC.									
	P20MK001	DA-15C	PILE HAMMER, DOUBLE ACTING, DIESEL, 8,200 FT-LBS, MAX STROKE 10'-6" (ADD LEADS & CRANE)			$48,295	18.52	3.83	6.04	0.81	0.00	60
	SUBCATEGORY 0.20		**PNUEMATIC (STEAM/AIR)**									
			MKT MANUFACTURING, INC.									
	P20MK002	5	PILE HAMMER, DOUBLE ACTING, PNUEMATIC (STEAM/AIR), 1,000 FT-LBS, MAX STROKE 7" (ADD 250 CFM COMPRESSOR, LEADS & CRANE)	250CFM A		$20,956	8.15	1.74	2.79	0.34	0.00	17
	P20MK003	6	PILE HAMMER, DOUBLE ACTING, PNUEMATIC (STEAM/AIR), 2,500 FT-LBS, MAX STROKE 8.75" (ADD 400 CFM COMPRESSOR, LEADS & CRANE)	400CFM A		$24,393	9.91	2.03	3.25	0.40	0.00	31
	P20MK004	7	PILE HAMMER, DOUBLE ACTING, PNUEMATIC (STEAM/AIR), 4,150 FT-LBS, MAX STROKE 9.5" (ADD 450 CFM COMPRESSOR, LEADS & CRANE)	450CFM A		$30,759	12.48	2.55	4.10	0.50	0.00	50
	P20MK005	9B3	PILE HAMMER, DOUBLE ACTING, PNUEMATIC (STEAM/AIR), 8,750 FT-LBS, MAX STROKE 17" (ADD 600 CFM COMPRESSOR, LEADS & CRANE)	600CFM A		$48,326	18.90	4.01	6.44	0.79	0.00	74
	P20MK006	10B3	PILE HAMMER, DOUBLE ACTING, PNUEMATIC (STEAM/AIR), 13,100 FT-LBS, MAX STROKE 19" (ADD 750 CFM COMPRESSOR, LEADS & CRANE)	750CFM A		$56,295	23.07	4.68	7.51	0.92	0.00	114
	P20MK007	11B3	PILE HAMMER, DOUBLE ACTING, PNUEMATIC (STEAM/AIR), 19,150 FT-LBS, MAX STROKE 19" (ADD 900 CFM COMPRESSOR, LEADS & CRANE)	900CFM A		$60,150	24.47	4.99	8.02	0.98	0.00	141

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
P25	PILE HAMMERS, SINGLE ACTING											
	SUBCATEGORY 0.10		**DIESEL**									
			PILECO, INC.									
	P25DL001	D6-32	PILE HAMMER, SINGLE ACTING, DIESEL, 10,500 FT-LBS (ADD LEADS & CRANE)			$46,129	16.89	3.83	6.15	0.75	0.00	40
	P25DL003	D12-42	PILE HAMMER, SINGLE ACTING, DIESEL, 31,320 FT-LBS (ADD LEADS & CRANE)			$55,112	20.25	4.58	7.35	0.90	0.00	63
	P25DL004	D19-42	PILE HAMMER, SINGLE ACTING, DIESEL, 42,800 FT-LBS (ADD LEADS & CRANE)			$62,815	23.52	5.22	8.38	1.03	0.00	88
	P25DL005	D25-32	PILE HAMMER, SINGLE ACTING, DIESEL, 58,248 FT-LBS (ADD LEADS & CRANE)			$86,347	32.49	7.17	11.51	1.41	0.00	130
	P25DL006	D30-32	PILE HAMMER, SINGLE ACTING, DIESEL, 69,898 FT-LBS (ADD LEADS & CRANE)			$89,368	34.20	7.42	11.92	1.46	0.00	141
	P25DL008	D46-32	PILE HAMMER, SINGLE ACTING, DIESEL,107,177 FT-LBS (ADD LEADS & CRANE)			$109,577	43.18	9.10	14.61	1.79	0.00	207
	P25DL009	D62-22	PILE HAMMER, SINGLE ACTING, DIESEL,165,000 FT-LBS (ADD LEADS & CRANE)			$165,768	63.90	13.76	22.10	2.71	0.00	283
	P25DL010	D80-23	PILE HAMMER, SINGLE ACTING, DIESEL,225,000 FT-LBS (ADD LEADS & CRANE)			$242,924	92.22	20.17	32.39	3.97	0.00	382
	P25DL011	D100-13	PILE HAMMER, SINGLE ACTING, DIESEL,300,000 FT-LBS (ADD LEADS & CRANE)			$259,902	99.74	21.58	34.65	4.25	0.00	459
			INTERNATIONAL CONSTRUCTION EQUIPMENT,INC									
	P25IC001	30S	PILE HAMMER, SINGLE ACTING, DIESEL, 22,500 FT-LBS (ADD LEADS & CRANE)			$62,994	23.98	5.23	8.40	1.03	0.00	73
	P25IC002	42S	PILE HAMMER, SINGLE ACTING, DIESEL, 42,000 FT-LBS (ADD LEADS & CRANE)			$76,324	29.84	6.34	10.18	1.25	0.00	91
	P25IC003	60S	PILE HAMMER, SINGLE ACTING, DIESEL, 60,000 FT-LBS (ADD LEADS & CRANE)			$121,140	46.27	10.06	16.15	1.98	0.00	161
	P25IC004	80S	PILE HAMMER, SINGLE ACTING, DIESEL, 80,000 FT-LBS (ADD LEADS & CRANE)			$141,729	54.30	11.77	18.90	2.32	0.00	175
	P25IC005	100S	PILE HAMMER, SINGLE ACTING, DIESEL, 100,000 FT-LBS (ADD LEADS & CRANE)			$184,352	69.97	15.30	24.58	3.01	0.00	220
	P25IC006	120S	PILE HAMMER, SINGLE ACTING, DIESEL, 120,000 FT-LBS (ADD LEADS & CRANE)			$220,413	83.39	18.30	29.39	3.60	0.00	274

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			MKT MANUFACTURING, INC.									
	P25MK002	DA-35C	PILE HAMMER, SINGLE ACTING, DIESEL, 23,800 FT-LBS (ADD LEADS & CRANE)			$63,245	24.36	5.25	8.43	1.03	0.00	113
	P25MK001	DE-33/30/20C	PILE HAMMER, SINGLE ACTING, DIESEL, 33,000 FT-LBS (ADD LEADS & CRANE)			$60,390	23.38	5.02	8.05	0.99	0.00	78
	P25MK003	DE-70/50C	PILE HAMMER, SINGLE ACTING, DIESEL, 70,000 FT-LBS (ADD LEADS & CRANE)			$94,036	36.66	7.81	12.54	1.54	0.00	150
	SUBCATEGORY 0.20		**PNUEMATIC (STEAM/AIR)**									
			VULCAN FOUNDATION EQUIPMENT, INC									
	P25VU002	306	PILE HAMMER, SINGLE ACTING, PNUEMATIC (STEAM/AIR), 18,000 FT-LBS (ADD 750 CFM COMPRESSOR, LEADS & CRANE	750 CFM A		$59,148	23.41	5.13	8.38	0.94	0.00	121
	P25VU003	505	PILE HAMMER, SINGLE ACTING, PNUEMATIC (STEAM/AIR), 25,000 FT-LBS (ADD 600 CFM COMPRESSOR,LEADS & CRANE	600 CFM A		$72,951	28.29	6.33	10.33	1.16	0.00	127
	P25VU004	506	PILE HAMMER, SINGLE ACTING, PNUEMATIC (STEAM/AIR), 32,500 FT-LBS (ADD 900 CFM COMPRESSOR,LEADS & CRANE	900 CFM A		$74,456	28.82	6.46	10.55	1.18	0.00	140
	P25VU005	508	PILE HAMMER, SINGLE ACTING, PNUEMATIC (STEAM/AIR), 40,000 FT-LBS (ADD 900 CFM COMPRESSOR,LEADS & CRANE	900 CFM A		$99,950	37.84	8.67	14.16	1.59	0.00	202
	P25VU010	510	PILE HAMMER, SINGLE ACTING, PNUEMATIC (STEAM/AIR), 50,000 FT-LBS (ADD 1050 CFM COMPRESSOR,LEADS & CRANE	1,050 CFM A		$102,582	37.22	8.90	14.53	1.63	0.00	222
	P25VU011	512	PILE HAMMER, SINGLE ACTING, PNUEMATIC (STEAM/AIR), 60,000 FT-LBS (ADD 1200 CFM COMPRESSOR,LEADS & CRANE	1,200 CFM A		$103,980	37.93	9.02	14.73	1.65	0.00	242
P30	**PILE HAMMERS, DRIVER/ EXTRACTOR, VIBRATORY**											
	SUBCATEGORY 0.00		**PILE HAMMERS, DRIVER/ EXTRACTOR, VIBRATORY**									
			MKT MANUFACTURING, INC.									
	P30MK001	V-5C	PILE HAMMER, DRIVER/EXTRACTOR, VIBRATORY, 53 TON FORCE DRIVE (ADD LEADS & CRANE)	185 HP D-off		$87,342	43.02	7.26	11.65	1.43	9.41	118

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
P30			*MKT MANUFACTURING, INC. (continued)*									
	P30MK003	V-20B	PILE HAMMER, DRIVER/EXTRACTOR, VIBRATORY, 107 TON FORCE DRIVE (ADD LEADS & CRANE)	325 HP D-off		$152,251	75.14	12.64	20.30	2.49	16.52	211
	P30MK004	V-35	PILE HAMMER, DRIVER/EXTRACTOR, VIBRATORY, 180 TON FORCE DRIVE (ADD LEADS & CRANE)	600 HP D-off		$258,868	131.05	21.49	34.52	4.23	30.50	345
P35	**PIPELAYERS**											
	SUBCATEGORY 0.00		**PIPELAYERS**									
			CATERPILLAR INC. (MACHINE DIVISION)									
	P35CA001	561M	PIPELAYER, 18' BOOM, 40,000 LBS CAPACITY	110 HP D-off		$189,880	33.07	8.28	10.85	2.85	3.07	358
	P35CA008	572-R	PIPELAYER, 20' BOOM, 90,000 LBS CAPACITY	230 HP D-off		$356,108	62.97	15.53	20.35	5.35	6.41	669
	P35CA009	583-R	PIPELAYER, 20' BOOM, 140,000 LBS CAPACITY	305 HP D-off		$459,264	81.55	20.02	26.24	6.90	8.50	984
	P35CA006	589	PIPELAYER, 28' BOOM, 230,000 LBS CAPACITY	420 HP D-off		$595,568	106.75	25.97	34.03	8.95	11.71	1,450
P40	**PLATFORMS & MAN-LIFTS**											
	SUBCATEGORY 0.00		**PLATFORMS & MAN-LIFTS**									
			BIL-JAX, INC.									
	P40BX001	SKYRIDER 15	MAN-LIFT, TELESCOPIC MAST, 14.8' HEIGHT, 500 LBS, 24 VOLT DC, RECHARGABLE BATTERIES, SELF PROPELLED, 2.2' X 4' PLATFORM			$11,060	2.74	0.78	1.24	0.16	0.00	18
			GROVE MANLIFT									
	P40GW020	A33NEJ	MAN-LIFT, ARTICULATED BOOM, 39' HEIGHT, 500 LBS, 21' REACH, 4X2, SELF PROPELLED, 2.5' X 4' PLATFORM	4 HP E	7 HP E	$51,839	16.14	3.40	5.26	0.77	0.39	145

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER		VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
P40			*GROVE MANLIFT (continued)*											
	P40GW021	A45EJ	MAN-LIFT, ARTICULATED BOOM, 51' HEIGHT, 500 LBS, 25' REACH, 4X2, SELF PROPELLED, 2.5' X 4' PLATFORM	5HP	E	7HP	E	$55,790	17.17	3.69	5.71	0.83	0.43	143
	P40GW016	A62J	MAN-LIFT, ARTICULATED BOOM, 68' HEIGHT, 500 LBS, 64' REACH, 4X4, SELF PROPELLED, 3' X 8' PLATFORM	60HP	D-off			$115,845	31.61	8.20	12.96	1.72	2.36	268
	P40GW017	A80J	MAN-LIFT, ARTICULATED BOOM, 86' HEIGHT, 500 LBS, 64' REACH, 4X4, SELF PROPELLED, 3' X 8' PLATFORM	100HP	D-off			$182,840	52.38	12.79	20.16	2.71	3.94	428
	P40GW018	A100J	MAN-LIFT, ARTICULATED BOOM, 106' HEIGHT, 500 LBS, 54' REACH, 4X4, SELF PROPELLED, 3' X 8' PLATFORM	110HP	D-off			$224,030	64.65	15.64	24.64	3.32	4.33	458
	P40GW019	A125J	MAN-LIFT, ARTICULATED BOOM, 131' HEIGHT, 600 LBS, 69' REACH, 4X4, SELF PROPELLED, 3' X 8' PLATFORM	100HP	D-off			$272,293	75.91	19.08	30.07	4.04	3.94	479
	P40GW022	T40	MAN-LIFT, STRAIGHT BOOM, 40' HEIGHT, 500 LBS, 34' REACH, 4X4, SELF PROPELLED, 3' X 8' PLATFORM	60HP	D-off			$83,384	23.64	5.91	9.33	1.24	2.36	137
	P40GW023	T65J	MAN-LIFT, STRAIGHT BOOM, 65' HEIGHT, 500 LBS, 62' REACH, 4X4, SELF PROPELLED, 3' X 8' PLATFORM	60HP	D-off			$121,366	33.54	8.51	13.41	1.80	2.36	267
	P40GW024	T80	MAN-LIFT, STRAIGHT BOOM, 86' HEIGHT, 600 LBS, 70' REACH, 4X4, SELF PROPELLED, 3' X8' PLATFORM	85HP	D-off			$155,518	42.53	11.02	17.44	2.30	3.35	340
	P40GW025	T86J	MAN-LIFT, STRAIGHT BOOM, 92' HEIGHT, 500 LBS, 76' REACH, 4X4, SELF PROPELLED, 3' X8' PLATFORM	85HP	D-off			$163,003	44.37	11.57	18.29	2.42	3.35	371
	P40GW026	T110	MAN-LIFT, STRAIGHT BOOM, 116' HEIGHT, 500 LBS, 74' REACH, 4X4, SELF PROPELLED, 3' X 8' PLATFORM	110HP	D-off			$229,027	62.41	16.15	25.52	3.39	4.33	397
			TEREX CORPORATION											
	P40TE001	TS25RT	MAN-LIFT, SCISSOR, 25' HEIGHT, 1,500 LBS, 4X4, SELF PROPELLED, 5.3' X 10.3' PLATFORM	24HP	G			$32,873	10.99	2.31	3.64	0.49	2.04	58
	P40TE002	TS30RT	MAN-LIFT, SCISSOR, 30' HEIGHT, 2,000 LBS, 4X4, SELF PROPELLED, 6.3' X 13.3' PLATFORM	39HP	G			$41,338	14.79	2.91	4.59	0.61	3.32	89
	P40TE003	TA50RT	MAN-LIFT, ARTICULATED BOOM, 55' HEIGHT, 500 LBS, 29' REACH, 4X4, SELF PROPELLED, 2.2' X 5' PLATFORM	32HP	D-off			$74,536	20.42	5.21	8.21	1.10	1.26	154

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
P40			*TEREX CORPORATION (continued)*									
	P40TE004	TA60RT	MAN-LIFT, ARTICULATED BOOM, 66' HEIGHT, 500 LBS, 33' REACH, 4X4, SELF PROPELLED, 3' X 6' PLATFROM	44HP D-off		$85,256	23.81	5.95	9.38	1.26	1.73	241
	P40TE005	TB42	MAN-LIFT, STRAIGHT BOOM, 43' HEIGHT, 650 LBS, 37' REACH, 4X4, SELF PROPELLED, 3' X 8' PLATFORM	66HP D-off		$55,600	17.57	3.86	6.08	0.82	2.60	131
	P40TE006	TB66	MAN-LIFT, STRAIGHT BOOM, 66' HEIGHT, 650 LBS, 51' REACH, 4X4, SELF PROPELLED, 3' X 6' PLATFORM	66HP D-off		$87,366	25.49	6.09	9.60	1.29	2.60	250
	P40TE007	TB85	MAN-LIFT, STRAIGHT BOOM, 86' HEIGHT, 600 LBS, 70' REACH, 4X4, SELF PROPELLED, 3' X 8' PLATFORM	66HP D-off		$147,307	40.13	10.36	16.35	2.18	2.60	370
	P40TE008	TB100	MAN-LIFT, STRAIGHT BOOM, 92' HEIGHT, 500 LBS, 67' REACH, 4X4, SELF PROPELLED, 3' X 8' PLATFORM	76HP D-off		$164,064	44.72	11.55	18.23	2.43	2.99	393
	P40TE009	TB110	MAN-LIFT, STRAIGHT BOOM, 116' HEIGHT, 500 LBS, 74' REACH, 4X4, SELF PROPELLED, 3' X 8' PLATFORM	76HP D-off		$179,569	48.51	12.65	19.98	2.66	2.99	420
	P40TE010	T-292	MAN-LIFT, LINE-TRUCK, W/AERIAL 2' X 2.5' PLATFORM, 300 LBS, 34' HEIGHT, 23' RAD	210HP D-off		$62,598	26.54	4.38	6.90	0.93	8.27	115
	P40TE011	T-38P	MAN-LIFT, LINE-TRUCK, W/AERIAL 2' X 2.5' PLATFORM, 300 LBS, 43' HEIGHT, 26' RAD	210HP D-off		$68,952	28.18	4.81	7.57	1.02	8.27	128
	P40TE012	Digger DerrickC-4045	MAN-LIFT, LINE-TRUCK, W/13.7 TON, 45' HIGH-BOOM TILT POLE CLAWS, & 1.5' DIA AUGER	210HP D-off		$102,701	36.42	7.21	11.37	1.52	8.27	268
	P40TE013	5FC-52	MAN-LIFT, LINE-TRUCK, W/AERIAL 2' X 4' PLATFORM, 700 LBS, 57' HEIGHT, 35' RAD	210HP D-off		$94,066	34.31	6.59	10.40	1.39	8.27	215
	P40TE014	5FC-55	MAN-LIFT, LINE-TRUCK, W/AERIAL 2' X 2.5' PLATFORM, 500 LBS, 60' HEIGHT, 38' RAD	210HP D-off		$95,843	34.75	6.72	10.60	1.42	8.27	248
	P40TE015	6H-65	MAN-LIFT, LINE-TRUCK, W/AERIAL 2' X 4' PLATFORM, 750 LBS, 70' HEIGHT, 39' RAD	210HP D-off		$109,027	37.97	7.66	12.08	1.62	8.27	255
P45	**PUMPS, GROUT**											
	SUBCATEGORY 0.00		**PUMPS, GROUT**									
			AIRPLACO EQUIPMENT CO., INC.									
	P45AF002	HG-5	PUMP, GROUT, HAND PUMP, 12 CF/HR, 0-100 PSI, W/O HOPPER (ADD HOSES)			$725	0.20	0.05	0.08	0.01	0.00	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
P45			*AIRPLACO EQUIPMENT CO., INC. (continued)*										
	P45AF003	HG-8	PUMP, GROUT, HAND PUMP, 15 CF/HR, 100 PSI, W/5 GAL HOPPER (ADD HOSES)				$1,061	0.29	0.08	0.11	0.02	0.00	1
	P45AF008	HGA-530	PUMP, GROUT, 50 CF/HR, 0-250 PSI, SKID MTD, W/5 GAL HOPPER AND 30 GAL MIXER (ADD 50 CFM COMPRESSOR & HOSE)	50 CFM	A		$6,868	1.94	0.47	0.73	0.10	0.00	4
	P45AF005	HJ-15 SG	PUMP, GROUT, HIGH PRESSURE SINGLE CYLINDER GROUT PUMP, 110 CF/HR, 400 PSI,GROUT-MUD JACKING-SHOTCRETE, TRAILER MTD, W/30 GAL HOPPER AND 30 GAL MIXER (ADD 200 CFM COMPRESSOR & 2" HOSE)	11 HP	G		$10,306	5.22	0.70	1.07	0.16	1.79	5
	P45AF009	MP-2J6/GM-70DA	PUMP, GROUT, 160 CF/HR, 1 - 225 PSI, SKID MTD, W/15 GAL HOPPER/ & TWO 70 GAL MIXERS (ADD 350 CFM COMPRESSOR)	350 CFM	A		$21,913	5.99	1.51	2.33	0.34	0.00	5
	P45AF006	HJ-15 DG	PUMP, GROUT, HIGH PRESSURE DUAL CYLINDER GROUT PUMP, 180 CF/HR, 0-300 PSI, GROUT-MUD JACKING-SHOTCRETE, TRAILER MTD, W/30 GAL HOPPER AND 30 GAL MIXER (ADD 200 CFM COMPRESSOR & 2" HOSE)	11 HP	G		$13,019	5.95	0.88	1.36	0.20	1.79	7
	P45AF010	HJ-25	PUMP, GROUT, HIGH PRESSURE DUAL CYLINDER GROUT PUMP, 180 CF/HR, 0 - 400 PSI, GROUT-MUD JACK-PLASTER, TRAILER MTD, W/100 GAL HOPPER AND 45 GAL MIXER/ 2" HOSE	18 HP	G		$25,587	10.87	1.74	2.70	0.39	2.93	23
	P45AF011	HJ-36 CRG	PUMP, GROUT, HIGH PRESSURE DUAL CYLINDER GROUT PUMP, 250 CF/HR, 0 - 250 PSI, GROUT-MUD JACK-SHOTCRETE, TRAILER MTD, W/120 GAL HOPPER/ 90 GAL MIXER/ 2" HOSE	35 HP	G		$45,463	19.98	3.11	4.81	0.70	5.69	49
	P45AF007	P-280 HD	PUMP, GROUT, 756 CF/HR CONCRETE, 486 CF/HR SHOTCRETE, TRAILER MTD, W/6 CY HOPPER (ADD HOSE 2" - 3" DIA)	30 HP	D-off		$28,218	10.50	1.92	2.98	0.43	2.21	25
			ALLENTOWN EQUIPMENT										
	P45AL015	POWER CRETER MAGNUM	PUMP, GROUT, GROUT-MUD JACK-SHOTCRE, HIGH PRESSURE DUAL CYLINDER GROUT PUMP, 135 CF/HR, 0 - 1330 PSI, TRAILER MTD, W/75 GAL HOPPER/ 82 GAL MIXER/ 3" HOSE	41 HP	D-off		$41,304	15.10	2.82	4.37	0.63	3.03	35

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
			CHEMGROUT, INC.									
	P45CG001	CG-050	PUMP, GROUT, MINI, AIR, 5 GPM, 225 PSI, PORTABLE, SKID MTD (ADD 15 CFM - 100 PSI COMPRESSOR)	15 CFM A		$3,416	0.96	0.23	0.36	0.05	0.00	1
	P45CG002	CG-550P	PUMP, GROUT, MIXER, AIR, 5 GPM, 225 PSI, SKID MTD (ADD 85 CFM - 100 PSI COMPRESSOR)	85 CFM A		$5,764	1.65	0.40	0.61	0.09	0.00	3
	P45CG003	CG-500/2TJ6	PUMP, GROUT, MIXER, AIR, 20 GPM, 160 PSI, SKID MTD, W/ 2 - 70 GAL MIXING TANKS AND 15 GAL HOPPER (ADD 250 CFM - 100 PSI COMPRESSOR)	230 CFM A		$14,471	4.04	0.99	1.54	0.22	0.00	12
	P45CG007	CG-570 / 3C6 / H	PUMP, GROUT, THICK MIX/SPRAY, 20 GPM, 261 PSI, SKID MTD, W/AIR COMPRESSOR, POWER UNIT, 45 GAL MIXING UNIT AND 15 GAL HOPPER	16 HP G		$16,276	7.91	1.12	1.73	0.25	2.60	13
	P45CG006	CG-575 / 3C6	PUMP, GROUT, THICK MIX/SPRAY, 20 GPM, 261 PSI, TRAILER MTD, W/AIR COMPRESSOR, POWER UNIT, 45 GAL MIXING TANK AND 15 GAL HOPPER	16 HP G		$16,544	7.99	1.12	1.74	0.25	2.60	15
			OLIN ENGINEERING, INC.									
	P45OE001	5 25	PUMP, GROUT, PUMP, 30 CY/HR, 750 PSI, 5 CF HOPPER, TRAILER MTD, W/POWER UNIT	42 HP D-off		$23,176	10.32	1.56	2.42	0.35	3.10	39
	P45OE002	5 40	GROUT PUMP, 42 CY/HR, 750 PSI, 5 CF HOPPER, TRAILER MTD, W/POWER UNIT	55 HP D-off		$29,148	13.18	1.98	3.05	0.45	4.06	42
	P45OE003	5 65	GROUT PUMP, 68 CY/HR, 1100 PSI, 5 CF HOPPER, TRAILER MTD, W/POWER UNIT	84 HP D-off		$37,916	18.36	2.58	3.99	0.58	6.20	48
	P45OE004	5 85	GROUT PUMP, 85 CY/HR, 1100 PSI, 5 CF HOPPER, TRAILER MTD, W/POWER UNIT	120 HP D-off		$45,342	23.86	3.08	4.77	0.69	8.86	56
	P45OE005	5 140CA	GROUT PUMP, 140 CY/HR, 900 PSI, 5 CF HOPPER, TRAILER MTD TANDEM, W/POWER UNIT	181 HP D-off		$60,833	33.97	4.12	6.38	0.93	13.36	100

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
P50	PUMPS, WATER, CENTRIFUGAL, TRASH												
	SUBCATEGORY 0.11		**ENGINE DRIVE**										
			WACKER CORPORATION										
	P50WC001	PT 2A	PUMP, WATER, CENTRIFUGAL, TRASH, ENGINE DRIVE, 2" DIA, 205 GPM @ 100' HEAD (ADD HOSES)	10HP	G		$1,460	2.45	0.10	0.15	0.02	1.53	1
	P50WC002	PT 3A	PUMP, WATER, CENTRIFUGAL, TRASH, ENGINE DRIVE, 3" DIA, 425 GPM @ 95' HEAD (ADD HOSES)	15HP	D-off		$1,724	1.95	0.12	0.17	0.03	1.06	2
	P50WC003	PTS 4V	PUMP, WATER, CENTRIFUGAL, TRASH, ENGINE DRIVE, 4" DIA, 705 GPM @ 106' HEAD (ADD HOSES)	16HP	D-off		$3,746	2.55	0.25	0.37	0.06	1.13	3
	P50WC004	PT 6LT	PUMP, WATER, CENTRIFUGAL, TRASH, ENGINE DRIVE, 6" DIA, 1300 GPM @ 100' HEAD ,TRAILER MTD (ADD HOSES)	33HP	D-off		$16,678	7.46	1.09	1.65	0.26	2.33	25
			NO SPECIFIC MANUFACTURER										
	P50XX001	6" DIESEL	PUMP, WATER, CENTRIFUGAL, TRASH, ENGINE DRIVE, 6" DIA, 1,165 GPM, AIR COOLED (ADD HOSES)	60HP	D-off		$20,385	11.11	1.34	2.04	0.32	4.23	22
	P50XX002	8" DIESEL	PUMP, WATER, CENTRIFUGAL, TRASH, ENGINE DRIVE, 8" DIA, 2,085 GPM, WATER COOLED (ADD HOSES)	70HP	D-off		$37,719	16.43	2.49	3.77	0.60	4.94	35
	P50XX003	10" DIESEL	PUMP, WATER, CENTRIFUGAL, TRASH, ENGINE DRIVE, 10" DIA, 2,665 GPM, WATER COOLED (ADD HOSES)	85HP	D-off		$40,389	18.59	2.66	4.04	0.64	5.99	43
	SUBCATEGORY 0.31		**HOSES, PUMP, SUCTION & DISCHARGE**										
			GORMAN-RUPP COMPANY										
	P50GR001		PUMP, WATER, CENTRIFUGAL, TRASH, HOSE, SUCTION/DISCH, 2" DIA X 20' WITH COUPLING (PER SECTION)				$346	0.24	0.05	0.08	0.01	0.00	1
	P50GR002		PUMP, WATER, CENTRIFUGAL, TRASH, HOSE, SUCTION/DISCH, 3" DIA X 20' WITH COUPLING (PER SECTION)				$521	0.36	0.07	0.12	0.01	0.00	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
P50			*GORMAN-RUPP COMPANY (continued)*										
	P50GR003		PUMP, WATER, CENTRIFUGAL, TRASH, HOSE, SUCTION/DISCH, 4" DIA X 20' WITH COUPLING (PER SECTION)				$729	0.49	0.09	0.16	0.01	0.00	1
	P50GR004		PUMP, WATER, CENTRIFUGAL, TRASH, HOSE, SUCTION/DISCH, 6" DIA X 20' WITH COUPLING (PER SECTION)				$1,497	1.03	0.20	0.34	0.03	0.00	1
P55	PUMPS, WATER, SUBMERSIBLE												
	SUBCATEGORY 0.01		**ENGINE DRIVE**										
			GRIFFIN DEWATERING CORP.										
	P55GF001	4MH	PUMP, WATER, SUBMERSIBLE, ENGINE DRIVE, 4" DIA, 400 GPM @ 20' HEAD, SKID MTD (INCLUDES POWER UNIT MODEL 250)(ADD HOSES)	21HP	D-off		$17,716	6.77	1.17	1.77	0.28	1.48	19
	P55GF002	6T	PUMP, WATER, SUBMERSIBLE, ENGINE DRIVE, 6" DIA, 2,000 GPM @ 20' HEAD, SKID MTD (INCLUDES POWER UNIT MODEL 400)(ADD HOSES)	72HP	D-off		$19,565	12.42	1.29	1.96	0.31	5.08	31
	SUBCATEGORY 0.02		**ELECTRIC DRIVE**										
			GORMAN-RUPP COMPANY										
	P55GR001	S2A1	PUMP, WATER, SUBMERSIBLE, ELECTRIC, 2" DIA, 138 GPM @ 20' HEAD (ADD HOSES)	2HP	E		$2,817	0.79	0.19	0.30	0.04	0.13	2
	P55GR002	S3A1	PUMP, WATER, SUBMERSIBLE, ELECTRIC, 3" DIA, 278 GPM @ 20' HEAD (ADD HOSES)	5HP	E		$3,782	1.27	0.26	0.40	0.06	0.32	3
	P55GR003	S4A1	PUMP, WATER, SUBMERSIBLE, ELECTRIC, 4" DIA, 860 GPM @ 40' HEAD (ADD HOSES)	25HP	E		$13,070	5.13	0.90	1.39	0.20	1.58	12
	P55GR004	S6A1	PUMP, WATER, SUBMERSIBLE, ELECTRIC, 6" DIA, 1950 GPM @ 40' HEAD (ADD HOSES)	60HP	E		$17,758	9.44	1.22	1.89	0.27	3.78	14
			WACKER CORPORATION										
	P55WC001	PS 400	PUMP, WATER, SUBMERSIBLE, ELECTRIC, 2" DIA, 66 GPM @ 39' HEAD (ADD HOSES)	1HP	E		$423	0.18	0.03	0.04	0.01	0.06	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		ENGINE HORSEPOWER - FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
P55			*WACKER CORPORATION (continued)*										
	P55WC002	PS 750	PUMP, WATER, SUBMERSIBLE, ELECTRIC, 2" DIA, 100 GPM @ 52' HEAD (ADD HOSES)	1HP	E		$795	0.25	0.05	0.08	0.01	0.06	1
P60	PUMPS, WATER, CENTRIFUGAL, DEWATERING												
	SUBCATEGORY 0.11		**SKID MOUNTED, ENGINE DRIVE**										
			HOMELITE, INC. (DEERE & COMPANY)										
	P60HO002	111S2	PUMP, WATER, CENTRIFUGAL, DEWATERING, SKID MOUNTED, ENGINE DRIVE, 2" DIA, 9,000 GPH AT 22' HEAD (ADD HOSES)	4HP	G		$825	0.94	0.05	0.08	0.01	0.54	1
	P60HO003	120S3	PUMP, WATER, CENTRIFUGAL, DEWATERING, SKID MOUNTED, ENGINE DRIVE, 3" DIA, 17,600 GPH AT 20' HEAD (ADD HOSES)	8HP	G		$1,354	2.00	0.09	0.14	0.02	1.22	1
			WACKER CORPORATION										
	P60WC001	PG 2	PUMP, WATER, CENTRIFUGAL, DEWATERING, SKID MOUNTED, ENGINE DRIVE, 2" DIA, 159 GPM AT 98' HEAD (ADD HOSES)	4HP	G		$616	0.98	0.04	0.06	0.01	0.61	1
	P60WC002	PG 3	PUMP, WATER, CENTRIFUGAL, DEWATERING, SKID MOUNTED, ENGINE DRIVE, 3" DIA, 264 GPM AT 98' HEAD (ADD HOSES)	6HP	G		$745	1.43	0.05	0.07	0.01	0.92	1
	SUBCATEGORY 0.21		**WHEEL MOUNTED, ENGINE DRIVE**										
			GRIFFIN DEWATERING CORP.										
	P60GF003	250/4"MH	PUMP, WATER, CENTRIFUGAL, DEWATERING, WHEEL, 4" DIA, 400 GPM @ 60' HEAD (ADD HOSES)	21HP	D-off		$20,067	7.12	1.32	1.99	0.32	1.48	19
	P60GF008	400/6"T	PUMP, WATER, CENTRIFUGAL, DEWATERING, WHEEL, 6" DIA, 1040 GPM @ 60' HEAD (ADD HOSES)	72HP	D-off		$21,916	12.72	1.44	2.17	0.35	5.08	31
	P60GF004	400/6"T	PUMP, WATER, CENTRIFUGAL, DEWATERING, WHEEL, 6" DIA, 2000 GPM @ 60' HEAD (ADD HOSES)	72HP	D-off		$21,916	12.72	1.44	2.17	0.35	5.08	31
	P60GF005	600/8"T	PUMP, WATER, CENTRIFUGAL, DEWATERING, WHEEL, 8" DIA, 3410 GPM @ 60' HEAD (ADD HOSES)	113HP	D-off		$25,203	17.67	1.65	2.50	0.40	7.97	39

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
P60			*GRIFFIN DEWATERING CORP. (continued)*										
	P60GF006	825/12"T	PUMP, WATER, CENTRIFUGAL, DEWATERING, WHEEL, 12" DIA, 4410 GPM @ 60' HEAD (ADD HOSES)	140 HP	D-off		$39,432	23.92	2.57	3.89	0.62	9.87	39
			GORMAN-RUPP COMPANY										
	P60GR001	14C2-F3L	PUMP, WATER, CENTRIFUGAL, DEWATERING, WHEEL, 4" DIA, 600 GPM @ 80' HEAD (ADD HOSES)	47 HP	D-off		$20,310	9.79	1.33	2.01	0.32	3.31	20
	P60GR002	86A2-F4L	PUMP, WATER, CENTRIFUGAL, DEWATERING, WHEEL, 6" DIA, 1825 GPM @ 40' HEAD (ADD HOSES)	101 HP	G		$22,312	26.62	1.46	2.21	0.35	15.46	20
P65	PUMPS, WATER, DIAPHRAGM												
	SUBCATEGORY 0.11		**SKID MOUNTED, ENGINE DRIVE**										
			HOMELITE, INC. (DEERE & COMPANY)										
	P65HO001	111DP2-1	PUMP, WATER, DIAPHRAGM, SKID MTD, 2" DIA, 2000 GPH @ 25' HEAD (ADD HOSES)	4 HP	G		$1,272	1.06	0.09	0.13	0.02	0.54	1
	P65HO002	111DP3-1	PUMP, WATER, DIAPHRAGM, SKID MTD, 3" DIA, 4800 GPH @ 25' HEAD (ADD HOSES)	4 HP	G		$1,376	1.08	0.09	0.14	0.02	0.54	2
	SUBCATEGORY 0.21		**WHEEL MOUNTED, ENGINE DRIVE**										
			GORMAN-RUPP COMPANY										
	P65GR001	3D-13	PUMP, WATER, DIAPHRAGM, WHEEL, 2" SUCTION X 3" DISCHARGE, 3,360 GPH @ 25' HEAD (ADD HOSES)	5 HP	G		$2,381	1.62	0.15	0.22	0.04	0.77	2
	P65GR002	3D-B	PUMP, WATER, DIAPHRAGM, WHEEL, 3" DIA, 3,360 GPH @ 25' HEAD (ADD HOSES)	2 HP	G		$3,028	1.03	0.19	0.28	0.05	0.23	2
	P65GR003	4D-B	PUMP, WATER, DIAPHRAGM, WHEEL, 4" DIA, 4,440 GPH @ 25' HEAD (ADD HOSES)	3 HP	G		$7,754	2.45	0.50	0.75	0.12	0.46	3
			WACKER CORPORATION										
	P65WC001	PDT 2A	PUMP, WATER, DIAPHRAGM, WHEEL, 2" DIA, 50 GPM @ 25' HEAD (ADD HOSES)	4 HP	G		$1,760	1.25	0.12	0.18	0.03	0.61	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
P65			*WACKER CORPORATION (continued)*										
	P65WC002	PDT 3A	PUMP, WATER, DIAPHRAGM, WHEEL, 3" DIA, 88 GPM @ 25' HEAD (ADD HOSES)	4HP	G		$1,829	1.26	0.12	0.18	0.03	0.61	2
P70	PUMPS, WATER (For core drills)												
	SUBCATEGORY 0.01		**ENGINE DRIVE**										
			NO SPECIFIC MANUFACTURER										
	P70XX001	75-7.6	PUMP, WATER, FOR CORE DRILLS, 7.6 GPM, 75 PSI, MANUAL, SKID (ADD HOSES)	2HP	G		$2,883	1.08	0.19	0.27	0.05	0.31	1
	P70XX002	225-17.5	PUMP, WATER, FOR CORE DRILLS, 17.5 GPM, 225 PSI, MANUAL, SKID (ADD HOSES)	6HP	G		$7,538	2.97	0.48	0.71	0.12	0.92	1
R10	RIPPERS & HYDRAULIC BANK SLOPERS (Add cost for point wear)												
	SUBCATEGORY 0.00		**RIPPERS & HYDRAULIC BANK SLOPERS (Add cost for point wear)**										
			CATERPILLAR INC. (MACHINE DIVISION)										
	R10CA022	D6RII-174-9198	RIPPER SHANK, EACH (ADD D6RII TRACTOR DOZER & RIPPER & COST FOR POINT WEAR)				$943	0.22	0.06	0.09	0.01	0.00	2
	R10CA001	D-3	RIPPER, 3-SHANKS & BEAM, HYDRAULIC (ADD D-3 TRACTOR DOZER & COST FOR POINT WEAR)				$8,936	2.27	0.59	0.89	0.14	0.00	13
	R10CA003	D-4C SERIES III	RIPPER, 3-SHANKS & BEAM, HYDRAULIC (ADD D-4 TRACTOR DOZER & COST FOR POINT WEAR)				$8,936	2.27	0.59	0.89	0.14	0.00	13
	R10CA006	D-5C111	RIPPER, SHANK, EACH (ADD D-5 TRACTOR DOZER & RIPPER & COST FOR POINT WEAR)				$229	0.05	0.01	0.02	0.00	0.00	1
	R10CA005	D-5C SERIES III	RIPPER, 3-SHANKS & BEAM, HYDRAULIC (ADD D-5 TRACTOR DOZER & COST FOR POINT WEAR)				$8,936	2.27	0.59	0.89	0.14	0.00	13
	R10CA007	D-6R II	RIPPER, 3-SHANKS & BEAM, HYDRAULIC (ADD D-6 TRACTOR DOZER & COST FOR POINT WEAR)				$20,620	5.15	1.36	2.06	0.33	0.00	40
	R10CA010	D-7R	RIPPER, SHANK, EACH (ADD D-7 TRACTOR DOZER & COST FOR POINT WEAR)				$1,559	0.38	0.10	0.16	0.02	0.00	2

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
R10			*CATERPILLAR INC. (MACHINE DIVISION) (continued)*									
	R10CA009	D-7R	RIPPER, 3-SHANKS & BEAM, HYDRAULIC (ADD D-7 TRACTOR DOZER & COST FOR POINT WEAR)			$38,365	9.52	2.53	3.84	0.61	0.00	77
	R10CA013	D-8R	RIPPER, SHANK, EACH (ADD D-8 TRACTOR DOZER & COST FOR POINT WEAR)			$3,429	0.84	0.22	0.34	0.05	0.00	7
	R10CA011	D-8R	RIPPER, 1-SHANK & BEAM, HYDRAULIC (ADD D-8 TRACTOR DOZER & COST FOR POINT WEAR)			$41,603	10.33	2.74	4.16	0.66	0.00	91
	R10CA012	D-8R	RIPPER, 3-SHANKS & BEAM, HYDRAULIC (ADD D-8 TRACTOR DOZER & COST FOR POINT WEAR)			$49,168	12.20	3.24	4.92	0.78	0.00	102
	R10CA016	D-9R	RIPPER, SHANK, EACH (ADD D-9 TRACTOR DOZER & COST FOR POINT WEAR)			$3,431	0.84	0.22	0.34	0.05	0.00	8
	R10CA014	D-9R	RIPPER, 1-SHANK & BEAM, HYDRAULIC (ADD D-9 TRACTOR DOZER & COST FOR POINT WEAR)			$53,704	13.37	3.54	5.37	0.85	0.00	102
	R10CA015	D-9R	RIPPER, 3-SHANKS & BEAM, HYDRAULIC (ADD D-9 TRACTOR DOZER & COST FOR POINT WEAR)			$61,480	15.28	4.05	6.15	0.97	0.00	91
	R10CA019	D-10R	RIPPER, SHANK, EACH (ADD D-10 TRACTOR DOZER & COST FOR POINT WEAR)			$5,602	1.62	0.37	0.56	0.09	0.00	12
	R10CA017	D-10R	RIPPER, 1-SHANK & BEAM, HYDRAULIC (ADD D-10 TRACTOR DOZER & COST FOR POINT WEAR)			$81,734	20.31	5.38	8.17	1.29	0.00	161
	R10CA018	D-10R	RIPPER, 3-SHANKS & BEAM, HYDRAULIC (ADD D-10 TRACTOR DOZER & COST FOR POINT WEAR)			$97,703	24.24	6.43	9.77	1.54	0.00	179
	R10CA020	D-11R	RIPPER, 1-SHANK & BEAM (ADD D-11 TRACTOR DOZER & COST FOR POINT WEAR)			$100,403	24.91	6.60	10.04	1.58	0.00	72
	R10CA021	D-11R	RIPPER, 3-SHANKS & BEAM (ADD D-11 TRACTOR DOZER & COST FOR POINT WEAR)			$103,281	25.65	6.80	10.33	1.63	0.00	103

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
R15	ROLLERS, STATIC, TOWED, PNEUMATIC											
	SUBCATEGORY 0.00		**ROLLERS, STATIC, TOWED, PNEUMATIC**									
			SOUTHWEST CONSTRUCTION EQUIPMENT CO.									
	R15SO001	C-50	ROLLER, STATIC, TOWED, PNEUMATIC, 60 TON, 9.8' WIDE, 4 TIRE (ADD TOWING UNIT)			$112,264	19.78	5.51	7.55	1.73	0.00	309
	R15SO002	C-75	ROLLER, STATIC, TOWED, PNEUMATIC, 75 TON, 10.5' WIDE, 4 TIRE (ADD TOWING UNIT)			$123,752	21.69	5.90	7.97	1.91	0.00	347
	R15SO003	C-100XL	ROLLER, STATIC, TOWED, PNEUMATIC, 100 TON, 10.5' WIDE, 4 TIRE (ADD TOWING UNIT)			$175,527	31.07	8.77	12.11	2.71	0.00	551
R20	ROLLERS, STATIC, TOWED, STEEL DRUM											
	SUBCATEGORY 0.00		**ROLLERS, STATIC, TOWED, STEEL DRUM**									
			REYNOLDS INTERNATIONAL, L.P.									
	R20RI001	DD-48X40	ROLLER, STATIC, TOWED, 2 STEEL DRUMS, 48" X 40", PADFOOT (ADD TOWING UNIT)			$17,387	3.53	0.97	1.39	0.27	0.00	183
	R20RI002	DD-48X60	ROLLER, STATIC, TOWED, 2 STEEL DRUMS, 48" X 60", PADFOOT (ADD TOWING UNIT)			$26,663	5.27	1.48	2.13	0.41	0.00	177
			SOUTHWEST CONSTRUCTION EQUIPMENT CO.									
	R20SO001	2DH-RR	ROLLER, STATIC, TOWED, 2 STEEL DRUMS, 60"X60", SHEEPSFOOT (ADD TOWING UNIT)			$61,313	11.82	3.41	4.91	0.95	0.00	200
R30	ROLLERS, STATIC, SELF-PROPELLED											
	SUBCATEGORY 0.01		**PNEUMATIC**									
			COMPACTION AMERICA									
	R30BO004	BW11RH	ROLLER, STATIC, SELF-PROPELLED, PNEUMATIC, 13.50 TON, 68" WIDE, 9 TIRE, ASPHALT COMPACTOR	76HP D-off		$72,528	22.67	4.72	7.22	1.11	4.74	100

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
R30			*COMPACTION AMERICA (continued)*									
	R30BO003	BW20R	ROLLER, STATIC, SELF-PROPELLED, PNEUMATIC, 30.00 TON, 78" WIDE, 8 TIRE, ASPHALT COMPACTOR	101HP D-off		$107,740	32.43	7.17	11.03	1.65	6.29	230
			CATERPILLAR INC. (MACHINE DIVISION)									
	R30CA010	PS-150B	ROLLER, STATIC, SELF-PROPELLED, PNEUMATIC, 14.25 TON, 68" WIDE, 9 TIRE, ASPHALT COMPACTOR	70HP D-off		$69,758	21.32	4.71	7.28	1.07	4.36	85
	R30CA011	PS-200B	ROLLER, STATIC, SELF-PROPELLED, PNEUMATIC, 20.00 TON, 68" WIDE, 9 TIRE, ASPHALT COMPACTOR	105HP D-off		$80,408	26.58	5.40	8.33	1.23	6.54	87
	R30CA014	PS-360B	ROLLER, STATIC, SELF-PROPELLED, PNEUMATIC, 27.55 TON, 90" WIDE, 7 TIRE, ASPHALT COMPACTOR	105HP D-off		$133,474	39.24	8.74	13.39	2.04	6.54	352
			ROSCO MANUFACTURING CO.									
	R30RS003	TRU-PAC 915	ROLLER, STATIC, SELF-PROPELLED, PNEUMATIC, 6-15 TON, 68" WIDE, 9 TIRES, ASPHALT/SOIL COMPACTOR	85HP D-off		$52,454	18.64	3.48	5.35	0.80	5.30	115
			SAKAI AMERICA, INC.									
	R30SI002	TS200	ROLLER, STATIC, SELF-PROPELLED, PNEUMATIC, 16 TON, 81" WIDE, 9 TIRE, ASPHALT COMPACTOR	91HP D-off		$90,540	27.99	5.89	9.01	1.38	5.67	187
	R30SI003	TS600C	ROLLER, STATIC, SELF-PROPELLED, PNEUMATIC, 16 TON, 81" WIDE, 9 TIRE, ASPHALT COMPACTOR	95HP D-off		$112,879	33.31	7.43	11.39	1.73	5.92	187
	R30SI004	TS650C	ROLLER, STATIC, SELF-PROPELLED, PNEUMATIC, 27 TON, 82" WIDE, 7 TIRE, ASPHALT COMPACTOR	108HP D-off		$149,600	42.45	9.99	15.40	2.29	6.73	281
	SUBCATEGORY 0.02		**SMOOTH DRUM**									
			COMPACTION AMERICA									
	R30BO005	BW5AS	ROLLER, STATIC, SELF-PROPELLED, SMOOTH DRUM, DOUBLE DRUM, 2 WHEEL, 6 TON, 40" WIDE ASPHALT COMPACTOR	50HP D-off		$63,121	16.16	3.63	5.37	0.94	3.12	130

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
R30			*COMPACTION AMERICA (continued)*										
	R30BO006	BW9AS	ROLLER, STATIC, SELF-PROPELLED, SMOOTH DRUM, DOUBLE DRUM, 10 TON, 50" WIDE ASPHALT COMPACTOR	75HP	D-off		$76,385	20.68	4.39	6.49	1.14	4.67	211
	R30BO007	BW11AS	ROLLER, STATIC, SELF-PROPELLED, SMOOTH DRUM, DOUBLE DRUM, 14 TON, 54" WIDE ASPHALT COMPACTOR	70HP	D-off		$89,874	22.90	5.16	7.64	1.34	4.36	284
			ROSCO MANUFACTURING CO.										
	R30RS001	DLX ROLLPAC III	ROLLER, STATIC, SELF-PROPELLED, SMOOTH DRUM, DOUBLE DRUM, 1.5 TON, 34" WIDE, ASPHALT COMPACTOR	15HP	G		$8,507	4.23	0.49	0.72	0.13	2.04	17
	R30RS002	STAPAC III	ROLLER, STATIC, SELF-PROPELLED, SMOOTH DRUM, DOUBLE DRUM, 2 TON, 40" WIDE, ASPHALT COMPACTOR	20HP	G		$11,039	5.59	0.63	0.94	0.16	2.72	26
			SAKAI AMERICA, INC.										
	R30SI005	R2H	ROLLER, STATIC, SELF-PROPELLED, SMOOTH DRUM, 3 DRUMS, 14 TON, 64" WIDE, ASPHALT COMPACTOR	75HP	D-off		$107,274	26.65	6.16	9.12	1.60	4.67	207
	SUBCATEGORY 0.03		**TAMPING FOOT, LANDFILL & SOIL COMPACTORS**										
			COMPACTION AMERICA										
	R30BO009	BC671RB	ROLLER, STATIC, SELF-PROPELLED, LANDFILL/SOIL COMPACTOR, SHEEPSFOOT, 4X4, 35 TON, 63" DIA, 19.58' WIDTH PER 2-PASS, W/BLADE	338HP	D-off		$470,519	101.80	22.84	31.37	7.15	21.06	710
	R30BO008	BC771RB	ROLLER, STATIC, SELF-PROPELLED, LANDFILL/SOIL COMPACTOR, SHEEPSFOOT, 4X4, 40 TON, 63" DIA, 19.58' WIDTH PER 2-PASS, W/BLADE	357HP	D-off		$492,795	106.87	23.92	32.85	7.49	22.25	812
			CATERPILLAR INC. (MACHINE DIVISION)										
	R30CA003	815-F	ROLLER, STATIC, SELF-PROPELLED, LANDFILL/SOIL COMPACTOR, SHEEPSFOOT, 4X4, 23 TON, 56" DIA, 14.25' WIDTH PER 2-PASS, W/BLADE	240HP	D-off		$308,132	68.16	14.95	20.54	4.68	14.96	449

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		ENGINE HORSEPOWER - FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
R30			*CATERPILLAR INC. (MACHINE DIVISION) (continued)*										
	R30CA012	816-F	ROLLER, STATIC, SELF-PROPELLED, LANDFILL/SOIL COMPACTOR, TAMPING FOOT, CHOPPER, 4X4, 25.0 TON, 14.75' WIDTH PER 2-PASS, W/BLADE	220HP	D-off		$316,142	67.85	15.34	21.08	4.80	13.71	509
	R30CA006	825-G II	ROLLER, STATIC, SELF-PROPELLED, LANDFILL/SOIL COMPACTOR, SHEEPSFOOT, 4X4, 35 TON, 51" DIA, 16.00' WIDTH PER 2-PASS, W/BLADE	315HP	D-off		$469,697	99.86	22.80	31.31	7.14	19.63	734
	R30CA013	826-G II	ROLLER, STATIC, SELF-PROPELLED, LANDFILL/SOIL COMPACTOR, TAMPING FOOT, CHOPPER, 4X4, 36.5 TON, 15.66' WIDTH PER 2-PASS, W/BLADE	315HP	D-off		$488,789	102.91	23.73	32.59	7.43	19.63	771
	R30CA009	836 G	ROLLER, STATIC, SELF-PROPELLED, LANDFILL/SOIL COMPACTOR, TAMPING FOOT, CHOPPER, 4X4, 50.0 TON, 18.58' WIDTH PER 2-PASS, W/BLADE	473HP	D-off		$647,011	140.65	31.40	43.13	9.83	29.48	1,166
R40	ROLLERS, VIBRATORY, TOWED												
	SUBCATEGORY 0.00		**ROLLERS, VIBRATORY, TOWED**										
			SOUTHWEST CONSTRUCTION EQUIPMENT CO.										
	R40SO001	566 SHEEPSFT	ROLLER, VIBRATORY, TOWED, SINGLE DRUM, SHEEPSFOOT, 25.5 TON, 72" WIDE (ADD 180 HP TOWING UNIT)	50HP	D-off		$86,199	24.82	5.67	8.62	1.36	3.53	165
	R40SO003	572 SMOOTH	ROLLER, VIBRATORY, TOWED, SINGLE DRUM, SMOOTH, 25.5 TON, 72" WIDE (ADD 75-105 HP TOWING UNIT)	50HP	D-off		$82,839	24.04	5.45	8.28	1.31	3.53	169
	R40SO002	756 SHEEPSFT	ROLLER, VIBRATORY, TOWED, SINGLE DRUM, SHEEPSFOOT, 23.5 TON, 78" WIDE (ADD 180 HP TOWING UNIT)	75HP	D-off		$112,857	33.41	7.43	11.29	1.78	5.29	240
	R40SO004	786 SMOOTH	ROLLER, VIBRATORY, TOWED, SINGLE DRUM, SMOOTH, 23.5 TON, 78" WIDE (ADD 75-105 HP TOWING UNIT)	75HP	D-off		$82,144	26.28	5.41	8.21	1.30	5.29	230

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
R45	ROLLERS, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM												
	SUBCATEGORY 0.00		ROLLERS, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM										
			COMPACTION AMERICA										
	R45BO004	BW120AD-3	ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 2.9 TON, 47.2" WIDE, 2X1, ASPHALT COMPACTOR	33HP	D-off		$45,459	15.73	3.00	4.55	0.72	2.33	59
	R45BO005	BW138AD	ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 4.6 TON, 54.3" WIDE, 2X1, ASPHALT COMPACTOR	46HP	D-off		$56,329	19.96	3.71	5.63	0.89	3.24	92
	R45BO006	BW151AD-2	ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 7.8 TON, 66.1" WIDE, 2X1, ASPHALT COMPACTOR	74HP	D-off		$108,269	36.99	7.13	10.83	1.71	5.22	158
	R45BO007	BW161AD-2	ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 10.4 TON, 66.1" WIDE, 2X1, ASPHALT COMPACTOR	113HP	D-off		$131,504	47.15	8.66	13.15	2.08	7.97	209
	R45BO008	BW202ADH-2	ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 12.6 TON, 84.0" WIDE, 2X1, ASPHALT COMPACTOR	113HP	D-off		$139,092	49.23	9.15	13.91	2.19	7.97	252
			CATERPILLAR INC. (MACHINE DIVISION)										
	R45CA001	CB-214D	ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 2.5 TON, 39.4" WIDE, 2X1, ASPHALT COMPACTOR	32HP	D-off		$39,080	13.87	2.58	3.91	0.62	2.26	81
	R45CA002	CB-224D	ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 2.7 TON, 47.2" WIDE, 2X1, ASPHALT COMPACTOR	32HP	D-off		$45,148	15.53	2.97	4.51	0.71	2.26	58
	R45CA005	CB-434C	ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 6.6 TON, 56" WIDE, 2X1, ASPHALT COMPACTOR	70HP	D-off		$109,264	36.88	7.19	10.93	1.72	4.94	137
	R45CA007	CB-534C	ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 10.0 TON, 67" WIDE, 2X1, ASPHALT COMPACTOR	105HP	D-off		$132,549	46.64	8.72	13.25	2.09	7.40	233
	R45CA010	CB-634D	ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 13.2 TON, 84" WIDE, 2X1, ASPHALT COMPACTOR	145HP	D-off		$165,253	59.54	10.88	16.53	2.61	10.23	283

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			ROSCO MANUFACTURING CO.									
	R45RS001	VIBRASTAT III	ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 2.0 TON, 36" WIDE, ASPHALT COMPACTOR	20HP G		$13,454	7.88	0.89	1.35	0.21	3.06	27
			SAKAI AMERICA, INC.									
	R45SI008	SW320	ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 3.0 TON, 47" WIDE, 2X1, ASPHALT COMPACTOR	34HP D-off		$39,113	14.06	2.58	3.91	0.62	2.40	28
	R45SI009	SW650	ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 7.8 TON, 58" WIDE, 2X1, ASPHALT COMPACTOR	37HP D-off		$89,016	28.11	5.85	8.90	1.40	2.61	157
	R45SI010	SW850	ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 14.0 TON, 79" WIDE, 2X1, ASPHALT COMPACTOR	121HP D-off		$124,932	46.08	8.22	12.49	1.97	8.53	124
R50	ROLLERS, VIBRATORY, SELF-PROPELLED, SINGLE DRUM											
	SUBCATEGORY 0.00		**ROLLERS, VIBRATORY, SELF-PROPELLED, SINGLE DRUM**									
			COMPACTION AMERICA									
	R50BO005	BW124D	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 2.9 TON, 47.2" WIDE, 3X2, SOIL COMPACTOR	38HP D-off		$42,590	13.75	2.58	3.78	0.69	1.93	60
	R50BO010	BW124PD	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, PAD FOOT, 2.9 TON, 47.2" WIDE, 3X2, SOIL COMPACTOR	38HP D-off		$44,657	14.07	2.81	4.16	0.73	1.93	60
	R50BO006	BW145 D-3	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 5.5 TON, 56.1" WIDE, 3X2, SOIL COMPACTOR	75HP D-off		$75,256	24.44	4.74	7.03	1.22	3.81	110
	R50BO011	BW145PDH-3	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, PAD FOOT, 5.8 TON, 56.1" WIDE, 3X2, SOIL COMPACTOR	75HP D-off		$79,606	25.55	5.01	7.44	1.29	3.81	118
	R50BO007	BW177D-3	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 7.9 TON, 66.4" WIDE, 3X2, SOIL COMPACTOR	75HP D-off		$103,890	31.82	6.52	9.66	1.69	3.81	159

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		ENGINE HORSEPOWER - FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
R50			*COMPACTION AMERICA (continued)*										
	R50BO012	BW177PDH-3	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, PAD FOOT, 8.3 TON, 66.4" WIDE, 3X2, SOIL COMPACTOR	110HP	D-off		$117,438	37.71	7.38	10.93	1.91	5.59	166
	R50BO008	BW213D-3	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 11.5 TON, 83.9" WIDE, 3X2, SOIL COMPACTOR	148HP	D-off		$133,270	44.54	8.31	12.28	2.17	7.52	269
	R50BO013	BW213PDH-3	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, PAD FOOT, 14.1 TON, 83.9" WIDE, 3X2, SOIL COMPACTOR	185HP	D-off		$146,835	50.57	9.17	13.55	2.39	9.41	283
	R50BO009	BW219DH-3	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 20.6 TON, 83.9" WIDE, 3X2, SOIL COMPACTOR	181HP	D-off		$200,763	64.07	12.57	18.61	3.26	9.20	412
			CATERPILLAR INC. (MACHINE DIVISION)										
	R50CA001	CS-323C	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 4.6 TON, 50" WIDE, 3X2, SOIL COMPACTOR	70HP	D-off		$72,340	23.40	4.54	6.72	1.18	3.56	97
	R50CA003	CS-431C	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 6.9 TON, 66" WIDE, 3X2, SOIL COMPACTOR	97HP	D-off		$97,463	31.69	6.11	9.06	1.58	4.93	138
	R50CA005	CS-433E	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 7.1 TON, 66" WIDE, 3X2, SOIL COMPACTOR	100HP	D-off		$105,792	34.02	6.64	9.84	1.72	5.08	147
	R50CA009	CS-563E	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 12.2 TON, 84" WIDE, 3X2, SOIL COMPACTOR	150HP	D-off		$133,477	44.74	8.32	12.29	2.17	7.63	253
	R50CA011	CS-583E	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 16.5 TON, 84" WIDE, 3X2, SOIL COMPACTOR	150HP	D-off		$164,513	52.66	10.27	15.20	2.67	7.63	340
	R50CA002	CP-323C (PADS)	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, PAD FOOT, 4.6 TON, 50" WIDE, 3X2, SOIL COMPACTOR	70HP	D-off		$84,365	26.47	5.30	7.85	1.37	3.56	105
	R50CA010	CP-563E (PADS)	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, 12.5 TON, 84" WIDE, SOIL COMPACTOR, PADDED DRUM	150HP	D-off		$160,191	51.56	10.00	14.80	2.60	7.63	262
	R50CA004	CP-433E (PADS)	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, PAD FOOT, 7.1 TON, 66" WIDE, 3X2,SOIL COMPACTOR	100HP	D-off		$116,802	36.84	7.34	10.87	1.90	5.08	150

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
R50			*CATERPILLAR INC. (MACHINE DIVISION) (continued)*									
	R50CA012	CP-563E (PADS)	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, PAD FOOT, 12.5 TON, 84" WIDE, 3X2, SOIL COMPACTOR	150HP D-off		$160,221	51.57	10.00	14.80	2.60	7.63	275
			INGERSOLL RAND ROAD MACHINERY DIV									
	R50IP001	SD-40D	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 4.9 TON, 54" WIDE, SOIL COMPACTOR	76HP D-off		$79,049	25.52	4.95	7.33	1.28	3.86	91
			SAKAI AMERICA, INC.									
	R50SI024	TW350 Combo	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 1.5 TON, 39.5" WIDE, 2X1, ASPHALT COMPACTOR	28HP D-off		$48,438	14.42	3.01	4.44	0.79	1.42	25
	R50SI025	TW500 Combo	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 3.9 TON, 51" WIDE, 2X1, ASPHALT COMPACTOR	30HP D-off		$59,728	17.45	3.72	5.50	0.97	1.53	36
	R50SI006	SV201D	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 4.8 TON, 54" WIDE, 3X2, SOIL COMPACTOR	60HP D-off		$66,707	21.29	4.17	6.17	1.08	3.05	41
	R50SI007	SV201T (PADS)	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 4.9 TON, 54" WIDE, 3X2, SOIL COMPACTOR	60HP D-off		$72,876	22.87	4.56	6.75	1.18	3.05	43
	R50SI022	SV400D	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 7.7 TON, 67" WIDE, 3X2, SOIL COMPACTOR	138HP D-off		$91,780	33.11	5.75	8.51	1.49	7.02	156
	R50SI026	TW750 Combo	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 8.7 TON, 66" WIDE, 2X1, ASPHALT COMPACTOR	104HP D-off		$118,495	37.59	7.44	11.01	1.93	5.29	100
	R50SI023	SV400TB (PADS)	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 9.6 TON, 67" WIDE, 3X2, SOIL COMPACTOR	82HP D-off		$103,961	32.34	6.52	9.65	1.69	4.17	72
	R50SI013	SV510D-1	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 11.5 TON, 84" WIDE, 3X2, SOIL COMPACTOR	138HP D-off		$109,869	37.89	6.84	10.09	1.79	7.02	507
	R50SI016	SV510T (PADS)	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 11.9 TON, 60" WIDE, 3X2, SOIL COMPACTOR	118HP D-off		$118,325	38.65	7.36	10.88	1.92	6.00	110

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
R50			*SAKAI AMERICA, INC. (continued)*										
	R50SI017	SV510TF (PADS)	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 14.3 TON, 85" WIDE, 3X2, SOIL COMPACTOR	118HP	D-off		$135,182	42.96	8.43	12.46	2.20	6.00	131
R55	**ROOFING EQUIPMENT**												
	SUBCATEGORY 0.00		**ROOFING EQUIPMENT**										
			AEROIL PRODUCTS COMPANY, INC.										
	R55AE001	EZ LOAD 270	ROOFING EQUIPMENT, KETTLE, 270 GAL, W/PUMP, TRAILER MTD	8HP	G		$6,436	6.34	0.55	0.89	0.10	0.82	20
	R55AE002	EZ LOAD 410	ROOFING EQUIPMENT, KETTLE, 410 GAL, W/PUMP, TRAILER MTD	8HP	G		$7,817	8.47	0.66	1.08	0.12	0.82	25
	R55AE003	EZ LOAD 680	ROOFING EQUIPMENT, KETTLE, 680 GAL, W/PUMP, TRAILER MTD	8HP	G		$10,499	10.90	0.89	1.43	0.17	0.82	39
	R55AE004	EZ LOAD 1000	ROOFING EQUIPMENT, KETTLE, 1000 GAL, W/PUMP, TRAILER MTD	8HP	G		$13,870	12.27	1.11	1.78	0.22	0.82	54
	R55AE008	RHINO S PEELER	ROOFING EQUIPMENT, ROOF PEELER, 16" WIDE WALK BEHIND, POWERED WHEEL 2X2	8HP	G		$4,706	2.51	0.39	0.64	0.07	0.82	6
	R55AE009	MKI9	ROOFING EQUIPMENT, 1-BLADE CUTTER, 3.75" DEEP WALK BEHIND (ADD BLADE COST)	9HP	G		$1,709	1.71	0.15	0.24	0.03	0.92	2
	R55AE010	MK216R	ROOFING EQUIPMENT, 2-BLADE CUTTER, 3.75" DEEP WALK BEHIND (ADD BLADE COST)	16HP	G		$3,145	3.06	0.28	0.45	0.05	1.63	3
	R55AE011	BUFFALO 800	ROOFING EQUIPMENT, MATERIAL BUGGY, WALK BEHIND GRAVEL SPREADER, HOPPER 800 LBS, 8CF, 4X2	5HP	G		$3,210	1.62	0.25	0.39	0.05	0.51	4
			GARLOCK EQUIPMENT CO.										
	R55GL017	SUPER MINI SAW	ROOFING EQUIPMENT, SINGLE BLADE CUTTER, 18" HEIGHT -2" WALL CLEARANCE	5HP	G		$1,838	1.23	0.16	0.26	0.03	0.51	2
	R55GL016	DUST MASTER ULTRA CU	ROOFING EQUIPMENT, SINGLE BLADE CUTTER, W/WATER DAMPENING SYSTEM AND H.E.P.A. VACUUM SYSTEM	9HP	G		$5,444	2.88	0.48	0.77	0.09	0.92	3
	R55GL011	TWIN ROOF CUTTER	ROOFING EQUIPMENT, DUAL BLADE CUTTER, 30" WIDE CUT, SELF PROPELLED (ADD BLADE COST)	16HP	G		$6,181	4.02	0.54	0.88	0.10	1.63	4

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
R55			*GARLOCK EQUIPMENT CO. (continued)*										
	R55GL018	NO.12	ROOFING EQUIPMENT, SCRATCHER, 4.5" WIDE PATH	5HP	G		$1,918	1.25	0.17	0.27	0.03	0.51	1
	R55GL019	NO. 30	ROOFING EQUIPMENT, SCRATCHER, 13" WIDE PATH	8HP	G		$3,449	2.12	0.30	0.49	0.05	0.82	3
	R55GL009	ROTARY PLANER	ROOFING EQUIPMENT, ROTARY PLANER, 12" WIDE PATH	11HP	G		$2,261	2.07	0.20	0.32	0.04	1.07	2
	R55GL008	MODEL 86	ROOFING EQUIPMENT, POWER SWEEPER, 42" WIDTH	5HP	G		$2,714	1.50	0.22	0.36	0.04	0.51	2
	R55GL015	MODEL 1000	ROOFING EQUIPMENT, HYDRAULIC HOIST, W/175' CABLE, 1000 LB CAP	9HP	G		$8,553	3.86	0.75	1.21	0.14	0.92	8
	R55GL007	MODEL 1400	ROOFING EQUIPMENT, HYDRAULIC SWING HOIST, W/275' CABLE, 1400 LB CAP	18HP	G		$12,478	6.27	1.09	1.77	0.20	1.84	10
	R55GL013	MODEL 30	ROOFING EQUIPMENT, KETTLE, 30 GAL, WHEEL MTD				$1,247	0.62	0.10	0.15	0.02	0.00	3
	R55GL014	MODEL 85	ROOFING EQUIPMENT, KETTLE, 85 GAL, SKID MTD				$2,835	1.24	0.25	0.40	0.05	0.00	7
	R55GL001	MODEL 115	ROOFING EQUIPMENT, KETTLE, 115 GAL, TRAILER MTD				$3,123	1.47	0.27	0.43	0.05	0.00	8
	R55GL002	MODEL 175	ROOFING EQUIPMENT, KETTLE, 175 GAL, W/PUMP, TRAILER MTD	5HP	G		$8,991	3.95	0.77	1.25	0.14	0.51	17
	R55GL012	MODEL 300	ROOFING EQUIPMENT, KETTLE, 300 GAL, W/PUMP, TRAILER MTD	9HP	G		$12,197	5.72	1.04	1.70	0.19	0.92	23
	R55GL003	MODEL 412	ROOFING EQUIPMENT, KETTLE, 412 GAL, W/PUMP, TRAILER MTD	9HP	G		$12,424	5.79	1.06	1.71	0.20	0.92	30
	R55GL004	MODEL 612	ROOFING EQUIPMENT, KETTLE, 612 GAL, W/PUMP, TRAILER MTD	9HP	G		$14,477	6.69	1.24	2.01	0.23	0.92	40
S10	SCRAPERS, ELEVATING												
	SUBCATEGORY 0.01		**0 THRU 200 HP**										
			CATERPILLAR INC. (MACHINE DIVISION)										
	S10CA001	613-C SERIES II	SCRAPER, ELEVATING LOADING, 11 CY, 13 TON, 4X2 - SINGLE POWERED	175HP	D-off		$241,432	62.58	13.12	18.77	3.73	8.90	336

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			DEERE & COMPANY									
	S10JD001	762B	SCRAPER, ELEVATING LOADING, 11 CY, 13.8 TON, 4X2 - SINGLE POWERED	180 HP D-off		$240,271	62.70	13.05	18.67	3.71	9.15	370
	SUBCATEGORY 0.02		**OVER 200 HP**									
			CATERPILLAR INC. (MACHINE DIVISION)									
	S10CA002	615-C SERIES II	SCRAPER, ELEVATING LOADING, 17 CY, 19 TON, 4X2 - SINGLE POWERED	265 HP D-off		$376,878	82.66	16.29	20.79	5.89	13.47	526
	S10CA003	623-G	SCRAPER, ELEVATING LOADING, 23 CY, 25 TON, 4X2 - SINGLE POWERED	365 HP D-off		$560,092	119.17	24.37	31.22	8.76	18.56	810
			DEERE & COMPANY									
	S10JD002	862B	SCRAPER, ELEVATING LOADING, 18 CY, 20.4 TON, 4X2 - SINGLE POWERED	268 HP D-off		$368,745	80.30	16.06	20.57	5.77	13.63	482
S15	SCRAPERS, CONVENTIONAL											
	SUBCATEGORY 0.00		**SCRAPERS, CONVENTIONAL**									
			CATERPILLAR INC. (MACHINE DIVISION)									
	S15CA001	621-G	SCRAPER, CONVENTIONAL, STANDARD LOADING, 21 CY, 24 TON, 4X2 - SINGLE POWERED	365 HP D-off		$490,353	92.06	20.06	25.42	7.35	17.36	714
	S15CA002	631-G	SCRAPER, CONVENTIONAL, STANDARD LOADING, 34 CY, 37.5 TON, 4X2 - SINGLE POWERED	450 HP D-off		$742,019	134.78	30.19	38.14	11.12	21.40	1,020
	S15CA003	651-E	SCRAPER, CONVENTIONAL, STANDARD LOADING, 44 CY, 52 TON, 4X2 - SINGLE POWERED	550 HP D-off		$919,867	166.05	37.46	47.36	13.78	26.16	1,323

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
S20	**SCRAPERS, TANDEM POWERED**											
	SUBCATEGORY 0.00		**SCRAPERS, TANDEM POWERED**									
			CATERPILLAR INC. (MACHINE DIVISION)									
	S20CA001	627-G	SCRAPER, TANDEM POWERED, STANDARD LOADING, 21 CY, 24 TON, 4X4, D-9 ASSISTED LOADING	330 HP D-off	225 HP D-off	$556,920	116.11	22.83	28.97	8.34	27.31	791
	S20CA002	627-G PP	SCRAPER, TANDEM POWERED, STANDARD LOADING, 20 CY, 24 TON, 4X4, PUSH-PULL	330 HP D-off	225 HP D-off	$585,988	120.00	24.04	30.52	8.78	27.31	824
	S20CA003	637-G	SCRAPER, TANDEM POWERED, STANDARD LOADING, 34 CY, 37.5 TON, 4X4, D-10 ASSISTED LOADING	450 HP D-off	250 HP D-off	$939,693	182.53	38.42	48.68	14.08	34.44	1,084
	S20CA004	637-G PP	SCRAPER, TANDEM POWERED, STANDARD LOADING, 34 CY, 37.5 TON, 4X4, PUSH-PULL	450 HP D-off	250 HP D-off	$978,303	187.69	40.03	50.74	14.66	34.44	1,117
	S20CA005	657-E	SCRAPER, TANDEM POWERED, STANDARD LOADING, 44 CY, 52 TON, 4X4, D-11 ASSISTED LOADING	550 HP D-off	400 HP D-off	$1,111,850	220.28	45.66	58.00	16.66	46.74	1,516
	S20CA006	657-E PP	SCRAPER, TANDEM POWERED, STANDARD LOADING, 44 CY, 52 TON, 4X4, PUSH-PULL	550 HP D-off	400 HP D-off	$1,223,555	238.64	50.11	63.56	18.33	46.74	1,550
S25	**SCRAPERS, TRACTOR DRAWN**											
	SUBCATEGORY 0.00		**SCRAPERS, TRACTOR DRAWN**									
			DEERE & COMPANY									
	S25JD001	1510C	SCRAPER, TOWED, STANDARD LOADING, 11 CY, 17 TON, 10' CUT WIDTH (ADD 225 HP TRACTOR)			$38,246	7.93	1.72	2.27	0.58	0.00	168
	S25JD002	1814C	SCRAPER, TOWED, STANDARD LOADING, 14 CY, 23 TON, 14' CUT WIDTH (ADD 360HP TRACTOR)			$48,681	9.85	2.15	2.82	0.74	0.00	213

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			REYNOLDS INTERNATIONAL, L.P.										
	S25RI001	14CS10	SCRAPER, TOWED, PIVOT DUMP, 10.7-14 CY, 15 TON, 10' CUT WIDTH (ADD 250 - 300 HP TRACTOR)				$36,940	7.30	1.73	2.34	0.56	0.00	138
	S25RI002	17C12 (RG)	SCRAPER, TOWED, PIVOT DUMP, 13-17 CY, 17 TON, 12' CUT WIDTH (ADD 350 - 400 HP TRACTOR)				$42,072	8.24	1.96	2.63	0.64	0.00	170
			ROME PLOW CO.										
	S25RM003	R56H	SCRAPER, TOWED, 9-12 CY, 12.5 TON, 8.5' CUT WIDTH (ADD 120-165 HP TRACTOR)				$88,291	17.13	3.93	5.17	1.34	0.00	203
	S25RM001	R67H	SCRAPER, TOWED, 12-17 CY, 17 TON, 9.9' CCUT WIDTH (ADD 165-215 HP TRACTOR)				$111,410	20.58	5.05	6.71	1.69	0.00	238
	S25RM002	R89H	SCRAPER, TOWED, 18-26 CY, 25 TON, 10.8' CUT WIDTH (ADD 285-370 HP TRACTOR)				$125,231	23.10	5.65	7.49	1.90	0.00	382
S30	SCREENING & CRUSHING PLANTS												
	SUBCATEGORY 0.10		**CONVEYORS**										
			KOLBERG - PIONEER, INC										
	S30KB034	12-3050	SCREENING & CRUSHING PLANTS, FEEDER CONVEYOR, 30"X 50', 7 CY HOPPER & 6' FEED, PORTABLE, 500 TPH	15HP	E		$40,912	8.68	2.30	3.41	0.59	0.68	15
	S30KB035	12-3070	SCREENING & CRUSHING PLANTS, FEEDER CONVEYOR, 30"X 70', 7 CY HOPPER & 6' FEED, PORTABLE, 500 TPH	20HP	E		$46,984	10.16	2.64	3.92	0.68	0.91	18
	S30KB036	12-3650	SCREENING & CRUSHING PLANTS, FEEDER CONVEYOR, 36"X 50', 7 CY HOPPER & 6' FEED, PORTABLE, 750 TPH	20HP	E		$43,942	9.59	2.46	3.66	0.63	0.91	16
	S30KB041	12-3670	SCREENING & CRUSHING PLANTS, FEEDER CONVEYOR, 36" X 70', 7 CY HOPPER & 6' FEED, PORTABLE, 750 TPH	20HP	E		$50,622	10.85	2.85	4.23	0.73	0.91	19
	S30KB001	13-2480	SCREENING & CRUSHING PLANTS, CONVEYOR, STACKING, 24" WIDE X 80' LONG, PORTABLE, 250 TPH	10HP	E		$29,665	6.23	1.65	2.44	0.43	0.46	14

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		ENGINE HORSEPOWER - FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
S30			*KOLBERG - PIONEER, INC (continued)*										
	S30KB002	13-24100	SCREENING & CRUSHING PLANTS, CONVEYOR, STACKING, 24" WIDE X 100' LONG, PORTABLE, 250 TPH	15HP	E		$35,174	7.61	1.97	2.91	0.51	0.68	18
	S30KB003	13-3080	SCREENING & CRUSHING PLANTS, CONVEYOR, STACKING, 30" WIDE X 80' LONG, PORTABLE, 500 TPH	20HP	E		$31,363	7.25	1.80	2.69	0.45	0.91	20
	S30KB004	13-30100	SCREENING & CRUSHING PLANTS, CONVEYOR, STACKING, 30" WIDE X 100' LONG, PORTABLE, 500 TPH	25HP	E		$43,781	9.91	2.37	3.47	0.63	1.14	25
	S30KB005	13-3680	SCREENING & CRUSHING PLANTS, CONVEYOR, STACKING, 36" WIDE X 80' LONG, PORTABLE, 750 TPH	25HP	E		$36,574	8.56	2.04	3.01	0.53	1.14	30
	S30KB006	13-36100	SCREENING & CRUSHING PLANTS, CONVEYOR, STACKING, 36" WIDE X 100' LONG, PORTABLE, 750 TPH	30HP	E		$47,563	10.98	2.59	3.79	0.69	1.37	38
	S30KB007	31-2480	SCREENING & CRUSHING PLANTS, CONVEYOR, SIDE FOLDING STACKER, 24" WIDE X 80' LONG, WHEEL MTD, 750 TPH	10HP	E		$31,664	6.61	1.77	2.62	0.46	0.46	22
	S30KB008	31-24100	SCREENING & CRUSHING PLANTS, CONVEYOR, SIDE FOLDING STACKER, 24" WIDE X 100' LONG, PORTABLE, 250 TPH	15HP	E		$39,166	8.33	2.20	3.28	0.56	0.68	27
	S30KB009	31-24125	SCREENING & CRUSHING PLANTS, CONVEYOR, SIDE FOLDING STACKER, 24" WIDE X 125' LONG, PORTABLE, 250 TPH	15HP	E		$54,377	11.20	2.99	4.42	0.78	0.68	33
	S30KB010	31-3080	SCREENING & CRUSHING PLANTS, CONVEYOR, SIDE FOLDING STACKER, 30" WIDE X 80' LONG, PORTABLE, 500 TPH	20HP	E		$33,370	7.62	1.85	2.74	0.48	0.91	32
	S30KB011	31-30100	SCREENING & CRUSHING PLANTS, CONVEYOR, SIDE FOLDING STACKER, 30" WIDE X 100' LONG, PORTABLE, 550 TPH	25HP	E		$47,780	10.65	2.70	4.02	0.69	1.14	39
	S30KB012	31-30125	SCREENING & CRUSHING PLANTS, CONVEYOR, SIDE FOLDING STACKER, 30" WIDE X 125' LONG, PORTABLE, 500 TPH	25HP	E		$57,737	12.52	3.18	4.70	0.83	1.14	47
	S30KB013	31-3680	SCREENING & CRUSHING PLANTS, CONVEYOR, SIDE FOLDING STACKER, 36" WIDE X 80' LONG, PORTABLE, 750 TPH	25HP	E		$38,586	8.93	2.16	3.19	0.56	1.14	42
	S30KB014	31-36100	SCREENING & CRUSHING PLANTS, CONVEYOR, SIDE FOLDING STACKER, 36" WIDE X 100' LONG, PORTABLE, 750 TPH	30HP	E		$51,577	11.71	2.91	4.34	0.74	1.37	59

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		ENGINE HORSEPOWER - FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
S30			*KOLBERG - PIONEER, INC (continued)*										
	S30KB015	31-36125	SCREENING & CRUSHING PLANTS, CONVEYOR, SIDE FOLDING STACKER, 36" WIDE X 125' LONG, PORTABLE, 750 TPH	40HP	E		$69,840	15.81	3.90	5.77	1.01	1.82	70
	S30KB018	35-24150	SCREENING & CRUSHING PLANTS, CONVEYOR, FIXED HEIGHT STACKER, 24"W X 150' L, PORTABLE, 750 TPH	25HP	E		$85,027	17.62	4.91	7.36	1.23	1.14	39
	S30KB021	35-30150	SCREENING & CRUSHING PLANTS, CONVEYOR, FIXED HEIGHT STACKER, 30"W X 150' LONG, PORTABLE, 1500 TPH	40HP	E		$99,877	21.42	5.78	8.68	1.44	1.82	56
	S30KB024	35-36150	SCREENING & CRUSHING PLANTS, CONVEYOR, FIXED HEIGHT STACKER, 36" WIDE X 150' LONG, PORTABLE, 2000 TPH	60HP	E		$117,020	25.99	6.79	10.20	1.69	2.73	84
	S30KB025	36-24100	SCREENING & CRUSHING PLANTS, CONVEYOR, ADJUSTABLE HEIGHT RADIAL STACKER, 24" WIDE X 100' LONG, PORTABLE, 750 TPH	20HP	E		$60,187	12.62	3.45	5.16	0.87	0.91	52
	S30KB026	36-24125	SCREENING & CRUSHING PLANTS, CONVEYOR, ADJUSTABLE HEIGHT RADIAL STACKER, 24" WIDE X 120' LONG, PORTABLE, 750 TPH	20HP	E		$71,652	14.76	4.12	6.18	1.03	0.91	57
	S30KB027	36-24150	SCREENING & CRUSHING PLANTS, CONVEYOR, ADJUSTABLE HEIGHT RADIAL STACKER, 24" WIDE X 150' LONG, PORTABLE, 750 TPH	25HP	E		$90,673	18.67	5.25	7.87	1.31	1.14	65
	S30KB028	36-30100	SCREENING & CRUSHING PLANTS, CONVEYOR, ADJUSTABLE HEIGHT RADIAL STACKER, 30" WIDE X 100' LONG, PORTABLE, 1500 TPH	30HP	E		$68,464	14.87	3.94	5.89	0.99	1.37	64
	S30KB029	36-30125	SCREENING & CRUSHING PLANTS, CONVEYOR, ADJUSTABLE HEIGHT RADIAL STACKER, 30" WIDE X 120' LONG, PORTABLE, 1500 TPH	30HP	E		$84,251	17.82	4.86	7.29	1.21	1.37	71
	S30KB030	36-30150	SCREENING & CRUSHING PLANTS, CONVEYOR, ADJUSTABLE HEIGHT RADIAL STACKER, 30" WIDE X 150' LONG, PORTABLE, 1500 TPH	40HP	E		$106,823	22.71	6.19	9.30	1.54	1.82	82
	S30KB031	36-36100	SCREENING & CRUSHING PLANTS, CONVEYOR, ADJUSTABLE HEIGHT RADIAL STACKER, 36" WIDE X 100' LONG, PORTABLE, 2000 TPH	50HP	E		$88,987	20.07	5.14	7.72	1.28	2.28	82
	S30KB032	36-36125	SCREENING & CRUSHING PLANTS, CONVEYOR, ADJUSTABLE HEIGHT RADIAL STACKER, 36" WIDE X 120' LONG, PORTABLE, 2,000 TPH	50HP	E		$107,197	23.49	6.21	9.32	1.55	2.28	93
	S30KB033	36-36150	SCREENING & CRUSHING PLANTS, CONVEYOR, ADJUSTABLE HEIGHT RADIAL STACKER, 36" WIDE X 150' LONG, PORTABLE, 2,000 TPH	60HP	E		$125,216	27.52	7.28	10.93	1.81	2.73	110

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
S30			*KOLBERG - PIONEER, INC (continued)*										
	S30KB042	1430-15	SCREENING & CRUSHING PLANTS, SURGE BIN, 25CY, BELT FEEDER, & 30" WIDE X 40' LONG CONVEYOR, PORTABLE, 1500 TPH	25HP	E		$61,110	13.14	3.50	5.24	0.88	1.14	18
	S30KB054	1936-2	SCREENING & CRUSHING PLANTS, SURGE BIN, 25CY, BELT FEEDER, & 30" WIDE X 40' LONG CONVEYOR, PORTABLE, 1500 TPH	15HP	E		$73,040	14.67	4.21	6.31	1.05	0.68	18
	S30KB053	1436-25	SCREENING & CRUSHING PLANTS, SURGE BIN, 25CY, BELT FEEDER, & 36" WIDE X 40' LONG CONVEYOR, PORTABLE, 2000 TPH	35HP	E		$67,179	14.95	3.86	5.77	0.97	1.59	20
	S30KB043	1936-3	SCREENING & CRUSHING PLANTS, SURGE BIN, 25CY, BELT FEEDER, & 36" WIDE X 40' LONG CONVEYOR, PORTABLE, 2000 TPH	15HP	E		$105,547	20.75	6.14	9.23	1.52	0.68	20
	S30KB044	1936-4	SCREENING & CRUSHING PLANTS, SURGE BIN, 25CY, BELT FEEDER, & 36" WIDE X 40' LONG CONVEYOR, PORTABLE, 2000 TPH	15HP	E		$129,642	25.26	7.57	11.40	1.87	0.68	20
			PUTZMEISTER INC.										
	S30PU001	TELEBELT TB 50	SCREENING & CRUSHING PLANTS, CONVEYOR, 16" WIDE X 50' LONG, 1 CY HOPPER & TREMIE, 2X4, TRUCK MTD, 80 CY/HR	215HP	D-off		$210,740	53.88	12.41	18.74	3.04	10.93	201
	S30PU002	TELEBELT TB 80	SCREENING & CRUSHING PLANTS, CONVEYOR, 18" WIDE X 80' LONG, 3 CY HOPPER & TREMIE, 4X6, TRUCK MTD, 360 CY/HR	350HP	D-off		$398,893	98.14	23.51	35.51	5.75	17.79	332
	S30PU003	TELEBELT TB 105	SCREENING & CRUSHING PLANTS, CONVEYOR, 18" WIDE X 105' LONG, 3 CY HOPPER & TREMIE, 4X8, TRUCK MTD, 360 CY/HR	350HP	D-off		$557,323	127.73	32.90	49.72	8.04	17.79	592
			TELSMITH INC.										
	S30TS001	PTC 24IN X 50FT	SCREENING & CRUSHING PLANTS, CONVEYOR, TRUSS FRAME, 24" WIDE X 50' LONG, WHEEL MTD, 300 TPH	12HP	E		$27,323	5.94	1.55	2.32	0.39	0.55	10
	S30TS002	PTC 24IN X 70FT	SCREENING & CRUSHING PLANTS, CONVEYOR, TRUSS FRAME, 24" WIDE X 70' LONG, WHEEL MTD, 300 TPH	17HP	E		$47,665	10.08	2.76	4.13	0.69	0.77	13
	S30TS003	PTC 30IN X 50FT	SCREENING & CRUSHING PLANTS, CONVEYOR, TRUSS FRAME, 30" WIDE X 50' LONG, WHEEL MTD, 500 TPH	17HP	E		$28,651	6.52	1.63	2.43	0.41	0.77	12

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
S30			*TELSMITH INC. (continued)*										
	S30TS004	PTC 30IN X 70FT	SCREENING & CRUSHING PLANTS, CONVEYOR, TRUSS FRAME, 30" WIDE X 70' LONG, WHEEL MTD, 1500 TPH	22HP	E		$49,426	10.76	2.85	4.27	0.71	1.00	17
	S30TS005	PTC 36IN X 50FT	SCREENING & CRUSHING PLANTS, CONVEYOR, TRUSS FRAME, 36" WIDE X 50' LONG, WHEEL MTD, 750 TPH	22HP	E		$30,409	7.21	1.73	2.57	0.44	1.00	19
	S30TS006	PTC 36IN X 70FT	SCREENING & CRUSHING PLANTS, CONVEYOR, TRUSS FRAME, 36" WIDE X 70' LONG, WHEEL MTD, 2000 TPH	27HP	E		$51,468	11.49	2.96	4.43	0.74	1.23	26
	S30TS007	PTC 42IN X 50FT	SCREENING & CRUSHING PLANTS, CONVEYOR, TRUSS FRAME, 42" WIDE X 50' LONG, WHEEL MTD, 1200 TPH	32HP	E		$35,083	8.79	2.00	2.98	0.51	1.46	25
	S30TS008	PTC 42IN X 70FT	SCREENING & CRUSHING PLANTS, CONVEYOR, TRUSS FRAME, 42" WIDE X 70' LONG, WHEEL MTD, 1200 TPH	42HP	E		$70,125	16.01	4.06	6.09	1.01	1.91	25
	SUBCATEGORY 0.20		**CRUSHERS - VERTICAL & HORIZONTAL SHAFT IMPACTOR**										
			HEWITT-ROBINS										
	S30HW001	MODEL 13654V	SCREENING & CRUSHING PLANTS, CRUSHER - SHAFT IMPACTOR, 36"X54", SINGLE ROTOR, 250 TPH, W/3' X 16' FEEDER/ 4' GRIZZLY/ 24" X 8' REJECTION CONVEYOR/ & 36" X 37' DISCHARGE END DELIVERY CONVEYOR, TRAILER MTD (ADD 250 KW GENERATOR)	250HP	E		$278,856	44.78	8.66	9.77	3.77	11.38	804
	S30HW002	MODEL 14866V	SCREENING & CRUSHING PLANTS, CRUSHER - SHAFT IMPACTOR, 48"X66" SINGLE ROTOR, 350 TPH, W/4'X16' FEEDER/ 6' GRIZZLY/ 30" X 9.5' REJECTION CONVEYOR/ & 48" X43' DISCHARGE END DELIVERY CONVEYOR, TRAILER MTD (ADD 350 KW GENERATOR)	350HP	E		$375,587	61.14	11.67	13.19	5.07	15.93	1,280
	S30HW013	MODEL H4832S	SCREENING & CRUSHING PLANTS, CRUSHER - SHAFT IMPACTOR, SECONDARY, 48"X32" HAMMERMILL, 500 TPH, W/3' X 37' FEED CONVEYOR/ 5' X 16' VIBRATORY HORIZONTAL TRIPLE DECK SCREEN/ 36"X30' RETURN CONVEYOR/ & ROTOR LIFT, TRAILER MTD (ADD 450 KW GENERATOR)	450HP	E		$337,462	64.17	10.50	11.88	4.56	20.48	600

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			KOLBERG - PIONEER, INC									
	S30KB045	CS-4250	SCREENING & CRUSHING PLANTS, CRUSHER - SHAFT IMPACTOR, 42" X 52", 500 TPH, W/18' X 42" VIBRATORY FEEDER/ ADJUSTABLE GRIZZLY/ & BYPASS FEED, TRAILER MTD	360 HP D-off		$427,509	65.96	13.35	15.15	5.77	18.30	548
			TELSMITH INC.									
	S30TS009	4246	SCREENING & CRUSHING PLANTS, CRUSHER - SHAFT IMPACTOR, 600 TPH	300 HP E		$238,105	46.61	7.51	8.57	3.22	13.65	595
	S30TS010	4856	SCREENING & CRUSHING PLANTS, CRUSHER - SHAFT IMPACTOR, 1100 TPH	400 HP E		$345,383	64.83	10.88	12.43	4.66	18.20	942
	S30TS011	6071	SCREENING & CRUSHING PLANTS, CRUSHER - SHAFT IMPACTOR, 2100 TPH	800 HP E		$571,007	118.11	17.99	20.56	7.71	36.40	1,950
	SUBCATEGORY 0.21		**CRUSHERS - CONE**									
			KOLBERG - PIONEER, INC									
	S30KB046	1200 LS	SCREENING & CRUSHING PLANTS, CRUSHERS - CONE, SECONDARY, 120 TPH @ 3/8" -> 250 TPH @ 1", 42" X 50" IMPACT CRUSHER, W/HOPPER/ & 36" X 32' END DELIVERY CONVEYOR, TRAILER MTD (ADD 210KW GENERATOR)	272 HP E		$422,294	64.01	13.17	14.94	5.70	12.38	810
	S30KB047	1400 LS	SCREENING & CRUSHING PLANTS, CRUSHERS - CONE, SECONDARY PLANT, 630 TPH @ 1" ->1050 TPH @ 2.5", 42" X 50" IMPACT CRUSHER, W/HOPPER/ & 42" X 32' END DELIVERY CONVEYOR, TRAILER MTD (INCLUDES GENERATOR)	315 HP E		$371,115	61.36	11.60	13.17	5.01	14.33	741
	SUBCATEGORY 0.22		**CRUSHERS - JAW**									
			HEWITT-ROBINS									
	S30HW005	MODEL J1524PF	SCREENING & CRUSHING PLANTS, JAW CRUSHER, 15"X24", 21 TPH @ 1" -> 54 TPH @ 3", W/2.5' X 8' FEEDER/ 2' GRIZZLY/ & 24" X 20' END DELIVERY CONVEYOR, TRAILER MTD (ADD 40 KW GENERATOR)	40 HP E		$151,106	15.34	4.68	5.27	2.04	1.82	86

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
S30			*HEWITT-ROBINS (continued)*										
	S30HW006	MODEL J1536V	SCREENING & CRUSHING PLANTS, JAW CRUSHER, 15"X36", 45 TPH @1.5" -> 150 TPH @ 6", W/3' X 14' FEEDER/ 4' GRIZZLY/ & 30" X 31' END DELIVERY CONVEYOR, TRAILER MTD (ADD 40 KW GENERATOR)	100HP	E		$251,699	27.53	7.84	8.88	3.40	4.55	128
	S30HW007	MODEL J2036V	SCREENING & CRUSHING PLANTS, JAW CRUSHER, 20" X 36", 65 TPH @ 2" -> 223 TPH @ 7", W/3' X 14' FEEDER/ 4' GRIZZLY/ & 30" X 31' END DELIVERY CONVEYOR, TRAILER MTD (ADD 40 KW GENERATOR)	125HP	E		$273,641	31.01	8.54	9.67	3.70	5.69	128
	S30HW009	MODEL J2142V	SCREENING & CRUSHING PLANTS, JAW CRUSHER, 21" X 42", 183 TPH @ 4" -> 345 TPH @ 8", W/3.5' X 16' FEEDER/ 4' GRIZZLY/ & 36" X 34' END DELIVERY CONVEYOR, TRAILER MTD (ADD 40 KW GENERATOR)	150HP	E		$296,362	34.79	9.20	10.40	4.00	6.83	152
	S30HW011	MODEL J2248V	SCREENING & CRUSHING PLANTS, JAW CRUSHER, 22" X 48", 115 TPH @ 2.5" -> 240 TPH @ 6", W/4' X 16' FEEDER/ 4' GRIZZLY/ & 48" X 37' END DELIVERY CONVEYOR (ADD 40 KW GENERATOR)	200HP	E		$354,220	42.98	11.01	12.45	4.78	9.10	168
	S30HW008	MODEL J2436V	SCREENING & CRUSHING PLANTS, JAW CRUSHER, 24" X 36", 95 TPH @ 2.5" -> 230 TPH @ 6", W/3' X 14' FEEDER/ 4' GRIZZLY/ & 30" X 31' END DELIVERY CONVEYOR, TRAILER MTD (ADD 40 KW GENERATOR)	125HP	E		$285,957	31.99	8.92	10.12	3.86	5.69	128
	S30HW010	MODEL J3042V	SCREENING & CRUSHING PLANTS, JAW CRUSHER, 30" X 42", 200 TPH @ 4" -> 390 TPH @ 8", W/3.5' X 16' FEEDER/ 6' GRIZZLY/ & 36" X 55' END DELIVERY CONVEYOR, TRAILER MTD (ADD 40 KW GENERATOR)	200HP	E		$361,445	43.47	11.25	12.73	4.88	9.10	156
	S30HW012	MODEL J3048V	SCREENING & CRUSHING PLANTS, JAW CRUSHER, 30" X 48", 340 TPH @ 5" -> 615 TPH @ 10", W/4' X 16' FEEDER/ 4' GRIZZLY/ & 48" X 37' END DELIVERY CONVEYOR, TRAILER MTD (ADD 40 KW GENERATOR)	200HP	E		$418,979	48.24	13.04	14.75	5.66	9.10	168

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			KOLBERG - PIONEER, INC										
	S30KB055	CS-1536	SCREENING & CRUSHING PLANTS, JAW CRUSHER, 15" X 36", 45 TPH @ 1.5" -> 150 TPH @ 6", W/36"' X 14' VIBRATING FEEDER/ ADJUSTABLE GRIZZLY & BYPASS/ HOPPER/ & 36" X 22' END DELIVERY CONVEYOR, TRAILER MTD, INCLUDES GENERATOR	245HP	D-off		$276,566	39.08	8.63	9.78	3.74	12.46	548
	S30KB058	1524-2416 DUPLEX PL	SCREENING & CRUSHING PLANTS, JAW CRUSHER, 15" X 36", 200 TPH @ 1/4" -> 250 TPH @ 6", W/36" X 14' VIBRATING FEEDER/ ADJUSTABLE GRIZZLY & BYPASS/ HOPPER/ SCREEN CONVEYOR/ & TRIPLE VIBRATORY SCREENS, TRAILER MTD	130HP	E		$296,012	33.02	9.27	10.53	4.00	5.92	391
	S30KB056	CS-2036	SCREENING & CRUSHING PLANTS, JAW CRUSHER, 20" X 36", 65 TPH @ 2" -> 223 TPH @ 7", W/36"' X 14' VIBRATING FEEDER/ ADJUSTABLE GRIZZLY & BYPASS/ HOPPER/ & 36" X 22' END DELIVERY CONVEYOR, TRAILER MTD, INCLUDES GENERATOR	245HP	D-off		$283,442	39.63	8.85	10.03	3.83	12.46	590
	S30KB059	2036-3024 DUPLEX PL	SCREENING & CRUSHING PLANTS, JAW CRUSHER, 20" X 36", 270 TPH @ 1/4" -> 320 TPH @ 7", W/36" X 14' RECIPROCATING PLATE FEEDER/ 12' LONG ADJUSTABLE GRIZZLY & BYPASS/ HOPPER/ & 18" X 15' SCREEN CONVEYOR, TRAILER MTD (ADD 300KW GENERATOR)	300HP	E		$466,159	58.55	14.59	16.57	6.30	13.65	415
	S30KB057	CS-2436	SCREENING & CRUSHING PLANTS, JAW CRUSHER, 24" X 36", 95 TPH @ 2.5" -> 230 TPH @ 6", W/36"' X 16' VIBRATING FEEDER/ ADJUSTABLE GRIZZLY & BYPASS/ HOPPER/ & 36" X 22' END DELIVERY CONVEYOR, TRAILER MTD, INCLUDES GENERATOR	245HP	D-off		$315,851	42.22	9.87	11.19	4.27	12.46	701

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.30		**SCREENING PLANT**										
			HEWITT-ROBINS										
	S30HW014	V-11 6X16FT, DD	SCREENING & CRUSHING PLANTS, SCREENING PLANT, 6' X 16' VIBRATORY SLOPE DOUBLE DECK SCREENS, W/36" X 16.5' UNDER SCREEN CONVEYOR/ 7 CY HOPPER/ & FEEDER, TRAILER MTD	15HP	E		$109,332	22.71	6.38	9.59	1.58	0.68	101
	S30HW016	V-11 6X20FT, DD	SCREENING & CRUSHING PLANTS, SCREENING PLANT, 6' X 20' VIBRATORY SLOPE DOUBLE DECK SCREENS, W/36" X 16.5' UNDER SCREEN CONVEYOR/ 7 CY HOPPER/ & FEEDER, TRAILER MTD	20HP	E		$113,593	23.90	6.63	9.98	1.64	0.91	115
	S30HW015	V-11 6X16FT, TD	SCREENING & CRUSHING PLANTS, SCREENING PLANT, 6' X 16' VIBRATORY SLOPE TRIPLE DECK SCREENS W/36" X 16.5' UNDER SCREEN CONVEYOR/ 7 CY HOPPER/ & FEEDER, TRAILER MTD	25HP	E		$119,807	25.48	7.00	10.54	1.73	1.14	138
	S30HW017	V-11 6X20FT, TD	SCREENING & CRUSHING PLANTS, SCREENING PLANT, 6' X 20' VIBRATORY SLOPE TRIPLE DECK SCREENS W/36" X 16.5' UNDER SCREEN CONVEYOR/ 7 CY HOPPER/ & FEEDER, TRAILER MTD,	25HP	E		$121,616	25.83	7.10	10.70	1.75	1.14	167
	S30HW018	V-11 8X20FT, TD	SCREENING & CRUSHING PLANTS, SCREENING PLANT, 8' X 20' VIBRATORY SLOPE TRIPLE DECK SCREENS, W/48" X 15.5' UNDER SCREEN CONVEYOR/ 7 CY HOPPER/ & FEEDER, TRAILER MTD	40HP	E		$144,636	31.44	8.35	12.52	2.09	1.82	243
			KOLBERG - PIONEER, INC										
	S30KB048	616 E-3	SCREENING & CRUSHING PLANTS, SCREENING PLANT, 6' X 16', VIBRATORY SLOPE TRIPLE DECK SCREENS, W/HOPPER/ 36" X 28.5' FEEDER CONVEYOR/ 48" X27' UNDER SCREEN CONVEYOR/ & 24" X 20' SIDE DELIVERY CONVEYOR, TRAILER MTD	85HP	E		$121,580	29.97	7.07	10.64	1.75	3.87	280

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
S30			*KOLBERG - PIONEER, INC (continued)*										
	S30KB049	620 E-3	SCREENING & CRUSHING PLANTS, SCREENING PLANT, 6' X 20' VIBRATORY SLOPE TRIPLE DECK SCREENS, W/HOPPER/ 42" X 34' FEEDER CONVEYOR/ 60" X 25' UNDER SCREEN CONVEYOR/ & 30" X 15' SIDE DELIVERY CONVEYOR, TRAILER MTD	90 HP	E		$143,185	34.66	7.94	11.75	2.06	4.10	355
	S30KB050	1822	SCREENING & CRUSHING PLANTS, WASHING/SCREENING PLANT, 6' X 16' VIBRATORY SLOPE TRIPLE DECK SCREENS, W/HOPPER / 3 PRODUCT CHUTES/ ONE FINES CHUTE TO 8' X 32' CLASSIFYING TANK/ 36" DIA X 32' SLOPED SCREW & CHUTE, TRAILER MTD (ADD WATER & FEEDER)	250 HP	E		$189,807	54.82	11.08	16.68	2.74	11.38	416
	S30KB051	1830	SCREENING & CRUSHING PLANTS, WASHING/SCREENING PLANT, 6' X 20' VIBRATORY SLOPED TRIPLE DECK SCREENS, W/HOPPER/ 3 PRODUCT CHUTES/ ONE FINES CHUTE/ 8' X 32' CLASSIFYING TANK/ & 44" DIA X 32' SLOPED SCREW & CHUTE, TRAILER MTD (ADD WATER & FEEDER)	250 HP	E		$241,778	65.12	14.07	21.16	3.49	11.38	420
	S30KB052	7208-32 S/P	SCREENING & CRUSHING PLANTS, CLASSIFYING PLANT (SAND SORT) 8'W X 32'L TANK & 44" DIA SCREW	250 HP	E		$228,615	62.55	13.49	20.38	3.30	11.38	450
			METSO MINERALS										
	S30RA002	CV 50D	SCREENING & CRUSHING PLANTS, GRIZZLY-SINGLE SCREEN, 120 CY/HR, TRAILER MTD	25 HP	D-off		$51,758	11.94	3.03	4.55	0.75	1.27	130
	S30RA003	CV 90D	SCREENING & CRUSHING PLANTS, GRIZZLY-SINGLE SCREEN, 200 CY/HR, TRAILER MTD	49 HP	D-off		$96,929	22.50	5.66	8.51	1.40	2.49	195
S35	**SNOW REMOVAL EQUIPMENT**												
	SUBCATEGORY 0.00		**SNOW REMOVAL EQUIPMENT**										
			AMERICAN ROAD MACHINERY, INC.										
	S35AR001	112	SNOW REMOVAL EQUIPMENT, SNOW PLOW, REVERSIBLE (ADD DUMP TRUCK)				$2,678	0.62	0.18	0.27	0.04	0.00	15

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
S35			*AMERICAN ROAD MACHINERY, INC. (continued)*										
	S35AR002	713	SNOW REMOVAL EQUIPMENT, SNOW PLOW, 1-WAY TRIP (ADD DUMP TRUCK)				$4,084	0.95	0.27	0.41	0.06	0.00	20
S40	**SOIL & ROAD STABILIZERS**												
	SUBCATEGORY 0.00		**SOIL & ROAD STABILIZERS**										
			COMPACTION AMERICA										
	S40BO002	MPH-362 RECYCLER	SOIL & ROAD STABILIZER, 12" DEEP X 79" WIDE, HYDROSTATIC RECLAIMER/ SOIL STABILIZER, 4X2	360 HP	D-off		$371,317	98.62	20.47	29.47	5.73	20.07	390
	S40BO003	MPH-362 STABILIZER	SOIL & ROAD STABILIZER, 14" DEEP X 79" WIDE, HYDROSTATIC RECLAIMER/ SOIL STABILIZER, 4X2	360 HP	D-off		$366,839	97.75	20.22	29.11	5.66	20.07	390
	S40BO004	MPH-362 S-DM	SOIL & ROAD STABILIZER, 21" DEEP X 79" WIDE, HYDROSTATIC RECLAIMER/ SOIL STABILIZER, 4X2	360 HP	D-off		$324,415	89.56	17.87	25.72	5.01	20.07	390
			CATERPILLAR INC. (MACHINE DIVISION)										
	S40CA001	RR-250B	SOIL & ROAD STABILIZER, 12" DEEP X 96" WIDE, HYDROSTATIC RECLAIMER/ SOIL STABILIZER, 4X2	309 HP	D-off		$316,776	84.91	17.38	24.98	4.89	17.23	370
	S40CA002	SS-250B	SOIL & ROAD STABILIZER, 18" DEEP X 96" WIDE, HYDROSTATIC RECLAIMER/ SOIL STABILIZER, 4X2	309 HP	D-off		$304,273	81.80	16.72	24.05	4.69	17.23	308
S45	**SPLITTERS, ROCK & CONCRETE**												
	SUBCATEGORY 0.00		**SPLITTERS, ROCK & CONCRETE**										
			ELCO INTERNATIONAL INC.										
	S45DA004	02-2	SPLITTER, ROCK & CONCRETE, 220 TON SFORCE, 1-3/4" DIA, SIZE 2, 5 GAL, 12" DEEP HOLE REQ'D (ADD 80 CFM COMPRESSOR)	80 CFM	A		$11,721	4.30	0.97	1.56	0.19	0.00	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
S45			*ELCO INTERNATIONAL INC. (continued)*									
	S45DA005	02-9	SPLITTER, ROCK & CONCRETE, 220 TON SFORCE, 1-3/4" DIA, SIZE 9, 5 GAL, 18" DEEP HOLE REQ'D (ADD 80 CFM COMPRESSOR)	80CFM A		$14,985	5.43	1.24	2.00	0.24	0.00	1
	S45DA007	02-12	SPLITTER, ROCK & CONCRETE, 385 TON SFORCE, 1-3/4" DIA, SIZE 12, 5 GAL, 26" DEEP HOLE REQ'D (ADD 80 CFM COMPRESSOR)	80CFM A		$15,613	5.65	1.30	2.08	0.26	0.00	1
T10	TRACTOR BLADES & ATTACHMENTS											
	SUBCATEGORY 0.00		**TRACTOR BLADES & ATTACHMENTS**									
			CATERPILLAR INC. (MACHINE DIVISION)									
	T10CA001	D3-61-9722	TRACTOR ATTACHMENTS, BLADE, POWER ANGLE, HYDRAULIC, FOR D3, 1.65 CY (ADD D3 TRACTOR)			$11,513	2.24	0.64	0.92	0.18	0.00	22
	T10CA002	D3-PA 30B	TRACTOR ATTACHMENTS, POWER WINCH, W/250' CABLE, FOR D3 (ADD D3 TRACTOR)			$17,416	3.35	0.97	1.39	0.27	0.00	21
	T10CA004	D4-104-5683	TRACTOR ATTACHMENTS, BLADE, POWER ANGLE, HYDRAULIC, FOR D4, 2.17 CY (ADD D4 TRACTOR)			$12,748	2.48	0.71	1.02	0.20	0.00	24
	T10CA005	D4-PA 30B	TRACTOR ATTACHMENTS, POWER WINCH, W/250' CABLE, FOR D4 (ADD D4 TRACTOR)			$17,416	3.35	0.97	1.39	0.27	0.00	21
	T10CA007	D5 N - ANGLE BLADE	TRACTOR ATTACHMENTS, BLADE, POWER ANGLE, HYDRAULIC, FOR D5, 2.53 CY (ADD D5 TRACTOR)			$19,424	3.73	1.08	1.55	0.30	0.00	26
	T10CA008	D5-PA 55	TRACTOR ATTACHMENTS, POWER WINCH, FOR D5 (ADD D5 TRACTOR)			$26,066	4.98	1.45	2.09	0.40	0.00	26
	T10CA009	D6-108-3970	TRACTOR ATTACHMENTS, BLADE, STRAIGHT, HYDRAULIC, FOR D6, 5.09 CY (ADD D6 TRACTOR)			$23,393	4.47	1.30	1.87	0.36	0.00	57
	T10CA010	D6-108-3982	TRACTOR ATTACHMENTS, BLADE, POWER ANGLE, HYDRAULIC, FOR D6, 4.16 CY (ADD D6 TRACTOR)			$25,500	4.87	1.41	2.04	0.39	0.00	69
	T10CA011	D6-PA56 WINCH	TRACTOR ATTACHMENTS, POWER WINCH, W/CABLE, FOR D6 (ADD D6 TRACTOR)			$36,415	6.92	2.02	2.91	0.56	0.00	27

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
T10			*CATERPILLAR INC. (MACHINE DIVISION) (continued)*									
	T10CA012	D7-S	TRACTOR ATTACHMENTS, BLADE, STRAIGHT, HYDRAULIC, FOR D7, 6.75 CY (ADD D7 TRACTOR)			$34,541	6.57	1.91	2.76	0.53	0.00	77
	T10CA013	D7-U	TRACTOR ATTACHMENTS, BLADE, UNIVERSAL, HYDRAULIC, FOR D7, 10.09 CY (ADD D7 TRACTOR)			$37,913	7.20	2.10	3.03	0.58	0.00	86
	T10CA014	D7-A	TRACTOR ATTACHMENTS, BLADE, POWER ANGLE, HYDRAULIC, FOR D7, 5.08 CY (ADD D7 TRACTOR)			$31,462	6.00	1.75	2.52	0.49	0.00	78
	T10CA015	D7-PA57 WINCH	TRACTOR ATTACHMENTS, POWER WINCH, W/CABLE, FOR D7 (ADD D7 TRACTOR)			$47,756	9.08	2.65	3.82	0.74	0.00	45
	T10CA016	D8-SU	TRACTOR ATTACHMENTS, BLADE, STRAIGHT, HYDRAULIC, FOR D8, 6.09 CY (ADD D8 TRACTOR)			$45,953	8.76	2.55	3.68	0.71	0.00	107
	T10CA017	D8-U	TRACTOR ATTACHMENTS, BLADE, UNIVERSAL, HYDRAULIC, FOR D8, 15.30 CY (ADD D8 TRACTOR)			$49,775	9.48	2.76	3.98	0.77	0.00	124
	T10CA018	D8-A	TRACTOR ATTACHMENTS, BLADE, POWER ANGLE, HYDRAULIC, FOR D8, 6.09 CY (ADD D8 TRACTOR)			$43,869	8.38	2.44	3.51	0.68	0.00	123
	T10CA019	D8-PP	TRACTOR ATTACHMENTS, BLADE, PUSH PLATE, FOR D8 (ADD D8 TRACTOR)			$1,243	0.28	0.07	0.10	0.02	0.00	5
	T10CA020	D8, PA58VS WINCH	TRACTOR ATTACHMENTS, POWER WINCH, W/CABLE, FOR D8 (ADD D8 TRACTOR)			$47,531	9.08	2.63	3.80	0.73	0.00	50
	T10CA021	D9-SU	TRACTOR ATTACHMENTS, BLADE, SEMI-U, HYDRAULIC, FOR D9, 17.70 CY (ADD D9 TRACTOR)			$62,462	11.93	3.46	5.00	0.96	0.00	143
	T10CA022	D9-U	TRACTOR ATTACHMENTS, BLADE, UNIVERSAL, HYDRAULIC, FOR D9, 21.40 CY (ADD D9 TRACTOR)			$67,957	12.97	3.77	5.44	1.05	0.00	137
	T10CA023	D9, PA59VS WINCH	TRACTOR ATTACHMENTS, POWER WINCH, W/CABLE, FOR D9 (ADD D9 TRACTOR)			$63,680	12.16	3.53	5.09	0.98	0.00	86
	T10CA024	D10-SU ABRASION	TRACTOR ATTACHMENTS, BLADE, SEMI-U, HYDRAULIC, FOR D10, 24.20 CY (ADD D10 TRACTOR)			$92,593	17.68	5.14	7.41	1.43	0.00	357
	T10CA025	D10-U ABRASION	TRACTOR ATTACHMENTS, BLADE, UNIVERSAL, HYDRAULIC, FOR D10, 28.70 CY (ADD D10 TRACTOR)			$99,120	18.92	5.50	7.93	1.53	0.00	251

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
T10			*CATERPILLAR INC. (MACHINE DIVISION) (continued)*									
	T10CA026	D11-SU	TRACTOR ATTACHMENTS, BLADE, STRAIGHT, HYDRAULIC, FOR D11, 35.50 CY (ADD D11 TRACTOR)			$135,754	25.91	7.52	10.86	2.09	0.00	367
	T10CA027	D11-U	TRACTOR ATTACHMENTS, BLADE, UNIVERSAL, HYDRAULIC, FOR D11, 45.00 CY (ADD D11 TRACTOR)			$146,907	28.03	8.15	11.75	2.27	0.00	423
			DEERE & COMPANY									
	T10JD001	915 V-RIPPER	TRACTOR ATTACHMENTS, DEEP TILLER, 5x7 V SHAPED, 175" WIDE, 7 SHANKS (ADD 200HP TRACTOR W/PTO)			$10,120	2.17	0.56	0.79	0.16	0.00	17
T15	TRACTORS, CRAWLER (DOZER) (includes blade)											
	SUBCATEGORY 0.01		**0 THRU 225 HP**									
			CATERPILLAR INC. (MACHINE DIVISION)									
	T15CA002	D-3G LGP	TRACTOR, CRAWLER (DOZER), 70 HP, LOW GROUND PRESSURE, W/2.0 CY SEMI-U BLADE (ADD ATTACHMENTS)	70HP D-off		$79,898	22.55	4.11	5.59	1.31	3.90	175
	T15CA020	D-4G XL	TRACTOR, CRAWLER (DOZER), 80 HP, POWERSHIFT, W/2.18 CY SEMI-U BLADE (ADD ATTACHMENTS)	80HP D-off		$101,264	27.91	5.21	7.09	1.66	4.46	181
	T15CA005	D-4G LGP	TRACTOR, CRAWLER (DOZER), 80 HP, LOW GROUND PRESSURE, W/2.39 CY SEMI-U BLADE (ADD ATTACHMENTS)	80HP D-off		$99,130	27.46	5.10	6.94	1.63	4.46	184
	T15CA021	D-5G XL	TRACTOR, CRAWLER (DOZER), 90 HP, POWERSHIFT, W/2.85 CY POWER ANGLE BLADE (ADD ATTACHMENTS)	90HP D-off		$104,727	29.44	5.39	7.33	1.72	5.02	195
	T15CA022	D-5G LGP	TRACTOR, CRAWLER (DOZER), 90 HP, LOW GROUND PRESSURE, W/3.04 CY POWER ANGLE BLADE (ADD ATTACHMENTS)	90HP D-off		$110,928	30.76	5.70	7.76	1.82	5.02	203
	T15CA024	D-5M XL	TRACTOR, CRAWLER (DOZER), 110 HP, POWERSHIFT, W/3.37 CY SEMI-U BLADE (ADD ATTACHMENTS)	110HP D-off		$141,858	38.94	7.30	9.93	2.33	6.13	277
	T15CA008	D-6N PS XL FTC	TRACTOR, CRAWLER (DOZER), 145 HP, POWERSHIFT, W/5.60 CY SEMI-U BLADE (ADD ATTACHMENTS)	145HP D-off		$199,475	54.01	10.26	13.96	3.28	8.09	321

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
T15			*CATERPILLAR INC. (MACHINE DIVISION) (continued)*									
	T15CA023	D-6R	TRACTOR, CRAWLER (DOZER), 165 HP, LOW GROUND PRESSURE, POWERSHIFT, W/5.09 CY SEMI-U BLADE (ADD ATTACHMENTS)	165HP D-off		$288,690	74.64	14.86	20.21	4.75	9.20	519
	T15CA009	D-6R WHA	TRACTOR, CRAWLER (DOZER), 165 HP, W/14.3 CY BLADE, TRASH/WASTE HANDLING ARRANGEMENT	165HP D-off		$288,690	74.64	14.86	20.21	4.75	9.20	519
	T15CA011	D-6R LGP	TRACTOR, CRAWLER (DOZER), 165 HP, LOW GROUND PRESSURE, W/5.09 CY SEMI-U BLADE (ADD ATTACHMENTS)	185HP D-off		$278,764	74.09	14.34	19.51	4.58	10.32	461
			CASE CORPORATION									
	T15CS004	550H WT	TRACTOR, CRAWLER (DOZER), 67 HP, POWERSHIFT, W/1.90 CY UNIVERSAL BLADE (ADD ATTACHMENTS)	67HP D-off		$91,158	24.75	4.69	6.38	1.50	3.74	146
	T15CS005	650H WT	TRACTOR, CRAWLER (DOZER), 75 HP, POWERSHIFT, W/2.50 CY UNIVERSAL BLADE (ADD ATTACHMENTS)	75HP D-off		$94,176	26.01	4.85	6.59	1.55	4.18	168
	T15CS006	850H WT	TRACTOR, CRAWLER (DOZER), 91 HP, POWERSHIFT, W/2.60 CY UNIVERSAL BLADE (ADD ATTACHMENTS)	91HP D-off		$116,745	32.08	6.01	8.17	1.92	5.07	187
	T15CS007	1150H WT	TRACTOR, CRAWLER (DOZER), 119 HP, POWERSHIFT, W/3.90 CY UNIVERSAL BLADE (ADD ATTACHMENTS)	119HP D-off		$159,319	43.39	8.20	11.15	2.62	6.64	264
			DEERE & COMPANY									
	T15JD005	450H LT	TRACTOR, CRAWLER (DOZER), 70 HP, POWERSHIFT, W/2.00 CY ANGLE BLADE (ADD ATTACHMENTS)	70HP D-off		$71,951	20.86	3.70	5.04	1.18	3.90	155
	T15JD006	450H LGP	TRACTOR, CRAWLER (DOZER), 74 HP, LOW GROUND PRESSURE, W/2.15 CY ANGLE BLADE (ADD ATTACHMENTS)	74HP D-off		$85,816	24.16	4.42	6.01	1.41	4.13	165
	T15JD007	650H	TRACTOR, CRAWLER (DOZER), 90 HP, POWERSHIFT, W/2.60 CY ANGLE BLADE (ADD ATTACHMENTS)	90HP D-off		$98,656	28.15	5.08	6.91	1.62	5.02	185
	T15JD008	750C-II LT	TRACTOR, CRAWLER (DOZER), 140 HP, POWERSHIFT, W/5.60 CY ANGLE BLADE (ADD ATTACHMENTS)	140HP D-off		$175,527	48.51	9.04	12.29	2.89	7.81	317

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		ENGINE HORSEPOWER - FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
T15			*DEERE & COMPANY (continued)*										
	T15JD009	750C-II LGP	TRACTOR, CRAWLER (DOZER), 140 HP, LOW GROUND PRESSURE, W/4.84 CY ANGLE BLADE (ADD ATTACHMENTS)	140 HP	D-off		$184,405	50.40	9.49	12.91	3.03	7.81	365
	T15JD010	850C	TRACTOR, CRAWLER (DOZER), 185 HP, POWERSHIFT, W/7.44 CY SEMI-U BLADE (ADD ATTACHMENTS)	185 HP	D-off		$229,734	63.62	11.82	16.08	3.78	10.32	404
	T15JD011	850C LGP	TRACTOR, CRAWLER (DOZER), 185 HP, LOW GROUND PRESSURE, W/7.14 CY SEMI-U BLADE (ADD ATTACHMENTS)	185 HP	D-off		$248,818	67.70	12.80	17.42	4.09	10.32	420
			Komatsu America International Company										
	T15KM001	D31E-20	TRACTOR, CRAWLER (DOZER), 70 HP, HYDROSHIFT, W/1.65 CY POWER ANGLE BLADE	70 HP	D-off		$89,155	24.54	4.59	6.24	1.47	3.90	123
	T15KM002	D37E-5	TRACTOR, CRAWLER (DOZER), 75 HP, HYDROSHIFT, W/1.95 CY POWER ANGLE BLADE	75 HP	D-off		$97,742	26.77	5.03	6.84	1.61	4.18	149
	T15KM003	D58E-1B	TRACTOR, CRAWLER (DOZER), 130 HP, HYDROSHIFT, W/3.70 CY POWER ANGLE BLADE	130 HP	D-off		$176,087	47.83	9.06	12.33	2.89	7.25	328
	T15KM013	D65EX-12	TRACTOR, CRAWLER (DOZER), 190 HP, POWERSHIFT, W/5.09 CY STRAIGHT TILL BLADE	190 HP	D-off		$255,309	69.47	13.14	17.87	4.20	10.59	410
	T15KM007	D85E-21	TRACTOR, CRAWLER (DOZER), 225 HP, POWERSHIFT, W/6.80 CY STRAIGHT TILL BLADE	225 HP	D-off		$334,726	89.19	17.22	23.43	5.50	12.55	624
	SUBCATEGORY 0.02		**226 HP THRU 425 HP**										
			CATERPILLAR INC. (MACHINE DIVISION)										
	T15CA012	D-7R SERIES II	TRACTOR, CRAWLER (DOZER), 240 HP, POWERSHIFT, W/8.98 CY SEMI-U BLADE (ADD ATTACHMENTS)	240 HP	D-off		$334,885	80.16	15.30	20.09	5.25	13.38	563
	T15CA014	D-7R II LGP	TRACTOR, CRAWLER (DOZER), 240 HP, LOW GROUND PRESSURE, W/7.70 CY STRAIGHT BLADE (ADD ATTACHMENTS)	240 HP	D-off		$397,406	91.83	18.15	23.84	6.23	13.38	530
	T15CA016	D-8R II	TRACTOR, CRAWLER (DOZER), 310 HP, POWERSHIFT, W/15.3 CY SEMI-U BLADE (ADD ATTACHMENTS)	310 HP	D-off		$438,422	104.65	20.04	26.31	6.88	17.29	898

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
T15			*CATERPILLAR INC. (MACHINE DIVISION) (continued)*									
	T15CA017	D-9R	TRACTOR, CRAWLER (DOZER), 410 HP, POWERSHIFT, W/17.7 CY SEMI-U BLADE (ADD ATTACHMENTS)	410 HP D-off		$583,563	139.08	26.66	35.01	9.15	22.86	1,033
			Komatsu America International Company									
	T15KM008	D155AX-5	TRACTOR, CRAWLER (DOZER), 310 HP, POWERSHIFT, W/11.5 CY SEMI-U BLADE	310 HP D-off		$412,139	99.74	18.84	24.73	6.47	17.29	864
	T15KM012	D275A-2	TRACTOR, CRAWLER (DOZER), 405 HP, POWERSHIFT, W/16.7 CY SEMI-U BLADE	405 HP D-off		$614,751	144.55	28.09	36.89	9.64	22.58	1,118
	SUBCATEGORY 0.03		**OVER 425 HP**									
			CATERPILLAR INC. (MACHINE DIVISION)									
	T15CA018	D-10R	TRACTOR, CRAWLER (DOZER), 580 HP, POWERSHIFT, W/28.7 CY SEMI-U BLADE (ADD ATTACHMENTS)	580 HP D-off		$829,103	168.44	34.53	44.22	12.42	27.58	1,421
	T15CA019	D-11R	TRACTOR, CRAWLER (DOZER), 850 HP, POWERSHIFT, W/44.0 CY SEMI-U BLADE (ADD ATTACHMENTS)	850 HP D-off		$1,287,861	258.58	53.65	68.69	19.30	40.43	2,029
			Komatsu America International Company									
	T15KM014	D375A-2	TRACTOR, CRAWLER (DOZER), 525 HP, POWERSHIFT, W/24.2 CY SEMI-U BLADE	525 HP D-off		$863,763	170.70	35.98	46.07	12.94	24.97	1,472
	T15KM011	D475A-2	TRACTOR, CRAWLER (DOZER), 860 HP, POWERSHIFT, W/33.5 CY SEMI-U BLADE	860 HP D-off		$1,435,103	282.85	59.77	76.54	21.50	40.90	2,285
T20	TRACTORS, WHEEL TYPE (DOZER)											
	SUBCATEGORY 0.00		**TRACTORS, WHEEL TYPE (DOZER)**									
			CATERPILLAR INC. (MACHINE DIVISION)									
	T20CA001	814-F	TRACTOR, WHEEL (DOZER), 240 HP, ARTICULATING, 4X4, W/3.77 CY STRAIGHT BLADE	240 HP D-off		$296,174	54.52	13.09	17.57	4.30	11.41	479

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		ENGINE HORSEPOWER - FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
T20			*CATERPILLAR INC. (MACHINE DIVISION) (continued)*										
	T20CA002	824-G II	TRACTOR, WHEEL (DOZER), 339 HP, ARTICULATING, 4X4, W/6.70 CY STRAIGHT BLADE	339 HP	D-off		$434,708	80.63	19.08	25.54	6.31	16.12	633
	T20CA003	834-G	TRACTOR, WHEEL (DOZER), 481 HP, ARTICULATING, 4X4, W/10.33 CY STRAIGHT BLADE	481 HP	D-off		$651,992	116.39	28.51	38.09	9.46	22.88	902
T25	TRACTORS, AGRICULTURAL												
	SUBCATEGORY 0.10		**CRAWLER**										
			CATERPILLAR INC. (MACHINE DIVISION)										
	T25CA006	CH 65E	TRACTOR, AGRICULTURAL, CRAWLER-RUBBER TRACK, 267 HP, 3 POINT HITCH	267 HP	D-off		$170,422	51.79	9.80	14.49	2.55	13.57	331
	T25CA007	CH 75E	TRACTOR, AGRICULTURAL, CRAWLER-RUBBER TRACK, 292 HP, 3 POINT HITCH	292 HP	D-off		$187,189	56.81	10.76	15.91	2.80	14.85	341
	T25CA008	CH 85E	TRACTOR, AGRICULTURAL, CRAWLER-RUBBER TRACK, 353 HP, 3 POINT HITCH	353 HP	D-off		$202,946	64.02	11.66	17.25	3.03	17.95	350
	SUBCATEGORY 0.20		**WHEEL**										
			DEERE & COMPANY										
	T25JD008	7320	TRACTOR, AGRICULTURAL, WHEEL, 105 HP, 4X4, PTO, 3 POINT HITCH	105 HP	D-off		$68,810	22.49	4.63	7.15	1.05	5.34	115
	T25JD009	7720	TRACTOR, AGRICULTURAL, WHEEL, 140 HP, 4X4, PTO, 3 POINT HITCH	140 HP	D-off		$90,801	29.74	6.13	9.48	1.39	7.12	155
	T25JD010	8120	TRACTOR, AGRICULTURAL, WHEEL, 170 HP, 4X4, PTO, 3 POINT HITCH	170 HP	D-off		$111,392	36.42	7.44	11.47	1.70	8.64	208
	T25JD014	8320	TRACTOR, AGRICULTURAL, WHEEL, 215 HP, PTO, 3 POINT HITCH	215 HP	D-off		$131,256	43.87	8.80	13.58	2.01	10.93	211
	T25JD012	9220	TRACTOR, AGRICULTURAL, WHEEL, 325 HP, 4X4, PTO, 3 POINT HITCH	325 HP	D-off		$150,050	55.60	9.71	14.84	2.29	16.52	329
	T25JD013	9420	TRACTOR, AGRICULTURAL, WHEEL, 425 HP, 4X4, PTO, 3 POINT HITCH	425 HP	D-off		$195,212	72.40	12.80	19.64	2.98	21.61	349

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
T30	TRENCHERS, CHAIN TYPE CUTTER												
	SUBCATEGORY 0.00		**TRENCHERS, CHAIN TYPE CUTTER**										
			CASE CORPORATION										
	T30CS003	MAXI SNEAKER C	TRENCHER, CABLE-PLOW TYPE CUTTER, 36" DEEP X 6" WIDE, 4X4	34HP	D-off		$26,071	7.53	1.69	2.56	0.41	1.73	26
	T30CS004	360	TRENCHER, CHAIN TYPE CUTTER, 48" DEEP X 6" WIDE, 4X4 (W/BACKHOE & BLADE)	30HP	D-off		$35,110	9.13	2.23	3.36	0.55	1.53	42
	T30CS005	460	TRENCHER, CHAIN TYPE CUTTER, 48" DEEP X 6" WIDE, 4X4 (W/BACKHOE & BLADE)	33HP	D-off		$40,356	10.39	2.59	3.89	0.64	1.68	68
	T30CS006	560	TRENCHER, CHAIN TYPE CUTTER, 48" DEEP X 6" WIDE, 4X4 (W/BACKHOE & BLADE)	46HP	D-off		$53,762	13.93	3.48	5.26	0.85	2.34	82
	T30CS007	660	TRENCHER, CHAIN TYPE CUTTER, 48" DEEP X 8" WIDE, 4X4 (W/BACKHOE & BLADE)	60HP	D-off		$62,050	16.53	4.03	6.09	0.98	3.05	91
	T30CS008	960	TRENCHER, CHAIN TYPE CUTTER, 48" DEEP X 8" WIDE, 4X4 (W/BACKHOE & BLADE)	91HP	D-off		$85,854	23.42	5.56	8.41	1.35	4.63	219
			DITCH WITCH(The Charles Machine Works)I										
	T30DW012	1230	TRENCHER, CHAIN TYPE CUTTER, 36" DEEP X 6" WIDE,WALK BEHIND	13HP	G		$7,723	3.47	0.50	0.76	0.12	1.45	8
	T30DW013	1820	TRENCHER, CHAIN TYPE CUTTER, 48" DEEP X 16" WIDE,WALK BEHIND	18HP	G		$10,854	4.84	0.70	1.05	0.17	2.01	13
	T30DW014	3610	TRENCHER, CHAIN TYPE CUTTER, 60" DEEP X 16" WIDE, 4X4 (W/BLADE)	35HP	D-off		$28,382	8.10	1.81	2.72	0.45	1.78	39
	T30DW005	3700	TRENCHER, CHAIN TYPE CUTTER, 63" DEEP X 12" WIDE, 4X4 (W/DBL PIVOT)	44HP	D-off		$30,129	9.08	1.92	2.87	0.48	2.24	42
	T30DW016	5700	TRENCHER, CHAIN TYPE CUTTER, 52" DEEP X 12" WIDE, 4X4 (W/BLADE)	57HP	D-off		$48,672	13.63	3.16	4.78	0.77	2.90	95
	T30DW017	RT 70 M	TRENCHER, CHAIN TYPE CUTTER, 96" DEEP X 24" WIDE, 4X4 (W/BLADE)	70HP	D-off		$61,728	17.14	4.00	6.06	0.97	3.56	69
	T30DW018	RT 90 M	TRENCHER, CHAIN TYPE CUTTER, 96" DEEP X 24" WIDE, 4X4 (W/BLADE)	78HP	D-off		$69,112	19.17	4.49	6.80	1.09	3.97	77
	T30DW011	HT185 (H1812)	TRENCHER, CHAIN TYPE CUTTER, 84" DEEP X 9"-24" WIDE, CRAWLER (W/BLADE)	185HP	D-off		$171,486	46.86	11.29	17.15	2.71	9.41	195

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		ENGINE HORSEPOWER - FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
			TESMEC USA, INC.										
	T30TM001	TRS 900-A	TRENCHER, CHAIN TYPE CUTTER, 3' DEEP X 4"-8" WIDE, CRAWLER (W/CRUMBSHOE)	185HP	D-off		$259,758	64.59	17.09	25.98	4.10	9.41	375
	T30TM004	TRS 900-A-SL	TRENCHER, CHAIN TYPE CUTTER, 3' DEEP X 4"-8" WIDE, CRAWLER (W/CRUMBSHOE) SELF LEVEL	185HP	D-off		$280,545	68.76	18.46	28.05	4.43	9.41	400
	T30TM009	TRS 1000-A	TRENCHER, CHAIN TYPE CUTTER, 4' DEEP X 5"-12" WIDE, CRAWLER (W/CRUMBSHOE)	270HP	D-off		$368,249	92.07	24.22	36.82	5.81	13.73	550
	T30TM002	TRS 900-B	TRENCHER, CHAIN TYPE CUTTER, 4' DEEP X 12" WIDE, CRAWLER (W/CRUMBSHOE)	185HP	D-off		$264,486	65.53	17.40	26.45	4.17	9.41	405
	T30TM005	TRS 900-B-SL	TRENCHER, CHAIN TYPE CUTTER, 4' DEEP X 12" WIDE, CRAWLER (W/CRUMBSHOE) SELF LEVEL	185HP	D-off		$295,351	71.74	19.43	29.54	4.66	9.41	430
	T30TM007	TRS 900-SLO	TRENCHER, CHAIN TYPE CUTTER, 4' DEEP X 12" WIDE, CRAWLER (W/CRUMBSHOE) SELF LEVEL, OFFSET	240HP	D-off		$355,240	87.45	23.37	35.52	5.61	12.20	450
	T30TM008	TRS 900-SLO	TRENCHER, CHAIN TYPE CUTTER, 6' DEEP X 18" WIDE, CRAWLER (W/CRUMBSHOE) SELF LEVEL, OFFSET	240HP	D-off		$368,972	90.21	24.27	36.90	5.82	12.20	470
	T30TM003	TRS 900-B	TRENCHER, CHAIN TYPE CUTTER, 8' DEEP X 24" WIDE, CRAWLER (W/CRUMBSHOE)	185HP	D-off		$283,265	69.31	18.64	28.33	4.47	9.41	425
	T30TM006	TRS 900-B-SL	TRENCHER, CHAIN TYPE CUTTER, 8' DEEP X 24" WIDE, CRAWLER (W/CRUMBSHOE) SELF LEVEL	185HP	D-off		$317,285	76.15	20.88	31.73	5.01	9.41	450
	T30TM012	TRS 1100	TRENCHER, CHAIN TYPE CUTTER, 8' DEEP X 26" WIDE, CRAWLER (W/CRUMBSHOE)	350HP	D-off		$484,753	120.83	31.89	48.48	7.65	17.79	850
	T30TM014	TRS 1300	TRENCHER, CHAIN TYPE CUTTER, 10' DEEP X 26" WIDE, CRAWLER (W/CRUMBSHOE)	503HP	D-off		$739,922	182.36	48.68	73.99	11.68	25.57	1,550
	T30TM010	TRS 1000-B	TRENCHER, CHAIN TYPE CUTTER, 10' DEEP X 30" WIDE, CRAWLER (W/CRUMBSHOE)	270HP	D-off		$411,079	100.68	27.05	41.11	6.49	13.73	650
	T30TM013	TRS 1300	TRENCHER, CHAIN TYPE CUTTER, 14' DEEP X 42" WIDE, CRAWLER (W/CRUMBSHOE)	402HP	D-off		$755,692	178.77	49.72	75.57	11.93	20.44	1,550
	T30TM015	TRS 1300	TRENCHER, CHAIN TYPE CUTTER, 16' DEEP X 42" WIDE, CRAWLER (W/CRUMBSHOE)	503HP	D-off		$783,028	191.02	51.51	78.30	12.36	25.57	1,550
			VERMEER MANUFACTURING CO.										
	T30VE007	T-455	TRENCHER, CHAIN TYPE CUTTER, 6' DEEP X 7.5"-24" WIDE, CRAWLER, HYDROSTATIC	125HP	D-off		$204,326	49.42	13.44	20.43	3.22	6.36	195

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
T30			*VERMEER MANUFACTURING CO. (continued)*									
	T30VE008	T-555 II	TRENCHER, CHAIN TYPE CUTTER, 8' DEEP X 8"-24" WIDE, CRAWLER, HYDROSTATIC	185HP D-off		$417,793	96.33	27.48	41.78	6.59	9.41	225
	T30VE009	T-655 II	TRENCHER, CHAIN TYPE CUTTER, 8' DEEP X 10"-24" WIDE, CRAWLER, HYDROSTATIC	250HP D-off		$450,312	107.22	29.63	45.03	7.11	12.71	425
	T30VE010	T-755	TRENCHER, CHAIN TYPE CUTTER, 10' DEEP X 14"-36" WIDE, CRAWLER, HYDROSTATIC	250HP D-off		$580,843	133.44	38.21	58.08	9.17	12.71	660
T35	**TRENCHERS, WHEEL TYPE CUTTER**											
	SUBCATEGORY 0.00		**TRENCHERS, WHEEL TYPE CUTTER**									
			CLEVELAND TRENCHER									
	T35CT001	9624	TRENCHER, WHEEL TYPE CUTTER, 72" DEEP X 21.5" WIDE, ROUND BUCKET, CRAWLER	140HP D-off		$182,684	46.08	12.02	18.27	2.88	7.12	230
	T35CT002	9600-S	TRENCHER, WHEEL TYPE CUTTER, 72" DEEP X 24" WIDE, ROUND BUCKET, CRAWLER	140HP D-off		$224,629	54.50	14.77	22.46	3.54	7.12	229
	T35CT003	246-FD	TRENCHER, WHEEL TYPE CUTTER, 84" DEEP X 24" WIDE, ROUND BUCKET, CRAWLER	185HP D-off		$252,727	63.17	16.63	25.27	3.99	9.41	320
	T35CT005	7036-HD-2	TRENCHER, WHEEL TYPE CUTTER, 84" DEEP X 27.5" WIDE, ROUND BUCKET, CRAWLER	102HP D-off		$236,072	54.28	15.54	23.61	3.73	5.19	282
	T35CT006	7036-3	TRENCHER, WHEEL TYPE CUTTER, 84" DEEP X 33.5" WIDE, ROUND BUCKET, CRAWLER	102HP D-off		$224,738	51.99	14.79	22.47	3.55	5.19	263
	T35CT004	7036-HD	TRENCHER, WHEEL TYPE CUTTER, 84" DEEP X 36" WIDE, ROUND BUCKET, CRAWLER	102HP D-off		$237,514	54.56	15.63	23.75	3.75	5.19	286
	T35CT007	7036-SD	TRENCHER, WHEEL TYPE CUTTER, 84" DEEP X 36" WIDE, ROUND BUCKET, CRAWLER	102HP D-off		$248,987	56.87	16.38	24.90	3.93	5.19	340
	T35CT008	8700-2	TRENCHER, WHEEL TYPE CUTTER, 84" DEEP X 36" WIDE, ROUND BUCKET, CRAWLER	150HP D-off		$317,498	73.84	20.89	31.75	5.01	7.63	425
	T35CT009	7648-SD	TRENCHER, WHEEL TYPE CUTTER, 90" DEEP X 48" WIDE, ROUND BUCKET, CRAWLER	150HP D-off		$372,508	84.89	24.51	37.25	5.88	7.63	455
	T35CT010	7648-SD-4	TRENCHER, WHEEL TYPE CUTTER, 90" DEEP X 42" WIDE, ROUND BUCKET, CRAWLER	150HP D-off		$370,494	84.49	24.38	37.05	5.85	7.63	497
	T35CT011	400W-HD	TRENCHER, WHEEL TYPE CUTTER, 108" DEEP X 72" WIDE, ROUND BUCKET, CRAWLER	175HP D-off		$440,086	100.14	28.95	44.01	6.94	8.90	672

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
T40	TRUCK OPTIONS											
	SUBCATEGORY 0.10		CRANES / HOISTS, PERSONNEL & MATERIAL HANDLING									
			AUTO CRANE CO.									
	T40AH001	A50A	TRUCK OPTIONS, CRANE, HYDRAULIC, 3-ARM ARTICULATING, 3.5 TON, 32' BOOM (ADD 21,000 GVW TRUCK & FLATBED)			$20,832	5.11	1.37	2.08	0.33	0.00	34
	T40AH002	A72A	TRUCK OPTIONS, CRANE, HYDRAULIC, 3-ARM ARTICULATING, 5.0 TON, 32' BOOM (ADD 26,000 GVW TRUCK & FLATBED)			$24,898	6.06	1.64	2.49	0.39	0.00	44
	T40AH003	A95	TRUCK OPTIONS, CRANE, HYDRAULIC, 3-ARM ARTICULATING, 6.6 TON, 36' BOOM (ADD 32,500 GVW TRUCK & FLATBED)			$32,293	7.79	2.13	3.23	0.51	0.00	63
	T40AH004	A125	TRUCK OPTIONS, CRANE, HYDRAULIC, 3-ARM ARTICULATING, 8.6 TON, 41' BOOM (ADD 46,000 GVW TRUCK & FLATBED)			$36,052	8.67	2.38	3.61	0.57	0.00	71
			PALFINGER INC.									
	T40PA001	PC 2300	TRUCK OPTIONS, CRANE, HYDRAULIC, 2-ARM ARTICULATING, 2.4 TON, 21' BOOM (ADD 25,000 GVW TRUCK & FLATBED)			$8,147	2.14	0.54	0.81	0.13	0.00	9
	T40PA002	PK 13000	TRUCK OPTIONS, CRANE, HYDRAULIC, 3-ARM ARTICULATING, 5.3 TON, 61' BOOM (ADD 28,000 GVW TRUCK & FLATBED)			$24,872	6.05	1.64	2.49	0.39	0.00	35
	T40PA003	PK 19000	TRUCK OPTIONS, CRANE, HYDRAULIC, 3-ARM ARTICULATING, 8.3 TON, 70' BOOM (ADD 30,000 GVW TRUCK & FLATBED)			$35,321	8.50	2.33	3.53	0.56	0.00	51
	T40PA004	PK 27000	TRUCK OPTIONS, CRANE, HYDRAULIC, 3-ARM ARTICULATING, 9.0 TON, 69' BOOM (ADD 52,000 GVW TRUCK & FLATBED)			$53,691	12.80	3.54	5.37	0.85	0.00	61
	T40PA005	PK 48000	TRUCK OPTIONS, CRANE, HYDRAULIC, 2-ARM ARTICULATING, 12.5 TON, 82' BOOM (ADD 60,000 GVW TRUCK & FLATBED)			$75,134	17.81	4.95	7.51	1.19	0.00	1,072
	T40PA006	PK 60000	TRUCK OPTIONS, CRANE, HYDRAULIC, 2-ARM ARTICULATING, 14.9 TON, 82' BOOM (ADD 62,000 GVW TRUCK & FLATBED)			$77,960	18.47	5.13	7.80	1.23	0.00	126

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.20		**DUMP BODY, REAR**									
			GALION DUMP BODIES, INC.									
	T40GN001	PACKAGE 89-F	TRUCK OPTIONS, DUMP BODY, REAR, 16-23.5 CY DUMP BODY (W/HOIST) (ADD 36,000 GVW TRUCK)			$9,660	2.22	0.69	1.09	0.14	0.00	42
			MIDLAND MANUFACTURING INC.									
	T40MY002	KLEENSIDE	TRUCK OPTIONS, DUMP BODY, REAR, 7.5 CY, AIR GATE (W/HOIST) (ADD 30,000 GVW TRUCK)			$4,153	0.96	0.30	0.47	0.06	0.00	21
	T40MY004	KLEENSIDE	TRUCK OPTIONS, DUMP BODY, REAR, 10.0 CY, AIR GATE (W/HOIST) (ADD 35,000 GVW TRUCK)			$5,964	1.37	0.43	0.67	0.09	0.00	31
	T40MY005	KLEENSIDE	TRUCK OPTIONS, DUMP BODY, REAR, 13.6 CY, AIR GATE (W/HOIST) (ADD 35,000 GVW TRUCK)			$8,524	1.97	0.61	0.96	0.13	0.00	33
	T40MY006	KLEENSIDE	TRUCK OPTIONS, DUMP BODY, REAR, 20.0 CY, AIR GATE (W/HOIST) (ADD 50,000 GVW TRUCK)			$9,684	2.23	0.69	1.09	0.14	0.00	40
	SUBCATEGORY 0.30		**FLATBEDS, WITH SIDES**									
			KNAPHEIDE MANUFACTURING CO.									
	T40KF011	8' X 8'	TRUCK OPTIONS, FLATBED, W/SIDE RACKS, 8' X 8'			$3,071	0.63	0.21	0.31	0.05	0.00	11
	T40KF013	8' X 10'	TRUCK OPTIONS, FLATBED, W/SIDE RACKS, 8' X 10'			$3,250	0.67	0.22	0.33	0.05	0.00	14
	T40KF014	8' X 12'	TRUCK OPTIONS, FLATBED, W/SIDE RACKS, 8' X 12'			$3,484	0.71	0.23	0.35	0.05	0.00	16
	T40KF016	8' X 16'	TRUCK OPTIONS, FLATBED, W/SIDE RACKS, 8' X 16'			$4,197	0.86	0.28	0.42	0.07	0.00	16
	T40KF018	8' X 20'	TRUCK OPTIONS, FLATBED, W/SIDE RACKS, 8' X 20'			$5,070	1.04	0.34	0.51	0.08	0.00	18
	T40KF020	8' X 24'	TRUCK OPTIONS, FLATBED, W/SIDE RACKS, 8' X 24'			$5,903	1.20	0.39	0.59	0.09	0.00	20

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.41		**HOIST, ELECTRIC DRIVE**									
			KNAPHEIDE MANUFACTURING CO.									
	T40KF021	KH-1416L	TRUCK OPTIONS, HOIST, ELECTRIC DRIVE, PTO, 10' TO 14', 7-16 TON			$2,440	0.63	0.16	0.24	0.04	0.00	6
	T40KF023	KH-1416L-EE	TRUCK OPTIONS, HOIST, ELECTRIC DRIVE, 10' TO 14', 7-16 TON			$3,297	0.77	0.22	0.33	0.05	0.00	6
	T40KF024	KH-1627L-EE	TRUCK OPTIONS, HOIST, ELECTRIC DRIVE, 15' TO 20', 14-37 TON			$3,846	0.89	0.25	0.38	0.06	0.00	10
	T40KF022	KH-2538L	TRUCK OPTIONS, HOIST, ELECTRIC DRIVE, PTO, 20' TO 24', 20-45 TON			$4,808	1.15	0.32	0.48	0.08	0.00	15
	SUBCATEGORY 0.50		**TRANSIT MIXERS**									
			NO SPECIFIC MANUFACTURER									
	T40XX034	RDTM-8	TRUCK OPTIONS, TRANSIT MIXER, 8.0 CY, HYDROSTATIC, 100 GAL, (ADD 60,000 GVW TRUCK)	235 HP D-on		$122,541	48.45	8.38	13.02	1.87	15.37	266
	T40XX035	RDTM-9	TRUCK OPTIONS, TRANSIT MIXER, 9.0 CY, HYDROSTATIC, 100 GAL, (ADD 66,000 GVW TRUCK)	250 HP D-on		$124,501	50.22	8.52	13.23	1.90	16.35	270
	T40XX036	RDTM-10	TRUCK OPTIONS, TRANSIT MIXER, 10.0 CY, HYDROSTATIC, 100 GAL, (ADD 66,000 GVW TRUCK)	285 HP D-on		$149,871	59.03	10.25	15.92	2.29	18.64	274
	T40XX037	RDTM-11	TRUCK OPTIONS, TRANSIT MIXER, 11.0 CY, HYDROSTATIC, 100 GAL, (ADD 70,000 GVW TRUCK)	285 HP D-on		$146,942	58.38	10.06	15.61	2.25	18.64	285
	T40XX038	RDTM-12	TRUCK OPTIONS, TRANSIT MIXER, 12.0 CY, HYDROSTATIC, 100 GAL, (ADD 75,000 GVW TRUCK)	285 HP D-on		$153,821	59.91	10.52	16.34	2.35	18.64	295
	SUBCATEGORY 0.60		**WATER TANKS**									
			ROSCO MANUFACTURING CO.									
	T40RS001		TRUCK OPTIONS, WATER TANK, 2,000 GAL (ADD 28,000 GVW TRUCK)			$17,679	3.51	1.12	1.66	0.29	0.00	38
	T40RS002		TRUCK OPTIONS, WATER TANK, 3,000 GAL (ADD 40,000 GVW TRUCK)			$20,541	4.07	1.30	1.93	0.33	0.00	45

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
T40			*ROSCO MANUFACTURING CO. (continued)*									
	T40RS003		TRUCK OPTIONS, WATER TANK, 4,000 GAL (ADD 50,000 GVW TRUCK)			$22,633	4.49	1.43	2.12	0.37	0.00	55
	SUBCATEGORY 0.70		**ALL OTHER OPTIONS**									
			BRODERSON MANUFACTURING CORPORATION									
	T40BD001	MH-42-F	TRUCK OPTIONS, GUILLOTINE CONCRETE BREAKER, DEMOLITION 4' DIA PUNCH, FROST CHISEL, 14" LONG DEMOLITION BLADE OR 12" X 7" ASPHALT BLADE, 4X2	78HP D-off		$90,261	25.15	5.90	8.96	1.42	3.97	99
T45	TRUCK TRAILERS											
	SUBCATEGORY 0.10		**BOTTOM DUMP**									
			MIDLAND MANUFACTURING INC.									
	T45MY004	40' MC 2000	TRUCK TRAILER, BOTTOM DUMP, 21.0 CY, 28 TON, 40' TANDEM, 2 AXLE, CLAMSHELL (ADD TOWING TRUCK)			$24,694	5.42	1.26	1.79	0.36	0.00	152
	T45MY005	40' TC 3000	TRUCK TRAILER, BOTTOM DUMP, 21.0 CY, 30 TON, 40' TRIAXLE, CLAMSHELL (ADD TOWING TRUCK)			$34,136	7.43	1.70	2.42	0.49	0.00	138
	T45MY006	38' MC 3000	TRUCK TRAILER, BOTTOM DUMP, 23.0 CY, 30 TON, 38' TRIAXLE, CLAMSHELL (ADD TOWING TRUCK)			$35,017	7.59	1.75	2.50	0.50	0.00	145
	T45MY007	40' MC 3000	TRUCK TRAILER, BOTTOM DUMP, 23.0 CY, 30 TON, 40' TRIAXLE, CLAMSHELL (ADD TOWING TRUCK)			$33,819	7.38	1.69	2.40	0.49	0.00	152
			NO SPECIFIC MANUFACTURER									
	T45XX001		TRUCK TRAILER, BOTTOM DUMP, 27 TON (ADD TOWING TRUCK)			$31,270	6.59	1.71	2.51	0.45	0.00	122
	T45XX003		TRUCK TRAILER, BOTTOM DUMP, 30 TON (ADD TOWING TRUCK)			$41,864	8.57	2.33	3.46	0.60	0.00	160

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.20		**END DUMP**									
			MIDLAND MANUFACTURING INC.									
	T45MY015	28' SK2000	TRUCK TRAILER, END DUMP, 28 CY, 36 TON, 2 AXLE (W/HOIST) (ADD TOWING TRUCK)			$26,966	5.81	1.39	2.00	0.39	0.00	115
	T45MY016	32' ST 2400	TRUCK TRAILER, END DUMP, 28 CY, 36 TON, 2 AXLE (W/HOIST) (ADD TOWING TRUCK)			$27,331	5.87	1.41	2.03	0.39	0.00	130
	T45MY017	39' SK 2300	TRUCK TRAILER, END DUMP, 39 CY, 50 TON, 3 AXLE (W/HOIST) (ADD TOWING TRUCK)			$30,006	6.62	1.46	2.05	0.43	0.00	170
			NO SPECIFIC MANUFACTURER									
	T45XX008		TRUCK TRAILER, END DUMP, 20 CY, 24 TON (ADD TOWING TRUCK)			$26,193	5.51	1.41	2.05	0.38	0.00	110
	SUBCATEGORY 0.30		**PUP TRAILER**									
			MIDLAND MANUFACTURING INC.									
	T45MY018	14' SK 2100	TRUCK TRAILER, PUP TRAILER, 10 CY, 13 TON, 2 AXLE (W/HOIST) (ADD TOWING TRUCK)			$18,112	4.68	1.02	1.50	0.27	0.00	80
	T45MY019	14' SL 2100	TRUCK TRAILER, PUP TRAILER, 12 CY, 15 TON, 2 AXLE (W/HOIST) (ADD TOWING TRUCK)			$17,959	4.64	1.01	1.48	0.27	0.00	80
			NO SPECIFIC MANUFACTURER									
	T45XX009		TRUCK TRAILER, PUP TRAILER, 8 CY, LONG TONGUE (ADD TOWING TRUCK)			$26,916	6.47	1.73	2.65	0.40	0.00	86
	T45XX010		TRUCK TRAILER, PUP TRAILER, 10 CY, LONG TONGUE (ADD TOWING TRUCK)			$27,010	6.49	1.73	2.66	0.40	0.00	86
	T45XX032		TRUCK TRAILER, PUP TRAILER, 13 CY,14.5 T, 3 AXLE (ADD TOWING TRUCK)			$34,026	7.83	2.42	3.83	0.50	0.00	92
	T45XX033		TRUCK TRAILER, PUP TRAILER, 16 CY, 18.0 T, 4 AXLE (ADD TOWING TRUCK)			$40,185	9.27	2.86	4.52	0.60	0.00	100

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.41		**LOWBOY, RIGID NECK, DROP DECK**									
			EAGER BEAVER									
	T45EA006	35GSL-BR	TRUCK TRAILER, LOWBOY, 35 TON, 2 AXLE, DETATCHABLE GOOSENECK (ADD TOWING TRUCK)			$31,600	6.52	1.57	2.22	0.46	0.00	150
	T45EA007	50GSL/3	TRUCK TRAILER, LOWBOY, 50 TON, 3 AXLE , DETATCHABLE GOOSENECK (ADD TOWING TRUCK)			$44,411	9.04	2.18	3.07	0.64	0.00	205
			NO SPECIFIC MANUFACTURER									
	T45XX011		TRUCK TRAILER, LOWBOY, 25 TON, 2 AXLE (ADD TOWING TRUCK)			$26,547	5.15	1.43	2.10	0.38	0.00	95
	T45XX012		TRUCK TRAILER, LOWBOY, 30 TON, 2 AXLE (ADD TOWING TRUCK)			$28,041	5.39	1.52	2.23	0.40	0.00	115
	T45XX013		TRUCK TRAILER, LOWBOY, 35 TON, 2 AXLE (ADD TOWING TRUCK)			$29,528	5.65	1.61	2.35	0.43	0.00	110
	T45XX014		TRUCK TRAILER, LOWBOY, 35 TON, 3 AXLE (ADD TOWING TRUCK)			$36,137	7.01	1.93	2.81	0.52	0.00	127
	T45XX015		TRUCK TRAILER, LOWBOY, 40 TON, 3 AXLE (ADD TOWING TRUCK)			$36,931	7.13	1.97	2.88	0.53	0.00	136
	T45XX016		TRUCK TRAILER, LOWBOY, 50 TON, 3 AXLE (ADD TOWING TRUCK)			$41,396	7.90	2.24	3.27	0.60	0.00	145
	T45XX017		TRUCK TRAILER, LOWBOY, 60 TON, 3 AXLE (ADD TOWING TRUCK)			$43,782	8.42	2.32	3.37	0.63	0.00	175
	T45XX018		TRUCK TRAILER, LOWBOY, 70 TON, 3 AXLE (ADD TOWING TRUCK)			$43,770	8.42	2.32	3.37	0.63	0.00	213
	T45XX019		TRUCK TRAILER, LOWBOY, 75 TON, 3 AXLE (ADD TOWING TRUCK)			$50,261	9.48	2.70	3.96	0.72	0.00	220
	T45XX020		TRUCK TRAILER, LOWBOY, 80 TON, 4 AXLE (ADD TOWING TRUCK)			$48,654	9.38	2.59	3.77	0.70	0.00	268
	T45XX021		TRUCK TRAILER, LOWBOY, 90 TON, 4 AXLE (ADD TOWING TRUCK)			$52,819	10.07	2.84	4.15	0.76	0.00	293
	T45XX022		TRUCK TRAILER, LOWBOY, 100 TON, 4 AXLE (ADD TOWING TRUCK)			$60,418	11.51	3.21	4.68	0.87	0.00	312
	T45XX023		TRUCK TRAILER, LOWBOY, 120 TON, 4 AXLE (ADD TOWING TRUCK)			$72,457	13.69	3.85	5.61	1.04	0.00	350

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.50		**FLATBED TRAILER**									
			NO SPECIFIC MANUFACTURER									
	T45XX025		TRUCK TRAILER, FLATBED, 25 TON, 2 AXLE (ADD TOWING TRUCK)			$24,940	4.60	1.33	1.94	0.36	0.00	110
	T45XX034	32	TRUCK TRAILER, FLATBED, 40 TON, 2 AXLE (ADD TOWING TRUCK)			$24,559	4.40	1.46	2.21	0.35	0.00	103
	T45XX035	40	TRUCK TRAILER, FLATBED, 40 TON, 2 AXLE (ADD TOWING TRUCK)			$26,097	4.66	1.56	2.35	0.38	0.00	110
	SUBCATEGORY 0.60		**MISCELLANEOUS / UTILITY**									
			NO SPECIFIC MANUFACTURER									
	T45XX026		TRUCK TRAILER, MISCELLANEOUS/UTILITY, TILT BED, 12 TON, 2 AXLE (ADD TOWING TRUCK)			$14,107	2.91	0.76	1.12	0.20	0.00	62
	T45XX027		TRUCK TRAILER, MISCELLANEOUS/UTILITY, TILT BED, 16 TON, 2 AXLE (ADD TOWING TRUCK)			$16,008	3.31	0.84	1.22	0.23	0.00	65
	T45XX028		TRUCK TRAILER, MISCELLANEOUS/UTILITY, TILT BED, 20 TON, 2 AXLE (ADD TOWING TRUCK)			$18,530	3.84	0.96	1.37	0.27	0.00	67
	T45XX024		TRUCK TRAILER, MISCELLANEOUS/UTILITY, ATTACHMENT, HELPER DOLLY, 60 TON TRAILER MAX (ADD TOWING TRUCK)			$23,497	4.35	1.25	1.81	0.34	0.00	62
	SUBCATEGORY 0.70		**WATER TANKER TRAILER**									
			NO SPECIFIC MANUFACTURER									
	T45XX029		TRUCK TRAILER, WATER TANKER, 4000 GAL, W/PUMP (ADD TOWING TRUCK)	63HP D-off		$66,465	15.00	3.48	4.83	1.06	3.20	170
	T45XX030		TRUCK TRAILER, WATER TANKER, 5000GAL, W/PUMP (ADD TOWING TRUCK)	63HP D-off		$65,542	15.04	3.35	4.61	1.04	3.20	240
	T45XX031		TRUCK TRAILER, WATER TANKER, 6000 GAL, W/PUMP (ADD TOWING TRUCK)	63HP D-off		$80,313	17.44	4.14	5.72	1.28	3.20	250

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
T50	TRUCKS, HIGHWAY (Add attachments as required)												
	SUBCATEGORY 0.01		**0 THRU 10,000 GVW**										
			GMC AND CHEVROLET										
	T50GM001	S10	TRUCK, HIGHWAY, 3,500 GVW, 4X2 (COMPACT)	120HP	G		$13,517	7.13	0.87	1.32	0.21	3.18	26
	T50GM004	R26	TRUCK, HIGHWAY, 8,600 GVW, 4X2 (SUBURBAN)	285HP	G		$33,632	17.21	2.20	3.33	0.53	7.54	50
	T50GM005	V26	TRUCK, HIGHWAY, 8,600 GVW, 4X4 (SUBURBAN)	285HP	G		$36,166	17.75	2.36	3.58	0.57	7.54	52
			NO SPECIFIC MANUFACTURER										
	T50XX001	4X2 1/2 130 CONV GAS	TRUCK, HIGHWAY, CONVENTIONAL, 1/2 TON PICKUP, 4X2	130HP	G		$13,376	7.52	0.83	1.24	0.21	3.44	45
	T50XX002	4X2 3/4 130 CONV GAS	TRUCK, HIGHWAY, CONVENTIONAL, 3/4 TON PICKUP, 4X2	130HP	G		$16,131	8.05	1.03	1.55	0.25	3.44	40
	T50XX003	4X2 1 180 CONV GAS	TRUCK, HIGHWAY, CONVENTIONAL, 1 TON PICKUP, 4X2	180HP	G		$18,390	10.29	1.18	1.78	0.29	4.76	41
	T50XX004	4X4 1/2 130 CONV GAS	TRUCK, HIGHWAY, CONVENTIONAL, 1/2 TON PICKUP, 4X4	130HP	G		$16,180	8.13	1.02	1.52	0.26	3.44	43
	T50XX005	4X4 3/4 130 CONV GAS	TRUCK, HIGHWAY, CONVENTIONAL, 3/4 TON PICKUP, 4X4	130HP	G		$19,047	8.70	1.22	1.84	0.30	3.44	45
	T50XX006	4X4 1 180 CONV GAS	TRUCK, HIGHWAY, CONVENTIONAL, 1 TON PICKUP, 4X4	180HP	G		$19,739	10.60	1.27	1.92	0.31	4.76	41
	T50XX007	4X2 1/2 130 CREW GAS	TRUCK, HIGHWAY, CREW, 1/2 TON PICKUP, 4X2	130HP	G		$14,145	7.69	0.88	1.32	0.22	3.44	45
	T50XX008	4X2 3/4 130 CREW GAS	TRUCK, HIGHWAY, CREW, 3/4 TON PICKUP, 4X2	130HP	G		$17,081	8.27	1.10	1.65	0.27	3.44	47
	T50XX009	4X2 1 180 CREW GAS	TRUCK, HIGHWAY, CREW, 1 TON PICKUP, 4X2	180HP	G		$21,083	10.87	1.36	2.05	0.33	4.76	45
	T50XX010	4X4 1/2 130 CREW GAS	TRUCK, HIGHWAY, CREW, 1/2 TON PICKUP, 4X4	130HP	G		$19,241	8.78	1.22	1.83	0.30	3.44	48
	T50XX011	4X4 3/4 180 CREW GAS	TRUCK, HIGHWAY, CREW, 3/4 TON PICKUP, 4X4	180HP	G		$20,635	10.79	1.33	2.00	0.33	4.76	55
	T50XX012	4X4 1 180 CREW GAS	TRUCK, HIGHWAY, CREW, 1 TON PICKUP, 4X4	180HP	G		$21,709	11.02	1.40	2.11	0.34	4.76	45

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
T50			*NO SPECIFIC MANUFACTURER (continued)*										
	T50XX013	4X2 1/2 75 CONV DSL	TRUCK, HIGHWAY, CONVENTIONAL, 1/2 TON PICKUP, 4X2	75HP	D-on		$17,502	5.30	1.11	1.66	0.28	1.11	39
	T50XX014	4X2 3/4 75 CONV DSL	TRUCK, HIGHWAY, CONVENTIONAL, 3/4 TON PICKUP, 4X2	75HP	D-on		$19,430	5.65	1.25	1.88	0.31	1.11	40
	T50XX015	4X2 1 130 CONV DSL	TRUCK, HIGHWAY, CONVENTIONAL, 1 TON PICKUP, 4X2	130HP	D-on		$22,421	7.32	1.44	2.18	0.35	1.92	43
	T50XX016	4X4 1/2 130 CONV DSL	TRUCK, HIGHWAY, CONVENTIONAL, 1/2 TON PICKUP, 4X4	130HP	D-on		$20,877	7.05	1.33	1.99	0.33	1.92	43
	T50XX017	4X4 3/4 130 CONV DSL	TRUCK, HIGHWAY, CONVENTIONAL, 3/4 TON PICKUP, 4X4	130HP	D-on		$21,063	7.05	1.36	2.05	0.33	1.92	45
	T50XX018	CONV DSL 4X4 1 130	TRUCK, HIGHWAY, CONVENTIONAL, 1 TON PICKUP, 4X4	130HP	D-on		$25,235	7.96	1.64	2.47	0.40	1.92	49
	T50XX019	4X2 3/4 130 CREW DSL	TRUCK, HIGHWAY, CREW, 3/4 TON PICKUP, 4X2	130HP	D-on		$20,107	6.83	1.30	1.95	0.32	1.92	47
	T50XX020	4X4 3/4 130 CREW DSL	TRUCK, HIGHWAY, CREW, 3/4 TON PICKUP 4X4	130HP	D-on		$24,329	7.75	1.57	2.37	0.38	1.92	55
	T50XX021	4X2 1 130 CREW DSL	TRUCK, HIGHWAY, CREW, 1 TON PICKUP, 4X2	130HP	D-on		$22,102	7.26	1.43	2.15	0.35	1.92	48
	SUBCATEGORY 0.02		**OVER 10,000 THRU 30,000 GVW (Chassis only - Add options)**										
			NO SPECIFIC MANUFACTURER										
	T50XX023	4X2 20KGVW GAS	TRUCK, HIGHWAY, 20,000 LBS GVW, 2 AXLE, 4X2 (CHASSIS ONLY-ADD OPTIONS)	210HP	G		$34,774	23.10	1.86	2.63	0.54	12.70	70
	T50XX024	4X2 25KGVW GAS	TRUCK, HIGHWAY, 25,000 LBS GVW, 2 AXLE, 4X2 (CHASSIS ONLY-ADD OPTIONS)	210HP	G		$30,148	22.32	1.60	2.26	0.47	12.70	72
	T50XX022	4X2 25KGVW DSL	TRUCK, HIGHWAY, 25,000 LBS GVW, 2 AXLE, 4X2 (CHASSIS ONLY-ADD OPTIONS)	180HP	D-on		$44,138	16.03	2.37	3.38	0.68	6.46	88
	T50XX026	4X2 30KGVW DSL	TRUCK, HIGHWAY, 30,000 LBS GVW, 2 AXLE, 4X2 (CHASSIS ONLY-ADD OPTIONS)	210HP	D-on		$59,228	20.09	3.17	4.51	0.91	7.53	105
	T50XX025	4X4 30KGVW DSL	TRUCK, HIGHWAY, 30,000 LBS GVW, 2 AXLE, 4X4 (CHASSIS ONLY-ADD OPTIONS)	170HP	D-on		$58,322	18.12	3.12	4.44	0.90	6.10	97
	SUBCATEGORY 0.03		**OVER 30,000 GVW (Chassis only - Add options)**										
			NO SPECIFIC MANUFACTURER										
	T50XX027	4X2 35KGVW DSL	TRUCK, HIGHWAY, 35,000 LBS GVW, 2 AXLE, 4X2 (CHASSIS ONLY-ADD OPTIONS)	265HP	D-on		$94,443	31.56	4.50	6.11	1.44	13.42	126

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
T50			*NO SPECIFIC MANUFACTURER (continued)*										
	T50XX028	6X4 45KGVW DSL	TRUCK, HIGHWAY, 45,000 LBS GVW, 2 AXLE, 6X4 (CHASSIS ONLY-ADD OPTIONS)	230 HP	D-on		$94,550	29.43	4.45	6.02	1.44	11.65	135
	T50XX029	6X4 55KGVW DSL	TRUCK, HIGHWAY, 50,000 LBS GVW, 2 AXLE, 6X4 (CHASSIS ONLY-ADD OPTIONS)	310 HP	D-on		$86,984	33.67	4.08	5.51	1.32	15.70	144
	T50XX030	6X6 70KGVW DSL	TRUCK, HIGHWAY, 70,000 LBS GVW, 2 AXLE, 6X6 (CHASSIS ONLY-ADD OPTIONS)	350 HP	D-on		$110,825	39.75	5.23	7.10	1.68	17.72	180
	T50XX031	6X4 75KGVW DSL	TRUCK, HIGHWAY, 75,000 LBS GVW, 2 AXLE, 6X4 (CHASSIS ONLY-ADD OPTIONS)	400 HP	D-on		$101,735	41.77	4.81	6.51	1.55	20.26	197
T55	TRUCKS, OFF-HIGHWAY												
	SUBCATEGORY 0.10		**RIGID FRAME**										
			CATERPILLAR INC. (MACHINE DIVISION)										
	T55CA007	769D	TRUCK, OFF-HIGHWAY, RIGID FRAME, 31.7 CY, 41.6 TON, 4X4, REAR DUMP	487 HP	D-off		$533,069	85.26	18.48	21.81	7.57	13.58	668
	T55CA002	773D	TRUCK, OFF-HIGHWAY, RIGID FRAME, 46.9 CY, 57.7 TON, 4X4, REAR DUMP	650 HP	D-off		$714,118	109.92	24.64	28.97	10.15	18.12	872
	T55CA003	777D	TRUCK, OFF-HIGHWAY, RIGID FRAME, 78.6 CY, 100 TON, 4X4, REAR DUMP	938 HP	D-off		$986,143	155.39	33.73	39.44	14.01	26.15	1,419
			Komatsu America International Company										
	T55KM009	HD325-6	TRUCK, OFF-HIGHWAY, RIGID FRAME, 31.4 CY, 44 TON, 4X4, REAR DUMP	488 HP	D-off		$517,108	83.52	17.92	21.13	7.35	13.61	1,590
	T55KM010	HD465-5	TRUCK, OFF-HIGHWAY, RIGID FRAME, 44.7 CY, 61 TON, 4X4, REAR DUMP	715 HP	D-off		$758,390	123.38	26.22	30.88	10.78	19.93	2,119
	T55KM011	HD605-5	TRUCK, OFF-HIGHWAY, RIGID FRAME, 52.3 CY, 67 TON, 4X4, REAR DUMP	715 HP	D-off		$818,164	130.07	28.34	33.42	11.63	19.93	2,352
	T55KM012	HD785-5	TRUCK, OFF-HIGHWAY, RIGID FRAME, 78.7 CY, 100 TON, 4X4, REAR DUMP	1,082 HP	D-off		$1,080,104	171.47	37.07	43.43	15.35	30.17	3,670
	T55KM013	HD1500-5	TRUCK, OFF-HIGHWAY, RIGID FRAME, 102 CY, 165 TON, 4X4, REAR DUMP	1,486 HP	D-off		$1,795,510	271.70	61.79	72.55	25.51	41.43	5,500
	T55KM014	730E	TRUCK, OFF-HIGHWAY, RIGID FRAME, 145 CY, 205 TON, 4X4, REAR DUMP	2,000 HP	D-off		$2,118,873	333.03	72.52	84.82	30.11	55.76	7,150

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.20		**ARTICULATED FRAME**										
			CATERPILLAR INC. (MACHINE DIVISION)										
	T55CA008	D25D	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 18 CY, 25 TON, 4X4, REAR DUMP	260 HP	D-off		$334,096	67.55	15.44	21.13	4.87	10.23	429
	T55CA009	D30D	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 22 CY, 30 TON, 4X4, REAR DUMP	285 HP	D-off		$395,991	79.19	18.27	24.98	5.78	11.22	473
	T55CA010	D250D SERIES II	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 18 CY, 25 TON, 6X6, REAR DUMP	214 HP	D-off		$332,967	65.69	15.34	20.96	4.86	8.42	424
	T55CA011	D300E SERIES II	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 22 CY, 30 TON, 6X6, REAR DUMP	260 HP	D-off		$393,684	78.23	18.11	24.73	5.74	10.23	488
	T55CA012	D350E SERIES II	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 25 CY, 35 TON, 6X6, REAR DUMP	355 HP	D-off		$487,070	97.47	22.50	30.80	7.10	13.97	666
	T55CA013	D400E SERIES II	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 28 CY, 40 TON, 6X6, REAR DUMP	405 HP	D-off		$536,375	108.78	24.70	33.76	7.82	15.94	698
			DEERE & COMPANY										
	T55JD001	250D	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 18 CY, 25 TON, 6X6, REAR DUMP	265 HP	D-off		$259,893	57.69	11.78	15.98	3.79	10.43	355
	T55JD002	300D	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 22 CY, 29 TON, 6X6, REAR DUMP	285 HP	D-off		$300,185	64.92	13.69	18.62	4.38	11.22	401
	T55JD003	350D	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 25 CY, 35 TON, 6X6, REAR DUMP	380 HP	D-off		$390,507	87.40	17.54	23.68	5.70	14.96	571
	T55JD004	400D	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 29 CY, 40 TON, 6X6, REAR DUMP	413 HP	D-off		$438,300	95.71	19.87	26.95	6.39	16.26	635
			Komatsu America International Company										
	T55KM015	HM350-1	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 19.1-25.9 CY, 35.7 TON, 6 X 6 X 2, REAR DUMP	389 HP	D-off		$469,046	100.03	21.25	28.82	6.84	15.31	630
	T55KM016	HM400-1	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 21.6-29.2 CY, 40.3 TON, 6 X 6 X 2, REAR DUMP	430 HP	D-off		$536,176	111.71	24.50	33.35	7.82	16.92	668
			VOLVO CONSTRUCTION EQUIPMENT GROUP										
	T55VO002	A-25D 4X4	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 14-18 CY, 25 TON, 4X4, REAR DUMP	251 HP	D-off		$278,381	59.01	12.75	17.37	4.06	9.88	348

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
T55			*VOLVO CONSTRUCTION EQUIPMENT GROUP (continued)*									
	T55VO003	A-25D	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 14-18 CY, 25 TON, 6X6, REAR DUMP	251 HP D-off		$291,432	62.23	13.24	17.98	4.25	9.88	392
	T55VO005	A-30D	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 17-22 CY, 30 TON, 6X6, REAR DUMP	296 HP D-off		$338,397	69.11	15.69	21.49	4.94	11.65	461
	T55VO004	A-35D	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 19-25 CY, 35 TON, 6X6, REAR DUMP	322 HP D-off		$409,245	83.94	18.81	25.68	5.97	12.67	567
	T55VO006	A-40D	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 21-29 CY, 40 TON, 6X6, REAR DUMP	395 HP D-off		$460,103	96.93	21.04	28.66	6.71	15.55	660
T56	TRUCKS,OFF-HIGHWAY/PRIME MOVER TRACTORS & WAGONS											
	SUBCATEGORY 0.10		**PRIME MOVER TRACTORS**									
			CATERPILLAR INC. (MACHINE DIVISION)									
	T56CA006	776D	TRUCK, OFF-HIGHWAY, RIGID FRAME, PRIME MOVER TRACTOR, 4X4	938 HP D-off		$1,098,612	173.62	37.72	44.22	15.61	29.23	1,164
T57	TRUCKS, VACUUM											
	SUBCATEGORY 0.00		**TRUCKS, VACUUM**									
			CUSCO INDUSTRIES									
	T57CU001	INDUSTRIAL VAC 130	VACUUM, 5500 GAL, 750 CFM, TRAILER MTD, REAR DOOR & HYDRAULIC DUMP SYSTEM (ADD TOWING TRUCK)	76 HP D-off		$81,366	20.74	4.50	6.48	1.26	3.86	76
	T57CU002	SS INDUST. VAC 130	VACUUM, 5500 GAL, 750 CFM, STAINLESS STEEL, TRAILER MTD, REAR DOOR & HYDRAULIC DUMP SYSTEM (ADD TOWING TRUCK)	76 HP D-off		$99,636	24.20	5.51	7.94	1.54	3.86	76
	T57CU003	2527	VACUUM, 5500 GAL, 2,100 CFM, TRAILER MTD, REAR DOOR & HYDRAULIC DUMP SYSTEM (ADD TOWING TRUCK)	115 HP D-off		$147,426	35.87	8.15	11.76	2.27	5.85	115
	T57CU004	3827	VACUUM, 5500 GAL, 3,170 CFM, TRAILER MTD, REAR DOOR & HYDRAULIC DUMP SYSTEM (ADD TOWING TRUCK)	177 HP D-off		$167,863	43.90	9.29	13.40	2.59	9.00	177

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
T57			*CUSCO INDUSTRIES (continued)*									
	T57CU005	5327	VACUUM, 5500 GAL, 4,550 CFM, TRAILER MTD, REAR DOOR & HYDRAULIC DUMP SYSTEM (ADD TOWING TRUCK)	335HP D-off		$181,665	57.09	10.05	14.50	2.80	17.03	335
T60	**TRUCKS, WATER, OFF-HIGHWAY**											
	SUBCATEGORY 0.00		**TRUCKS, WATER, OFF-HIGHWAY**									
			KLEIN PRODUCTS, INC.									
	T60KI001	KT-50	TRUCK, WATER, OFF-HIGHWAY, 5000 GAL, W/CAT 613C TRACTOR	175HP D-off		$215,414	47.10	10.16	13.77	3.27	8.90	320
	T60KI002	KT-60	TRUCK, WATER, OFF-HIGHWAY, 6000 GAL, W/CAT 621E TRACTOR	330HP D-off		$337,156	78.79	15.81	21.38	5.12	16.78	580
	T60KI003	KT-80	TRUCK, WATER, OFF-HIGHWAY, 8000 GAL, W/CAT 631E TRACTOR	450HP D-off		$544,105	120.51	25.64	34.74	8.27	22.88	751
	T60KI004	KT-100	TRUCK, WATER, OFF-HIGHWAY, 10000 GAL, W/CAT 631E TRACTOR	450HP D-off		$114,484	54.65	4.79	6.09	1.74	22.88	811
	T60KI006	KT-120	TRUCK, WATER, OFF-HIGHWAY, 12000 GAL, W/CAT 651E TRACTOR	550HP D-off		$660,651	145.62	31.25	42.42	10.04	27.96	1,097
			SOUTHWEST CONSTRUCTION EQUIPMENT CO.									
	T60SO001	STT-60	TRUCK, WATER, OFF-HIGHWAY, 6000 GAL, W/CAT 621E TRACTOR	330HP D-off		$390,561	86.97	18.40	24.94	5.93	16.78	610
	T60SO002	STT-80	TRUCK, WATER, OFF-HIGHWAY, 8000 GAL, W/CAT 631E TRACTOR	450HP D-off		$541,013	120.50	25.43	34.41	8.22	22.88	812
	T60SO003	STT-100	TRUCK, WATER, OFF-HIGHWAY, 10000 GAL, W/CAT 631E TRACTOR	450HP D-off		$549,111	121.74	25.82	34.95	8.34	22.88	897
	T60SO004	STT-120	TRUCK, WATER, OFF-HIGHWAY, 12000 GAL, W/CAT 651E TRACTOR	550HP D-off		$682,372	150.89	32.06	43.37	10.37	27.96	1,149
	T60SO005	STT-140	TRUCK, WATER, OFF-HIGHWAY, 14000 GAL, W/CAT 651E TRACTOR	550HP D-off		$693,782	152.64	32.61	44.13	10.54	27.96	1,184

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
W25	WATER & CO2 BLASTERS												
	SUBCATEGORY 0.10		**LOW PRESSURE, (< 5,000 PSI)**										
			SIOUX STEAM CLEANER CORPORATION										
	W25SD006	S1.7 D250	WATER BLASTER, STEAM CLEANER, 100 GPH, 250 PSI	1HP	E	D-off	$3,783	6.15	0.45	0.76	0.07	0.07	4
	W25SD007	S2 D250	WATER BLASTER, STEAM CLEANER, 120 GPH, 250 PSI	1HP	E	D-off	$3,992	7.26	0.47	0.80	0.07	0.07	5
	W25SD008	S2.7 D250	WATER BLASTER, STEAM CLEANER, 160 GPH, 250 PSI	1HP	E	D-off	$4,258	8.40	0.50	0.85	0.07	0.07	6
	W25SD009	SF11	WATER BLASTER, STEAM GENERATOR, 15 PSI, 3.05 GPH, 55 GAL BOILER, 355 LB/HR STEAM	11HP	E		$10,002	12.47	1.17	2.00	0.17	0.73	9
	W25SD001	513-5-E	WATER BLASTER, LOW PRESSURE, COLD WATER, 1440 PSI, 5 GPM	5HP	E		$5,367	3.38	0.63	1.07	0.09	0.33	4
	W25SD005	514-4-G	WATER BLASTER, LOW PRESSURE, COLD WATER, 2500 PSI, 4 GPM	11HP	G		$7,588	6.38	0.89	1.52	0.13	1.79	4
	W25SD003	515-5-G	WATER BLASTER, LOW PRESSURE, COLD WATER, 3000 PSI, 5 GPM	14HP	G		$8,979	7.76	1.06	1.80	0.16	2.28	5
	W25SD002	EN-140-H4-1800	WATER BLASTER, LOW PRESSURE, HOT WATER, 1800 PSI, 2.3 GPM	3HP	E		$10,270	5.84	1.21	2.05	0.18	0.20	7
	W25SD004	H3.5*3000	WATER BLASTER, LOW PRESSURE, HOT WATER, 3000 PSI, 3.5 GPM, TRAILER MTD	8HP	G		$7,265	5.53	0.84	1.42	0.13	1.30	6
			NO SPECIFIC MANUFACTURER										
	W25XX005	COLD 3/1000G	WATER BLASTER, LOW PRESSURE, COLD WATER, 700 PSI, 3 GPM	5HP	G		$1,611	1.90	0.19	0.32	0.03	0.81	4
	W25XX006	COLD 4/1000G	WATER BLASTER, LOW PRESSURE, COLD WATER, 1200 PSI, 3 GPM	5HP	G		$2,272	2.25	0.27	0.45	0.04	0.81	4
	W25XX007	COLD 4/2000G	WATER BLASTER, LOW PRESSURE, COLD WATER, 2000 PSI, 4 GPM	8HP	G		$3,082	3.32	0.36	0.62	0.05	1.30	2
	W25XX008	COLD 4/3000G	WATER BLASTER, LOW PRESSURE, COLD WATER, 3000 PSI, 4 GPM	11HP	G		$3,163	3.99	0.38	0.63	0.06	1.79	6
	W25XX009	HOT 4/1000G	WATER BLASTER, LOW PRESSURE, HOT WATER/STEAM, 1000 PSI, 4 GPM	8HP	G		$6,424	5.12	0.75	1.28	0.11	1.30	6
	W25XX010	HOT 6/3000G	WATER BLASTER, LOW PRESSURE, HOT WATER/STEAM, 3000 PSI, 6 GPM	24HP	G		$9,829	10.28	1.16	1.97	0.17	3.90	10

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.20		**HIGH PRESSURE, (>= 5,000 PSI)**										
			NLB CORPORATION										
	W25NL001	6200E	WATER BLASTER, HIGH PRESSURE, 50 GPM @ 6000 PSI, SKID MTD, W/MODEL 10200 PUMP	200 HP	E		$59,527	53.28	7.00	11.91	1.04	13.30	118
	W25NL003	201536D	WATER BLASTER, HIGH PRESSURE, 13.2 GPM @ 20000 PSI, SKID MTD, W/50 LF HOSE & CLEANING LANCE	150 HP	D-off		$64,833	51.56	7.62	12.97	1.13	11.07	78
	W25NL002	20253D	WATER BLASTER, HIGH PRESSURE, 22 GPM @ 20000 PSI, SKID MTD (ADD TRUCK, FLATBED TRAILER & WATER TANKER)	335 HP	D-off		$100,949	90.14	11.86	20.19	1.76	24.72	140
	W25NL005	20600D	WATER BLASTER, HIGH PRESSURE, 53 GPM @ 20000 PSI, SKID MTD (ADD TRUCK, FLATBED TRAILER & WATER TANKER)	700 HP	D-off		$249,425	210.31	29.31	49.89	4.36	51.66	200
	W25NL004	4400	WATER BLASTER, HIGH PRESSURE, HYDRODEMOLITION UNIT CONCRETE BUSTER, SELF PROPELLED (ADD MODEL 20600D WATER BLASTER)	34 HP	D-off		$133,954	78.96	15.47	26.25	2.34	2.51	80
	SUBCATEGORY 0.40		**CO2 BLASTERS**										
			COLD JET										
	W25CJ001	P750B	CARBON DIOXIDE (CO2) BLASTER, 600 LBS/HR, SINGLE HOSE DELIVERY (ADD 65-100 CFM COMPRESSOR)	20 HP	E		$64,873	23.97	5.39	8.65	1.06	0.98	34
	W25CJ002	P1500B	CARBON DIOXIDE (CO2) BLASTER, 1200 LBS/HR, SINGLE HOSE DELIVERY (ADD 65-150 CFM COMPRESSOR)	24 HP	E		$100,617	36.63	8.35	13.42	1.64	1.18	37
	W25CJ003	P3000B	CARBON DIOXIDE (CO2) BLASTER, 1200 LBS/HR, DUAL HOSE DELIVERY (ADD 65-200 CFM COMPRESSOR)	24 HP	E		$173,245	61.74	14.38	23.10	2.83	1.18	66

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.50		**WET ABRASIVE BLASTING SYSTEM (TORBO)**									
			KEIZER TECHNOLOGIES AMERICAS, INC									
	W25KZ001	TORBO M120	WATER BLASTER, WET ABRASIVE BLASTER, 4.2 CF TANK CAP, 170 PSI, (INCLUDES HOSES & NOZZLE, ADD 350 CFM AIR COMPRESSOR)	350CFM A		$17,574	2.27	0.87	1.14	0.30	0.00	4
	W25KZ002	TORBO M120	WATER BLASTER, WET ABRASIVE BLASTER, 4.2 CF TANK CAP, 170 PSI, W/MIX RUST INHIBITOR INJECTOR (INCLUDES HOSES & NOZZLE, ADD 350 CFM AIR COMPRESSOR)	350CFM A		$19,461	2.50	0.96	1.26	0.33	0.00	4
	W25KZ003	LOC RESTORATION UNIT	WATER BLASTER, WET ABRASIVE BLASTER, 4.2 CF TANK CAP, 170 PSI, W/LOC RESTORATION UNIT (INCLUDES HOSES & NOZZLE, ADD 350 CFM AIR COMPRESSOR)	350CFM A		$19,896	2.57	0.99	1.29	0.34	0.00	4
	W25KZ004	TORBO M320	WATER BLASTER, WET ABRASIVE BLASTER, 13.0 CF TANK CAP, 170 PSI, (INCLUDES HOSES & NOZZLE, ADD 385 CFM AIR COMPRESSOR)	385CFM A		$28,277	3.65	1.40	1.84	0.48	0.00	8
	W25KZ005	TORBO XL320	WATER BLASTER, WET ABRASIVE BLASTER, 13.0 CF TANK CAP, 170 PSI, (INCLUDES HOSES & NOZZLE, ADD 385 CFM AIR COMPRESSOR)	385CFM A		$33,406	4.31	1.66	2.17	0.57	0.00	8
	W25KZ006	TORBO XL320	WATER BLASTER, WET ABRASIVE BLASTER, 19.0 CF TANK CAP, 170 PSI, (INCLUDES HOSES & NOZZLE, ADD 385 CFM AIR COMPRESSOR)	385CFM A		$34,037	4.39	1.69	2.21	0.58	0.00	9
	W25KZ007	TORBO XL320	WATER BLASTER, WET ABRASIVE BLASTER, 19.0 CF TANK CAP, 170 PSI, W/MIX RUST INHIBATOR INJECTOR,(INCLUDES HOSES & NOZZLE, ADD 385 CFM AIR COMPRESSOR)	385CFM A		$36,312	4.68	1.79	2.36	0.61	0.00	9

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 2 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
W30	**WATER TANKS**												
	SUBCATEGORY 0.10		**PORTABLE WITH WHEELS**										
			SOUTHWEST CONSTRUCTION EQUIPMENT CO.										
	W30SO001	EWT-8C	WATER TANK, PORTABLE, TRAILER MTD, SELF ELEVATING, 8000 GAL, 10" PIPE	8HP	G		$42,287	7.42	1.99	2.70	0.64	0.89	130
	W30SO002	EWT-10C	WATER TANK, PORTABLE, TRAILER MTD, SELF ELEVATING, 10000 GAL, 10" PIPE	8HP	G		$50,291	8.56	2.38	3.23	0.76	0.89	170
	W30SO003	EWT-12C	WATER TANK, PORTABLE, TRAILER MTD, SELF ELEVATING, 12000 GAL, 10" PIPE	8HP	G		$54,728	9.20	2.60	3.53	0.83	0.89	185
	SUBCATEGORY 0.20		**SKID MOUNTED**										
			SOUTHWEST CONSTRUCTION EQUIPMENT CO.										
	W30SO004	WST-8	WATER TANK, PORTABLE, SKID MTD, 8000 GAL, 10" PIPE				$26,789	3.58	1.31	1.79	0.41	0.00	107
	W30SO005	WST-10	WATER TANK, PORTABLE, SKID MTD, 10000 GAL, 10" PIPE				$29,886	3.97	1.45	1.99	0.45	0.00	122
	W30SO006	WST-12	WATER TANK, PORTABLE, SKID MTD, 12000 GAL, 10" PIPE				$34,462	4.59	1.67	2.30	0.52	0.00	142
W35	**WELDERS**												
	SUBCATEGORY 0.10		**ENGINE DRIVEN**										
			NO SPECIFIC MANUFACTURER										
	W35XX020	GAS 150 AC	WELDER, ENGINE DRIVEN, GAS, AC, 150 AMP, 4.5 KW, PORTABLE, SKID MTD	11HP	G		$2,034	2.35	0.13	0.19	0.03	1.50	2
	W35XX021	GAS 225 AC/DC-CC	WELDER, ENGINE DRIVEN, GAS, AC/DC-CC, 225 AMP, 5-8 KW, TRAILER MTD	17HP	G		$5,367	4.12	0.34	0.49	0.09	2.31	6
	W35XX022	GAS 250 AC/DC-CC/CV	WELDER, ENGINE DRIVEN, GAS, AC/DC-CC/CV, 250 AMP, 9 KW, TRAILER MTD	18HP	G		$5,532	4.34	0.35	0.51	0.09	2.45	6
	W35XX023	GAS 300 DC-CC	WELDER, ENGINE DRIVEN, GAS, DC-CC, 300 AMP, 3 KW, TRAILER MTD	45HP	G		$9,521	9.87	0.59	0.88	0.15	6.12	14
	W35XX024	DIESEL 400 DC-CC/CV	WELDER, ENGINE DRIVEN, DIESEL, DC-CC/CV, 400 AMP, 2-10 KW, TRAILER MTD	48HP	D-off		$14,055	6.89	0.88	1.30	0.23	2.99	21

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 2 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 2002 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
W35			*NO SPECIFIC MANUFACTURER (continued)*										
	W35XX025	DIESEL 500 DC-CC/CV	WELDER, ENGINE DRIVEN, DIESEL, DC-CC/CV, 500 AMP, 4 KW, TRAILER MTD	42HP	D-off		$13,506	6.30	0.85	1.25	0.22	2.62	18
	SUBCATEGORY 0.20		**ELECTRIC DRIVEN**										
			LINCOLN ELECTRIC COMPANY										
	W35LC018	SP-175T	WELDER, ELECTRIC DRIVEN, 170 AMP, WIRE FEEDER	5HP	E		$864	0.37	0.07	0.12	0.01	0.11	1
	W35LC010	LINCWELD 225/125	WELDER, ELECTRIC DRIVEN, 225 AMP, STICK	15HP	E		$462	0.59	0.04	0.06	0.01	0.32	1
	W35LC011	IDEAL ARC R3R-300	WELDER, ELECTRIC DRIVEN, 300 AMP, STICK	27HP	E		$2,578	1.46	0.21	0.34	0.04	0.57	4
	W35LC012	IDEAL ARC R3R-400	WELDER, ELECTRIC DRIVEN, 400 AMP, STICK	35HP	E		$2,964	1.82	0.25	0.40	0.05	0.74	5
	W35LC013	IDEAL ARC R3R-500	WELDER, ELECTRIC DRIVEN, 500 AMP, STICK	41HP	E		$2,964	1.99	0.25	0.40	0.05	0.86	5
	W35LC020	PROCUT 80	WELDER, ELECTRIC DRIVEN, CUTTING TORCH, 85 AMP, PLASMA	26HP	E		$3,379	1.64	0.29	0.45	0.06	0.55	1

Table 2-2. Hourly Rate Elements

This Table Contains All Hourly Rate Elements as

Described in Chapter 2

For

Average and Severe Operating Conditions.

Refer to Chapter 2, Section II. Operating Condition

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
A10																	
	A10AR001	0.50	0.06	0.00	0.00	0.00	0.00	0.41	0.97								
	A10AR002	1.24	0.15	0.00	0.20	0.00	0.00	1.02	2.61								
	A10RS003	8.56	1.38	8.48	2.30	0.40	0.06	8.86	30.04								
	A10RS004	8.86	1.43	8.48	2.30	0.40	0.06	9.16	30.69								
	A10RS005	9.22	1.48	8.48	2.30	0.40	0.06	9.53	31.47								
	A10RS006	9.57	1.54	8.48	2.30	0.40	0.06	9.89	32.24								
	A10RS007	8.75	1.41	8.48	2.30	0.40	0.06	9.05	30.45								
	A10RS008	15.82	2.56	11.99	3.26	0.81	0.13	16.37	50.94								
	A10SE001	1.58	0.19	0.00	0.00	0.00	0.00	1.30	3.07								
	A10SE002	1.95	0.24	0.00	0.00	0.00	0.00	1.61	3.80								
A15																	
	A15IA001	1.59	0.31	3.31	1.05	0.04	0.01	1.66	7.97								
	A15IA002	3.46	0.67	6.49	2.06	0.05	0.01	3.59	16.33								
	A15IA003	4.11	0.80	10.27	3.26	0.14	0.02	4.27	22.87								
	A15IA004	4.11	0.80	10.27	3.26	0.14	0.02	4.27	22.87								
	A15IA005	4.11	0.80	10.27	3.26	0.14	0.02	4.27	22.87								
	A15IA006	9.06	1.77	17.71	5.63	0.28	0.04	9.43	43.92								
	A15IA007	9.51	1.86	17.71	5.63	0.28	0.04	9.89	44.92								
	A15IA008	7.17	1.40	19.78	6.29	0.28	0.04	7.46	42.42								
	A15IA009	7.17	1.40	18.30	5.82	0.28	0.04	7.46	40.47								
	A15IA010	12.88	2.51	23.62	7.51	0.28	0.04	13.39	60.23								
	A15SR002	11.15	2.18	25.98	8.26	0.42	0.07	11.60	59.66								
	A15SR004	1.13	0.22	4.61	1.47	0.04	0.01	1.18	8.66								
	A15SR005	1.51	0.29	4.72	1.50	0.04	0.01	1.57	9.64								
	A15SR006	1.03	0.20	4.49	1.43	0.04	0.01	1.07	8.27								
	A15SR007	1.03	0.20	4.55	1.45	0.04	0.01	1.07	8.35								
	A15SR008	2.38	0.47	7.26	2.31	0.14	0.02	2.48	15.06								
	A15SR009	2.38	0.47	7.32	2.33	0.14	0.02	2.48	15.14								
	A15SR010	4.33	0.86	13.58	4.32	0.28	0.04	4.51	27.92								
	A15SR011	4.98	0.98	17.71	5.63	0.28	0.04	5.19	34.81								
	A15SR012	4.89	0.96	17.71	5.63	0.28	0.04	5.10	34.61								
	A15SR013	9.29	1.81	26.57	8.44	0.28	0.04	9.66	56.09								
	A15SR014	9.80	1.93	26.57	8.44	0.57	0.09	10.22	57.62								
	A15SR015	9.52	1.88	31.00	9.85	0.57	0.09	9.92	62.83								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
A15	***cont.***																
	A15XX019	0.67	0.13	3.86	1.40	0.04	0.01	0.69	6.80								
	A15XX020	1.29	0.25	1.77	0.56	0.04	0.01	1.34	5.26								
	A15XX021	0.89	0.17	6.43	2.33	0.04	0.01	0.93	10.80								
	A15XX022	1.33	0.26	2.07	0.66	0.04	0.01	1.38	5.75								
	A15XX023	0.94	0.18	8.35	3.03	0.04	0.01	0.98	13.53								
	A15XX024	1.50	0.29	2.95	0.94	0.04	0.01	1.56	7.29								
	A15XX025	1.03	0.20	7.71	2.80	0.04	0.01	1.07	12.86								
	A15XX026	1.67	0.33	4.13	1.31	0.04	0.01	1.74	9.23								
	A15XX027	1.07	0.21	11.57	4.20	0.04	0.01	1.11	18.21								
	A15XX028	1.71	0.33	4.72	1.50	0.04	0.01	1.78	10.09								
	A15XX029	1.16	0.23	9.00	3.26	0.04	0.01	1.20	14.90								
	A15XX030	2.27	0.44	5.02	1.60	0.05	0.01	2.36	11.75								
	A15XX031	3.33	0.65	6.49	2.06	0.05	0.01	3.46	16.05								
	A15XX032	3.00	0.59	6.79	2.16	0.14	0.02	3.12	15.82								
	A15XX033	3.93	0.78	10.04	3.19	0.28	0.04	4.10	22.36								
	A15XX034	5.51	1.08	14.76	4.69	0.28	0.04	5.74	32.10								
	A15XX035	5.89	1.16	16.24	5.16	0.28	0.04	6.13	34.90								
	A15XX036	6.35	1.25	16.24	5.16	0.28	0.04	6.61	35.93								
	A15XX037	6.81	1.33	18.30	5.82	0.28	0.04	7.09	39.67								
	A15XX038	10.38	2.02	21.25	6.75	0.28	0.04	10.80	51.52								
	A15XX039	10.81	2.11	27.16	8.63	0.38	0.06	11.25	60.40								
	A15XX040	11.69	2.28	29.52	9.38	0.38	0.06	12.16	65.47								
	A15XX041	0.15	0.03	0.26	0.13	0.00	0.00	0.13	0.70								
	A15XX042	0.20	0.04	0.37	0.19	0.00	0.00	0.17	0.97								
	A15XX043	0.31	0.06	0.53	0.27	0.00	0.00	0.26	1.43								
	A15XX044	0.36	0.07	0.79	0.40	0.00	0.00	0.30	1.92								
	A15XX045	0.51	0.11	1.31	0.67	0.00	0.00	0.44	3.04								
	A15XX046	0.63	0.13	1.58	0.81	0.00	0.00	0.53	3.68								
A20																	
	A20CK001	0.24	0.02	0.00	0.00	0.00	0.00	0.44	0.70								
	A20CK002	0.14	0.01	0.00	0.00	0.00	0.00	0.25	0.40								
	A20CK003	0.26	0.03	0.00	0.00	0.00	0.00	0.49	0.78								
	A20CK005	0.33	0.03	0.00	0.00	0.00	0.00	0.61	0.97								
	A20CK006	0.18	0.02	0.00	0.00	0.00	0.00	0.34	0.54								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
A20	***cont.***																
	A20CK008	0.20	0.02	0.00	0.00	0.00	0.00	0.37	0.59								
	A20CK010	0.22	0.02	0.00	0.00	0.00	0.00	0.40	0.64								
	A20CM010	0.47	0.05	0.00	0.06	0.00	0.00	0.86	1.44								
	A20CM011	0.52	0.05	0.00	0.06	0.00	0.00	0.96	1.59								
	A20CM012	0.57	0.06	0.00	0.13	0.00	0.00	1.04	1.80								
	A20CM013	2.32	0.25	0.00	0.28	0.08	0.01	4.30	7.24								
	A20CM014	2.61	0.29	0.00	0.41	0.24	0.04	4.85	8.44								
	A20CM015	2.79	0.31	0.00	0.50	0.26	0.04	5.19	9.09								
	A20CM016	1.90	0.20	0.00	0.30	0.00	0.00	3.50	5.90								
	A20CM017	0.13	0.01	0.00	0.00	0.00	0.00	0.25	0.39								
	A20CM018	0.18	0.01	0.00	0.00	0.00	0.00	0.34	0.53								
	A20CM019	0.22	0.01	0.00	0.00	0.00	0.00	0.42	0.65								
	A20CM020	0.19	0.01	0.00	0.00	0.00	0.00	0.37	0.57								
	A20WC002	0.22	0.02	0.09	0.19	0.00	0.00	0.41	0.93								
	A20WC004	0.62	0.06	0.45	0.16	0.00	0.00	1.14	2.43								
	A20XX001	0.32	0.02	0.00	0.00	0.00	0.00	0.57	0.91								
	A20XX002	0.38	0.02	0.00	0.00	0.00	0.00	0.66	1.06								
	A20XX003	0.47	0.03	0.00	0.00	0.00	0.00	0.82	1.32								
	A20XX004	0.61	0.04	0.00	0.00	0.00	0.00	1.07	1.72								
	A20XX005	0.86	0.05	0.00	0.00	0.00	0.00	1.51	2.42								
	A20XX006	1.06	0.07	0.00	0.00	0.00	0.00	1.85	2.98								
	A20XX007	1.30	0.08	0.00	0.00	0.00	0.00	2.28	3.66								
	A20XX008	1.74	0.11	0.00	0.00	0.00	0.00	3.04	4.89								
	A20XX021	0.17	0.02	0.00	0.00	0.00	0.00	0.31	0.50								
	A20XX022	0.19	0.02	0.00	0.00	0.00	0.00	0.36	0.57								
	A20XX023	0.23	0.02	0.00	0.00	0.00	0.00	0.43	0.68								
	A20XX024	0.24	0.02	0.00	0.00	0.00	0.00	0.44	0.70								
	A20XX025	0.34	0.04	0.00	0.00	0.00	0.00	0.63	1.01								
A25																	
	A25RS006	6.42	0.66	0.00	1.16	0.00	0.00	6.66	14.90								
	A25RS008	7.38	0.76	0.00	1.80	0.00	0.00	7.66	17.60								
	A25XX001	6.74	0.69	0.00	0.64	0.00	0.00	7.00	15.07								
	A25XX002	7.82	0.81	0.00	1.51	0.00	0.00	8.12	18.26								
	A25XX003	8.54	0.88	0.00	2.09	0.00	0.00	8.87	20.38								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
A30																	
	A30BG003	36.46	5.40	8.81	4.30	2.16	0.35	47.35	104.83								
	A30BG004	32.41	4.66	6.25	3.49	0.00	0.00	41.91	88.72								
	A30BG005	37.61	5.41	8.81	4.30	0.00	0.00	48.62	104.75								
	A30BG007	28.34	4.14	5.46	3.24	0.86	0.14	36.72	78.90								
	A30BG008	23.28	3.41	5.97	1.90	0.86	0.14	30.17	65.73								
	A30BG009	30.46	4.48	7.75	2.46	1.63	0.26	39.52	86.56								
	A30BK010	13.92	2.04	2.62	0.83	0.68	0.11	18.05	38.25								
	A30BK011	25.72	3.76	5.97	1.90	0.86	0.14	33.34	71.69								
	A30BK013	26.96	3.95	8.09	2.57	1.15	0.18	34.95	77.85								
	A30BK015	30.98	4.55	10.26	3.26	1.53	0.25	40.19	91.02								
	A30BK017	33.43	4.81	10.26	3.26	0.00	0.00	43.22	94.98								
	A30BK018	33.98	4.89	10.26	3.26	0.00	0.00	43.93	96.32								
	A30BK019	20.04	2.92	5.85	1.86	0.50	0.08	25.96	57.21								
	A30BK020	25.96	3.78	9.65	3.07	0.60	0.10	33.62	76.78								
	A30BK021	34.02	4.89	9.81	3.12	0.00	0.00	43.98	95.82								
	A30BK022	25.19	3.70	8.09	2.57	1.15	0.18	32.66	73.54								
	A30BK023	28.56	4.11	8.09	2.57	0.00	0.00	36.93	80.26								
	A30BK024	24.65	4.81	9.35	2.97	0.58	0.09	27.14	69.59								
	A30CA001	5.64	0.81	1.95	0.62	0.00	0.00	7.29	16.31								
	A30CA002	26.56	3.89	5.97	1.90	1.14	0.18	34.44	74.08								
	A30CA007	8.44	1.65	5.44	1.73	0.32	0.05	9.30	26.93								
	A30CA008	30.87	4.53	9.70	3.08	1.47	0.24	40.03	89.92								
	A30CA009	38.81	5.58	9.65	3.07	0.00	0.00	50.18	107.29								
	A30CA013	27.30	3.93	6.75	2.15	0.00	0.00	35.30	75.43								
	A30CA014	27.76	4.09	8.53	2.71	1.63	0.26	36.03	81.01								
	A30CA015	45.95	6.61	9.70	3.08	0.00	0.00	59.42	124.76								
	A30CA016	35.55	5.12	9.65	3.07	0.00	0.00	45.96	99.35								
	A30CH001	24.74	3.62	6.13	1.95	0.86	0.14	32.07	69.51								
	A30CH002	26.98	3.95	8.48	2.69	1.15	0.18	34.98	78.41								
	A30CH003	27.64	3.98	8.48	2.69	0.00	0.00	35.73	78.52								
	A30CH004	28.42	4.17	8.48	2.69	1.24	0.20	36.85	82.05								
	A30CH005	30.96	4.55	9.65	3.07	1.57	0.25	40.16	90.21								
	A30CH006	36.93	5.31	11.15	3.54	0.00	0.00	47.75	104.68								
	A30EJ001	20.72	3.05	7.25	2.30	0.96	0.15	26.88	61.31								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
A30	***cont.***																
	A30EJ002	23.62	3.40	7.25	2.30	0.00	0.00	30.53	67.10								
	A30EJ003	24.01	3.56	9.59	3.05	1.63	0.26	31.19	73.29								
	A30EJ004	27.29	3.93	9.59	3.05	0.00	0.00	35.28	79.14								
	A30EJ005	26.19	3.99	9.59	3.05	2.92	0.47	34.15	80.36								
	A30EJ006	30.27	4.36	9.59	3.05	0.00	0.00	39.13	86.40								
	A30GC001	2.99	0.44	2.98	1.08	0.07	0.01	3.88	11.45								
	A30GC002	3.32	0.48	1.39	0.44	0.07	0.01	4.30	10.01								
	A30GC003	4.26	0.61	2.98	1.08	0.00	0.00	5.51	14.44								
	A30GC004	4.62	0.66	2.29	0.73	0.00	0.00	5.97	14.27								
	A30LD001	9.65	1.90	5.59	1.78	0.44	0.07	10.65	30.08								
	A30MP001	9.41	1.82	4.07	1.29	0.00	0.00	10.34	26.93								
	A30MP002	12.22	2.36	5.08	1.61	0.00	0.00	13.43	34.70								
	A30RT001	36.15	6.97	13.98	4.44	0.03	0.00	39.72	101.29								
	A30RT002	37.82	7.30	13.98	4.44	0.13	0.02	41.56	105.25								
	A30XX001	8.56	1.99	5.23	1.40	0.63	0.10	6.49	24.40								
	A30XX002	9.97	2.27	5.23	1.40	0.00	0.00	7.53	26.40								
A35																	
	A35AE001	1.17	0.15	0.56	2.15	0.03	0.00	1.30	5.36								
	A35AE002	1.21	0.15	0.56	2.85	0.03	0.00	1.34	6.14								
	A35AE003	1.31	0.16	0.56	3.20	0.02	0.00	1.45	6.70								
	A35AE004	1.43	0.18	0.56	4.10	0.02	0.00	1.58	7.87								
	A35AE005	1.54	0.20	0.56	6.30	0.06	0.01	1.71	10.38								
A40																	
	A40CA008	57.89	7.10	36.90	11.73	0.00	0.00	79.52	193.14								
	A40CA009	85.00	10.42	46.13	14.66	0.00	0.00	116.77	272.98								
	A40CW001	102.54	12.57	59.04	18.76	0.00	0.00	140.86	333.77								
	A40RT001	38.59	4.80	16.97	5.39	0.65	0.10	53.17	119.67								
	A40RT002	51.27	6.28	18.45	5.86	0.00	0.00	70.44	152.30								
	A40RT003	63.46	7.78	33.95	10.79	0.00	0.00	87.18	203.16								
	A40RT004	81.39	9.98	59.04	18.76	0.00	0.00	111.80	280.97								
	A40RT005	86.68	10.62	59.04	18.76	0.00	0.00	119.07	294.17								
	A40RT006	96.00	11.77	59.04	18.76	0.00	0.00	131.87	317.44								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
A45																	
	A45AE001	1.26	0.14	0.00	7.10	0.02	0.00	1.57	10.09								
	A45AE002	2.49	0.26	0.00	14.25	0.02	0.00	3.09	20.11								
	A45AE003	2.95	0.31	0.00	16.85	0.02	0.00	3.65	23.78								
	A45RS001	6.00	0.64	4.32	1.87	0.05	0.01	7.43	20.32								
	A45RS002	19.77	2.07	13.74	4.87	0.00	0.00	24.45	64.90								
	A45SE002	3.93	0.42	2.23	2.06	0.04	0.01	4.86	13.55								
	A45SE003	5.48	0.58	1.53	2.49	0.07	0.01	6.79	16.95								
	A45SE004	2.74	0.30	1.45	1.03	0.09	0.01	3.42	9.04								
B10																	
	B10CC007	3.06	0.50	2.01	3.73	0.12	0.02	4.23	13.67								
	B10CC008	6.79	1.12	18.18	10.09	0.60	0.10	9.41	46.29								
	B10CC009	9.05	1.51	22.30	11.84	1.06	0.17	12.58	58.51								
	B10CC010	9.93	1.65	22.30	12.09	1.06	0.17	13.80	61.00								
	B10CC011	1.97	0.31	0.91	1.46	0.00	0.00	2.71	7.36								
	B10CC012	1.95	0.31	2.01	1.48	0.00	0.00	2.68	8.43								
	B10CC013	2.35	0.37	2.01	1.53	0.00	0.00	3.23	9.49								
	B10CC014	0.61	0.10	0.23	0.62	0.00	0.00	0.84	2.40								
	B10CL005	16.12	2.62	5.46	4.79	0.63	0.10	22.29	52.01								
	B10CL006	19.64	3.18	5.46	4.79	0.63	0.10	27.12	60.92								
	B10CL015	13.59	2.22	1.37	3.20	0.60	0.10	18.79	39.87								
	B10CL021	7.20	1.18	1.59	0.81	0.33	0.05	9.97	21.13								
	B10CL025	24.58	3.91	9.10	4.64	0.23	0.04	33.82	76.32								
	B10CL027	1.74	0.27	0.00	0.00	0.00	0.00	2.39	4.40								
	B10CL032	0.37	0.06	0.46	0.23	0.00	0.00	0.51	1.63								
	B10CL034	0.74	0.12	0.91	0.46	0.00	0.00	1.01	3.24								
	B10CL036	0.31	0.05	0.36	0.18	0.00	0.00	0.42	1.32								
	B10CL040	0.42	0.07	0.91	0.46	0.00	0.00	0.58	2.44								
	B10CL042	0.28	0.04	0.23	0.12	0.00	0.00	0.39	1.06								
	B10CL045	0.36	0.06	0.46	0.23	0.00	0.00	0.49	1.60								
	B10EM001	35.44	5.73	2.79	3.51	1.13	0.18	48.92	97.70								
	B10EM002	1.95	0.35	0.46	1.23	0.36	0.06	2.76	7.17								
	B10EM003	2.22	0.35	0.00	0.00	0.00	0.00	3.05	5.62								
	B10KB001	10.07	1.98	4.32	2.20	0.36	0.06	13.89	32.88								
	B10KB002	18.17	3.55	10.01	5.11	0.39	0.06	25.02	62.31								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
B10	***cont.***																
	B10RC006	16.51	2.70	2.07	5.56	0.77	0.12	22.85	50.58								
	B10RC007	11.48	1.86	0.68	2.85	0.43	0.07	15.86	33.23								
	B10RC008	14.03	2.27	1.37	3.20	0.43	0.07	19.36	40.73								
	B10RC016	20.57	3.34	3.41	7.24	0.77	0.12	28.42	63.87								
	B10RC027	13.24	2.09	1.82	2.93	0.00	0.00	18.19	38.27								
	B10RC028	14.87	2.35	2.73	3.64	0.00	0.00	20.43	44.02								
	B10RC029	16.79	2.65	3.64	4.36	0.00	0.00	23.07	50.51								
	B10RC030	18.28	2.89	4.55	6.07	0.00	0.00	25.12	56.91								
	B10RC031	19.29	3.04	5.46	6.79	0.00	0.00	26.50	61.08								
	B10RC032	18.20	2.97	2.28	5.66	0.77	0.12	25.16	55.16								
	B10SN031	3.61	0.67	0.68	1.70	0.79	0.13	5.13	12.71								
	B10SN032	9.55	1.61	1.37	2.45	0.80	0.13	13.29	29.20								
	B10SN033	7.90	1.35	1.37	2.20	0.79	0.13	11.03	24.77								
	B10SN034	9.22	1.56	0.91	1.96	0.80	0.13	12.84	27.42								
	B10SN035	10.23	1.71	0.91	2.11	0.80	0.13	14.23	30.12								
	B10SN036	12.69	2.10	2.05	2.80	0.80	0.13	17.61	38.18								
B15																	
	B15BM001	2.90	0.38	4.07	1.29	0.00	0.00	3.04	11.68								
	B15EC001	16.37	2.19	4.64	1.47	0.60	0.10	17.14	42.51								
	B15EC002	11.66	1.56	5.08	1.61	0.31	0.05	12.21	32.48								
	B15FS001	16.50	2.18	11.69	3.72	0.07	0.01	17.25	51.42								
	B15JS002	15.81	2.12	9.66	3.07	0.55	0.09	16.56	47.86								
	B15MB001	0.71	0.09	0.00	0.10	0.00	0.00	0.74	1.64								
	B15MB002	0.91	0.12	0.00	0.14	0.00	0.00	0.96	2.13								
	B15MB003	1.29	0.17	0.00	0.24	0.04	0.01	1.35	3.10								
	B15MB004	1.49	0.20	2.01	0.55	0.04	0.01	1.56	5.86								
	B15RS001	3.60	0.48	4.32	1.37	0.08	0.01	3.77	13.63								
	B15RS005	4.63	0.61	4.07	1.29	0.05	0.01	4.84	15.50								
	B15TB001	2.27	0.30	1.88	0.60	0.05	0.01	2.38	7.49								
	B15TB002	2.29	0.30	2.29	0.73	0.05	0.01	2.40	8.07								
	B15WD001	2.76	0.37	4.07	1.29	0.08	0.01	2.89	11.47								
	B15WD002	2.90	0.39	4.07	1.29	0.08	0.01	3.04	11.78								
B20																	
	B20BN001	1.03	0.14	2.79	1.01	0.02	0.00	1.21	6.20								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
B20	***cont.***																
	B20BN002	1.63	0.22	4.13	1.50	0.04	0.01	1.92	9.45								
	B20BN003	2.05	0.27	7.92	2.87	0.05	0.01	2.41	15.58								
	B20BN004	3.13	0.42	6.36	2.02	0.05	0.01	3.68	15.67								
	B20BN005	1.76	0.24	7.81	2.83	0.05	0.01	2.08	14.78								
	B20BN006	1.97	0.26	13.27	4.81	0.05	0.01	2.31	22.68								
	B20BN007	3.51	0.48	6.36	2.02	0.22	0.04	4.14	16.77								
	B20MQ001	2.02	0.27	4.37	1.39	0.03	0.00	2.38	10.46								
	B20MQ003	2.80	0.37	6.36	2.02	0.05	0.01	3.30	14.91								
	B20MQ004	3.21	0.43	6.36	2.02	0.14	0.02	3.78	15.96								
	B20MQ005	36.22	4.82	33.05	12.00	0.60	0.10	42.62	129.41								
B25																	
	B25HB001	1.76	0.23	0.00	0.00	0.00	0.00	1.60	3.59	2.16	0.24	0.00	0.00	0.00	0.00	2.24	4.64
	B25HB003	2.82	0.37	0.00	0.00	0.00	0.00	2.56	5.75	3.47	0.38	0.00	0.00	0.00	0.00	3.61	7.46
	B25HB005	3.66	0.48	0.00	0.00	0.00	0.00	3.32	7.46	4.51	0.50	0.00	0.00	0.00	0.00	4.68	9.69
	B25HB007	4.32	0.57	0.00	0.00	0.00	0.00	3.92	8.81	5.32	0.59	0.00	0.00	0.00	0.00	5.52	11.43
	B25HB008	5.04	0.66	0.00	0.00	0.00	0.00	4.57	10.27	6.20	0.68	0.00	0.00	0.00	0.00	6.44	13.32
	B25HB009	5.55	0.73	0.00	0.00	0.00	0.00	5.04	11.32	6.83	0.75	0.00	0.00	0.00	0.00	7.09	14.67
	B25HB010	5.81	0.77	0.00	0.00	0.00	0.00	5.28	11.86	7.15	0.79	0.00	0.00	0.00	0.00	7.42	15.36
	B25HB011	5.96	0.78	0.00	0.00	0.00	0.00	5.41	12.15	7.33	0.81	0.00	0.00	0.00	0.00	7.61	15.75
	B25HB012	6.29	0.83	0.00	0.00	0.00	0.00	5.71	12.83	7.74	0.85	0.00	0.00	0.00	0.00	8.03	16.62
	B25HB013	6.49	0.85	0.00	0.00	0.00	0.00	5.89	13.23	7.98	0.88	0.00	0.00	0.00	0.00	8.29	17.15
	B25HB014	6.78	0.89	0.00	0.00	0.00	0.00	6.16	13.83	8.35	0.92	0.00	0.00	0.00	0.00	8.66	17.93
	B25HB015	7.01	0.92	0.00	0.00	0.00	0.00	6.36	14.29	8.62	0.95	0.00	0.00	0.00	0.00	8.95	18.52
	B25XX001	0.79	0.10	0.00	0.00	0.00	0.00	0.72	1.61	0.98	0.11	0.00	0.00	0.00	0.00	1.01	2.10
	B25XX002	1.17	0.15	0.00	0.00	0.00	0.00	1.06	2.38	1.44	0.16	0.00	0.00	0.00	0.00	1.49	3.09
	B25XX003	1.44	0.19	0.00	0.00	0.00	0.00	1.30	2.93	1.77	0.19	0.00	0.00	0.00	0.00	1.84	3.80
	B25XX004	1.57	0.21	0.00	0.00	0.00	0.00	1.42	3.20	1.93	0.21	0.00	0.00	0.00	0.00	2.00	4.14
	B25XX005	1.83	0.24	0.00	0.00	0.00	0.00	1.66	3.73	2.25	0.25	0.00	0.00	0.00	0.00	2.34	4.84
	B25XX006	2.05	0.27	0.00	0.00	0.00	0.00	1.86	4.18	2.52	0.28	0.00	0.00	0.00	0.00	2.61	5.41
	B25XX007	2.19	0.29	0.00	0.00	0.00	0.00	1.99	4.47	2.69	0.30	0.00	0.00	0.00	0.00	2.79	5.78
	B25XX008	2.56	0.34	0.00	0.00	0.00	0.00	2.32	5.22	3.15	0.35	0.00	0.00	0.00	0.00	3.27	6.77
	B25XX009	2.67	0.35	0.00	0.00	0.00	0.00	2.42	5.44	3.29	0.36	0.00	0.00	0.00	0.00	3.41	7.06
	B25XX010	2.84	0.37	0.00	0.00	0.00	0.00	2.58	5.79	3.50	0.39	0.00	0.00	0.00	0.00	3.63	7.52
	B25XX011	2.97	0.39	0.00	0.00	0.00	0.00	2.70	6.06	3.66	0.40	0.00	0.00	0.00	0.00	3.80	7.86

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
B25	***cont.***																
	B25XX012	3.32	0.44	0.00	0.00	0.00	0.00	3.02	6.78	4.09	0.45	0.00	0.00	0.00	0.00	4.25	8.79
	B25XX013	4.49	0.59	0.00	0.00	0.00	0.00	4.08	9.16	5.53	0.61	0.00	0.00	0.00	0.00	5.74	11.88
	B25XX014	4.80	0.63	0.00	0.00	0.00	0.00	4.35	9.78	5.90	0.65	0.00	0.00	0.00	0.00	6.13	12.68
	B25XX015	5.83	0.77	0.00	0.00	0.00	0.00	5.30	11.90	7.18	0.79	0.00	0.00	0.00	0.00	7.45	15.42
	B25XX016	5.87	0.77	0.00	0.00	0.00	0.00	5.33	11.97	7.23	0.80	0.00	0.00	0.00	0.00	7.50	15.53
	B25XX017	6.35	0.84	0.00	0.00	0.00	0.00	5.76	12.95	7.81	0.86	0.00	0.00	0.00	0.00	8.10	16.77
	B25XX018	6.00	0.79	0.00	0.00	0.00	0.00	5.45	12.24	7.38	0.81	0.00	0.00	0.00	0.00	7.66	15.85
	B25XX019	6.73	0.89	0.00	0.00	0.00	0.00	6.11	13.73	8.29	0.91	0.00	0.00	0.00	0.00	8.60	17.80
B30																	
	B30CR001	0.48	0.06	0.00	0.00	0.00	0.00	0.47	1.01								
	B30CR002	0.52	0.06	0.00	0.00	0.00	0.00	0.51	1.09								
	B30CR003	0.56	0.07	0.00	0.00	0.00	0.00	0.55	1.18								
	B30CR004	0.57	0.07	0.00	0.00	0.00	0.00	0.56	1.20								
	B30CR005	0.67	0.08	0.00	0.00	0.00	0.00	0.66	1.41								
	B30CR006	0.79	0.10	0.00	0.00	0.00	0.00	0.78	1.67								
	B30CR009	0.71	0.09	0.00	0.00	0.00	0.00	0.70	1.50								
	B30CR010	0.83	0.10	0.00	0.00	0.00	0.00	0.82	1.75								
	B30CR011	0.99	0.12	0.00	0.00	0.00	0.00	0.97	2.08								
	B30CR012	1.14	0.14	0.00	0.00	0.00	0.00	1.12	2.40								
	B30GB001	0.36	0.04	0.00	0.00	0.00	0.00	0.31	0.71								
	B30GB002	0.47	0.06	0.00	0.00	0.00	0.00	0.40	0.93								
	B30GB003	0.58	0.07	0.00	0.00	0.00	0.00	0.50	1.15								
	B30GB004	0.84	0.10	0.00	0.00	0.00	0.00	0.72	1.66								
	B30GB005	1.00	0.12	0.00	0.00	0.00	0.00	0.86	1.98								
	B30GB006	1.85	0.22	0.00	0.00	0.00	0.00	1.70	3.77								
	B30GB007	1.99	0.24	0.00	0.00	0.00	0.00	1.83	4.06								
	B30GB008	2.21	0.27	0.00	0.00	0.00	0.00	2.04	4.52								
	B30GB009	2.51	0.30	0.00	0.00	0.00	0.00	2.32	5.13								
	B30GB010	3.09	0.37	0.00	0.00	0.00	0.00	2.85	6.31								
	B30GB011	1.46	0.18	0.00	0.00	0.00	0.00	1.44	3.08								
	B30GB012	1.52	0.18	0.00	0.00	0.00	0.00	1.49	3.19								
	B30GB013	1.57	0.19	0.00	0.00	0.00	0.00	1.54	3.30								
	B30GB014	2.04	0.25	0.00	0.00	0.00	0.00	2.01	4.30								
	B30GB015	2.11	0.26	0.00	0.00	0.00	0.00	2.08	4.45								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
B30	***cont.***																
	B30GB016	3.03	0.37	0.00	0.00	0.00	0.00	2.98	6.38								
	B30GB017	3.66	0.44	0.00	0.00	0.00	0.00	3.59	7.69								
B35																	
	B35HE001	0.57	0.08	0.00	0.00	0.00	0.00	0.52	1.17	0.70	0.08	0.00	0.00	0.00	0.00	0.73	1.51
	B35HE002	0.68	0.09	0.00	0.00	0.00	0.00	0.61	1.38	0.83	0.09	0.00	0.00	0.00	0.00	0.86	1.78
	B35HE003	0.89	0.12	0.00	0.00	0.00	0.00	0.81	1.82	1.10	0.12	0.00	0.00	0.00	0.00	1.14	2.36
	B35HE004	1.05	0.14	0.00	0.00	0.00	0.00	0.95	2.14	1.29	0.14	0.00	0.00	0.00	0.00	1.34	2.77
	B35HE005	1.24	0.16	0.00	0.00	0.00	0.00	1.12	2.52	1.52	0.17	0.00	0.00	0.00	0.00	1.58	3.27
	B35HE006	1.52	0.20	0.00	0.00	0.00	0.00	1.38	3.10	1.88	0.21	0.00	0.00	0.00	0.00	1.95	4.04
	B35HE007	1.68	0.22	0.00	0.00	0.00	0.00	1.53	3.43	2.07	0.23	0.00	0.00	0.00	0.00	2.15	4.45
	B35HE008	2.05	0.27	0.00	0.00	0.00	0.00	1.86	4.18	2.52	0.28	0.00	0.00	0.00	0.00	2.62	5.42
	B35HE009	2.18	0.29	0.00	0.00	0.00	0.00	1.97	4.44	2.68	0.29	0.00	0.00	0.00	0.00	2.78	5.75
	B35HE010	2.62	0.35	0.00	0.00	0.00	0.00	2.38	5.35	3.23	0.36	0.00	0.00	0.00	0.00	3.35	6.94
	B35HE011	2.85	0.37	0.00	0.00	0.00	0.00	2.58	5.80	3.50	0.39	0.00	0.00	0.00	0.00	3.63	7.52
	B35HE012	3.11	0.41	0.00	0.00	0.00	0.00	2.82	6.34	3.82	0.42	0.00	0.00	0.00	0.00	3.97	8.21
	B35HE013	3.45	0.45	0.00	0.00	0.00	0.00	3.13	7.03	4.24	0.47	0.00	0.00	0.00	0.00	4.40	9.11
	B35HE014	3.98	0.52	0.00	0.00	0.00	0.00	3.61	8.11	4.90	0.54	0.00	0.00	0.00	0.00	5.08	10.52
	B35HE015	4.33	0.57	0.00	0.00	0.00	0.00	3.93	8.83	5.32	0.59	0.00	0.00	0.00	0.00	5.53	11.44
	B35HE016	5.32	0.70	0.00	0.00	0.00	0.00	4.83	10.85	6.55	0.72	0.00	0.00	0.00	0.00	6.80	14.07
	B35HE017	6.12	0.81	0.00	0.00	0.00	0.00	5.56	12.49	7.53	0.83	0.00	0.00	0.00	0.00	7.82	16.18
	B35HE018	0.58	0.09	0.00	0.00	0.00	0.00	0.53	1.20	0.75	0.09	0.00	0.00	0.00	0.00	0.78	1.62
	B35HE019	0.67	0.10	0.00	0.00	0.00	0.00	0.61	1.38	0.86	0.10	0.00	0.00	0.00	0.00	0.89	1.85
	B35HE020	0.91	0.13	0.00	0.00	0.00	0.00	0.82	1.86	1.17	0.14	0.00	0.00	0.00	0.00	1.21	2.52
	B35HE021	1.08	0.16	0.00	0.00	0.00	0.00	0.98	2.22	1.39	0.16	0.00	0.00	0.00	0.00	1.44	2.99
	B35HE022	1.26	0.18	0.00	0.00	0.00	0.00	1.15	2.59	1.63	0.19	0.00	0.00	0.00	0.00	1.69	3.51
	B35HE023	1.49	0.22	0.00	0.00	0.00	0.00	1.35	3.06	1.91	0.22	0.00	0.00	0.00	0.00	1.99	4.12
	B35HE024	1.64	0.24	0.00	0.00	0.00	0.00	1.49	3.37	2.11	0.25	0.00	0.00	0.00	0.00	2.19	4.55
	B35HE025	1.97	0.29	0.00	0.00	0.00	0.00	1.79	4.05	2.53	0.30	0.00	0.00	0.00	0.00	2.63	5.46
	B35HE026	2.11	0.31	0.00	0.00	0.00	0.00	1.91	4.33	2.71	0.32	0.00	0.00	0.00	0.00	2.81	5.84
	B35HE027	2.70	0.39	0.00	0.00	0.00	0.00	2.45	5.54	3.47	0.41	0.00	0.00	0.00	0.00	3.60	7.48
	B35HE028	2.79	0.41	0.00	0.00	0.00	0.00	2.53	5.73	3.59	0.42	0.00	0.00	0.00	0.00	3.72	7.73
	B35HE029	3.18	0.46	0.00	0.00	0.00	0.00	2.89	6.53	4.09	0.48	0.00	0.00	0.00	0.00	4.25	8.82
	B35HE030	3.50	0.51	0.00	0.00	0.00	0.00	3.18	7.19	4.51	0.53	0.00	0.00	0.00	0.00	4.68	9.72
	B35HE031	4.19	0.61	0.00	0.00	0.00	0.00	3.80	8.60	5.39	0.63	0.00	0.00	0.00	0.00	5.59	11.61

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
B35	***cont.***																
	B35HE032	4.46	0.65	0.00	0.00	0.00	0.00	4.05	9.16	5.74	0.67	0.00	0.00	0.00	0.00	5.96	12.37
	B35HE033	5.76	0.84	0.00	0.00	0.00	0.00	5.23	11.83	7.41	0.87	0.00	0.00	0.00	0.00	7.69	15.97
	B35HE034	6.42	0.94	0.00	0.00	0.00	0.00	5.83	13.19	8.25	0.97	0.00	0.00	0.00	0.00	8.57	17.79
	B35HE035	1.97	0.32	0.00	0.00	0.00	0.00	1.79	4.08	2.46	0.32	0.00	0.00	0.00	0.00	2.55	5.33
	B35HE036	2.05	0.33	0.00	0.00	0.00	0.00	1.86	4.24	2.57	0.34	0.00	0.00	0.00	0.00	2.66	5.57
	B35HE037	2.31	0.37	0.00	0.00	0.00	0.00	2.10	4.78	2.89	0.38	0.00	0.00	0.00	0.00	3.00	6.27
	B35HE038	3.14	0.50	0.00	0.00	0.00	0.00	2.85	6.49	3.92	0.52	0.00	0.00	0.00	0.00	4.07	8.51
	B35HE039	3.51	0.56	0.00	0.00	0.00	0.00	3.18	7.25	4.38	0.58	0.00	0.00	0.00	0.00	4.55	9.51
	B35HE040	3.62	0.58	0.00	0.00	0.00	0.00	3.29	7.49	4.53	0.60	0.00	0.00	0.00	0.00	4.70	9.83
	B35HE041	3.88	0.62	0.00	0.00	0.00	0.00	3.52	8.02	4.85	0.64	0.00	0.00	0.00	0.00	5.03	10.52
	B35HE042	4.91	0.79	0.00	0.00	0.00	0.00	4.45	10.15	6.13	0.81	0.00	0.00	0.00	0.00	6.36	13.30
	B35HE043	5.05	0.81	0.00	0.00	0.00	0.00	4.58	10.44	6.31	0.83	0.00	0.00	0.00	0.00	6.55	13.69
	B35HE044	6.41	1.03	0.00	0.00	0.00	0.00	5.82	13.26	8.02	1.06	0.00	0.00	0.00	0.00	8.32	17.40
	B35HE045	6.66	1.07	0.00	0.00	0.00	0.00	6.05	13.78	8.33	1.10	0.00	0.00	0.00	0.00	8.64	18.07
	B35HE046	7.92	1.27	0.00	0.00	0.00	0.00	7.19	16.38	9.90	1.30	0.00	0.00	0.00	0.00	10.28	21.48
	B35HE047	8.49	1.36	0.00	0.00	0.00	0.00	7.71	17.56	10.61	1.40	0.00	0.00	0.00	0.00	11.02	23.03
	B35SA001	1.84	0.24	0.00	0.00	0.00	0.00	1.67	3.75	2.26	0.25	0.00	0.00	0.00	0.00	2.34	4.85
	B35SA003	2.75	0.36	0.00	0.00	0.00	0.00	2.49	5.60	3.38	0.37	0.00	0.00	0.00	0.00	3.51	7.26
	B35SA004	3.77	0.50	0.00	0.00	0.00	0.00	3.42	7.69	4.63	0.51	0.00	0.00	0.00	0.00	4.81	9.95
	B35SA005	4.71	0.62	0.00	0.00	0.00	0.00	4.28	9.61	5.80	0.64	0.00	0.00	0.00	0.00	6.02	12.46
	B35SA006	5.56	0.73	0.00	0.00	0.00	0.00	5.04	11.33	6.84	0.75	0.00	0.00	0.00	0.00	7.10	14.69
	B35SA007	6.25	0.82	0.00	0.00	0.00	0.00	5.67	12.74	7.69	0.85	0.00	0.00	0.00	0.00	7.98	16.52
	B35SA008	7.36	0.97	0.00	0.00	0.00	0.00	6.68	15.01	9.06	1.00	0.00	0.00	0.00	0.00	9.40	19.46
	B35SA009	9.35	1.23	0.00	0.00	0.00	0.00	8.48	19.06	11.50	1.27	0.00	0.00	0.00	0.00	11.94	24.71
	B35SA010	11.41	1.50	0.00	0.00	0.00	0.00	10.35	23.26	14.04	1.55	0.00	0.00	0.00	0.00	14.57	30.16
	B35XX001	2.81	0.37	0.00	0.00	0.00	0.00	2.55	5.73	3.46	0.38	0.00	0.00	0.00	0.00	3.59	7.43
	B35XX002	3.16	0.42	0.00	0.00	0.00	0.00	2.87	6.45	3.89	0.43	0.00	0.00	0.00	0.00	4.04	8.36
	B35XX003	3.50	0.46	0.00	0.00	0.00	0.00	3.17	7.13	4.30	0.47	0.00	0.00	0.00	0.00	4.47	9.24
	B35XX004	3.99	0.53	0.00	0.00	0.00	0.00	3.62	8.14	4.91	0.54	0.00	0.00	0.00	0.00	5.09	10.54
	B35XX005	4.48	0.59	0.00	0.00	0.00	0.00	4.07	9.14	5.51	0.61	0.00	0.00	0.00	0.00	5.72	11.84
	B35XX006	5.51	0.73	0.00	0.00	0.00	0.00	5.01	11.25	6.79	0.75	0.00	0.00	0.00	0.00	7.04	14.58
	B35XX007	2.83	0.41	0.00	0.00	0.00	0.00	2.57	5.81	3.64	0.43	0.00	0.00	0.00	0.00	3.78	7.85
	B35XX008	3.23	0.47	0.00	0.00	0.00	0.00	2.94	6.64	4.16	0.49	0.00	0.00	0.00	0.00	4.32	8.97
	B35XX009	3.48	0.51	0.00	0.00	0.00	0.00	3.16	7.15	4.48	0.53	0.00	0.00	0.00	0.00	4.65	9.66
	B35XX010	4.14	0.60	0.00	0.00	0.00	0.00	3.76	8.50	5.32	0.62	0.00	0.00	0.00	0.00	5.53	11.47

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
B35	***cont.***																
	B35XX011	4.58	0.67	0.00	0.00	0.00	0.00	4.16	9.41	5.89	0.69	0.00	0.00	0.00	0.00	6.11	12.69
	B35XX012	5.81	0.85	0.00	0.00	0.00	0.00	5.27	11.93	7.46	0.88	0.00	0.00	0.00	0.00	7.75	16.09
	B35XX013	0.65	0.10	0.00	0.00	0.00	0.00	0.59	1.34	0.81	0.11	0.00	0.00	0.00	0.00	0.84	1.76
	B35XX014	0.73	0.12	0.00	0.00	0.00	0.00	0.66	1.51	0.91	0.12	0.00	0.00	0.00	0.00	0.94	1.97
	B35XX015	1.08	0.17	0.00	0.00	0.00	0.00	0.98	2.23	1.35	0.18	0.00	0.00	0.00	0.00	1.40	2.93
	B35XX016	1.23	0.20	0.00	0.00	0.00	0.00	1.12	2.55	1.54	0.20	0.00	0.00	0.00	0.00	1.60	3.34
	B35XX017	1.34	0.22	0.00	0.00	0.00	0.00	1.22	2.78	1.68	0.22	0.00	0.00	0.00	0.00	1.74	3.64
	B35XX018	2.86	0.46	0.00	0.00	0.00	0.00	2.60	5.92	3.58	0.47	0.00	0.00	0.00	0.00	3.71	7.76
	B35XX019	3.05	0.49	0.00	0.00	0.00	0.00	2.77	6.31	3.81	0.50	0.00	0.00	0.00	0.00	3.96	8.27
	B35XX020	3.45	0.55	0.00	0.00	0.00	0.00	3.13	7.13	4.31	0.57	0.00	0.00	0.00	0.00	4.47	9.35
	B35XX021	3.74	0.60	0.00	0.00	0.00	0.00	3.40	7.74	4.68	0.62	0.00	0.00	0.00	0.00	4.85	10.15
	B35XX022	4.74	0.76	0.00	0.00	0.00	0.00	4.30	9.80	5.93	0.78	0.00	0.00	0.00	0.00	6.15	12.86
	B35XX023	5.08	0.81	0.00	0.00	0.00	0.00	4.61	10.50	6.35	0.84	0.00	0.00	0.00	0.00	6.59	13.78
C05																	
	C05OL001	0.13	0.01	0.35	0.13	0.00	0.00	0.41	1.03								
	C05OL002	0.20	0.01	0.72	0.26	0.00	0.00	0.66	1.85								
	C05OL003	0.25	0.01	0.80	0.29	0.00	0.00	0.80	2.15								
	C05OL004	0.27	0.01	0.87	0.32	0.00	0.00	0.88	2.35								
C10																	
	C10BO001	0.76	0.05	0.46	0.13	0.00	0.00	1.14	2.54								
	C10BO003	0.53	0.04	0.61	0.17	0.00	0.00	0.78	2.13								
	C10BO004	0.59	0.04	0.92	0.25	0.00	0.00	0.88	2.68								
	C10BO007	2.07	0.14	0.35	0.10	0.00	0.00	3.07	5.73								
	C10BO008	3.04	0.21	0.56	0.15	0.00	0.00	4.51	8.47								
	C10BO009	1.24	0.10	0.61	0.17	0.00	0.00	2.05	4.17								
	C10BO010	2.88	0.23	0.28	0.08	0.00	0.00	4.78	8.25								
	C10BO011	2.16	0.17	1.22	0.33	0.00	0.00	3.59	7.47								
	C10BO013	8.40	0.68	1.13	0.31	0.00	0.00	13.95	24.47								
	C10BO014	3.46	0.28	0.49	0.13	0.00	0.00	5.75	10.11								
	C10BO015	2.67	0.21	0.35	0.10	0.00	0.00	4.43	7.76								
	C10BO016	3.90	0.31	0.63	0.17	0.00	0.00	6.47	11.48								
	C10RX001	5.66	0.46	0.56	0.15	0.00	0.00	9.39	16.22								
	C10RX002	8.04	0.65	0.99	0.27	0.00	0.00	13.34	23.29								
	C10RX003	13.67	1.10	2.33	0.63	0.00	0.00	22.69	40.42								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C10	***cont.***																
	C10WC003	1.14	0.08	0.28	0.08	0.00	0.00	1.69	3.27								
	C10WC006	1.08	0.07	1.22	0.33	0.00	0.00	1.61	4.31								
	C10WC007	2.16	0.15	1.38	0.38	0.00	0.00	3.21	7.28								
	C10WC008	3.10	0.21	0.63	0.17	0.00	0.00	4.61	8.72								
	C10WC010	2.61	0.21	1.68	0.46	0.00	0.00	4.33	9.29								
	C10WC015	5.15	0.35	0.99	0.27	0.00	0.00	7.64	14.40								
	C10WC016	8.19	0.66	1.41	0.38	0.00	0.00	13.60	24.24								
	C10WC017	3.16	0.25	0.63	0.17	0.00	0.00	5.25	9.46								
	C10WC019	8.09	0.65	1.41	0.38	0.00	0.00	13.42	23.95								
C15																	
	C15BL001	1.70	0.15	0.10	0.56	0.00	0.00	2.25	4.76								
	C15BL003	8.14	0.71	0.49	1.78	0.00	0.00	10.77	21.89								
	C15BL004	9.53	0.83	0.74	2.17	0.00	0.00	12.61	25.88								
	C15BL005	13.97	1.22	1.47	2.83	0.00	0.00	18.48	37.97								
C20																	
	C20WC002	1.80	0.17	1.55	0.56	0.12	0.02	1.88	6.10								
	C20XX001	1.26	0.12	0.95	0.34	0.09	0.01	1.32	4.09								
C25																	
	C25AJ001	0.62	0.07	0.71	0.26	0.00	0.00	0.73	2.39								
	C25AJ003	0.88	0.09	0.71	0.26	0.00	0.00	1.04	2.98								
	C25AJ004	1.26	0.13	0.95	0.34	0.00	0.00	1.48	4.16								
	C25AJ005	1.48	0.15	1.31	0.48	0.00	0.00	1.74	5.16								
	C25AJ006	1.75	0.18	1.31	0.48	0.00	0.00	2.06	5.78								
	C25AJ007	1.87	0.20	1.31	0.48	0.00	0.00	2.19	6.05								
	C25AJ008	1.16	0.22	0.61	0.29	0.00	0.00	1.17	3.45								
	C25AJ009	1.23	0.24	0.61	0.29	0.00	0.00	1.25	3.62								
	C25AJ010	1.32	0.25	0.61	0.29	0.00	0.00	1.33	3.80								
	C25AJ011	1.41	0.27	0.61	0.29	0.00	0.00	1.43	4.01								
	C25AJ012	1.50	0.29	0.61	0.29	0.00	0.00	1.51	4.20								
	C25AJ013	1.59	0.30	0.61	0.29	0.00	0.00	1.60	4.39								
	C25AJ015	1.67	0.17	2.38	0.86	0.00	0.00	1.96	7.04								
	C25AJ016	1.74	0.18	2.38	0.86	0.00	0.00	2.05	7.21								
	C25AJ018	2.02	0.21	2.98	1.08	0.00	0.00	2.38	8.67								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C25	***cont.***																
	C25AJ019	2.93	0.31	3.33	1.21	0.00	0.00	3.45	11.23								
	C25ST001	0.38	0.04	0.95	0.34	0.00	0.00	0.44	2.15								
	C25ST002	0.41	0.04	1.07	0.39	0.00	0.00	0.48	2.39								
	C25SV001	24.45	4.69	3.30	1.41	0.20	0.03	24.70	58.78								
	C25SV002	19.67	3.77	3.30	1.41	0.12	0.02	19.86	48.15								
	C25SV003	11.87	2.28	1.53	0.65	0.11	0.02	11.99	28.45								
	C25WC002	0.47	0.05	0.95	0.34	0.00	0.00	0.55	2.36								
C35																	
	C35AF001	2.45	0.38	0.00	0.30	0.02	0.00	3.46	6.61								
	C35AF002	1.18	0.18	0.00	2.00	0.02	0.00	1.67	5.05								
	C35AF004	4.19	0.65	3.86	3.40	0.03	0.00	5.92	18.05								
	C35AF005	6.01	0.93	3.19	3.01	0.07	0.01	8.49	21.71								
	C35AL002	3.33	0.54	1.54	1.49	0.19	0.03	4.75	11.87								
	C35AL003	1.10	0.19	0.26	0.32	0.19	0.03	1.61	3.70								
	C35AL008	2.53	0.39	0.00	0.30	0.00	0.00	3.57	6.79								
	C35AL013	1.08	0.18	0.00	0.40	0.10	0.02	1.54	3.32								
	C35AL014	5.74	0.89	3.13	1.49	0.02	0.00	8.10	19.37								
	C35AV006	8.49	1.31	1.05	2.54	0.08	0.01	12.00	25.48								
	C35AV008	2.55	0.39	0.37	2.19	0.00	0.00	3.59	9.09								
	C35AV009	3.09	0.48	0.84	2.43	0.00	0.00	4.36	11.20								
	C35AV010	5.58	0.86	1.37	2.70	0.00	0.00	7.88	18.39								
	C35AV011	4.26	0.66	0.63	2.32	0.00	0.00	6.01	13.88								
	C35AV012	12.79	1.97	1.05	3.04	0.00	0.00	18.04	36.89								
C40																	
	C40CC001	3.52	0.37	0.49	0.28	0.00	0.00	4.14	8.80								
	C40MU001	0.37	0.04	0.95	0.34	0.02	0.00	0.45	2.17								
	C40MU002	0.85	0.09	1.55	0.56	0.02	0.00	1.01	4.08								
	C40MU003	0.40	0.04	0.95	0.34	0.02	0.00	0.48	2.23								
	C40MU004	0.49	0.05	0.95	0.34	0.02	0.00	0.59	2.44								
	C40RC005	31.34	3.29	5.88	7.33	0.00	0.00	36.86	84.70								
	C40ST001	0.26	0.03	0.02	0.21	0.02	0.00	0.31	0.85								
	C40ST002	0.29	0.03	0.65	0.24	0.02	0.00	0.35	1.58								
	C40ST003	0.36	0.04	0.10	0.31	0.02	0.00	0.43	1.26								
	C40ST005	0.50	0.05	0.07	0.34	0.02	0.00	0.59	1.57								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C40	***cont.***																
	C40XX001	0.46	0.05	0.10	0.26	0.00	0.00	0.54	1.41								
	C40XX002	0.49	0.05	0.83	0.30	0.00	0.00	0.58	2.25								
	C40XX003	0.70	0.07	0.15	0.29	0.00	0.00	0.83	2.04								
	C40XX004	0.71	0.07	0.95	0.34	0.00	0.00	0.83	2.90								
	C40XX005	0.93	0.10	0.25	0.39	0.00	0.00	1.09	2.76								
	C40XX006	1.30	0.14	0.25	0.39	0.00	0.00	1.52	3.60								
	C40XX007	1.21	0.13	1.07	0.39	0.00	0.00	1.42	4.22								
C45																	
	C45GO010	17.08	2.09	5.43	1.73	0.00	0.00	23.46	49.79								
	C45GO011	22.39	2.74	9.98	3.17	0.00	0.00	30.75	69.03								
	C45GO012	37.63	4.61	9.98	3.17	0.00	0.00	51.70	107.09								
	C45GO013	13.93	1.71	5.43	1.73	0.00	0.00	19.14	41.94								
	C45GO014	19.42	2.38	5.79	1.84	0.00	0.00	26.68	56.11								
	C45GO016	36.23	4.44	13.58	4.32	0.00	0.00	49.77	108.34								
	C45GO018	51.28	6.29	19.78	6.29	0.00	0.00	70.44	154.08								
	C45GO020	60.88	7.46	26.57	8.44	0.00	0.00	83.64	186.99								
	C45GO025	8.88	1.09	6.17	2.24	0.00	0.00	12.19	30.57								
	C45GO031	48.27	5.92	21.55	6.85	0.00	0.00	66.31	148.90								
	C45MJ001	0.93	0.11	1.93	0.70	0.00	0.00	1.28	4.95								
	C45MW002	4.69	0.63	1.18	0.38	0.63	0.10	6.56	14.17								
	C45MW003	6.11	0.82	1.18	0.38	0.88	0.14	8.57	18.08								
C55																	
	C55M3001	2.19	0.29	5.48	1.99	0.03	0.00	2.87	12.85								
	C55M3002	5.27	0.69	3.35	1.06	0.00	0.00	6.89	17.26								
	C55M3003	6.67	0.88	5.91	1.88	0.00	0.00	8.71	24.05								
	C55OE001	25.03	3.30	0.00	0.00	0.00	0.00	32.70	61.03								
	C55OE002	32.17	4.24	0.00	0.00	0.00	0.00	42.04	78.45								
	C55OE003	49.06	6.46	0.00	0.00	0.00	0.00	64.10	119.62								
	C55OE006	4.64	0.62	4.13	1.31	0.06	0.01	6.07	16.84								
	C55OE009	8.78	1.17	7.08	2.25	0.12	0.02	11.48	30.90								
	C55OE011	8.11	1.08	10.09	3.21	0.12	0.02	10.61	33.24								
	C55OE012	10.34	1.37	10.09	3.21	0.12	0.02	13.52	38.67								
	C55SC001	7.68	1.01	4.46	1.42	0.02	0.00	10.03	24.62								
	C55SC002	16.39	2.18	9.87	3.14	0.19	0.03	21.43	53.23								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C55	***cont.***																
	C55SC005	31.89	4.26	15.07	4.79	0.79	0.13	41.72	98.65								
	C55SC006	40.43	5.39	15.07	4.79	0.79	0.13	52.89	119.49								
C60																	
	C60CQ001	1.75	0.18	5.36	1.94	0.00	0.00	2.29	11.52								
	C60CQ002	0.36	0.04	1.38	0.50	0.00	0.00	0.47	2.75								
	C60CQ003	0.39	0.04	1.99	0.72	0.00	0.00	0.51	3.65								
	C60CQ010	1.76	0.18	2.47	1.07	0.00	0.00	2.30	7.78								
	C60CQ011	2.23	0.23	9.95	3.61	0.00	0.00	2.92	18.94								
	C60CQ012	2.25	0.23	9.95	3.61	0.00	0.00	2.94	18.98								
	C60CQ013	2.26	0.23	9.95	3.61	0.00	0.00	2.96	19.01								
	C60CQ014	1.92	0.20	1.89	0.96	0.00	0.00	2.51	7.48								
	C60CQ016	3.28	0.34	5.29	2.28	0.00	0.00	4.29	15.48								
	C60FE002	0.19	0.02	0.31	0.11	0.00	0.00	0.25	0.88								
	C60FE006	0.39	0.04	1.38	0.50	0.00	0.00	0.51	2.82								
	C60FE007	0.41	0.04	1.99	0.72	0.00	0.00	0.54	3.70								
	C60FE009	1.31	0.14	3.06	1.11	0.00	0.00	1.71	7.33								
	C60LY001	3.48	0.36	1.53	0.56	0.00	0.00	4.54	10.47								
	C60LY002	4.40	0.45	5.36	1.94	0.00	0.00	5.75	17.90								
	C60LY005	0.38	0.04	1.99	0.72	0.00	0.00	0.50	3.63								
	C60LY011	9.64	0.99	2.26	0.97	0.00	0.00	12.59	26.45								
C65																	
	C65ST007	0.20	0.01	0.05	0.03	0.00	0.00	0.62	0.91								
	C65ST008	0.22	0.02	0.09	0.05	0.00	0.00	0.69	1.07								
	C65ST009	0.25	0.02	0.14	0.07	0.00	0.00	0.77	1.25								
	C65ST013	0.42	0.03	0.61	0.22	0.00	0.00	1.30	2.58								
	C65WC003	0.32	0.02	0.09	0.19	0.00	0.00	1.00	1.62								
	C65WC004	0.29	0.02	0.14	0.21	0.00	0.00	0.89	1.55								
	C65WC005	0.41	0.03	0.56	0.20	0.00	0.00	1.26	2.46								
C75																	
	C75BD004	4.25	1.03	5.40	1.96	0.21	0.03	4.68	17.56								
	C75BD005	5.14	1.25	8.87	3.22	0.45	0.07	5.67	24.67								
	C75BD006	7.37	1.81	14.14	5.13	0.82	0.13	8.13	37.53								
	C75BD007	2.97	0.71	4.88	1.77	0.08	0.01	3.27	13.69								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C75	***cont.***																
	C75BD008	3.85	0.92	5.40	1.96	0.08	0.01	4.23	16.45								
	C75BD009	5.08	1.24	8.87	3.22	0.45	0.07	5.60	24.53								
	C75BD010	7.88	1.92	5.02	1.71	1.00	0.16	8.68	26.37								
	C75BD011	12.10	2.95	7.68	2.61	1.68	0.27	13.34	40.63								
	C75GV014	25.75	6.37	14.17	4.82	7.01	1.13	28.44	87.69								
	C75GV016	59.51	14.54	17.71	6.03	10.49	1.68	65.61	175.57								
	C75GV019	25.75	6.37	14.17	4.82	7.01	1.13	28.44	87.69								
	C75GV020	41.33	10.20	14.76	5.02	10.49	1.68	45.63	129.11								
	C75GV021	6.08	1.48	7.97	2.89	0.47	0.08	6.70	25.67								
	C75GV022	7.47	1.83	6.49	2.21	0.87	0.14	8.24	27.25								
	C75GV023	14.63	3.68	8.97	3.05	6.20	1.00	16.21	53.74								
	C75GV024	22.49	5.56	10.21	3.47	6.20	1.00	24.84	73.77								
	C75GV025	41.52	10.14	14.76	5.02	6.63	1.06	45.77	124.90								
	C75GV026	2.88	0.69	2.31	0.84	0.08	0.01	3.17	9.98								
	C75GV027	6.33	1.54	7.97	2.89	0.45	0.07	6.97	26.22								
	C75GV028	14.19	3.47	8.97	3.05	2.19	0.35	15.64	47.86								
	C75PB002	24.12	5.84	10.92	3.72	2.15	0.35	26.55	73.65								
	C75TD003	19.35	4.72	10.63	3.62	3.27	0.52	21.33	63.44								
	C75TD006	22.67	5.54	14.58	4.96	3.99	0.64	25.00	77.38								
	C75TD007	36.20	8.93	14.58	4.96	5.09	0.82	39.97	110.55								
	C75TD008	33.65	8.27	14.58	4.96	7.49	1.20	37.13	107.28								
	C75TE001	18.26	4.44	7.68	2.61	2.23	0.36	20.12	55.70								
	C75TE002	25.18	6.11	8.97	3.05	2.72	0.44	27.73	74.20								
	C75TE003	23.76	5.84	10.27	3.49	5.31	0.85	26.22	75.74								
	C75TE004	28.10	7.10	12.69	4.32	4.39	0.70	31.14	88.44								
	C75TE005	38.74	9.64	15.35	5.22	4.39	0.70	42.83	116.87								
	C75TE006	42.01	10.42	15.35	5.22	4.39	0.70	46.42	124.51								
	C75TE007	49.20	11.95	15.35	5.22	6.26	1.00	54.20	143.18								
C80																	
	C80GV006	28.53	7.81	20.34	6.01	1.39	0.22	27.46	91.76	32.60	7.87	26.90	7.94	5.38	0.86	33.65	115.20
	C80GV013	74.09	25.06	15.18	4.48	9.90	1.59	91.77	222.07	82.32	25.19	19.30	5.70	40.18	6.45	107.59	286.73
	C80GV014	74.27	25.12	15.18	4.48	9.90	1.59	91.99	222.53	82.52	25.25	19.30	5.70	40.18	6.45	107.85	287.25
	C80GV015	74.47	25.19	15.18	4.48	9.90	1.59	92.24	223.05	82.74	25.32	19.30	5.70	40.18	6.45	108.14	287.83
	C80GV016	105.26	35.55	13.93	4.12	11.69	1.88	130.35	302.78	116.96	35.72	17.74	5.24	46.72	7.50	152.83	382.71

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C80	***cont.***																
	C80GV020	32.90	10.06	20.34	6.01	2.00	0.32	36.21	107.84	37.01	10.14	26.90	7.94	7.81	1.25	43.27	134.32
	C80GV022	57.94	17.63	20.34	6.01	2.00	0.32	63.73	167.97	65.18	17.78	26.90	7.94	7.81	1.25	76.14	203.00
	C80GV025	20.35	5.58	15.25	4.50	1.15	0.18	19.59	66.60	23.25	5.62	20.17	5.96	4.51	0.72	24.01	84.24
	C80GV026	30.63	8.42	17.69	5.22	2.13	0.34	29.51	93.94	35.01	8.49	23.40	6.91	8.35	1.34	36.16	119.66
	C80GV027	25.41	7.00	12.71	3.75	2.10	0.34	24.48	75.79	29.04	7.06	16.81	4.96	8.29	1.33	30.00	97.49
	C80GV028	32.61	8.98	20.34	6.01	2.56	0.41	31.42	102.33	37.27	9.05	26.90	7.94	10.10	1.62	38.50	131.38
	C80GV029	31.01	8.54	20.34	6.01	2.56	0.41	29.88	98.75	35.44	8.61	26.90	7.94	10.10	1.62	36.61	127.22
	C80GV030	31.06	8.56	20.34	6.01	2.56	0.41	29.93	98.87	35.50	8.63	26.90	7.94	10.10	1.62	36.68	127.37
	C80GV031	31.36	9.62	20.34	6.01	2.56	0.41	34.54	104.84	35.28	9.70	26.90	7.94	10.10	1.62	41.27	132.81
	C80GV032	41.61	12.82	21.45	6.33	7.63	1.22	45.85	136.91	46.81	12.92	28.38	8.38	29.90	4.80	54.79	185.98
	C80LB001	25.98	7.99	18.56	5.48	2.44	0.39	28.62	89.46	29.23	8.06	24.54	7.25	9.68	1.55	34.20	114.51
	C80LB002	34.91	10.74	21.86	6.46	3.36	0.54	38.46	116.33	39.28	10.83	28.91	8.54	13.43	2.16	45.96	149.11
	C80LB005	17.57	4.27	9.66	3.95	1.33	0.21	14.51	51.50	20.50	4.32	12.78	5.22	5.53	0.89	18.35	67.59
	C80LI009	19.37	5.34	17.79	5.25	1.78	0.29	18.66	68.48	22.13	5.39	23.53	6.95	7.17	1.15	22.87	89.19
	C80LI010	23.33	6.43	16.01	4.73	1.88	0.30	22.48	75.16	26.67	6.48	21.18	6.25	7.36	1.18	27.55	96.67
	C80LI011	24.24	6.71	18.56	5.48	2.52	0.40	23.38	81.29	27.71	6.76	24.54	7.25	9.95	1.60	28.65	106.46
	C80TD001	28.77	8.92	9.83	2.91	4.19	0.67	31.73	87.02	32.36	9.00	12.56	3.71	16.93	2.72	37.92	115.20
	C80TD002	36.11	11.14	11.99	3.54	4.06	0.65	39.80	107.29	40.62	11.24	15.37	4.54	15.93	2.56	47.56	137.82
	C80TD005	38.97	13.31	32.41	9.57	5.14	0.82	48.34	148.56	43.30	13.37	42.21	12.46	20.41	3.28	56.68	191.71
	C80TE001	20.20	5.55	12.71	3.75	1.36	0.22	19.46	63.25	23.09	5.59	16.81	4.96	5.44	0.87	23.84	80.60
	C80TE002	16.08	4.45	12.71	3.75	1.61	0.26	15.50	54.36	18.38	4.48	16.81	4.96	6.46	1.04	19.00	71.13
	C80TE003	21.32	5.91	18.81	5.56	2.44	0.39	20.56	74.99	24.37	5.96	24.88	7.35	9.68	1.55	25.20	98.99
	C80TE005	15.10	3.71	12.30	5.03	1.73	0.28	12.49	50.64	17.62	3.75	16.27	6.65	6.98	1.12	15.80	68.19
	C80TE006	15.10	3.71	12.30	5.03	1.73	0.28	12.49	50.64	17.62	3.75	16.27	6.65	6.98	1.12	15.80	68.19
	C80TE007	21.10	5.84	16.07	4.75	2.17	0.35	20.34	70.62	24.11	5.89	21.25	6.28	8.59	1.38	24.93	92.43
C85																	
	C85AM016	41.99	15.37	9.82	2.67	0.00	0.00	54.78	124.63	51.32	15.52	12.92	3.51	0.00	0.00	70.46	153.73
	C85AM017	44.57	16.31	9.82	2.67	0.00	0.00	58.15	131.52	54.47	16.47	12.92	3.51	0.00	0.00	74.79	162.16
	C85KC003	37.11	12.41	8.26	2.06	0.00	0.00	43.31	103.15	46.39	12.57	10.87	2.71	0.00	0.00	57.35	129.89
	C85KC004	23.44	7.84	5.55	1.38	0.00	0.00	27.36	65.57	29.30	7.94	7.30	1.82	0.00	0.00	36.23	82.59
	C85KC005	26.98	9.02	6.64	1.66	0.00	0.00	31.49	75.79	33.72	9.14	8.73	2.18	0.00	0.00	41.70	95.47
	C85KC006	62.89	23.01	8.69	2.36	0.00	0.00	82.05	179.00	76.86	23.24	11.44	3.11	0.00	0.00	105.53	220.18
	C85KC007	22.68	7.56	5.55	1.26	0.00	0.00	24.84	61.89	27.22	7.65	7.30	1.66	0.00	0.00	31.78	75.61
	C85KC008	44.62	16.33	9.85	2.68	0.00	0.00	58.22	131.70	54.54	16.49	12.96	3.52	0.00	0.00	74.88	162.39

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C85	***cont.***																
	C85LB013	29.20	9.76	8.20	2.04	0.00	0.00	34.07	83.27	36.50	9.89	10.78	2.69	0.00	0.00	45.13	104.99
	C85LB014	38.31	12.81	8.20	2.04	0.00	0.00	44.71	106.07	47.89	12.98	10.78	2.69	0.00	0.00	59.21	133.55
	C85LB015	43.13	14.42	6.45	1.61	0.00	0.00	50.34	115.95	53.91	14.61	8.49	2.12	0.00	0.00	66.66	145.79
	C85LB016	51.05	18.68	7.73	2.10	0.00	0.00	66.60	146.16	62.39	18.87	10.17	2.76	0.00	0.00	85.66	179.85
	C85LB017	66.77	24.44	13.71	3.73	0.00	0.00	87.12	195.77	81.61	24.68	18.04	4.90	0.00	0.00	112.05	241.28
	C85LB018	18.47	6.16	4.58	1.04	0.00	0.00	20.22	50.47	22.16	6.23	6.03	1.37	0.00	0.00	25.87	61.66
	C85LB019	32.59	9.72	11.21	4.32	0.00	0.00	40.41	98.25	40.11	9.86	14.66	5.65	0.00	0.00	55.61	125.89
	C85LB020	42.85	12.78	11.21	4.32	0.00	0.00	53.14	124.30	52.74	12.96	14.66	5.65	0.00	0.00	73.11	159.12
	C85LB021	42.11	14.04	8.83	2.20	0.00	0.00	58.38	125.56	50.53	14.20	11.54	2.88	0.00	0.00	77.44	156.59
	C85LB022	56.36	18.79	10.57	2.64	0.00	0.00	78.12	166.48	67.63	19.00	13.83	3.45	0.00	0.00	103.64	207.55
	C85LB023	61.73	22.76	18.76	5.10	0.00	0.00	94.60	202.95	77.16	23.01	24.53	6.67	0.00	0.00	129.44	260.81
	C85LI001	24.43	8.17	6.45	1.61	0.00	0.00	28.51	69.17	30.54	8.28	8.49	2.12	0.00	0.00	37.76	87.19
	C85MA001	39.08	13.03	14.92	3.72	0.00	0.00	54.17	124.92	46.89	13.17	19.52	4.87	0.00	0.00	71.86	156.31
	C85MA002	47.69	15.90	14.50	3.62	0.00	0.00	66.11	147.82	57.23	16.08	18.96	4.73	0.00	0.00	87.70	184.70
	C85MA003	64.00	23.60	15.99	4.35	0.00	0.00	98.08	206.02	80.00	23.86	20.91	5.68	0.00	0.00	134.20	264.65
	C85MA004	36.89	12.34	10.91	2.72	0.00	0.00	43.06	105.92	46.12	12.50	14.35	3.58	0.00	0.00	57.02	133.57
	C85MA005	34.50	11.53	10.44	2.60	0.00	0.00	40.26	99.33	43.12	11.69	13.74	3.43	0.00	0.00	53.32	125.30
	C85MA006	43.58	15.95	10.59	2.88	0.00	0.00	56.85	129.85	53.26	16.11	13.94	3.79	0.00	0.00	73.12	160.22
	C85MA007	61.55	22.52	11.69	3.18	0.00	0.00	80.30	179.24	75.23	22.75	15.38	4.18	0.00	0.00	103.28	220.82
	C85MA008	36.49	12.20	10.44	2.60	0.00	0.00	42.59	104.32	45.62	12.36	13.74	3.43	0.00	0.00	56.40	131.55
	C85MA009	56.38	20.79	14.50	3.94	0.00	0.00	86.40	182.01	70.47	21.02	18.96	5.15	0.00	0.00	118.22	233.82
	C85MA010	55.78	20.41	10.59	2.88	0.00	0.00	72.78	162.44	68.18	20.62	13.94	3.79	0.00	0.00	93.61	200.14
	C85TE001	27.81	8.30	6.40	2.47	0.00	0.00	34.49	79.47	34.23	8.41	8.36	3.22	0.00	0.00	47.46	101.68
	C85TE002	38.68	11.54	10.66	4.11	0.00	0.00	47.96	112.95	47.61	11.70	13.94	5.37	0.00	0.00	65.99	144.61
	C85TE003	43.20	14.40	14.28	3.56	0.00	0.00	59.88	135.32	51.84	14.56	18.68	4.66	0.00	0.00	79.44	169.18
	C85TE008	25.59	8.56	5.73	1.43	0.00	0.00	29.87	71.18	31.99	8.67	7.54	1.88	0.00	0.00	39.55	89.63
	C85TE009	31.85	10.65	7.17	1.79	0.00	0.00	37.18	88.64	39.82	10.79	9.43	2.35	0.00	0.00	49.23	111.62
	C85TE010	40.53	13.55	7.48	1.86	0.00	0.00	47.31	110.73	50.67	13.73	9.84	2.45	0.00	0.00	62.65	139.34
	C85TE011	54.33	19.88	9.82	2.67	0.00	0.00	70.88	157.58	66.40	20.08	12.92	3.51	0.00	0.00	91.17	194.08
	C85TE012	54.51	19.95	10.44	2.84	0.00	0.00	71.11	158.85	66.62	20.15	13.74	3.73	0.00	0.00	91.46	195.70
	C85TE013	59.83	21.90	10.44	2.84	0.00	0.00	78.06	173.07	73.13	22.11	13.74	3.73	0.00	0.00	100.40	213.11
	C85TE014	49.64	18.17	9.82	2.67	0.00	0.00	64.76	145.06	60.67	18.35	12.92	3.51	0.00	0.00	83.30	178.75
C90																	
	C90LB001	49.31	18.37	12.69	3.75	6.25	1.00	64.91	156.28	54.79	18.45	15.96	4.72	24.95	4.00	76.10	198.97

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C90	***cont.***																
	C90LB002	56.90	21.16	14.30	4.22	6.25	1.00	74.88	178.71	63.22	21.27	18.05	5.33	24.95	4.00	87.79	224.61
	C90LB003	90.39	33.61	18.71	5.52	9.36	1.50	118.95	278.04	100.43	33.77	23.74	7.01	37.42	6.01	139.46	347.84
C95																	
	C95AP004	19.84	6.61	5.82	7.30	0.00	0.00	24.60	64.17								
	C95AP005	0.63	0.21	0.00	0.00	0.00	0.00	0.78	1.62								
	C95AP006	1.15	0.38	0.00	0.00	0.00	0.00	1.43	2.96								
	C95AP007	31.30	10.44	9.69	10.50	0.00	0.00	38.82	100.75								
	C95AP008	4.74	1.58	0.00	0.50	0.00	0.00	5.88	12.70								
	C95AP009	1.57	0.52	0.00	0.00	0.00	0.00	1.94	4.03								
	C95AP010	41.91	13.97	9.87	10.60	0.00	0.00	51.97	128.32								
	C95AP011	1.46	0.49	0.00	0.00	0.00	0.00	1.81	3.76								
	C95AP012	5.94	1.98	0.00	0.50	0.00	0.00	7.37	15.79								
	C95AP013	39.88	13.30	16.11	14.14	0.00	0.00	49.45	132.88								
	C95AP014	1.33	0.44	0.00	0.00	0.00	0.00	1.65	3.42								
	C95AP015	5.17	1.72	0.00	0.50	0.00	0.00	6.41	13.80								
	C95AP016	1.80	0.60	0.00	0.00	0.00	0.00	2.23	4.63								
	C95AP017	16.84	5.62	5.69	6.23	0.00	0.00	20.89	55.27								
	C95AP018	0.55	0.18	0.00	0.00	0.00	0.00	0.68	1.41								
	C95AP019	3.20	1.07	0.00	0.50	0.00	0.00	3.97	8.74								
	C95AP020	18.63	6.21	10.15	8.76	0.00	0.00	23.10	66.85								
	C95AP021	29.22	9.74	11.74	10.66	0.00	0.00	36.24	97.60								
	C95AP022	4.39	1.46	1.09	1.62	0.00	0.00	5.44	14.00								
	C95AP023	0.10	0.03	0.00	0.00	0.00	0.00	0.13	0.26								
	C95LH003	17.26	5.76	4.96	5.81	0.00	0.00	21.40	55.19								
	C95LH005	22.48	7.49	6.73	7.82	0.00	0.00	27.87	72.39								
	C95LH011	41.96	13.99	10.15	10.76	0.00	0.00	52.03	128.89								
	C95LH013	53.55	17.86	10.15	10.76	0.00	0.00	66.40	158.72								
	C95LH015	71.36	23.79	14.42	15.18	0.00	0.00	88.49	213.24								
	C95LH022	15.08	5.08	1.59	2.90	0.60	0.10	18.75	44.10								
	C95LH023	21.14	7.12	2.96	4.68	0.74	0.12	26.27	63.03								
D10																	
	D10IR003	6.86	1.99	0.00	0.79	0.00	0.00	11.08	20.72								
	D10IR005	25.93	5.51	13.40	4.26	0.00	0.00	41.91	91.01								
	D10SU002	8.45	2.46	0.00	0.80	0.00	0.00	13.66	25.37								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
D10	***cont.***																
	D10SU003	8.63	2.51	0.00	0.80	0.00	0.00	13.95	25.89								
	D10SU005	13.11	2.78	16.20	5.15	0.00	0.00	21.19	58.43								
	D10SU006	13.28	2.82	16.20	5.15	0.00	0.00	21.45	58.90								
D15																	
	D15BI001	0.92	0.20	1.63	0.59	0.00	0.00	1.34	4.68								
	D15BI002	1.67	0.35	1.25	0.40	0.00	0.00	2.43	6.10								
	D15BI003	2.50	0.53	1.87	0.59	0.00	0.00	3.64	9.13								
	D15BI004	3.90	0.83	2.80	0.89	0.00	0.00	5.67	14.09								
	D15BI005	5.41	1.15	4.24	1.35	0.00	0.00	7.87	20.02								
	D15BI006	8.56	1.82	7.42	2.36	0.00	0.00	12.45	32.61								
	D15BI007	12.55	2.67	10.66	3.39	0.00	0.00	18.26	47.53								
	D15BI008	10.52	2.23	10.66	3.39	0.00	0.00	15.31	42.11								
	D15XX001	0.49	0.10	0.00	0.00	0.00	0.00	0.71	1.30								
	D15XX002	0.74	0.16	0.00	0.00	0.00	0.00	1.07	1.97								
D20																	
	D20AD002	0.43	0.07	0.11	0.31	0.00	0.00	0.59	1.51								
	D20AD005	0.43	0.07	0.11	0.31	0.00	0.00	0.58	1.50								
	D20AD006	0.70	0.12	0.22	0.51	0.00	0.00	0.97	2.52								
	D20AD007	1.16	0.20	0.45	1.03	0.00	0.00	1.59	4.43								
	D20CQ001	2.72	0.47	5.72	2.54	0.00	0.00	3.74	15.19								
	D20LY001	0.63	0.11	0.17	0.59	0.00	0.00	0.86	2.36								
	D20LY002	0.65	0.11	0.00	0.60	0.00	0.00	0.89	2.25								
D25																	
	D25AD003	6.05	1.28	4.30	1.17	0.00	0.00	9.77	22.57								
	D25AD004	4.82	1.02	1.74	0.47	0.00	0.00	7.80	15.85								
	D25EZ001	0.58	0.12	0.00	0.50	0.00	0.00	0.94	2.14								
	D25EZ002	0.48	0.11	0.00	0.50	0.04	0.01	0.78	1.92								
	D25EZ003	0.52	0.11	0.00	0.50	0.03	0.00	0.85	2.01								
	D25EZ005	1.97	0.42	0.00	1.25	0.06	0.01	3.19	6.90								
D30																	
	D30HD001	7.74	1.64	13.09	6.16	0.00	0.00	12.51	41.14								
	D30HD002	11.64	2.47	16.83	8.35	0.00	0.00	18.81	58.10								
	D30HD003	15.17	3.22	20.88	10.64	0.00	0.00	24.52	74.43								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
D30	***cont.***																
	D30MR001	0.66	0.14	1.09	0.40	0.00	0.00	1.06	3.35								
	D30MR003	6.52	1.40	3.61	1.15	0.13	0.02	10.56	23.39								
	D30MR005	11.87	2.57	31.28	9.94	0.46	0.07	19.27	75.46								
	D30MR006	13.70	2.96	9.33	2.97	0.46	0.07	22.23	51.72								
	D30MR007	19.57	4.20	9.33	2.97	0.46	0.07	31.71	68.31								
D35																	
	D35IB003	23.25	7.82	33.61	12.19	0.79	0.13	35.28	113.07								
	D35IB004	22.09	7.45	32.99	11.96	1.02	0.16	33.54	109.21								
	D35IB005	25.65	8.64	39.84	14.45	1.02	0.16	38.94	128.70								
	D35IB006	26.98	9.09	40.61	14.73	1.02	0.16	40.96	133.55								
	D35RD001	20.42	5.37	28.62	12.34	0.00	0.00	30.93	97.68								
	D35RD004	28.11	7.39	26.80	11.56	0.00	0.00	42.59	116.45								
	D35RD005	28.45	7.48	26.80	11.56	0.00	0.00	43.10	117.39								
	D35RD006	29.66	7.80	26.80	11.56	0.00	0.00	44.94	120.76								
	D35RD007	32.76	8.62	46.74	20.15	0.00	0.00	49.63	157.90								
	D35RD009	36.02	12.01	46.74	16.95	0.00	0.00	54.58	166.30								
F10																	
	F10C4039	5.21	1.04	5.34	1.45	1.32	0.21	5.79	20.36								
	F10C4040	6.56	1.30	5.34	1.45	1.32	0.21	7.28	23.46								
	F10C4042	7.41	1.46	5.34	1.45	1.05	0.17	8.21	25.09								
	F10C4043	8.55	1.69	5.34	1.45	1.37	0.22	9.48	28.10								
	F10JC001	4.19	0.85	3.81	1.04	0.75	0.12	4.67	15.43								
	F10JC002	4.80	0.97	3.81	1.04	0.79	0.13	5.33	16.87								
	F10JD001	3.86	0.77	3.71	1.01	0.54	0.09	4.28	14.26								
	F10JD002	3.90	0.78	3.71	1.01	0.54	0.09	4.33	14.36								
	F10JD003	4.14	0.83	3.71	1.01	0.54	0.09	4.59	14.91								
G10																	
	G10CA012	2.65	0.42	15.96	4.34	0.00	0.00	2.37	25.74	3.31	0.44	21.11	5.74	0.00	0.00	3.39	33.99
	G10CA013	3.41	0.55	20.59	5.60	0.00	0.00	3.05	33.20	4.26	0.56	27.23	7.40	0.00	0.00	4.36	43.81
	G10CA014	4.49	0.72	27.25	7.41	0.00	0.00	4.03	43.90	5.61	0.74	36.04	9.80	0.00	0.00	5.75	57.94
	G10CA015	6.23	1.00	34.93	9.49	0.00	0.00	5.59	57.24	7.79	1.03	46.19	12.55	0.00	0.00	7.98	75.54
	G10CA016	7.63	1.22	41.54	11.29	0.00	0.00	6.84	68.52	9.54	1.26	54.94	14.93	0.00	0.00	9.77	90.44
	G10CA017	11.96	1.92	55.36	15.05	0.00	0.00	10.72	95.01	14.95	1.97	73.22	19.90	0.00	0.00	15.32	125.36

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
G10	***cont.***																
	G10CA018	15.18	2.43	73.36	19.94	0.00	0.00	13.61	124.52	18.98	2.50	97.03	26.37	0.00	0.00	19.44	164.32
	G10CA019	25.60	4.10	117.14	31.84	0.00	0.00	22.96	201.64	32.00	4.22	154.92	42.10	0.00	0.00	32.78	266.02
	G10CA020	2.12	0.34	8.85	2.41	0.00	0.00	1.90	15.62	2.64	0.35	11.70	3.18	0.00	0.00	2.71	20.58
	G10WC001	0.24	0.03	0.89	0.24	0.00	0.00	0.19	1.59	0.28	0.03	1.16	0.32	0.00	0.00	0.25	2.04
	G10WC002	0.31	0.04	1.23	0.33	0.00	0.00	0.24	2.15	0.35	0.04	1.60	0.43	0.00	0.00	0.32	2.74
	G10WC003	0.46	0.06	1.78	0.48	0.00	0.00	0.35	3.13	0.53	0.06	2.33	0.63	0.00	0.00	0.47	4.02
	G10WC004	0.52	0.07	2.01	0.55	0.00	0.00	0.40	3.55	0.59	0.07	2.62	0.71	0.00	0.00	0.53	4.52
	G10XX001	0.10	0.01	0.11	0.03	0.00	0.00	0.07	0.32	0.11	0.01	0.15	0.04	0.00	0.00	0.10	0.41
	G10XX002	0.47	0.06	2.12	0.58	0.00	0.00	0.36	3.59	0.54	0.06	2.77	0.75	0.00	0.00	0.48	4.60
	G10XX003	1.08	0.14	1.17	0.32	0.00	0.00	0.83	3.54	1.24	0.14	1.55	0.42	0.00	0.00	1.11	4.46
	G10XX004	0.56	0.07	0.46	0.13	0.00	0.00	0.43	1.65	0.64	0.08	0.61	0.17	0.00	0.00	0.57	2.07
	G10XX005	1.36	0.22	4.01	1.09	0.00	0.00	1.22	7.90	1.70	0.22	5.24	1.42	0.00	0.00	1.75	10.33
	G10XX006	1.20	0.19	5.58	1.52	0.00	0.00	1.07	9.56	1.50	0.20	7.28	1.98	0.00	0.00	1.53	12.49
	G10XX007	1.80	0.29	7.81	2.12	0.00	0.00	1.62	13.64	2.26	0.30	10.19	2.77	0.00	0.00	2.31	17.83
	G10XX008	2.20	0.35	5.44	1.48	0.00	0.00	1.97	11.44	2.75	0.36	7.19	1.95	0.00	0.00	2.82	15.07
	G10XX009	1.88	0.30	7.27	1.98	0.00	0.00	1.69	13.12	2.35	0.31	9.62	2.61	0.00	0.00	2.41	17.30
	G10XX010	2.82	0.45	10.17	2.76	0.00	0.00	2.53	18.73	3.52	0.46	13.45	3.66	0.00	0.00	3.61	24.70
	G10XX011	3.08	0.49	19.07	5.18	0.00	0.00	2.77	30.59	3.86	0.51	25.22	6.85	0.00	0.00	3.95	40.39
	G10XX012	3.62	0.58	21.76	5.91	0.00	0.00	3.25	35.12	4.53	0.60	28.78	7.82	0.00	0.00	4.64	46.37
	G10XX013	4.51	0.72	28.98	7.88	0.00	0.00	4.04	46.13	5.63	0.74	38.33	10.42	0.00	0.00	5.77	60.89
	G10XX014	6.53	1.05	36.25	9.85	0.00	0.00	5.86	59.54	8.16	1.08	47.94	13.03	0.00	0.00	8.36	78.57
	G10XX015	10.84	1.74	53.38	14.51	0.00	0.00	9.72	90.19	13.55	1.78	70.60	19.19	0.00	0.00	13.88	119.00
	G10XX016	15.41	2.47	72.45	19.69	0.00	0.00	13.82	123.84	19.27	2.54	95.82	26.04	0.00	0.00	19.74	163.41
G15																	
	G15CA001	9.75	2.98	5.95	2.29	1.03	0.17	11.26	33.43	10.47	2.98	7.59	2.92	3.41	0.55	13.72	41.64
	G15CA003	11.52	3.51	6.66	2.57	1.03	0.17	13.30	38.76	12.37	3.52	8.50	3.27	3.41	0.55	16.21	47.83
	G15CA004	12.32	3.75	7.85	3.02	1.10	0.18	14.23	42.45	13.24	3.76	10.01	3.86	3.64	0.58	17.33	52.42
	G15CA005	16.81	5.17	10.23	3.94	2.72	0.44	19.45	58.76	18.05	5.18	13.05	5.03	8.98	1.44	23.70	75.43
	G15CA006	24.47	7.50	13.08	5.04	3.83	0.61	28.29	82.82	26.28	7.52	16.69	6.43	12.65	2.03	34.47	106.07
	G15CA007	10.39	3.17	6.42	2.47	1.03	0.17	12.00	35.65	11.16	3.18	8.19	3.15	3.41	0.55	14.62	44.26
	G15CA008	14.32	4.35	8.80	3.39	1.25	0.20	16.52	48.83	15.38	4.36	11.23	4.33	4.22	0.68	20.13	60.33
	G15CA009	13.35	4.06	8.80	3.39	1.19	0.19	15.41	46.39	14.34	4.08	11.23	4.33	3.93	0.63	18.78	57.32
	G15CA010	15.49	4.71	9.51	3.66	1.35	0.22	17.88	52.82	16.64	4.72	12.14	4.68	4.54	0.73	21.78	65.23
	G15JD008	10.57	3.25	7.18	2.77	1.78	0.29	12.24	38.08	11.35	3.26	9.16	3.53	5.88	0.94	14.91	49.03

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
G15	***cont.***																
	G15JD009	12.23	3.75	7.42	2.86	2.02	0.32	14.15	42.75	13.14	3.76	9.47	3.65	6.81	1.09	17.24	55.16
	G15JD010	12.28	3.77	8.80	3.39	1.78	0.29	14.20	44.51	13.19	3.78	11.23	4.33	5.88	0.94	17.30	56.65
	G15JD011	13.92	4.26	9.75	3.76	2.02	0.32	16.09	50.12	14.95	4.27	12.44	4.79	6.81	1.09	19.60	63.95
	G15KM006	11.93	3.66	6.85	2.64	2.02	0.32	13.80	41.22	12.81	3.67	8.74	3.37	6.81	1.09	16.81	53.30
	G15KM007	10.72	3.33	7.89	3.04	2.55	0.41	12.44	40.38	11.51	3.34	10.07	3.88	8.40	1.35	15.15	53.70
	G15KM008	13.84	4.27	9.70	3.74	2.88	0.46	16.03	50.92	14.86	4.28	12.38	4.77	9.73	1.56	19.53	67.11
	G15KM009	17.81	5.47	11.65	4.49	2.72	0.44	20.61	63.19	19.13	5.49	14.87	5.73	8.98	1.44	25.11	80.75
H10																	
	H10NP001	0.83	0.10	0.00	0.50	0.00	0.00	1.22	2.65								
	H10NP002	0.93	0.11	0.00	0.50	0.00	0.00	1.36	2.90								
	H10NP003	1.38	0.17	0.00	0.75	0.00	0.00	2.03	4.33								
	H10NP004	1.78	0.22	0.00	0.75	0.00	0.00	2.62	5.37								
	H10NP005	2.36	0.29	0.00	1.00	0.00	0.00	3.47	7.12								
	H10NP007	4.35	0.53	0.00	1.00	0.00	0.00	6.39	12.27								
	H10NP009	6.13	0.75	0.00	1.25	0.00	0.00	9.01	17.14								
	H10NP015	7.46	0.91	0.00	1.25	0.00	0.00	10.97	20.59								
	H10NP016	10.27	1.26	0.00	1.25	0.00	0.00	15.10	27.88								
	H10NP017	13.42	1.65	0.00	1.25	0.00	0.00	19.73	36.05								
	H10NP018	31.13	3.82	0.00	1.25	0.00	0.00	45.77	81.97								
H13																	
	H13AY007	12.05	2.32	0.00	0.00	0.00	0.00	15.93	30.30								
	H13AY008	5.82	1.12	0.00	0.00	0.00	0.00	7.70	14.64								
	H13AY009	10.71	2.07	0.00	0.00	0.00	0.00	14.17	26.95								
	H13AY010	5.37	1.04	0.00	0.00	0.00	0.00	7.10	13.51								
	H13AY011	8.93	1.72	0.00	0.00	0.00	0.00	11.81	22.46								
	H13AY012	4.48	0.86	0.00	0.00	0.00	0.00	5.93	11.27								
	H13AY013	7.15	1.38	0.00	0.00	0.00	0.00	9.45	17.98								
	H13AY014	3.77	0.73	0.00	0.00	0.00	0.00	4.98	9.48								
	H13AY015	4.20	0.81	0.00	0.00	0.00	0.00	5.56	10.57								
	H13AY016	2.69	0.52	0.00	0.00	0.00	0.00	3.55	6.76								
	H13AY017	13.39	2.58	0.00	0.00	0.00	0.00	17.70	33.67								
	H13AY018	6.71	1.29	0.00	0.00	0.00	0.00	8.88	16.88								
	H13AY019	0.89	0.17	0.05	0.28	0.00	0.00	1.17	2.56								
	H13AY020	1.15	0.22	0.05	0.28	0.00	0.00	1.52	3.22								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
H13	***cont.***																
	H13AY021	15.15	2.70	0.00	0.00	0.48	0.08	16.81	35.22								
	H13AY022	8.06	1.45	0.00	0.00	0.48	0.08	8.96	19.03								
	H13AY023	13.73	2.45	0.00	0.00	0.48	0.08	15.23	31.97								
	H13AY024	7.11	1.28	0.00	0.00	0.48	0.08	7.90	16.85								
	H13AY025	12.22	2.18	0.00	0.00	0.48	0.08	13.56	28.52								
	H13AY026	6.54	1.18	0.00	0.00	0.48	0.08	7.28	15.56								
	H13AY027	10.23	1.83	0.00	0.00	0.48	0.08	11.36	23.98								
	H13AY028	5.51	1.00	0.00	0.00	0.48	0.08	6.13	13.20								
	H13AY029	8.25	1.48	0.00	0.00	0.48	0.08	9.16	19.45								
	H13AY030	4.65	0.85	0.00	0.00	0.48	0.08	5.18	11.24								
	H13AY031	5.40	0.98	0.00	0.00	0.48	0.08	6.00	12.94								
	H13AY032	3.50	0.65	0.00	0.00	0.48	0.08	3.91	8.62								
	H13BB001	5.82	0.47	0.46	0.98	0.00	0.00	8.06	15.79								
	H13BB002	7.43	0.60	0.68	1.35	0.00	0.00	10.28	20.34								
	H13BC003	3.94	0.34	0.23	0.13	0.00	0.00	4.05	8.69								
	H13BC006	3.88	0.34	0.14	0.08	0.00	0.00	3.99	8.43								
	H13BC007	4.96	0.43	0.14	0.08	0.00	0.00	5.10	10.71								
	H13BC008	5.88	0.51	0.23	0.13	0.00	0.00	6.05	12.80								
	H13BC009	4.16	0.36	0.14	0.08	0.00	0.00	4.28	9.02								
	H13BC010	2.90	0.25	0.14	0.08	0.00	0.00	2.98	6.35								
	H13BC011	3.26	0.28	0.23	0.13	0.00	0.00	3.36	7.26								
	H13BC012	2.67	0.23	0.14	0.08	0.00	0.00	2.75	5.87								
	H13BC013	2.41	0.21	0.14	0.08	0.00	0.00	2.48	5.32								
	H13CB001	1.71	0.30	0.23	0.38	0.00	0.00	1.90	4.52								
	H13CB002	1.88	0.33	0.46	0.51	0.00	0.00	2.08	5.26								
	H13CO002	0.64	0.11	0.23	0.38	0.00	0.00	0.70	2.06								
	H13CO003	1.08	0.25	0.14	0.33	0.00	0.00	1.42	3.22								
	H13CO004	2.17	0.49	0.14	0.58	0.00	0.00	2.86	6.24								
	H13CO005	3.58	0.82	0.14	0.58	0.00	0.00	4.73	9.85								
	H13CO006	2.58	0.59	0.14	0.43	0.00	0.00	3.41	7.15								
	H13EP001	1.70	0.30	0.23	0.38	0.00	0.00	1.88	4.49								
	H13EP002	2.15	0.49	0.34	0.49	0.00	0.00	2.84	6.31								
	H13KP001	14.24	2.51	0.57	0.32	0.09	0.01	15.77	33.51								
	H13KP002	16.14	2.84	0.71	0.40	0.09	0.01	17.87	38.06								
	H13KP003	18.99	3.34	1.00	0.57	0.09	0.01	21.03	45.03								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
H13	***cont.***																
	H13KP004	21.85	3.85	1.27	0.72	0.09	0.01	24.19	51.98								
	H13MN001	20.72	3.70	6.83	6.49	0.51	0.08	25.85	64.18								
	H13MN002	25.03	4.48	9.10	8.64	0.69	0.11	31.23	79.28								
	H13MN003	29.56	5.27	9.10	9.64	0.69	0.11	36.88	91.25								
	H13MN004	33.97	6.05	13.65	12.97	0.69	0.11	42.36	109.80								
	H13PR001	8.18	1.58	0.14	0.08	0.00	0.00	10.82	20.80								
	H13PR002	24.53	4.34	0.14	1.58	0.48	0.08	27.18	58.33								
	H13PR003	14.42	2.78	0.23	0.13	0.00	0.00	19.06	36.62								
	H13PR005	19.29	3.72	0.23	0.13	0.00	0.00	25.51	48.88								
	H13PR006	21.59	3.83	0.23	1.63	0.48	0.08	23.93	51.77								
	H13PR007	23.35	4.50	0.46	0.26	0.00	0.00	30.88	59.45								
	H13PR011	33.90	5.99	0.09	1.55	0.48	0.08	37.56	79.65								
	H13PR012	36.50	6.45	0.14	1.58	0.48	0.08	40.44	85.67								
	H13PR013	38.75	6.84	0.23	1.63	0.48	0.08	42.92	90.93								
	H13PR014	43.71	7.71	0.36	1.70	0.48	0.08	48.42	102.46								
	H13PR015	49.82	8.79	0.36	1.70	0.48	0.08	55.18	116.41								
	H13PR022	17.00	3.28	0.09	0.05	0.00	0.00	22.48	42.90								
	H13PR023	19.42	3.75	0.14	0.08	0.00	0.00	25.69	49.08								
	H13PR024	21.56	4.16	0.14	0.08	0.00	0.00	28.52	54.46								
	H13PR025	26.23	5.06	0.14	0.08	0.00	0.00	34.69	66.20								
	H13PR026	13.78	2.66	0.18	0.10	0.00	0.00	18.23	34.95								
	H13S5001	5.00	0.88	0.14	0.08	0.00	0.00	5.53	11.63								
	H13S5002	10.25	1.80	0.23	0.13	0.00	0.00	11.34	23.75								
	H13S5003	12.23	2.15	0.23	0.13	0.00	0.00	13.54	28.28								
	H13S5004	16.98	2.98	0.23	0.13	0.00	0.00	18.80	39.12								
	H13SH001	3.12	0.55	0.91	0.46	0.00	0.00	3.89	8.93								
	H13SH002	3.26	0.57	0.91	0.46	0.00	0.00	4.06	9.26								
	H13SH003	6.32	1.11	1.82	0.93	0.00	0.00	7.87	18.05								
	H13SH004	6.60	1.16	1.82	0.93	0.00	0.00	8.21	18.72								
	H13SH005	10.44	1.83	4.55	2.32	0.00	0.00	12.99	32.13								
	H13SH006	33.96	5.97	13.65	6.97	0.00	0.00	42.27	102.82								
	H13SH007	44.29	7.78	27.30	13.93	0.00	0.00	55.13	148.43								
	H13TH001	0.90	0.16	0.23	0.13	0.00	0.00	1.00	2.42								
	H13TH002	1.67	0.30	0.46	0.13	0.04	0.01	1.85	4.46								
	H13TH003	2.09	0.37	0.81	0.22	0.04	0.01	2.32	5.86								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
H13	***cont.***																
	H13YB001	26.56	4.67	2.28	1.29	0.00	0.00	29.40	64.20								
	H13YB002	26.56	4.67	2.28	1.29	0.00	0.00	29.40	64.20								
	H13YB003	26.56	4.67	2.28	1.29	0.00	0.00	29.40	64.20								
H20																	
	H20BE002	1.75	0.31	0.00	0.20	0.00	0.00	2.06	4.32								
	H20BE003	2.26	0.40	0.00	0.30	0.00	0.00	2.66	5.62								
	H20BE004	3.35	0.59	0.00	0.40	0.00	0.00	3.94	8.28								
H25																	
	H25AU001	0.90	0.10	0.00	0.00	0.00	0.00	1.24	2.24								
	H25AU002	1.02	0.11	0.00	0.00	0.00	0.00	1.42	2.55								
	H25AU003	1.42	0.16	0.00	0.00	0.00	0.00	1.97	3.55								
	H25AU004	2.22	0.25	0.00	0.00	0.00	0.00	3.07	5.54								
	H25AU005	2.23	0.25	0.00	0.00	0.00	0.00	3.08	5.56								
	H25AX001	0.87	0.10	0.00	0.00	0.00	0.00	1.21	2.18								
	H25AX002	0.94	0.11	0.00	0.00	0.00	0.00	1.30	2.35								
	H25AX003	1.06	0.12	0.00	0.00	0.00	0.00	1.47	2.65								
	H25AX004	1.21	0.14	0.00	0.00	0.00	0.00	1.67	3.02								
	H25AX005	1.16	0.13	0.00	0.00	0.00	0.00	1.61	2.90								
	H25AX006	1.31	0.15	0.00	0.00	0.00	0.00	1.81	3.27								
	H25BS001	0.57	0.07	0.00	0.00	0.00	0.00	0.68	1.32								
	H25BS002	0.66	0.08	0.00	0.00	0.00	0.00	0.77	1.51								
	H25BS003	0.69	0.08	0.00	0.00	0.00	0.00	0.81	1.58								
	H25BS004	0.88	0.11	0.00	0.00	0.00	0.00	1.04	2.03								
	H25BS005	1.34	0.16	0.00	0.00	0.00	0.00	1.57	3.07								
	H25CA020	9.83	1.80	4.02	1.73	0.00	0.00	10.71	28.09	11.93	1.84	5.31	2.29	0.00	0.00	15.78	37.15
	H25CA021	10.20	1.87	4.27	1.84	0.00	0.00	11.12	29.30	12.39	1.91	5.65	2.44	0.00	0.00	16.39	38.78
	H25CA022	12.92	3.25	6.51	2.81	0.00	0.00	16.09	41.58	15.50	3.29	8.61	3.71	0.00	0.00	22.92	54.03
	H25CA023	16.46	4.14	6.51	2.81	0.00	0.00	20.50	50.42	19.75	4.19	8.61	3.71	0.00	0.00	29.21	65.47
	H25CA025	20.81	5.23	8.54	3.68	0.00	0.00	25.91	64.17	24.97	5.30	11.30	4.87	0.00	0.00	36.92	83.36
	H25CA027	22.09	5.55	11.29	4.87	0.00	0.00	27.51	71.31	26.50	5.63	14.93	6.44	0.00	0.00	39.19	92.69
	H25CA032	33.08	8.32	14.74	6.36	0.00	0.00	41.20	103.70	39.70	8.43	19.50	8.41	0.00	0.00	58.70	134.74
	H25CA033	28.46	11.06	19.01	5.17	0.00	0.00	48.72	112.42	36.05	11.17	25.15	6.84	0.00	0.00	70.13	149.34
	H25CA034	3.16	0.55	0.86	0.37	0.00	0.00	3.45	8.39	3.62	0.56	1.14	0.49	0.00	0.00	4.50	10.31
	H25CA035	3.67	0.64	1.27	0.55	0.00	0.00	4.00	10.13	4.19	0.65	1.68	0.72	0.00	0.00	5.22	12.46

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
H25	***cont.***																
	H25CA036	5.61	0.97	2.14	0.92	0.00	0.00	6.11	15.75	6.41	0.99	2.82	1.22	0.00	0.00	7.98	19.42
	H25CA038	8.33	1.53	2.75	1.19	0.00	0.00	9.08	22.88	10.12	1.56	3.63	1.57	0.00	0.00	13.38	30.26
	H25CA040	9.49	2.39	5.85	2.52	0.00	0.00	11.82	32.07	11.39	2.42	7.73	3.33	0.00	0.00	16.84	41.71
	H25CA041	33.71	11.11	19.57	4.88	0.00	0.00	52.45	121.72	39.95	11.21	25.89	6.45	0.00	0.00	68.40	151.90
	H25CA043	36.06	14.01	26.08	7.09	0.00	0.00	61.73	144.97	45.68	14.16	34.49	9.37	0.00	0.00	88.85	192.55
	H25CA052	12.30	1.38	0.00	1.50	0.00	0.00	15.31	30.49								
	H25CA053	16.62	1.87	0.00	1.60	0.00	0.00	20.69	40.78								
	H25CA054	21.39	2.40	0.00	3.00	0.00	0.00	26.63	53.42								
	H25CA055	3.20	0.36	0.00	0.40	0.00	0.00	3.99	7.95								
	H25CA056	35.04	3.93	0.00	3.00	0.00	0.00	43.62	85.59								
	H25CA057	10.88	1.22	0.00	0.80	0.00	0.00	13.54	26.44								
	H25CA058	2.63	0.29	0.00	0.50	0.00	0.00	3.63	7.05								
	H25CA059	9.53	1.07	0.00	0.60	0.00	0.00	13.19	24.39								
	H25CA060	14.02	1.57	0.00	0.75	0.00	0.00	19.40	35.74								
	H25CA061	12.23	1.37	0.00	0.75	0.00	0.00	16.92	31.27								
	H25CA062	22.33	2.51	0.00	0.90	0.00	0.00	30.90	56.64								
	H25CA063	16.00	1.80	0.00	0.90	0.00	0.00	22.14	40.84								
	H25CA064	19.44	2.18	0.00	1.00	0.00	0.00	26.89	49.51								
	H25KC016	11.61	2.13	4.78	2.06	0.00	0.00	12.65	33.23	14.10	2.17	6.32	2.73	0.00	0.00	18.65	43.97
	H25KC017	8.17	1.50	2.75	1.19	0.00	0.00	8.90	22.51	9.93	1.53	3.63	1.57	0.00	0.00	13.13	29.79
	H25KC019	12.88	3.24	7.27	3.13	0.00	0.00	16.03	42.55	15.45	3.28	9.62	4.15	0.00	0.00	22.85	55.35
	H25KC020	14.30	3.59	7.27	3.13	0.00	0.00	17.81	46.10	17.16	3.64	9.62	4.15	0.00	0.00	25.37	59.94
	H25KC021	15.13	3.80	8.95	3.86	0.00	0.00	18.84	50.58	18.15	3.85	11.83	5.10	0.00	0.00	26.84	65.77
	H25KC022	17.14	4.31	8.95	3.86	0.00	0.00	21.34	55.60	20.57	4.37	11.83	5.10	0.00	0.00	30.41	72.28
	H25KC023	21.31	5.36	12.10	5.22	0.00	0.00	26.53	70.52	25.57	5.43	16.00	6.90	0.00	0.00	37.81	91.71
	H25KC024	20.22	6.66	15.56	3.88	0.00	0.00	31.46	77.78	23.96	6.73	20.58	5.13	0.00	0.00	41.02	97.42
	H25KC026	21.18	6.98	16.01	3.99	0.00	0.00	32.95	81.11	25.10	7.05	21.18	5.28	0.00	0.00	42.97	101.58
	H25KM001	10.96	2.01	5.19	2.24	0.00	0.00	11.94	32.34	13.31	2.05	6.86	2.96	0.00	0.00	17.60	42.78
	H25KM003	16.72	3.06	5.44	2.35	0.00	0.00	18.21	45.78	20.30	3.12	7.19	3.10	0.00	0.00	26.85	60.56
	H25KM004	17.64	4.43	8.03	3.46	0.00	0.00	21.97	55.53	21.17	4.49	10.62	4.58	0.00	0.00	31.31	72.17
	H25KM005	24.53	6.17	11.79	5.08	0.00	0.00	30.55	78.12	29.43	6.25	15.60	6.73	0.00	0.00	43.52	101.53
	H25KM009	38.82	15.08	22.52	6.12	0.00	0.00	66.46	149.00	49.17	15.24	29.79	8.10	0.00	0.00	95.66	197.96
	H25KM010	53.80	20.90	31.06	8.44	0.00	0.00	92.11	206.31	68.15	21.12	41.08	11.16	0.00	0.00	132.57	274.08
	H25KM011	56.55	21.97	31.06	8.44	0.00	0.00	96.82	214.84	71.63	22.21	41.08	11.16	0.00	0.00	139.35	285.43
	H25KM012	15.43	3.88	6.76	2.92	0.00	0.00	19.21	48.20	18.51	3.93	8.94	3.86	0.00	0.00	27.37	62.61

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
H25	***cont.***																
	H25KM013	32.19	8.09	15.56	6.71	0.00	0.00	40.08	102.63	38.63	8.20	20.58	8.87	0.00	0.00	57.11	133.39
	H25KM015	35.78	11.80	19.52	4.87	0.00	0.00	55.68	127.65	42.41	11.90	25.82	6.44	0.00	0.00	72.60	159.17
	H25KM016	1.90	0.33	0.41	0.18	0.00	0.00	2.07	4.89	2.17	0.33	0.54	0.23	0.00	0.00	2.70	5.97
	H25KM017	2.56	0.44	0.76	0.33	0.00	0.00	2.78	6.87	2.92	0.45	1.01	0.44	0.00	0.00	3.64	8.46
	H25KM018	3.09	0.54	0.92	0.40	0.00	0.00	3.37	8.32	3.54	0.54	1.21	0.52	0.00	0.00	4.40	10.21
	H25KM019	3.31	0.57	1.32	0.57	0.00	0.00	3.61	9.38	3.78	0.58	1.75	0.75	0.00	0.00	4.71	11.57
	H25KM020	3.71	0.64	1.42	0.61	0.00	0.00	4.04	10.42	4.24	0.65	1.88	0.81	0.00	0.00	5.28	12.86
	H25KM021	4.60	0.80	1.88	0.81	0.00	0.00	5.01	13.10	5.26	0.81	2.49	1.07	0.00	0.00	6.55	16.18
	H25KM022	6.15	1.07	2.03	0.88	0.00	0.00	6.69	16.82	7.02	1.08	2.69	1.16	0.00	0.00	8.75	20.70
	H25KM023	7.12	1.23	2.80	1.21	0.00	0.00	7.75	20.11	8.13	1.25	3.70	1.60	0.00	0.00	10.13	24.81
	H25KM024	8.03	1.39	3.46	1.49	0.00	0.00	8.75	23.12	9.18	1.41	4.57	1.97	0.00	0.00	11.43	28.56
	H25KM025	10.64	1.84	4.12	1.78	0.00	0.00	11.59	29.97	12.15	1.87	5.45	2.35	0.00	0.00	15.14	36.96
	H25KM027	14.48	2.65	4.37	1.88	0.00	0.00	15.78	39.16	17.59	2.71	5.78	2.49	0.00	0.00	23.26	51.83
	H25KM028	12.83	2.35	5.44	2.35	0.00	0.00	13.98	36.95	15.58	2.40	7.19	3.10	0.00	0.00	20.61	48.88
	H25KM033	73.49	28.55	46.16	12.55	0.00	0.00	125.81	286.56	93.08	28.85	61.05	16.59	0.00	0.00	181.08	380.65
	H25KN001	3.87	0.43	0.00	0.50	0.00	0.00	5.35	10.15								
	H25KN002	5.34	0.60	0.00	0.50	0.00	0.00	7.38	13.82								
	H25KN003	6.51	0.73	0.00	0.50	0.00	0.00	9.01	16.75								
	H25KN004	7.48	0.84	0.00	0.50	0.00	0.00	10.35	19.17								
	H25KN005	10.64	1.19	0.00	1.00	0.00	0.00	14.72	27.55								
	H25KN006	15.08	1.69	0.00	1.00	0.00	0.00	20.87	38.64								
	H25KN007	0.59	0.07	0.00	0.15	0.00	0.00	0.81	1.62								
	H25KN009	1.19	0.13	0.00	0.15	0.00	0.00	1.64	3.11								
	H25KN010	1.71	0.19	0.00	0.15	0.00	0.00	2.37	4.42								
	H25LI001	8.31	1.52	2.75	1.19	0.00	0.00	9.05	22.82	10.09	1.55	3.63	1.57	0.00	0.00	13.35	30.19
	H25LI002	11.42	2.09	4.32	1.86	0.00	0.00	12.44	32.13	13.86	2.13	5.72	2.47	0.00	0.00	18.33	42.51
	H25LI003	10.29	1.88	4.52	1.95	0.00	0.00	11.21	29.85	12.49	1.92	5.98	2.58	0.00	0.00	16.52	39.49
	H25LI004	13.47	2.47	5.08	2.19	0.00	0.00	14.67	37.88	16.35	2.52	6.72	2.90	0.00	0.00	21.63	50.12
	H25LI005	12.06	2.21	5.13	2.21	0.00	0.00	13.14	34.75	14.65	2.25	6.79	2.93	0.00	0.00	19.37	45.99
	H25LI006	11.46	2.88	6.51	2.81	0.00	0.00	14.28	37.94	13.76	2.92	8.61	3.71	0.00	0.00	20.34	49.34
	H25LI007	14.68	3.69	7.78	3.35	0.00	0.00	18.28	47.78	17.61	3.74	10.29	4.44	0.00	0.00	26.04	62.12
	H25LI008	16.12	4.05	9.05	3.90	0.00	0.00	20.07	53.19	19.34	4.11	11.97	5.16	0.00	0.00	28.60	69.18
	H25LI009	18.25	4.59	12.20	5.26	0.00	0.00	22.73	63.03	21.91	4.65	16.14	6.96	0.00	0.00	32.39	82.05
	H25LI010	27.12	6.82	15.25	6.58	0.00	0.00	33.78	89.55	32.55	6.91	20.17	8.70	0.00	0.00	48.13	116.46
	H25LI011	29.77	11.56	22.27	6.05	0.00	0.00	50.96	120.61	37.71	11.69	29.45	8.00	0.00	0.00	73.35	160.20

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
H25	***cont.***																
	H25LU001	2.59	0.29	0.00	0.40	0.00	0.00	3.23	6.51								
	H25LU002	2.85	0.32	0.00	0.50	0.00	0.00	3.55	7.22								
	H25LU003	5.46	0.61	0.00	0.80	0.00	0.00	6.80	13.67								
	H25LU004	6.35	0.71	0.00	0.90	0.00	0.00	7.90	15.86								
	H25LU005	7.95	0.89	0.00	1.10	0.00	0.00	9.89	19.83								
	H25LU006	11.14	1.25	0.00	1.50	0.00	0.00	13.87	27.76								
	H25LU007	9.48	1.06	0.00	1.40	0.00	0.00	11.80	23.74								
	H25LU008	12.40	1.39	0.00	1.60	0.00	0.00	15.44	30.83								
	H25LU009	13.60	1.53	0.00	1.70	0.00	0.00	16.92	33.75								
	H25LU010	16.32	1.83	0.00	2.00	0.00	0.00	20.31	40.46								
	H25LU011	16.18	1.82	0.00	2.00	0.00	0.00	20.14	40.14								
	H25LU012	19.80	2.22	0.00	2.50	0.00	0.00	24.65	49.17								
	H25LU013	20.49	2.30	0.00	2.60	0.00	0.00	25.51	50.90								
	H25LU014	23.84	2.68	0.00	3.00	0.00	0.00	29.67	59.19								
	H25LU023	1.42	0.17	0.00	0.25	0.00	0.00	1.67	3.51								
	H25LU024	2.00	0.25	0.00	0.30	0.00	0.00	2.36	4.91								
	H25LU025	2.51	0.31	0.00	0.40	0.00	0.00	2.95	6.17								
	H25LU026	2.78	0.34	0.00	0.50	0.00	0.00	3.27	6.89								
	H25LU027	3.10	0.38	0.00	0.60	0.00	0.00	3.65	7.73								
	H25LU028	3.96	0.49	0.00	0.70	0.00	0.00	4.66	9.81								
	H25LU034	5.85	0.72	0.00	0.80	0.00	0.00	6.88	14.25								
	H25LU035	6.18	0.76	0.00	0.90	0.00	0.00	7.27	15.11								
	H25LU036	6.51	0.80	0.00	1.00	0.00	0.00	7.65	15.96								
	H25LU040	13.39	1.50	0.00	0.75	0.00	0.00	18.53	34.17								
	H25LU041	16.40	1.84	0.00	0.75	0.00	0.00	22.68	41.67								
	H25LU042	19.41	2.18	0.00	1.50	0.00	0.00	26.85	49.94								
	H25LU046	3.14	0.35	0.00	0.50	0.00	0.00	4.35	8.34								
	H25LU047	3.62	0.41	0.00	0.60	0.00	0.00	5.01	9.64								
	H25LU048	4.09	0.46	0.00	0.70	0.00	0.00	5.66	10.91								
	H25LU049	4.95	0.56	0.00	0.80	0.00	0.00	6.85	13.16								
	H25LU050	6.03	0.68	0.00	0.90	0.00	0.00	8.34	15.95								
	H25LU053	14.07	1.58	0.00	0.75	0.00	0.00	19.47	35.87								
	H25LU054	17.35	1.95	0.00	0.75	0.00	0.00	24.00	44.05								
	H25ME001	2.44	0.42	0.76	0.33	0.00	0.00	2.66	6.61	2.79	0.43	1.01	0.44	0.00	0.00	3.47	8.14
	H25ME002	3.61	0.63	2.03	0.88	0.00	0.00	3.94	11.09	4.13	0.64	2.69	1.16	0.00	0.00	5.14	13.76

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
H25	***cont.***																
	H25ME003	5.00	0.87	2.69	1.16	0.00	0.00	5.44	15.16	5.71	0.88	3.56	1.54	0.00	0.00	7.11	18.80
	H25WN001	0.81	0.10	0.00	0.00	0.00	0.00	0.96	1.87								
	H25WN002	0.91	0.10	0.00	0.00	0.00	0.00	1.26	2.27								
	H25WN003	1.00	0.11	0.00	0.00	0.00	0.00	1.38	2.49								
	H25WN004	1.09	0.12	0.00	0.00	0.00	0.00	1.51	2.72								
	H25WN005	1.23	0.14	0.00	0.00	0.00	0.00	1.71	3.08								
H30																	
	H30CA005	16.73	2.99	6.23	2.55	1.52	0.24	13.13	43.39	20.59	3.06	7.95	3.25	5.48	0.88	17.77	58.98
	H30CA006	13.14	2.35	5.37	2.19	1.16	0.19	10.31	34.71	16.17	2.40	6.86	2.80	4.18	0.67	13.95	47.03
	H30CA007	13.94	2.49	5.42	2.22	1.16	0.19	10.94	36.36	17.16	2.55	6.92	2.83	4.18	0.67	14.80	49.11
	H30CA008	15.50	3.40	6.18	2.53	3.04	0.49	14.58	45.72	19.38	3.47	7.89	3.23	10.95	1.76	19.77	66.45
	H30GA006	26.24	4.64	8.51	3.48	1.37	0.22	20.54	65.00	32.29	4.75	10.71	4.38	4.83	0.78	27.79	85.53
	H30GA008	24.48	5.35	10.18	4.16	3.94	0.63	23.02	71.76	30.60	5.46	12.80	5.23	13.94	2.24	31.19	101.46
	H30KM001	15.17	3.27	5.85	2.39	0.78	0.13	14.21	41.80	18.97	3.34	7.46	3.05	2.82	0.45	19.27	55.36
H35																	
	H35CA001	49.44	14.74	21.56	5.86	0.00	0.00	86.58	178.18	56.50	14.86	28.51	7.75	0.00	0.00	107.21	214.83
	H35HI002	97.32	29.03	50.84	13.82	0.00	0.00	170.44	361.45	111.23	29.26	67.24	18.27	0.00	0.00	211.05	437.05
	H35HI003	199.95	59.64	83.07	22.58	0.00	0.00	350.16	715.40	228.51	60.11	109.87	29.86	0.00	0.00	433.60	861.95
	H35HI004	49.78	14.85	22.06	6.00	0.00	0.00	87.18	179.87	56.89	14.96	29.18	7.93	0.00	0.00	107.96	216.92
	H35HI006	55.58	16.58	32.59	8.86	0.00	0.00	97.33	210.94	63.51	16.71	43.10	11.71	0.00	0.00	120.52	255.55
	H35OK001	36.16	10.78	30.86	8.39	0.00	0.00	63.32	149.51	41.32	10.87	40.81	11.09	0.00	0.00	78.41	182.50
	H35OK003	73.54	21.93	51.76	14.07	0.00	0.00	128.78	290.08	84.04	22.11	68.45	18.60	0.00	0.00	159.47	352.67
	H35OK004	117.31	34.99	65.08	17.69	0.00	0.00	205.43	440.50	134.06	35.26	86.07	23.39	0.00	0.00	254.39	533.17
	H35OK005	221.23	65.98	114.39	31.09	0.00	0.00	387.42	820.11	252.83	66.50	151.29	41.12	0.00	0.00	479.74	991.48
L10																	
	L10BS002	1.96	0.38	0.00	0.30	0.00	0.00	2.54	5.18	2.79	0.39	0.00	0.30	0.00	0.00	4.04	7.52
	L10BS004	0.67	0.13	0.00	0.25	0.00	0.00	0.88	1.93	0.96	0.14	0.00	0.25	0.00	0.00	1.39	2.74
	L10BS005	1.78	0.34	0.00	0.30	0.00	0.00	2.31	4.73	2.54	0.36	0.00	0.30	0.00	0.00	3.67	6.87
	L10BS007	2.51	0.48	0.00	0.50	0.00	0.00	3.27	6.76	3.59	0.50	0.00	0.50	0.00	0.00	5.19	9.78
	L10BU005	0.55	0.11	0.00	1.10	0.00	0.00	0.72	2.48	0.79	0.11	0.00	1.10	0.00	0.00	1.14	3.14
	L10BU009	0.34	0.07	0.00	0.90	0.00	0.00	0.44	1.75	0.49	0.07	0.00	0.90	0.00	0.00	0.70	2.16
	L10BU010	0.44	0.09	0.00	0.80	0.00	0.00	0.58	1.91	0.63	0.09	0.00	0.80	0.00	0.00	0.92	2.44
	L10BU011	0.90	0.17	0.00	1.50	0.00	0.00	1.16	3.73	1.28	0.18	0.00	1.50	0.00	0.00	1.85	4.81

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
L10	***cont.***																
	L10BU012	1.14	0.22	0.00	2.00	0.00	0.00	1.48	4.84	1.63	0.23	0.00	2.00	0.00	0.00	2.36	6.22
	L10BU013	1.38	0.27	0.00	2.50	0.00	0.00	1.80	5.95	1.98	0.28	0.00	2.50	0.00	0.00	2.86	7.62
	L10RM001	2.79	0.54	0.00	0.40	0.00	0.00	3.63	7.36	3.99	0.56	0.00	0.40	0.00	0.00	5.77	10.72
	L10RM002	2.66	0.51	0.00	0.00	0.00	0.00	3.47	6.64	3.80	0.53	0.00	0.00	0.00	0.00	5.50	9.83
	L10VE002	1.20	0.24	3.47	1.18	0.04	0.01	1.56	7.70	1.71	0.24	4.50	1.53	0.14	0.02	2.48	10.62
	L10VE005	0.84	0.17	1.33	0.45	0.03	0.00	1.10	3.92	1.20	0.17	1.72	0.59	0.09	0.01	1.75	5.53
	L10VE006	1.87	0.36	2.04	0.69	0.03	0.00	2.43	7.42	2.67	0.38	2.65	0.90	0.09	0.01	3.86	10.56
	L10VE007	1.68	0.32	0.00	1.50	0.00	0.00	2.18	5.68	2.39	0.34	0.00	1.50	0.00	0.00	3.46	7.69
	L10VE009	2.36	0.46	7.65	2.60	0.03	0.00	3.08	16.18	3.37	0.48	9.92	3.38	0.09	0.01	4.88	22.13
	L10VE010	0.94	0.18	2.55	0.87	0.02	0.00	1.22	5.78	1.34	0.19	3.31	1.13	0.07	0.01	1.94	7.99
L15																	
	L15BW001	2.90	0.24	3.40	0.92	0.04	0.01	2.82	10.33								
	L15BW002	5.22	0.43	4.76	1.29	0.08	0.01	5.06	16.85								
	L15BW003	5.99	0.49	6.80	1.85	0.08	0.01	5.81	21.03								
	L15BW004	8.62	0.69	5.61	1.52	0.00	0.00	8.34	24.78								
	L15FG001	9.76	0.78	9.84	2.68	0.00	0.00	9.45	32.51								
	L15HZ001	0.21	0.02	0.41	0.11	0.00	0.00	0.20	0.95								
	L15JD001	1.75	0.16	2.72	0.74	0.46	0.07	1.73	7.63								
	L15JD002	2.84	0.25	2.99	0.81	0.50	0.08	2.79	10.26								
	L15JD003	4.42	0.38	1.74	0.47	0.55	0.09	4.32	11.97								
	L15JD004	3.61	0.31	1.37	0.37	0.50	0.08	3.53	9.77								
	L15TO001	0.25	0.02	0.82	0.22	0.00	0.00	0.25	1.56								
	L15TO002	0.61	0.05	1.77	0.48	0.07	0.01	0.60	3.59								
	L15TO003	1.52	0.13	2.31	0.63	0.07	0.01	1.48	6.15								
	L15TO004	1.68	0.14	2.59	0.70	0.08	0.01	1.63	6.83								
	L15TO006	2.86	0.24	3.67	1.00	0.21	0.03	2.78	10.79								
	L15TO007	3.22	0.27	3.67	1.00	0.21	0.03	3.13	11.53								
	L15WI001	1.25	0.10	0.00	0.05	0.04	0.01	1.22	2.67								
L20																	
	L20AB017	1.17	0.19	0.74	0.20	0.04	0.01	2.60	4.95								
	L20AB018	1.23	0.20	0.94	0.26	0.04	0.01	2.72	5.40								
	L20AB019	1.31	0.21	0.94	0.26	0.04	0.01	2.90	5.67								
	L20AB020	1.05	0.17	0.74	0.20	0.04	0.01	2.31	4.52								
	L20AB021	1.10	0.18	0.94	0.26	0.04	0.01	2.44	4.97								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
L20	***cont.***																
	L20AB022	1.28	0.20	0.94	0.26	0.04	0.01	2.82	5.55								
	L20AB023	0.49	0.08	0.00	0.00	0.03	0.00	1.09	1.69								
	L20AB024	0.55	0.09	0.00	0.00	0.03	0.00	1.22	1.89								
L25																	
	L25JE001	0.97	0.15	1.89	0.51	0.00	0.00	1.72	5.24								
	L25JE002	8.16	1.31	0.00	0.00	0.37	0.06	14.45	24.35								
	L25MB002	0.49	0.08	0.73	1.20	0.10	0.02	0.88	3.50								
	L25MB004	9.95	1.59	27.65	9.01	0.37	0.06	17.60	66.23								
	L25MB005	0.90	0.15	1.46	1.40	0.10	0.02	1.60	5.63								
	L25MB006	7.93	1.25	8.73	3.62	0.00	0.00	13.98	35.51								
	L25MB007	4.31	0.68	3.35	1.91	0.00	0.00	7.61	17.86								
	L25MB008	18.35	3.00	27.65	9.01	1.71	0.27	32.59	92.58								
L30																	
	L30HW015	9.34	1.85	1.14	0.58	0.64	0.10	13.80	27.45	11.67	1.89	1.49	0.76	2.03	0.33	18.98	37.15
	L30KB001	2.22	0.45	0.68	0.35	0.26	0.04	3.30	7.30	2.78	0.46	0.89	0.45	0.82	0.13	4.54	10.07
	L30KB002	2.37	0.48	0.68	0.35	0.26	0.04	3.52	7.70	2.97	0.49	0.89	0.45	0.82	0.13	4.84	10.59
	L30RA001	4.03	0.80	1.27	0.40	0.28	0.04	5.96	12.78	5.04	0.82	1.68	0.53	0.88	0.14	8.20	17.29
	L30S4001	1.24	0.24	0.68	0.35	0.00	0.00	1.82	4.33	1.54	0.24	0.89	0.45	0.00	0.00	2.50	5.62
	L30S4002	1.42	0.27	0.00	0.00	0.00	0.00	2.09	3.78	1.78	0.28	0.00	0.00	0.00	0.00	2.87	4.93
	L30S4003	0.10	0.02	0.00	0.00	0.00	0.00	0.14	0.26	0.12	0.02	0.00	0.00	0.00	0.00	0.20	0.34
	L30S4004	0.17	0.03	0.00	0.00	0.00	0.00	0.25	0.45	0.21	0.03	0.00	0.00	0.00	0.00	0.35	0.59
	L30TS001	2.05	0.42	0.55	0.28	0.36	0.06	3.05	6.77	2.56	0.43	0.71	0.36	1.16	0.19	4.20	9.61
L35																	
	L35CA005	13.69	2.64	6.75	2.91	0.00	0.00	21.77	47.76	17.11	2.70	8.73	3.76	0.00	0.00	30.93	63.23
	L35CA007	26.66	5.14	11.60	5.00	0.00	0.00	42.40	90.80	33.33	5.26	15.01	6.47	0.00	0.00	60.24	120.31
	L35CA011	6.22	1.20	3.90	1.68	0.00	0.00	9.89	22.89	7.78	1.23	5.05	2.18	0.00	0.00	14.06	30.30
	L35CA012	7.46	1.44	3.90	1.68	0.00	0.00	11.86	26.34	9.32	1.47	5.05	2.18	0.00	0.00	16.85	34.87
	L35CA013	7.79	1.50	5.02	2.16	0.00	0.00	12.38	28.85	9.74	1.54	6.49	2.80	0.00	0.00	17.60	38.17
	L35CA014	18.06	3.48	8.92	3.85	0.00	0.00	28.71	63.02	22.57	3.56	11.55	4.98	0.00	0.00	40.79	83.45
	L35KM006	29.67	5.72	11.15	4.81	0.00	0.00	47.18	98.53	37.09	5.85	14.43	6.22	0.00	0.00	67.05	130.64
L40																	
	L40CA007	23.34	6.16	15.25	5.19	6.50	1.04	23.81	81.29	26.26	6.21	20.17	6.86	23.39	3.75	28.71	115.35
	L40CA008	34.92	9.28	21.86	7.44	7.27	1.17	35.67	117.61	39.28	9.35	28.91	9.84	26.19	4.20	43.00	160.77

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
L40	***cont.***																
	L40CA009	80.27	21.28	40.67	13.84	9.89	1.59	81.95	249.49	90.30	21.45	53.79	18.30	35.62	5.72	98.80	323.98
	L40CA012	9.78	2.12	6.36	3.03	1.04	0.17	12.88	35.38	10.57	2.13	8.41	4.00	3.74	0.60	14.74	44.19
	L40CA013	7.56	1.65	4.58	2.18	1.15	0.18	9.98	27.28	8.18	1.66	6.05	2.88	4.13	0.66	11.43	34.99
	L40CA014	17.35	3.74	10.17	4.84	1.56	0.25	22.84	60.75	18.76	3.77	13.45	6.40	5.63	0.90	26.14	75.05
	L40CA015	9.93	2.01	6.36	3.03	1.04	0.17	10.78	33.32	10.50	2.01	8.41	4.00	3.74	0.60	13.02	42.28
	L40CA018	57.65	15.38	31.42	10.69	8.19	1.31	58.94	183.58	64.86	15.50	41.55	14.14	29.48	4.73	71.05	241.31
	L40CA019	7.14	1.46	4.52	2.15	1.15	0.18	7.77	24.37	7.55	1.46	5.98	2.85	4.13	0.66	9.38	32.01
	L40CA022	8.51	1.72	5.69	2.71	1.04	0.17	9.25	29.09	9.00	1.73	7.53	3.59	3.74	0.60	11.16	37.35
	L40CA023	11.94	2.47	8.13	3.87	2.67	0.43	13.04	42.55	12.63	2.48	10.76	5.12	9.61	1.54	15.74	57.88
	L40CA024	15.70	3.25	9.15	4.36	3.77	0.61	17.16	54.00	16.60	3.27	12.10	5.76	13.57	2.18	20.71	74.19
	L40CA025	16.39	3.39	10.17	4.84	3.77	0.61	17.91	57.08	17.33	3.41	13.45	6.40	13.57	2.18	21.62	77.96
	L40CA026	16.14	4.28	11.85	4.03	4.95	0.79	16.48	58.52	18.16	4.31	15.67	5.33	17.82	2.86	19.87	84.02
	L40CA027	18.47	4.87	13.47	4.58	4.95	0.79	18.84	65.97	20.78	4.91	17.82	6.06	17.82	2.86	22.71	92.96
	L40CA028	2.21	0.36	2.73	1.30	0.34	0.05	2.57	9.56								
	L40CA029	2.61	0.42	3.01	1.43	0.34	0.05	3.03	10.89								
	L40CA030	2.84	0.47	3.29	1.57	0.59	0.09	3.31	12.16								
	L40CA031	3.04	0.50	4.13	1.97	0.59	0.09	3.54	13.86								
	L40CA032	5.17	1.06	2.29	1.09	0.56	0.09	5.63	15.89	5.47	1.06	3.03	1.44	2.00	0.32	6.80	20.12
	L40CA033	5.72	1.16	3.05	1.45	0.56	0.09	6.22	18.25	6.04	1.17	4.03	1.92	2.00	0.32	7.51	22.99
	L40CA034	6.11	1.28	4.17	1.99	2.33	0.37	6.70	22.95	6.46	1.29	5.51	2.62	8.38	1.34	8.08	33.68
	L40CS009	10.57	2.18	6.86	3.27	2.32	0.37	11.53	37.10	11.17	2.19	9.08	4.32	8.35	1.34	13.93	50.38
	L40CS010	12.75	2.61	9.20	4.38	2.32	0.37	13.90	45.53	13.48	2.63	12.17	5.79	8.35	1.34	16.78	60.54
	L40CS011	16.07	3.30	9.51	4.53	3.15	0.51	17.53	54.60	16.99	3.32	12.57	5.99	11.34	1.82	21.16	73.19
	L40KM001	9.03	1.84	5.34	2.54	1.23	0.20	9.82	30.00	9.55	1.84	7.06	3.36	4.43	0.71	11.86	38.81
	L40KM002	10.48	2.12	6.00	2.86	1.23	0.20	11.39	34.28	11.08	2.13	7.93	3.78	4.43	0.71	13.75	43.81
	L40KM003	12.73	2.57	6.86	3.27	1.23	0.20	13.82	40.68	13.46	2.58	9.08	4.32	4.43	0.71	16.68	51.26
	L40KM004	14.80	3.03	8.80	4.19	2.67	0.43	16.13	50.05	15.65	3.05	11.63	5.54	9.61	1.54	19.47	66.49
	L40KM005	18.96	3.91	10.42	4.96	4.10	0.66	20.70	63.71	20.04	3.93	13.78	6.56	14.78	2.37	24.99	86.45
	L40KM006	15.52	4.09	11.69	3.98	4.10	0.66	15.83	55.87	17.46	4.12	15.47	5.26	14.78	2.37	19.08	78.54
	L40KM007	18.51	4.88	13.78	4.69	3.17	0.51	18.88	64.42	20.83	4.92	18.22	6.20	11.40	1.83	22.76	86.16
	L40KM008	25.39	6.73	17.03	5.79	4.93	0.79	25.92	86.58	28.56	6.78	22.53	7.67	17.74	2.85	31.25	117.38
	L40KM009	33.20	8.94	24.91	8.48	5.62	0.90	34.01	116.06	37.35	9.01	32.95	11.21	20.24	3.25	41.00	155.01
	L40KM010	64.96	17.38	34.77	11.83	9.82	1.58	66.45	206.79	73.08	17.51	45.99	15.65	35.36	5.68	80.11	273.38
	L40KM011	84.25	22.39	43.37	14.76	11.04	1.77	86.07	263.65	94.78	22.57	57.36	19.52	39.73	6.38	103.76	344.10
	L40KM012	10.03	2.18	6.00	2.86	1.23	0.20	13.23	35.73	10.85	2.19	7.93	3.78	4.43	0.71	15.14	45.03

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
L40	***cont.***																
	L40KM013	11.53	2.54	6.86	3.27	2.40	0.39	15.25	42.24	12.46	2.56	9.08	4.32	8.63	1.39	17.46	55.90
	L40KM014	4.52	0.94	2.54	1.21	0.79	0.13	4.95	15.08	4.78	0.95	3.36	1.60	2.84	0.46	5.97	19.96
	L40KM015	5.54	1.16	3.81	1.81	1.08	0.17	6.07	19.64	5.85	1.17	5.04	2.40	3.88	0.62	7.33	26.29
	L40ME012	1.93	0.31	2.43	1.16	0.18	0.03	2.24	8.28								
	L40ME016	1.12	0.18	0.88	0.42	0.13	0.02	1.30	4.05								
	L40ME017	1.53	0.25	1.25	0.60	0.26	0.04	1.78	5.71								
	L40ME018	1.65	0.27	2.12	1.01	0.18	0.03	1.92	7.18								
	L40ME019	2.60	0.43	4.07	1.94	0.59	0.09	3.04	12.76								
	L40ME020	4.39	0.73	5.85	2.79	1.34	0.22	5.13	20.45								
L50																	
	L50CA001	4.08	0.89	3.15	1.14	0.35	0.06	5.07	14.74	6.81	0.94	4.46	1.62	1.23	0.20	8.98	24.24
	L50CA004	7.64	1.66	4.33	1.57	0.57	0.09	9.48	25.34	12.74	1.75	6.13	2.22	2.01	0.32	16.80	41.97
	L50CS005	5.92	1.28	3.54	1.28	0.36	0.06	7.34	19.78	9.87	1.35	5.02	1.82	1.30	0.21	13.00	32.57
	L50CS006	7.03	1.54	3.90	1.41	0.65	0.10	8.75	23.38	11.72	1.63	5.52	2.00	2.30	0.37	15.49	39.03
	L50JC001	4.05	0.90	2.64	0.96	0.72	0.12	5.06	14.45	6.75	0.95	3.74	1.36	2.59	0.42	8.97	24.78
	L50JC002	4.36	0.97	3.62	1.31	0.53	0.09	5.44	16.32	7.27	1.02	5.13	1.86	1.87	0.30	9.63	27.08
	L50JC003	5.64	1.23	3.94	1.43	0.58	0.09	7.01	19.92	9.41	1.30	5.58	2.02	2.09	0.34	12.42	33.16
	L50JC005	6.29	1.37	3.94	1.43	0.58	0.09	7.81	21.51	10.49	1.45	5.58	2.02	2.09	0.34	13.84	35.81
	L50JC007	8.24	1.78	3.94	1.43	0.57	0.09	10.21	26.26	13.73	1.88	5.58	2.02	2.06	0.33	18.08	43.68
L55																	
	L55KN001	0.84	0.10	0.00	0.52	0.00	0.00	1.24	2.70								
	L55KN002	1.74	0.21	0.00	1.06	0.00	0.00	2.56	5.57								
	L55KN003	3.77	0.46	0.00	2.01	0.00	0.00	5.54	11.78								
L60																	
	L60CA010	23.70	4.16	7.63	2.42	0.00	0.00	22.72	60.63	29.62	4.26	10.09	3.21	0.00	0.00	32.44	79.62
	L60CA011	28.35	4.98	7.63	2.42	0.00	0.00	27.19	70.57	35.44	5.10	10.09	3.21	0.00	0.00	38.82	92.66
	L60CA013	16.07	2.89	8.13	2.58	1.01	0.16	15.46	46.30	20.09	2.95	10.76	3.42	3.51	0.56	22.08	63.37
	L60CA014	20.62	3.62	6.10	1.94	0.00	0.00	19.77	52.05	25.77	3.71	8.07	2.56	0.00	0.00	28.23	68.34
	L60JD001	10.62	1.94	6.05	1.92	1.36	0.22	10.24	32.35	13.28	1.98	8.00	2.54	4.89	0.78	14.62	46.09
	L60JD002	12.69	2.30	7.68	2.44	1.36	0.22	12.22	38.91	15.86	2.35	10.15	3.23	4.89	0.78	17.45	54.71
	L60JD003	10.35	1.89	6.05	1.92	1.36	0.22	9.98	31.77	12.94	1.93	8.00	2.54	4.89	0.78	14.26	45.34
	L60JD004	13.66	2.51	8.13	2.58	2.21	0.35	13.19	42.63	17.07	2.57	10.76	3.42	7.96	1.28	18.83	61.89
	L60JD006	16.81	3.05	8.64	2.75	1.81	0.29	16.19	49.54	21.01	3.12	11.43	3.63	6.52	1.05	23.12	69.88

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
L60	***cont.***																
	L60JD007	18.46	3.33	10.17	3.23	1.81	0.29	17.77	55.06	23.07	3.41	13.45	4.27	6.52	1.05	25.38	77.15
	L60JD008	25.01	4.39	8.64	2.75	0.00	0.00	23.98	64.77	31.26	4.50	11.43	3.63	0.00	0.00	34.24	85.06
M10																	
	M10MZ001	2.06	0.21	0.00	0.00	0.00	0.00	1.38	3.65								
	M10MZ003	2.54	0.26	0.00	0.00	0.00	0.00	1.70	4.50								
	M10MZ005	0.59	0.26	0.00	0.00	0.00	0.00	0.47	1.32								
	M10MZ007	0.60	0.27	0.00	0.00	0.00	0.00	0.49	1.36								
	M10MZ010	2.09	0.57	7.12	3.07	0.00	0.00	2.09	14.94	2.58	0.58	9.41	4.06	0.00	0.00	2.75	19.38
	M10MZ011	2.96	0.80	10.68	4.61	0.00	0.00	2.95	22.00	3.64	0.81	14.12	6.09	0.00	0.00	3.89	28.55
	M10SM001	2.54	0.69	16.73	6.07	0.00	0.00	2.53	28.56	3.13	0.70	21.83	7.92	0.00	0.00	3.34	36.92
	M10SM003	3.16	0.86	22.30	8.09	0.00	0.00	3.14	37.55	3.88	0.87	29.11	10.56	0.00	0.00	4.15	48.57
	M10SM004	3.39	0.92	27.88	10.11	0.00	0.00	3.38	45.68	4.17	0.93	36.38	13.20	0.00	0.00	4.46	59.14
	M10SM005	1.17	0.32	12.82	4.65	0.00	0.00	1.17	20.13	1.44	0.32	16.74	6.07	0.00	0.00	1.54	26.11
	M10SM008	2.13	0.58	22.30	8.09	0.00	0.00	2.12	35.22	2.62	0.58	29.11	10.56	0.00	0.00	2.80	45.67
	M10XX001	0.15	0.07	0.00	0.00	0.00	0.00	0.12	0.34								
	M10XX002	0.48	0.22	0.00	0.00	0.00	0.00	0.39	1.09								
	M10XX003	0.58	0.26	0.00	0.00	0.00	0.00	0.47	1.31								
	M10XX004	0.94	0.42	0.00	0.00	0.00	0.00	0.76	2.12								
	M10XX005	1.43	1.69	0.00	0.00	0.00	0.00	1.09	4.21								
	M10XX006	2.01	2.38	0.00	0.00	0.00	0.00	1.54	5.93								
	M10XX007	2.56	3.03	0.00	0.00	0.00	0.00	1.96	7.55								
	M10XX008	3.55	4.21	0.00	0.00	0.00	0.00	2.72	10.48								
	M10XX009	0.64	0.17	5.58	2.02	0.00	0.00	0.64	9.05	0.78	0.17	7.28	2.64	0.00	0.00	0.84	11.71
	M10XX010	2.15	0.58	3.81	1.64	0.00	0.00	2.15	10.33	2.65	0.59	5.04	2.17	0.00	0.00	2.83	13.28
	M10XX011	2.47	0.67	5.08	2.19	0.00	0.00	2.46	12.87	3.04	0.68	6.72	2.90	0.00	0.00	3.24	16.58
	M10XX012	2.51	0.68	5.08	2.19	0.00	0.00	2.51	12.97	3.09	0.69	6.72	2.90	0.00	0.00	3.31	16.71
	M10XX013	3.25	0.88	5.85	2.52	0.00	0.00	3.24	15.74	4.00	0.89	7.73	3.33	0.00	0.00	4.28	20.23
	M10XX014	4.46	1.21	8.90	3.84	0.00	0.00	4.44	22.85	5.49	1.22	11.77	5.08	0.00	0.00	5.86	29.42
	M10XX015	5.59	1.51	12.71	5.48	0.00	0.00	5.57	30.86	6.88	1.53	16.81	7.25	0.00	0.00	7.35	39.82
	M10XX016	6.41	2.60	0.00	0.00	0.00	0.00	5.72	14.73								
	M10XX017	6.78	2.75	0.00	0.00	0.00	0.00	6.04	15.57								
	M10XX018	8.44	3.43	0.00	0.00	0.00	0.00	7.53	19.40								
	M10XX019	8.63	3.50	0.00	0.00	0.00	0.00	7.69	19.82								
	M10XX021	14.01	3.85	19.32	8.33	0.00	0.00	15.07	60.58	16.82	3.90	25.55	11.02	0.00	0.00	19.23	76.52

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
M10	***cont.***																
	M10XX022	15.96	4.38	22.12	9.54	0.00	0.00	17.16	69.16	19.15	4.44	29.25	12.61	0.00	0.00	21.89	87.34
	M10XX023	21.39	5.88	20.34	8.77	0.00	0.00	23.01	79.39	25.67	5.96	26.90	11.60	0.00	0.00	29.35	99.48
	M10XX024	30.51	8.38	22.12	9.54	0.00	0.00	32.81	103.36	36.61	8.50	29.25	12.61	0.00	0.00	41.86	128.83
P10																	
	P10IC001	10.57	1.72	8.90	3.23	0.00	0.00	15.30	39.72								
	P10IC002	16.64	2.72	15.25	5.53	0.00	0.00	24.09	64.23								
	P10IC005	42.91	7.00	40.67	14.75	0.00	0.00	62.12	167.45								
	P10IC010	2.19	0.36	0.00	0.00	0.00	0.00	3.17	5.72								
	P10IC011	4.25	0.69	0.66	0.24	0.00	0.00	6.15	11.99								
	P10IC012	2.64	0.43	0.00	0.00	0.00	0.00	3.82	6.89								
	P10IC013	4.60	0.75	1.45	0.53	0.00	0.00	6.66	13.99								
P20																	
	P20IC001	5.07	0.68	0.00	1.25	0.00	0.00	8.75	15.75								
	P20IC002	11.67	1.57	0.00	1.90	0.00	0.00	20.13	35.27								
	P20IC003	11.18	1.50	0.00	2.50	0.00	0.00	19.30	34.48								
	P20IC004	11.90	1.60	0.00	3.15	0.00	0.00	20.53	37.18								
	P20MK001	6.04	0.81	0.00	1.25	0.00	0.00	10.42	18.52								
	P20MK002	2.79	0.34	0.00	0.50	0.00	0.00	4.52	8.15								
	P20MK003	3.25	0.40	0.00	1.00	0.00	0.00	5.26	9.91								
	P20MK004	4.10	0.50	0.00	1.25	0.00	0.00	6.63	12.48								
	P20MK005	6.44	0.79	0.00	1.25	0.00	0.00	10.42	18.90								
	P20MK006	7.51	0.92	0.00	2.50	0.00	0.00	12.14	23.07								
	P20MK007	8.02	0.98	0.00	2.50	0.00	0.00	12.97	24.47								
P25																	
	P25DL001	6.15	0.75	0.00	0.95	0.00	0.00	9.04	16.89								
	P25DL003	7.35	0.90	0.00	1.20	0.00	0.00	10.80	20.25								
	P25DL004	8.38	1.03	0.00	1.80	0.00	0.00	12.31	23.52								
	P25DL005	11.51	1.41	0.00	2.65	0.00	0.00	16.92	32.49								
	P25DL006	11.92	1.46	0.00	3.30	0.00	0.00	17.52	34.20								
	P25DL008	14.61	1.79	0.00	5.30	0.00	0.00	21.48	43.18								
	P25DL009	22.10	2.71	0.00	6.60	0.00	0.00	32.49	63.90								
	P25DL010	32.39	3.97	0.00	8.25	0.00	0.00	47.61	92.22								
	P25DL011	34.65	4.25	0.00	9.90	0.00	0.00	50.94	99.74								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
P25	***cont.***																
	P25IC001	8.40	1.03	0.00	2.20	0.00	0.00	12.35	23.98								
	P25IC002	10.18	1.25	0.00	3.45	0.00	0.00	14.96	29.84								
	P25IC003	16.15	1.98	0.00	4.40	0.00	0.00	23.74	46.27								
	P25IC004	18.90	2.32	0.00	5.30	0.00	0.00	27.78	54.30								
	P25IC005	24.58	3.01	0.00	6.25	0.00	0.00	36.13	69.97								
	P25IC006	29.39	3.60	0.00	7.20	0.00	0.00	43.20	83.39								
	P25MK001	8.05	0.99	0.00	2.50	0.00	0.00	11.84	23.38								
	P25MK002	8.43	1.03	0.00	2.50	0.00	0.00	12.40	24.36								
	P25MK003	12.54	1.54	0.00	4.15	0.00	0.00	18.43	36.66								
	P25VU002	8.38	0.94	0.00	2.50	0.00	0.00	11.59	23.41								
	P25VU003	10.33	1.16	0.00	2.50	0.00	0.00	14.30	28.29								
	P25VU004	10.55	1.18	0.00	2.50	0.00	0.00	14.59	28.82								
	P25VU005	14.16	1.59	0.00	2.50	0.00	0.00	19.59	37.84								
	P25VU010	14.53	1.63	0.00	0.95	0.00	0.00	20.11	37.22								
	P25VU011	14.73	1.65	0.00	1.17	0.00	0.00	20.38	37.93								
P30																	
	P30MK001	11.65	1.43	9.41	3.41	0.00	0.00	17.12	43.02								
	P30MK003	20.30	2.49	16.52	5.99	0.00	0.00	29.84	75.14								
	P30MK004	34.52	4.23	30.50	11.06	0.00	0.00	50.74	131.05								
P35																	
	P35CA001	10.85	2.85	3.07	1.39	0.00	0.00	14.91	33.07	13.21	2.89	3.97	1.80	0.00	0.00	21.00	42.87
	P35CA006	34.03	8.95	11.71	5.31	0.00	0.00	46.75	106.75	41.43	9.08	15.15	6.87	0.00	0.00	65.87	138.40
	P35CA008	20.35	5.35	6.41	2.91	0.00	0.00	27.95	62.97	24.77	5.43	8.30	3.77	0.00	0.00	39.39	81.66
	P35CA009	26.24	6.90	8.50	3.86	0.00	0.00	36.05	81.55	31.95	7.00	11.00	4.99	0.00	0.00	50.80	105.74
P40																	
	P40BX001	1.24	0.16	0.00	0.05	0.00	0.00	1.29	2.74								
	P40GW016	12.96	1.72	2.36	0.75	0.31	0.05	13.46	31.61								
	P40GW017	20.16	2.71	3.94	1.25	2.89	0.46	20.97	52.38								
	P40GW018	24.64	3.32	4.33	1.38	4.61	0.74	25.63	64.65								
	P40GW019	30.07	4.04	3.94	1.25	4.61	0.74	31.26	75.91								
	P40GW020	5.26	0.77	0.39	0.20	3.45	0.55	5.52	16.14								
	P40GW021	5.71	0.83	0.43	0.22	3.45	0.55	5.98	17.17								
	P40GW022	9.33	1.24	2.36	0.75	0.23	0.04	9.69	23.64								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
P40	***cont.***																
	P40GW023	13.41	1.80	2.36	0.75	1.10	0.18	13.94	33.54								
	P40GW024	17.44	2.30	3.35	1.06	0.23	0.04	18.11	42.53								
	P40GW025	18.29	2.42	3.35	1.06	0.23	0.04	18.98	44.37								
	P40GW026	25.52	3.39	4.33	1.38	1.10	0.18	26.51	62.41								
	P40TE001	3.64	0.49	2.04	0.74	0.26	0.04	3.78	10.99								
	P40TE002	4.59	0.61	3.32	1.20	0.26	0.04	4.77	14.79								
	P40TE003	8.21	1.10	1.26	0.40	0.78	0.13	8.54	20.42								
	P40TE004	9.38	1.26	1.73	0.55	0.98	0.16	9.75	23.81								
	P40TE005	6.08	0.82	2.60	0.83	0.78	0.13	6.33	17.57								
	P40TE006	9.60	1.29	2.60	0.83	1.02	0.16	9.99	25.49								
	P40TE007	16.35	2.18	2.60	0.83	1.02	0.16	16.99	40.13								
	P40TE008	18.23	2.43	2.99	0.95	1.02	0.16	18.94	44.72								
	P40TE009	19.98	2.66	2.99	0.95	1.02	0.16	20.75	48.51								
	P40TE010	6.90	0.93	8.27	2.63	0.54	0.09	7.18	26.54								
	P40TE011	7.57	1.02	8.27	2.63	0.70	0.11	7.88	28.18								
	P40TE012	11.37	1.52	8.27	2.63	0.70	0.11	11.82	36.42								
	P40TE013	10.40	1.39	8.27	2.63	0.70	0.11	10.81	34.31								
	P40TE014	10.60	1.42	8.27	2.63	0.70	0.11	11.02	34.75								
	P40TE015	12.08	1.62	8.27	2.63	0.70	0.11	12.56	37.97								
P45																	
	P45AF002	0.08	0.01	0.00	0.00	0.00	0.00	0.11	0.20								
	P45AF003	0.11	0.02	0.00	0.00	0.00	0.00	0.16	0.29								
	P45AF005	1.07	0.16	1.79	0.65	0.05	0.01	1.49	5.22								
	P45AF006	1.36	0.20	1.79	0.65	0.05	0.01	1.89	5.95								
	P45AF007	2.98	0.43	2.21	0.70	0.04	0.01	4.13	10.50								
	P45AF008	0.73	0.10	0.00	0.10	0.00	0.00	1.01	1.94								
	P45AF009	2.33	0.34	0.00	0.10	0.00	0.00	3.22	5.99								
	P45AF010	2.70	0.39	2.93	1.06	0.05	0.01	3.73	10.87								
	P45AF011	4.81	0.70	5.69	2.06	0.05	0.01	6.66	19.98								
	P45AL015	4.37	0.63	3.03	0.96	0.05	0.01	6.05	15.10								
	P45CG001	0.36	0.05	0.00	0.05	0.00	0.00	0.50	0.96								
	P45CG002	0.61	0.09	0.00	0.10	0.00	0.00	0.85	1.65								
	P45CG003	1.54	0.22	0.00	0.15	0.00	0.00	2.13	4.04								
	P45CG006	1.74	0.25	2.60	0.94	0.04	0.01	2.41	7.99								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
P45	***cont.***																
	P45CG007	1.73	0.25	2.60	0.94	0.00	0.00	2.39	7.91								
	P45OE001	2.42	0.35	3.10	0.99	0.09	0.01	3.36	10.32								
	P45OE002	3.05	0.45	4.06	1.29	0.09	0.01	4.23	13.18								
	P45OE003	3.99	0.58	6.20	1.97	0.09	0.01	5.52	18.36								
	P45OE004	4.77	0.69	8.86	2.82	0.09	0.01	6.62	23.86								
	P45OE005	6.38	0.93	13.36	4.25	0.18	0.03	8.84	33.97								
P50																	
	P50GR001	0.08	0.01	0.00	0.00	0.00	0.00	0.15	0.24								
	P50GR002	0.12	0.01	0.00	0.00	0.00	0.00	0.23	0.36								
	P50GR003	0.16	0.01	0.00	0.00	0.00	0.00	0.32	0.49								
	P50GR004	0.34	0.03	0.00	0.00	0.00	0.00	0.66	1.03								
	P50WC001	0.15	0.02	1.53	0.56	0.00	0.00	0.19	2.45								
	P50WC002	0.17	0.03	1.06	0.46	0.00	0.00	0.23	1.95								
	P50WC003	0.37	0.06	1.13	0.49	0.00	0.00	0.50	2.55								
	P50WC004	1.65	0.26	2.33	1.00	0.03	0.00	2.19	7.46								
	P50XX001	2.04	0.32	4.23	1.82	0.00	0.00	2.70	11.11								
	P50XX002	3.77	0.60	4.94	2.13	0.00	0.00	4.99	16.43								
	P50XX003	4.04	0.64	5.99	2.58	0.00	0.00	5.34	18.59								
P55																	
	P55GF001	1.77	0.28	1.48	0.64	0.00	0.00	2.60	6.77								
	P55GF002	1.96	0.31	5.08	2.19	0.00	0.00	2.88	12.42								
	P55GR001	0.30	0.04	0.13	0.07	0.00	0.00	0.25	0.79								
	P55GR002	0.40	0.06	0.32	0.16	0.00	0.00	0.33	1.27								
	P55GR003	1.39	0.20	1.58	0.81	0.00	0.00	1.15	5.13								
	P55GR004	1.89	0.27	3.78	1.93	0.00	0.00	1.57	9.44								
	P55WC001	0.04	0.01	0.06	0.03	0.00	0.00	0.04	0.18								
	P55WC002	0.08	0.01	0.06	0.03	0.00	0.00	0.07	0.25								
P60																	
	P60GF003	1.99	0.32	1.48	0.64	0.04	0.01	2.64	7.12								
	P60GF004	2.17	0.35	5.08	2.19	0.04	0.01	2.88	12.72								
	P60GF005	2.50	0.40	7.97	3.44	0.04	0.01	3.31	17.67								
	P60GF006	3.89	0.62	9.87	4.26	0.10	0.02	5.16	23.92								
	P60GF008	2.17	0.35	5.08	2.19	0.04	0.01	2.88	12.72								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
P60	***cont.***																
	P60GR001	2.01	0.32	3.31	1.43	0.05	0.01	2.66	9.79								
	P60GR002	2.21	0.35	15.46	5.61	0.05	0.01	2.93	26.62								
	P60HO002	0.08	0.01	0.54	0.20	0.00	0.00	0.11	0.94								
	P60HO003	0.14	0.02	1.22	0.44	0.00	0.00	0.18	2.00								
	P60WC001	0.06	0.01	0.61	0.22	0.00	0.00	0.08	0.98								
	P60WC002	0.07	0.01	0.92	0.33	0.00	0.00	0.10	1.43								
P65																	
	P65GR001	0.22	0.04	0.77	0.28	0.04	0.01	0.26	1.62								
	P65GR002	0.28	0.05	0.23	0.08	0.04	0.01	0.34	1.03								
	P65GR003	0.75	0.12	0.46	0.17	0.05	0.01	0.89	2.45								
	P65HO001	0.13	0.02	0.54	0.20	0.00	0.00	0.17	1.06								
	P65HO002	0.14	0.02	0.54	0.20	0.00	0.00	0.18	1.08								
	P65WC001	0.18	0.03	0.61	0.22	0.00	0.00	0.21	1.25								
	P65WC002	0.18	0.03	0.61	0.22	0.00	0.00	0.22	1.26								
P70																	
	P70XX001	0.27	0.05	0.31	0.11	0.00	0.00	0.34	1.08								
	P70XX002	0.71	0.12	0.92	0.33	0.00	0.00	0.89	2.97								
R10																	
	R10CA001	0.89	0.14	0.00	0.08	0.00	0.00	1.16	2.27	1.10	0.14	0.00	0.08	0.00	0.00	1.59	2.91
	R10CA003	0.89	0.14	0.00	0.08	0.00	0.00	1.16	2.27	1.10	0.14	0.00	0.08	0.00	0.00	1.59	2.91
	R10CA005	0.89	0.14	0.00	0.08	0.00	0.00	1.16	2.27	1.10	0.14	0.00	0.08	0.00	0.00	1.59	2.91
	R10CA006	0.02	0.00	0.00	0.00	0.00	0.00	0.03	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.04	0.07
	R10CA007	2.06	0.33	0.00	0.08	0.00	0.00	2.68	5.15	2.54	0.33	0.00	0.08	0.00	0.00	3.67	6.62
	R10CA009	3.84	0.61	0.00	0.08	0.00	0.00	4.99	9.52	4.72	0.62	0.00	0.08	0.00	0.00	6.83	12.25
	R10CA010	0.16	0.02	0.00	0.00	0.00	0.00	0.20	0.38	0.19	0.03	0.00	0.00	0.00	0.00	0.28	0.50
	R10CA011	4.16	0.66	0.00	0.10	0.00	0.00	5.41	10.33	5.12	0.67	0.00	0.10	0.00	0.00	7.41	13.30
	R10CA012	4.92	0.78	0.00	0.10	0.00	0.00	6.40	12.20	6.05	0.79	0.00	0.10	0.00	0.00	8.75	15.69
	R10CA013	0.34	0.05	0.00	0.00	0.00	0.00	0.45	0.84	0.42	0.06	0.00	0.00	0.00	0.00	0.61	1.09
	R10CA014	5.37	0.85	0.00	0.16	0.00	0.00	6.99	13.37	6.61	0.87	0.00	0.16	0.00	0.00	9.56	17.20
	R10CA015	6.15	0.97	0.00	0.16	0.00	0.00	8.00	15.28	7.57	0.99	0.00	0.16	0.00	0.00	10.94	19.66
	R10CA016	0.34	0.05	0.00	0.00	0.00	0.00	0.45	0.84	0.42	0.06	0.00	0.00	0.00	0.00	0.61	1.09
	R10CA017	8.17	1.29	0.00	0.21	0.00	0.00	10.64	20.31	10.06	1.32	0.00	0.21	0.00	0.00	14.55	26.14
	R10CA018	9.77	1.54	0.00	0.22	0.00	0.00	12.71	24.24	12.02	1.58	0.00	0.22	0.00	0.00	17.39	31.21

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
R10	***cont.***																
	R10CA019	0.56	0.09	0.00	0.24	0.00	0.00	0.73	1.62	0.69	0.09	0.00	0.24	0.00	0.00	1.00	2.02
	R10CA020	10.04	1.58	0.00	0.23	0.00	0.00	13.06	24.91	12.36	1.62	0.00	0.23	0.00	0.00	17.87	32.08
	R10CA021	10.33	1.63	0.00	0.25	0.00	0.00	13.44	25.65	12.71	1.67	0.00	0.25	0.00	0.00	18.38	33.01
	R10CA022	0.09	0.01	0.00	0.00	0.00	0.00	0.12	0.22	0.12	0.02	0.00	0.00	0.00	0.00	0.17	0.31
R15																	
	R15SO001	7.55	1.73	0.00	0.40	1.83	0.29	7.98	19.78								
	R15SO002	7.97	1.91	0.00	0.45	2.46	0.39	8.51	21.69								
	R15SO003	12.11	2.71	0.00	0.67	2.46	0.39	12.73	31.07								
R20																	
	R20RI001	1.39	0.27	0.00	0.25	0.00	0.00	1.62	3.53								
	R20RI002	2.13	0.41	0.00	0.25	0.00	0.00	2.48	5.27								
	R20SO001	4.91	0.95	0.00	0.25	0.00	0.00	5.71	11.82								
R30																	
	R30BO003	11.03	1.65	6.29	1.71	0.96	0.15	10.64	32.43								
	R30BO004	7.22	1.11	4.74	1.29	1.14	0.18	6.99	22.67								
	R30BO005	5.37	0.94	3.12	0.85	0.00	0.00	5.88	16.16								
	R30BO006	6.49	1.14	4.67	1.27	0.00	0.00	7.11	20.68								
	R30BO007	7.64	1.34	4.36	1.19	0.00	0.00	8.37	22.90								
	R30BO008	32.85	7.49	22.25	6.05	0.00	0.00	38.23	106.87								
	R30BO009	31.37	7.15	21.06	5.72	0.00	0.00	36.50	101.80								
	R30CA003	20.54	4.68	14.96	4.07	0.00	0.00	23.91	68.16								
	R30CA006	31.31	7.14	19.63	5.34	0.00	0.00	36.44	99.86								
	R30CA009	43.13	9.83	29.48	8.01	0.00	0.00	50.20	140.65								
	R30CA010	7.28	1.07	4.36	1.19	0.36	0.06	7.00	21.32								
	R30CA011	8.33	1.23	6.54	1.78	0.59	0.09	8.02	26.58								
	R30CA012	21.08	4.80	13.71	3.73	0.00	0.00	24.53	67.85								
	R30CA013	32.59	7.43	19.63	5.34	0.00	0.00	37.92	102.91								
	R30CA014	13.39	2.04	6.54	1.78	2.19	0.35	12.95	39.24								
	R30RS001	0.72	0.13	2.04	0.55	0.00	0.00	0.79	4.23								
	R30RS002	0.94	0.16	2.72	0.74	0.00	0.00	1.03	5.59								
	R30RS003	5.35	0.80	5.30	1.44	0.51	0.08	5.16	18.64								
	R30SI002	9.01	1.38	5.67	1.54	1.43	0.23	8.73	27.99								
	R30SI003	11.39	1.73	5.92	1.61	1.43	0.23	11.00	33.31								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
R30	***cont.***																
	R30SI004	15.40	2.29	6.73	1.83	1.18	0.19	14.83	42.45								
	R30SI005	9.12	1.60	4.67	1.27	0.00	0.00	9.99	26.65								
R40																	
	R40SO001	8.62	1.36	3.53	1.28	0.00	0.00	10.03	24.82								
	R40SO002	11.29	1.78	5.29	1.92	0.00	0.00	13.13	33.41								
	R40SO003	8.28	1.31	3.53	1.28	0.00	0.00	9.64	24.04								
	R40SO004	8.21	1.30	5.29	1.92	0.00	0.00	9.56	26.28								
R45																	
	R45BO004	4.55	0.72	2.33	0.85	0.00	0.00	7.28	15.73								
	R45BO005	5.63	0.89	3.24	1.18	0.00	0.00	9.02	19.96								
	R45BO006	10.83	1.71	5.22	1.89	0.00	0.00	17.34	36.99								
	R45BO007	13.15	2.08	7.97	2.89	0.00	0.00	21.06	47.15								
	R45BO008	13.91	2.19	7.97	2.89	0.00	0.00	22.27	49.23								
	R45CA001	3.91	0.62	2.26	0.82	0.00	0.00	6.26	13.87								
	R45CA002	4.51	0.71	2.26	0.82	0.00	0.00	7.23	15.53								
	R45CA005	10.93	1.72	4.94	1.79	0.00	0.00	17.50	36.88								
	R45CA007	13.25	2.09	7.40	2.68	0.00	0.00	21.22	46.64								
	R45CA010	16.53	2.61	10.23	3.71	0.00	0.00	26.46	59.54								
	R45RS001	1.35	0.21	3.06	1.11	0.00	0.00	2.15	7.88								
	R45SI008	3.91	0.62	2.40	0.87	0.00	0.00	6.26	14.06								
	R45SI009	8.90	1.40	2.61	0.95	0.00	0.00	14.25	28.11								
	R45SI010	12.49	1.97	8.53	3.09	0.00	0.00	20.00	46.08								
R50																	
	R50BO005	3.78	0.69	1.93	0.70	0.60	0.10	5.95	13.75								
	R50BO006	7.03	1.22	3.81	1.38	0.07	0.01	10.92	24.44								
	R50BO007	9.66	1.69	3.81	1.38	0.22	0.04	15.02	31.82								
	R50BO008	12.28	2.17	7.52	2.73	0.60	0.10	19.14	44.54								
	R50BO009	18.61	3.26	9.20	3.34	0.60	0.10	28.96	64.07								
	R50BO010	4.16	0.73	1.93	0.70	0.07	0.01	6.47	14.07								
	R50BO011	7.44	1.29	3.81	1.38	0.07	0.01	11.55	25.55								
	R50BO012	10.93	1.91	5.59	2.03	0.22	0.04	16.99	37.71								
	R50BO013	13.55	2.39	9.41	3.41	0.60	0.10	21.11	50.57								
	R50CA001	6.72	1.18	3.56	1.29	0.16	0.03	10.46	23.40								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
R50	***cont.***																
	R50CA002	7.85	1.37	3.56	1.29	0.16	0.03	12.21	26.47								
	R50CA003	9.06	1.58	4.93	1.79	0.21	0.03	14.09	31.69								
	R50CA004	10.87	1.90	5.08	1.84	0.21	0.03	16.91	36.84								
	R50CA005	9.84	1.72	5.08	1.84	0.21	0.03	15.30	34.02								
	R50CA009	12.29	2.17	7.63	2.77	0.61	0.10	19.17	44.74								
	R50CA010	14.80	2.60	7.63	2.77	0.61	0.10	23.05	51.56								
	R50CA011	15.20	2.67	7.63	2.77	0.61	0.10	23.68	52.66								
	R50CA012	14.80	2.60	7.63	2.77	0.61	0.10	23.06	51.57								
	R50IP001	7.33	1.28	3.86	1.40	0.21	0.03	11.41	25.52								
	R50SI006	6.17	1.08	3.05	1.11	0.23	0.04	9.61	21.29								
	R50SI007	6.75	1.18	3.05	1.11	0.23	0.04	10.51	22.87								
	R50SI013	10.09	1.79	7.02	2.55	0.60	0.10	15.74	37.89								
	R50SI016	10.88	1.92	6.00	2.18	0.60	0.10	16.97	38.65								
	R50SI017	12.46	2.20	6.00	2.18	0.60	0.10	19.42	42.96								
	R50SI022	8.51	1.49	7.02	2.55	0.26	0.04	13.24	33.11								
	R50SI023	9.65	1.69	4.17	1.51	0.26	0.04	15.02	32.34								
	R50SI024	4.44	0.79	1.42	0.52	0.28	0.04	6.93	14.42								
	R50SI025	5.50	0.97	1.53	0.56	0.28	0.04	8.57	17.45								
	R50SI026	11.01	1.93	5.29	1.92	0.28	0.04	17.12	37.59								
R55																	
	R55AE001	0.89	0.10	0.82	3.52	0.02	0.00	0.99	6.34								
	R55AE002	1.08	0.12	0.82	5.22	0.03	0.00	1.20	8.47								
	R55AE003	1.43	0.17	0.82	6.82	0.06	0.01	1.59	10.90								
	R55AE004	1.78	0.22	0.82	7.22	0.19	0.03	2.01	12.27								
	R55AE008	0.64	0.07	0.82	0.22	0.04	0.01	0.71	2.51								
	R55AE009	0.24	0.03	0.92	0.25	0.00	0.00	0.27	1.71								
	R55AE010	0.45	0.05	1.63	0.44	0.00	0.00	0.49	3.06								
	R55AE011	0.39	0.05	0.51	0.14	0.07	0.01	0.45	1.62								
	R55GL001	0.43	0.05	0.00	0.50	0.02	0.00	0.47	1.47								
	R55GL002	1.25	0.14	0.51	0.64	0.02	0.00	1.39	3.95								
	R55GL003	1.71	0.20	0.92	1.00	0.05	0.01	1.90	5.79								
	R55GL004	2.01	0.23	0.92	1.25	0.04	0.01	2.23	6.69								
	R55GL007	1.77	0.20	1.84	0.50	0.00	0.00	1.96	6.27								
	R55GL008	0.36	0.04	0.51	0.14	0.04	0.01	0.40	1.50								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
R55	***cont.***																
	R55GL009	0.32	0.04	1.07	0.29	0.00	0.00	0.35	2.07								
	R55GL011	0.88	0.10	1.63	0.44	0.00	0.00	0.97	4.02								
	R55GL012	1.70	0.19	0.92	1.00	0.02	0.00	1.89	5.72								
	R55GL013	0.15	0.02	0.00	0.25	0.03	0.00	0.17	0.62								
	R55GL014	0.40	0.05	0.00	0.35	0.00	0.00	0.44	1.24								
	R55GL015	1.21	0.14	0.92	0.25	0.00	0.00	1.34	3.86								
	R55GL016	0.77	0.09	0.92	0.25	0.00	0.00	0.85	2.88								
	R55GL017	0.26	0.03	0.51	0.14	0.00	0.00	0.29	1.23								
	R55GL018	0.27	0.03	0.51	0.14	0.00	0.00	0.30	1.25								
	R55GL019	0.49	0.05	0.82	0.22	0.00	0.00	0.54	2.12								
S10																	
	S10CA001	18.77	3.73	8.90	4.04	2.32	0.37	24.45	62.58	23.46	3.81	11.77	5.34	9.38	1.51	33.95	89.22
	S10CA002	20.79	5.89	13.47	4.89	5.98	0.96	30.68	82.66	23.51	5.94	17.82	6.46	24.17	3.88	36.49	118.27
	S10CA003	31.22	8.76	18.56	6.73	6.86	1.10	45.94	119.17	35.30	8.83	24.54	8.90	27.72	4.45	54.64	164.38
	S10JD001	18.67	3.71	9.15	4.15	2.32	0.37	24.33	62.70	23.34	3.79	12.10	5.49	9.38	1.51	33.78	89.39
	S10JD002	20.57	5.77	13.63	4.94	4.42	0.71	30.26	80.30	23.26	5.81	18.02	6.54	17.86	2.87	35.99	110.35
S15																	
	S15CA001	25.42	7.35	17.36	6.30	5.34	0.86	29.43	92.06	30.50	7.43	22.15	8.03	21.58	3.46	37.54	130.69
	S15CA002	38.14	11.12	21.40	7.76	10.44	1.68	44.24	134.78	45.77	11.24	27.31	9.91	42.18	6.77	56.43	199.61
	S15CA003	47.36	13.78	26.16	9.49	12.36	1.98	54.92	166.05	56.83	13.93	33.37	12.10	49.93	8.01	70.05	244.22
S20																	
	S20CA001	28.97	8.34	27.31	8.07	6.71	1.08	35.63	116.11	32.19	8.40	35.50	10.48	28.40	4.56	41.89	161.42
	S20CA002	30.52	8.78	27.31	8.07	6.71	1.08	37.53	120.00	33.91	8.84	35.50	10.48	28.40	4.56	44.12	165.81
	S20CA003	48.68	14.08	34.44	10.17	13.12	2.11	59.93	182.53	54.09	14.17	44.77	13.22	55.49	8.91	70.46	261.11
	S20CA004	50.74	14.66	34.44	10.17	13.12	2.11	62.45	187.69	56.38	14.75	44.77	13.22	55.49	8.91	73.42	266.94
	S20CA005	58.00	16.66	46.74	13.80	11.87	1.91	71.30	220.28	64.44	16.76	60.76	17.94	50.22	8.06	83.83	302.01
	S20CA006	63.56	18.33	46.74	13.80	15.53	2.49	78.19	238.64	70.62	18.45	60.76	17.94	65.71	10.55	91.94	335.97
S25																	
	S25JD001	2.27	0.58	0.00	1.50	1.07	0.17	2.34	7.93	2.72	0.59	0.00	1.50	3.96	0.64	3.01	12.42
	S25JD002	2.82	0.74	0.00	1.50	1.60	0.26	2.93	9.85	3.39	0.75	0.00	1.50	5.94	0.95	3.76	16.29
	S25RI001	2.34	0.56	0.00	1.50	0.45	0.07	2.38	7.30	2.81	0.57	0.00	1.50	1.68	0.27	3.06	9.89
	S25RI002	2.63	0.64	0.00	1.50	0.68	0.11	2.68	8.24	3.15	0.65	0.00	1.50	2.53	0.41	3.45	11.69
	S25RM001	6.71	1.69	0.00	1.50	3.25	0.52	6.91	20.58	8.06	1.72	0.00	1.50	11.97	1.92	8.88	34.05

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
S25	***cont.***																
	S25RM002	7.49	1.90	0.00	1.50	3.87	0.62	7.72	23.10	8.99	1.93	0.00	1.50	14.28	2.29	9.92	38.91
	S25RM003	5.17	1.34	0.00	1.50	3.25	0.52	5.35	17.13	6.21	1.36	0.00	1.50	11.97	1.92	6.88	29.84
S30																	
	S30HW001	9.77	3.77	11.38	5.81	1.08	0.17	12.80	44.78	16.28	3.88	13.65	8.43	1.21	0.19	26.66	70.30
	S30HW002	13.19	5.07	15.93	8.13	1.33	0.21	17.28	61.14	21.99	5.23	19.11	11.80	1.48	0.24	36.00	95.85
	S30HW005	5.27	2.04	1.82	0.93	0.68	0.11	4.49	15.34	8.78	2.10	2.18	1.35	0.76	0.12	9.79	25.08
	S30HW006	8.88	3.40	4.55	2.32	0.71	0.11	7.56	27.53	14.81	3.51	5.46	3.37	0.79	0.13	16.48	44.55
	S30HW007	9.67	3.70	5.69	2.90	0.71	0.11	8.23	31.01	16.12	3.81	6.83	4.22	0.79	0.13	17.95	49.85
	S30HW008	10.12	3.86	5.69	2.90	0.71	0.11	8.60	31.99	16.86	3.98	6.83	4.22	0.79	0.13	18.77	51.58
	S30HW009	10.40	4.00	6.83	3.49	1.05	0.17	8.85	34.79	17.34	4.13	8.19	5.06	1.17	0.19	19.32	55.40
	S30HW010	12.73	4.88	9.10	4.64	1.11	0.18	10.83	43.47	21.22	5.03	10.92	6.74	1.24	0.20	23.63	68.98
	S30HW011	12.45	4.78	9.10	4.64	1.22	0.20	10.59	42.98	20.75	4.93	10.92	6.74	1.37	0.22	23.11	68.04
	S30HW012	14.75	5.66	9.10	4.64	1.33	0.21	12.55	48.24	24.59	5.84	10.92	6.74	1.48	0.24	27.38	77.19
	S30HW013	11.88	4.56	20.48	10.45	1.07	0.17	15.56	64.17	19.80	4.70	24.57	15.17	1.19	0.19	32.41	98.03
	S30HW014	9.59	1.58	0.68	0.35	0.39	0.06	10.06	22.71	11.99	1.62	0.82	0.51	0.44	0.07	15.71	31.16
	S30HW015	10.54	1.73	1.14	0.58	0.39	0.06	11.04	25.48	13.17	1.78	1.37	0.85	0.44	0.07	17.25	34.93
	S30HW016	9.98	1.64	0.91	0.46	0.39	0.06	10.46	23.90	12.47	1.68	1.09	0.67	0.44	0.07	16.34	32.76
	S30HW017	10.70	1.75	1.14	0.58	0.39	0.06	11.21	25.83	13.38	1.80	1.37	0.85	0.44	0.07	17.52	35.43
	S30HW018	12.52	2.09	1.82	0.93	0.81	0.13	13.14	31.44	15.65	2.14	2.18	1.35	0.90	0.14	20.53	42.89
	S30KB001	2.44	0.43	0.46	0.23	0.36	0.06	2.25	6.23	3.05	0.44	0.55	0.34	0.41	0.07	3.42	8.28
	S30KB002	2.91	0.51	0.68	0.35	0.41	0.07	2.68	7.61	3.63	0.52	0.82	0.51	0.47	0.08	4.07	10.10
	S30KB003	2.69	0.45	0.91	0.46	0.23	0.04	2.47	7.25	3.36	0.46	1.09	0.67	0.25	0.04	3.75	9.62
	S30KB004	3.47	0.63	1.14	0.58	0.76	0.12	3.21	9.91	4.33	0.65	1.37	0.85	0.85	0.14	4.88	13.07
	S30KB005	3.01	0.53	1.14	0.58	0.45	0.07	2.78	8.56	3.76	0.54	1.37	0.85	0.51	0.08	4.22	11.33
	S30KB006	3.79	0.69	1.37	0.70	0.79	0.13	3.51	10.98	4.74	0.70	1.64	1.01	0.88	0.14	5.33	14.44
	S30KB007	2.62	0.46	0.46	0.23	0.36	0.06	2.42	6.61	3.27	0.47	0.55	0.34	0.41	0.07	3.67	8.78
	S30KB008	3.28	0.56	0.68	0.35	0.38	0.06	3.02	8.33	4.10	0.58	0.82	0.51	0.43	0.07	4.59	11.10
	S30KB009	4.42	0.78	0.68	0.35	0.77	0.12	4.08	11.20	5.52	0.81	0.82	0.51	0.85	0.14	6.20	14.85
	S30KB010	2.74	0.48	0.91	0.46	0.43	0.07	2.53	7.62	3.42	0.49	1.09	0.67	0.48	0.08	3.84	10.07
	S30KB011	4.02	0.69	1.14	0.58	0.45	0.07	3.70	10.65	5.02	0.71	1.37	0.85	0.51	0.08	5.62	14.16
	S30KB012	4.70	0.83	1.14	0.58	0.80	0.13	4.34	12.52	5.87	0.86	1.37	0.85	0.89	0.14	6.60	16.58
	S30KB013	3.19	0.56	1.14	0.58	0.45	0.07	2.94	8.93	3.99	0.57	1.37	0.85	0.51	0.08	4.47	11.84
	S30KB014	4.34	0.74	1.37	0.70	0.48	0.08	4.00	11.71	5.43	0.76	1.64	1.01	0.54	0.09	6.07	15.54
	S30KB015	5.77	1.01	1.82	0.93	0.83	0.13	5.32	15.81	7.21	1.03	2.18	1.35	0.93	0.15	8.08	20.93

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
S30	***cont.***																
	S30KB018	7.36	1.23	1.14	0.58	0.47	0.08	6.76	17.62	9.20	1.26	1.37	0.85	0.53	0.09	10.27	23.57
	S30KB021	8.68	1.44	1.82	0.93	0.51	0.08	7.96	21.42	10.85	1.48	2.18	1.35	0.57	0.09	12.09	28.61
	S30KB024	10.20	1.69	2.73	1.39	0.54	0.09	9.35	25.99	12.75	1.73	3.28	2.03	0.61	0.10	14.21	34.71
	S30KB025	5.16	0.87	0.91	0.46	0.41	0.07	4.74	12.62	6.45	0.89	1.09	0.67	0.47	0.08	7.20	16.85
	S30KB026	6.18	1.03	0.91	0.46	0.44	0.07	5.67	14.76	7.72	1.06	1.09	0.67	0.49	0.08	8.62	19.73
	S30KB027	7.87	1.31	1.14	0.58	0.47	0.08	7.22	18.67	9.84	1.34	1.37	0.85	0.53	0.09	10.97	24.99
	S30KB028	5.89	0.99	1.37	0.70	0.44	0.07	5.41	14.87	7.36	1.01	1.64	1.01	0.50	0.08	8.21	19.81
	S30KB029	7.29	1.21	1.37	0.70	0.47	0.08	6.70	17.82	9.12	1.25	1.64	1.01	0.53	0.09	10.17	23.81
	S30KB030	9.30	1.54	1.82	0.93	0.51	0.08	8.53	22.71	11.63	1.58	2.18	1.35	0.57	0.09	12.96	30.36
	S30KB031	7.72	1.28	2.28	1.16	0.47	0.08	7.08	20.07	9.65	1.32	2.73	1.69	0.53	0.09	10.76	26.77
	S30KB032	9.32	1.55	2.28	1.16	0.53	0.09	8.56	23.49	11.65	1.59	2.73	1.69	0.59	0.09	12.99	31.33
	S30KB033	10.93	1.81	2.73	1.39	0.54	0.09	10.03	27.52	13.67	1.86	3.28	2.03	0.61	0.10	15.23	36.78
	S30KB034	3.41	0.59	0.68	0.35	0.44	0.07	3.14	8.68	4.26	0.61	0.82	0.51	0.50	0.08	4.77	11.55
	S30KB035	3.92	0.68	0.91	0.46	0.49	0.08	3.62	10.16	4.90	0.70	1.09	0.67	0.56	0.09	5.49	13.50
	S30KB036	3.66	0.63	0.91	0.46	0.47	0.08	3.38	9.59	4.58	0.65	1.09	0.67	0.53	0.09	5.13	12.74
	S30KB041	4.23	0.73	0.91	0.46	0.53	0.09	3.90	10.85	5.29	0.75	1.09	0.67	0.60	0.10	5.92	14.42
	S30KB042	5.24	0.88	1.14	0.58	0.41	0.07	4.82	13.14	6.55	0.91	1.37	0.85	0.47	0.08	7.31	17.54
	S30KB043	9.23	1.52	0.68	0.35	0.44	0.07	8.46	20.75	11.53	1.56	0.82	0.51	0.49	0.08	12.85	27.84
	S30KB044	11.40	1.87	0.68	0.35	0.44	0.07	10.45	25.26	14.24	1.92	0.82	0.51	0.49	0.08	15.87	33.93
	S30KB045	15.15	5.77	18.30	5.82	0.94	0.15	19.83	65.96	25.25	5.95	21.84	8.32	1.05	0.17	41.31	103.89
	S30KB046	14.94	5.70	12.38	6.32	1.03	0.17	23.47	64.01	24.90	5.88	14.85	9.17	1.16	0.19	52.14	108.29
	S30KB047	13.17	5.01	14.33	7.31	0.74	0.12	20.68	61.36	21.96	5.17	17.20	10.62	0.82	0.13	45.96	101.86
	S30KB048	10.64	1.75	3.87	1.98	0.50	0.08	11.15	29.97	13.30	1.80	4.64	2.86	0.56	0.09	17.42	40.67
	S30KB049	11.75	2.06	4.10	2.09	1.95	0.31	12.40	34.66	14.68	2.12	4.91	3.03	2.19	0.35	19.37	46.65
	S30KB050	16.68	2.74	11.38	5.81	0.63	0.10	17.48	54.82	20.85	2.81	13.65	8.43	0.70	0.11	27.31	73.86
	S30KB051	21.16	3.49	11.38	5.81	0.94	0.15	22.19	65.12	26.45	3.58	13.65	8.43	1.05	0.17	34.66	87.99
	S30KB052	20.38	3.30	11.38	5.81	0.31	0.05	21.32	62.55	25.47	3.39	13.65	8.43	0.35	0.06	33.31	84.66
	S30KB053	5.77	0.97	1.59	0.81	0.44	0.07	5.30	14.95	7.22	1.00	1.91	1.18	0.49	0.08	8.06	19.94
	S30KB054	6.31	1.05	0.68	0.35	0.41	0.07	5.80	14.67	7.89	1.08	0.82	0.51	0.47	0.08	8.80	19.65
	S30KB055	9.78	3.74	12.46	3.96	0.71	0.11	8.32	39.08	16.30	3.85	14.87	5.66	0.79	0.13	18.14	59.74
	S30KB056	10.03	3.83	12.46	3.96	0.71	0.11	8.53	39.63	16.71	3.95	14.87	5.66	0.79	0.13	18.60	60.71
	S30KB057	11.19	4.27	12.46	3.96	0.71	0.11	9.52	42.22	18.65	4.40	14.87	5.66	0.79	0.13	20.76	65.26
	S30KB058	10.53	4.00	5.92	3.02	0.52	0.08	8.95	33.02	17.55	4.12	7.10	4.38	0.59	0.09	19.52	53.35
	S30KB059	16.57	6.30	13.65	6.97	0.84	0.13	14.09	58.55	27.62	6.49	16.38	10.11	0.94	0.15	30.73	92.42
	S30PU001	18.74	3.04	10.93	3.47	0.47	0.08	17.15	53.88	23.42	3.12	13.05	4.97	0.55	0.09	26.05	71.25

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
S30	***cont.***																
	S30PU002	35.51	5.75	17.79	5.65	0.80	0.13	32.51	98.14	44.39	5.91	21.24	8.09	0.95	0.15	49.38	130.11
	S30PU003	49.72	8.04	17.79	5.65	0.88	0.14	45.51	127.73	62.15	8.26	21.24	8.09	1.04	0.17	69.12	170.07
	S30RA002	4.55	0.75	1.27	0.40	0.17	0.03	4.77	11.94	5.69	0.77	1.52	0.58	0.19	0.03	7.45	16.23
	S30RA003	8.51	1.40	2.49	0.79	0.34	0.05	8.92	22.50	10.63	1.44	2.97	1.13	0.38	0.06	13.93	30.54
	S30TS001	2.32	0.39	0.55	0.28	0.22	0.04	2.14	5.94	2.90	0.40	0.66	0.41	0.25	0.04	3.25	7.91
	S30TS002	4.13	0.69	0.77	0.39	0.27	0.04	3.79	10.08	5.16	0.71	0.93	0.57	0.29	0.05	5.76	13.47
	S30TS003	2.43	0.41	0.77	0.39	0.25	0.04	2.23	6.52	3.03	0.42	0.93	0.57	0.28	0.04	3.39	8.66
	S30TS004	4.27	0.71	1.00	0.51	0.30	0.05	3.92	10.76	5.33	0.73	1.20	0.74	0.34	0.05	5.95	14.34
	S30TS005	2.57	0.44	1.00	0.51	0.28	0.04	2.37	7.21	3.21	0.45	1.20	0.74	0.31	0.05	3.59	9.55
	S30TS006	4.43	0.74	1.23	0.63	0.34	0.05	4.07	11.49	5.54	0.76	1.47	0.91	0.38	0.06	6.18	15.30
	S30TS007	2.98	0.51	1.46	0.75	0.30	0.05	2.74	8.79	3.72	0.52	1.75	1.08	0.34	0.05	4.16	11.62
	S30TS008	6.09	1.01	1.91	0.97	0.38	0.06	5.59	16.01	7.61	1.04	2.29	1.41	0.42	0.07	8.49	21.33
	S30TS009	8.57	3.22	13.65	9.97	0.00	0.00	11.20	46.61	14.29	3.32	16.38	13.11	0.00	0.00	23.33	70.43
	S30TS010	12.43	4.66	18.20	13.29	0.00	0.00	16.25	64.83	20.72	4.81	21.84	17.48	0.00	0.00	33.85	98.70
	S30TS011	20.56	7.71	36.40	26.58	0.00	0.00	26.86	118.11	34.26	7.95	43.68	34.97	0.00	0.00	55.96	176.82
S35																	
	S35AR001	0.27	0.04	0.00	0.00	0.00	0.00	0.31	0.62								
	S35AR002	0.41	0.06	0.00	0.00	0.00	0.00	0.48	0.95								
S40																	
	S40BO002	29.47	5.73	20.07	6.38	0.73	0.12	36.12	98.62	36.84	5.86	25.98	8.26	3.01	0.48	50.45	130.88
	S40BO003	29.11	5.66	20.07	6.38	0.73	0.12	35.68	97.75	36.39	5.79	25.98	8.26	3.01	0.48	49.84	129.75
	S40BO004	25.72	5.01	20.07	6.38	0.73	0.12	31.53	89.56	32.15	5.12	25.98	8.26	3.01	0.48	44.04	119.04
	S40CA001	24.98	4.89	17.23	5.48	1.45	0.23	30.65	84.91	31.22	5.00	22.30	7.09	5.58	0.90	42.82	114.91
	S40CA002	24.05	4.69	17.23	5.48	0.73	0.12	29.50	81.80	30.06	4.80	22.30	7.09	2.80	0.45	41.21	108.71
S45																	
	S45DA004	1.56	0.19	0.00	0.25	0.00	0.00	2.30	4.30								
	S45DA005	2.00	0.24	0.00	0.25	0.00	0.00	2.94	5.43								
	S45DA007	2.08	0.26	0.00	0.25	0.00	0.00	3.06	5.65								
T10																	
	T10CA001	0.92	0.18	0.00	0.08	0.00	0.00	1.06	2.24	1.15	0.18	0.00	0.08	0.00	0.00	1.50	2.91
	T10CA002	1.39	0.27	0.00	0.08	0.00	0.00	1.61	3.35	1.74	0.27	0.00	0.08	0.00	0.00	2.27	4.36
	T10CA004	1.02	0.20	0.00	0.08	0.00	0.00	1.18	2.48	1.27	0.20	0.00	0.08	0.00	0.00	1.66	3.21
	T10CA005	1.39	0.27	0.00	0.08	0.00	0.00	1.61	3.35	1.74	0.27	0.00	0.08	0.00	0.00	2.27	4.36

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T10	***cont.***																
	T10CA007	1.55	0.30	0.00	0.08	0.00	0.00	1.80	3.73	1.94	0.31	0.00	0.08	0.00	0.00	2.53	4.86
	T10CA008	2.09	0.40	0.00	0.08	0.00	0.00	2.41	4.98	2.61	0.41	0.00	0.08	0.00	0.00	3.39	6.49
	T10CA009	1.87	0.36	0.00	0.08	0.00	0.00	2.16	4.47	2.34	0.37	0.00	0.08	0.00	0.00	3.04	5.83
	T10CA010	2.04	0.39	0.00	0.08	0.00	0.00	2.36	4.87	2.55	0.40	0.00	0.08	0.00	0.00	3.32	6.35
	T10CA011	2.91	0.56	0.00	0.08	0.00	0.00	3.37	6.92	3.64	0.57	0.00	0.08	0.00	0.00	4.74	9.03
	T10CA012	2.76	0.53	0.00	0.08	0.00	0.00	3.20	6.57	3.45	0.55	0.00	0.08	0.00	0.00	4.49	8.57
	T10CA013	3.03	0.58	0.00	0.08	0.00	0.00	3.51	7.20	3.79	0.60	0.00	0.08	0.00	0.00	4.93	9.40
	T10CA014	2.52	0.49	0.00	0.08	0.00	0.00	2.91	6.00	3.15	0.50	0.00	0.08	0.00	0.00	4.09	7.82
	T10CA015	3.82	0.74	0.00	0.10	0.00	0.00	4.42	9.08	4.78	0.75	0.00	0.10	0.00	0.00	6.21	11.84
	T10CA016	3.68	0.71	0.00	0.12	0.00	0.00	4.25	8.76	4.60	0.73	0.00	0.12	0.00	0.00	5.98	11.43
	T10CA017	3.98	0.77	0.00	0.13	0.00	0.00	4.60	9.48	4.98	0.79	0.00	0.13	0.00	0.00	6.48	12.38
	T10CA018	3.51	0.68	0.00	0.13	0.00	0.00	4.06	8.38	4.39	0.69	0.00	0.13	0.00	0.00	5.71	10.92
	T10CA019	0.10	0.02	0.00	0.05	0.00	0.00	0.11	0.28	0.12	0.02	0.00	0.05	0.00	0.00	0.16	0.35
	T10CA020	3.80	0.73	0.00	0.15	0.00	0.00	4.40	9.08	4.75	0.75	0.00	0.15	0.00	0.00	6.18	11.83
	T10CA021	5.00	0.96	0.00	0.19	0.00	0.00	5.78	11.93	6.25	0.99	0.00	0.19	0.00	0.00	8.13	15.56
	T10CA022	5.44	1.05	0.00	0.19	0.00	0.00	6.29	12.97	6.80	1.07	0.00	0.19	0.00	0.00	8.84	16.90
	T10CA023	5.09	0.98	0.00	0.20	0.00	0.00	5.89	12.16	6.37	1.00	0.00	0.20	0.00	0.00	8.29	15.86
	T10CA024	7.41	1.43	0.00	0.28	0.00	0.00	8.56	17.68	9.26	1.46	0.00	0.28	0.00	0.00	12.05	23.05
	T10CA025	7.93	1.53	0.00	0.29	0.00	0.00	9.17	18.92	9.91	1.56	0.00	0.29	0.00	0.00	12.90	24.66
	T10CA026	10.86	2.09	0.00	0.40	0.00	0.00	12.56	25.91	13.58	2.14	0.00	0.40	0.00	0.00	17.66	33.78
	T10CA027	11.75	2.27	0.00	0.42	0.00	0.00	13.59	28.03	14.69	2.32	0.00	0.42	0.00	0.00	19.12	36.55
	T10JD001	0.79	0.16	0.00	0.25	0.04	0.01	0.92	2.17	0.99	0.16	0.00	0.25	0.04	0.01	1.29	2.74
T15																	
	T15CA002	5.59	1.31	3.90	1.59	0.00	0.00	10.16	22.55	6.99	1.34	5.05	2.06	0.00	0.00	14.44	29.88
	T15CA005	6.94	1.63	4.46	1.82	0.00	0.00	12.61	27.46	8.67	1.66	5.77	2.36	0.00	0.00	17.92	36.38
	T15CA008	13.96	3.28	8.09	3.31	0.00	0.00	25.37	54.01	17.45	3.33	10.46	4.28	0.00	0.00	36.06	71.58
	T15CA009	20.21	4.75	9.20	3.76	0.00	0.00	36.72	74.64	25.26	4.83	11.91	4.87	0.00	0.00	52.18	99.05
	T15CA011	19.51	4.58	10.32	4.22	0.00	0.00	35.46	74.09	24.39	4.66	13.35	5.46	0.00	0.00	50.39	98.25
	T15CA012	20.09	5.25	13.38	4.25	0.00	0.00	37.19	80.16	23.92	5.32	17.32	5.50	0.00	0.00	46.12	98.18
	T15CA014	23.84	6.23	13.38	4.25	0.00	0.00	44.13	91.83	28.39	6.31	17.32	5.50	0.00	0.00	54.73	112.25
	T15CA016	26.31	6.88	17.29	5.49	0.00	0.00	48.68	104.65	31.32	6.96	22.37	7.11	0.00	0.00	60.38	128.14
	T15CA017	35.01	9.15	22.86	7.26	0.00	0.00	64.80	139.08	41.68	9.26	29.59	9.40	0.00	0.00	80.36	170.29
	T15CA018	44.22	12.42	27.58	7.50	0.00	0.00	76.72	168.44	53.06	12.56	35.19	9.56	0.00	0.00	103.60	213.97
	T15CA019	68.69	19.30	40.43	10.99	0.00	0.00	119.17	258.58	82.42	19.51	51.58	14.02	0.00	0.00	160.93	328.46

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T15	***cont.***																
	T15CA020	7.09	1.66	4.46	1.82	0.00	0.00	12.88	27.91	8.86	1.69	5.77	2.36	0.00	0.00	18.30	36.98
	T15CA021	7.33	1.72	5.02	2.05	0.00	0.00	13.32	29.44	9.16	1.75	6.49	2.65	0.00	0.00	18.93	38.98
	T15CA022	7.76	1.82	5.02	2.05	0.00	0.00	14.11	30.76	9.71	1.85	6.49	2.65	0.00	0.00	20.05	40.75
	T15CA023	20.21	4.75	9.20	3.76	0.00	0.00	36.72	74.64	25.26	4.83	11.91	4.87	0.00	0.00	52.18	99.05
	T15CA024	9.93	2.33	6.13	2.51	0.00	0.00	18.04	38.94	12.41	2.37	7.94	3.25	0.00	0.00	25.64	51.61
	T15CS004	6.38	1.50	3.74	1.53	0.00	0.00	11.60	24.75	7.98	1.52	4.83	1.97	0.00	0.00	16.48	32.78
	T15CS005	6.59	1.55	4.18	1.71	0.00	0.00	11.98	26.01	8.24	1.57	5.41	2.21	0.00	0.00	17.02	34.45
	T15CS006	8.17	1.92	5.07	2.07	0.00	0.00	14.85	32.08	10.22	1.95	6.57	2.69	0.00	0.00	21.10	42.53
	T15CS007	11.15	2.62	6.64	2.71	0.00	0.00	20.27	43.39	13.94	2.66	8.59	3.51	0.00	0.00	28.80	57.50
	T15JD005	5.04	1.18	3.90	1.59	0.00	0.00	9.15	20.86	6.30	1.20	5.05	2.06	0.00	0.00	13.01	27.62
	T15JD006	6.01	1.41	4.13	1.69	0.00	0.00	10.92	24.16	7.51	1.43	5.34	2.18	0.00	0.00	15.51	31.97
	T15JD007	6.91	1.62	5.02	2.05	0.00	0.00	12.55	28.15	8.63	1.65	6.49	2.65	0.00	0.00	17.83	37.25
	T15JD008	12.29	2.89	7.81	3.19	0.00	0.00	22.33	48.51	15.36	2.93	10.10	4.13	0.00	0.00	31.73	64.25
	T15JD009	12.91	3.03	7.81	3.19	0.00	0.00	23.46	50.40	16.14	3.08	10.10	4.13	0.00	0.00	33.33	66.78
	T15JD010	16.08	3.78	10.32	4.22	0.00	0.00	29.22	63.62	20.10	3.84	13.35	5.46	0.00	0.00	41.52	84.27
	T15JD011	17.42	4.09	10.32	4.22	0.00	0.00	31.65	67.70	21.77	4.16	13.35	5.46	0.00	0.00	44.97	89.71
	T15KM001	6.24	1.47	3.90	1.59	0.00	0.00	11.34	24.54	7.80	1.49	5.05	2.06	0.00	0.00	16.11	32.51
	T15KM002	6.84	1.61	4.18	1.71	0.00	0.00	12.43	26.77	8.55	1.63	5.41	2.21	0.00	0.00	17.67	35.47
	T15KM003	12.33	2.89	7.25	2.96	0.00	0.00	22.40	47.83	15.41	2.94	9.38	3.83	0.00	0.00	31.83	63.39
	T15KM007	23.43	5.50	12.55	5.13	0.00	0.00	42.58	89.19	29.29	5.60	16.24	6.64	0.00	0.00	60.50	118.27
	T15KM008	24.73	6.47	17.29	5.49	0.00	0.00	45.76	99.74	29.44	6.54	22.37	7.11	0.00	0.00	56.76	122.22
	T15KM011	76.54	21.50	40.90	11.12	0.00	0.00	132.79	282.85	91.85	21.74	52.18	14.18	0.00	0.00	179.33	359.28
	T15KM012	36.89	9.64	22.58	7.18	0.00	0.00	68.26	144.55	43.91	9.76	29.22	9.29	0.00	0.00	84.66	176.84
	T15KM013	17.87	4.20	10.59	4.33	0.00	0.00	32.48	69.47	22.34	4.27	13.71	5.60	0.00	0.00	46.15	92.07
	T15KM014	46.07	12.94	24.97	6.79	0.00	0.00	79.93	170.70	55.28	13.08	31.86	8.66	0.00	0.00	107.94	216.82
T20																	
	T20CA001	17.57	4.30	11.41	3.63	2.70	0.43	14.48	54.52	18.92	4.32	14.56	4.63	11.34	1.82	16.91	72.50
	T20CA002	25.54	6.31	16.12	5.12	5.57	0.89	21.08	80.63	27.50	6.34	20.57	6.54	23.39	3.75	24.62	112.71
	T20CA003	38.09	9.46	22.88	7.27	6.23	1.00	31.46	116.39	41.02	9.51	29.19	9.28	26.19	4.20	36.75	156.14
T25																	
	T25CA006	14.49	2.55	13.57	4.31	0.00	0.00	16.87	51.79								
	T25CA007	15.91	2.80	14.85	4.72	0.00	0.00	18.53	56.81								
	T25CA008	17.25	3.03	17.95	5.70	0.00	0.00	20.09	64.02								
	T25JD008	7.15	1.05	5.34	1.70	0.32	0.05	6.88	22.49								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T25	***cont.***																
	T25JD009	9.48	1.39	7.12	2.26	0.32	0.05	9.12	29.74								
	T25JD010	11.47	1.70	8.64	2.75	0.70	0.11	11.05	36.42								
	T25JD012	14.84	2.29	16.52	5.25	1.99	0.32	14.39	55.60								
	T25JD013	19.64	2.98	21.61	6.87	1.99	0.32	18.99	72.40								
	T25JD014	13.58	2.01	10.93	3.47	0.70	0.11	13.07	43.87								
T30																	
	T30CS003	2.56	0.41	1.73	0.55	0.08	0.01	2.19	7.53	3.42	0.43	2.29	0.73	0.31	0.05	3.24	10.47
	T30CS004	3.36	0.55	1.53	0.49	0.27	0.04	2.89	9.13	4.49	0.57	2.02	0.64	1.00	0.16	4.28	13.16
	T30CS005	3.89	0.64	1.68	0.53	0.27	0.04	3.34	10.39	5.19	0.66	2.22	0.71	1.00	0.16	4.94	14.88
	T30CS006	5.26	0.85	2.34	0.74	0.21	0.03	4.50	13.93	7.02	0.88	3.09	0.98	0.77	0.12	6.66	19.52
	T30CS007	6.09	0.98	3.05	0.97	0.21	0.03	5.20	16.53	8.12	1.01	4.03	1.28	0.77	0.12	7.70	23.03
	T30CS008	8.41	1.35	4.63	1.47	0.32	0.05	7.19	23.42	11.21	1.40	6.12	1.94	1.20	0.19	10.64	32.70
	T30DW005	2.87	0.48	2.24	0.71	0.27	0.04	2.47	9.08	3.82	0.49	2.96	0.94	1.00	0.16	3.65	13.02
	T30DW011	17.15	2.71	9.41	2.99	0.00	0.00	14.60	46.86	22.86	2.80	12.44	3.95	0.00	0.00	21.61	63.66
	T30DW012	0.76	0.12	1.45	0.46	0.03	0.00	0.65	3.47	1.01	0.13	1.89	0.60	0.08	0.01	0.96	4.68
	T30DW013	1.05	0.17	2.01	0.64	0.06	0.01	0.90	4.84	1.40	0.18	2.62	0.83	0.20	0.03	1.34	6.60
	T30DW014	2.72	0.45	1.78	0.57	0.21	0.03	2.34	8.10	3.63	0.46	2.35	0.75	0.77	0.12	3.46	11.54
	T30DW016	4.78	0.77	2.90	0.92	0.15	0.02	4.09	13.63	6.38	0.80	3.83	1.22	0.57	0.09	6.05	18.94
	T30DW017	6.06	0.97	3.56	1.13	0.21	0.03	5.18	17.14	8.08	1.01	4.71	1.50	0.77	0.12	7.66	23.85
	T30DW018	6.80	1.09	3.97	1.26	0.21	0.03	5.81	19.17	9.06	1.13	5.24	1.67	0.77	0.12	8.59	26.58
	T30TM001	25.98	4.10	9.41	2.99	0.00	0.00	22.11	64.59	34.63	4.25	12.44	3.95	0.00	0.00	32.73	88.00
	T30TM002	26.45	4.17	9.41	2.99	0.00	0.00	22.51	65.53	35.26	4.32	12.44	3.95	0.00	0.00	33.33	89.30
	T30TM003	28.33	4.47	9.41	2.99	0.00	0.00	24.11	69.31	37.77	4.63	12.44	3.95	0.00	0.00	35.69	94.48
	T30TM004	28.05	4.43	9.41	2.99	0.00	0.00	23.88	68.76	37.41	4.59	12.44	3.95	0.00	0.00	35.35	93.74
	T30TM005	29.54	4.66	9.41	2.99	0.00	0.00	25.14	71.74	39.38	4.83	12.44	3.95	0.00	0.00	37.21	97.81
	T30TM006	31.73	5.01	9.41	2.99	0.00	0.00	27.01	76.15	42.30	5.19	12.44	3.95	0.00	0.00	39.98	103.86
	T30TM007	35.52	5.61	12.20	3.88	0.00	0.00	30.24	87.45	47.37	5.81	16.14	5.13	0.00	0.00	44.76	119.21
	T30TM008	36.90	5.82	12.20	3.88	0.00	0.00	31.41	90.21	49.20	6.03	16.14	5.13	0.00	0.00	46.49	122.99
	T30TM009	36.82	5.81	13.73	4.36	0.00	0.00	31.35	92.07	49.10	6.02	18.15	5.77	0.00	0.00	46.40	125.44
	T30TM010	41.11	6.49	13.73	4.36	0.00	0.00	34.99	100.68	54.81	6.72	18.15	5.77	0.00	0.00	51.80	137.25
	T30TM012	48.48	7.65	17.79	5.65	0.00	0.00	41.26	120.83	64.63	7.92	23.53	7.48	0.00	0.00	61.08	164.64
	T30TM013	75.57	11.93	20.44	6.50	0.00	0.00	64.33	178.77	100.76	12.35	27.03	8.59	0.00	0.00	95.22	243.95
	T30TM014	73.99	11.68	25.57	8.13	0.00	0.00	62.99	182.36	98.66	12.09	33.82	10.75	0.00	0.00	93.23	248.55
	T30TM015	78.30	12.36	25.57	8.13	0.00	0.00	66.66	191.02	104.40	12.80	33.82	10.75	0.00	0.00	98.66	260.43

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T30	***cont.***																
	T30VE007	20.43	3.22	6.36	2.02	0.00	0.00	17.39	49.42	27.24	3.34	8.41	2.67	0.00	0.00	25.75	67.41
	T30VE008	41.78	6.59	9.41	2.99	0.00	0.00	35.56	96.33	55.71	6.83	12.44	3.95	0.00	0.00	52.64	131.57
	T30VE009	45.03	7.11	12.71	4.04	0.00	0.00	38.33	107.22	60.04	7.36	16.81	5.34	0.00	0.00	56.74	146.29
	T30VE010	58.08	9.17	12.71	4.04	0.00	0.00	49.44	133.44	77.45	9.49	16.81	5.34	0.00	0.00	73.19	182.28
T35																	
	T35CT001	18.27	2.88	7.12	2.26	0.00	0.00	15.55	46.08	24.36	2.99	9.41	2.99	0.00	0.00	23.02	62.77
	T35CT002	22.46	3.54	7.12	2.26	0.00	0.00	19.12	54.50	29.95	3.67	9.41	2.99	0.00	0.00	28.30	74.32
	T35CT003	25.27	3.99	9.41	2.99	0.00	0.00	21.51	63.17	33.70	4.13	12.44	3.95	0.00	0.00	31.84	86.06
	T35CT004	23.75	3.75	5.19	1.65	0.00	0.00	20.22	54.56	31.67	3.88	6.86	2.18	0.00	0.00	29.93	74.52
	T35CT005	23.61	3.73	5.19	1.65	0.00	0.00	20.10	54.28	31.48	3.86	6.86	2.18	0.00	0.00	29.75	74.13
	T35CT006	22.47	3.55	5.19	1.65	0.00	0.00	19.13	51.99	29.97	3.67	6.86	2.18	0.00	0.00	28.32	71.00
	T35CT007	24.90	3.93	5.19	1.65	0.00	0.00	21.20	56.87	33.20	4.07	6.86	2.18	0.00	0.00	31.37	77.68
	T35CT008	31.75	5.01	7.63	2.42	0.00	0.00	27.03	73.84	42.33	5.19	10.09	3.21	0.00	0.00	40.00	100.82
	T35CT009	37.25	5.88	7.63	2.42	0.00	0.00	31.71	84.89	49.67	6.09	10.09	3.21	0.00	0.00	46.94	116.00
	T35CT010	37.05	5.85	7.63	2.42	0.00	0.00	31.54	84.49	49.40	6.06	10.09	3.21	0.00	0.00	46.68	115.44
	T35CT011	44.01	6.94	8.90	2.83	0.00	0.00	37.46	100.14	58.68	7.19	11.77	3.74	0.00	0.00	55.45	136.83
T40																	
	T40AH001	2.08	0.33	0.00	0.25	0.00	0.00	2.45	5.11								
	T40AH002	2.49	0.39	0.00	0.25	0.00	0.00	2.93	6.06								
	T40AH003	3.23	0.51	0.00	0.25	0.00	0.00	3.80	7.79								
	T40AH004	3.61	0.57	0.00	0.25	0.00	0.00	4.24	8.67								
	T40BD001	8.96	1.42	3.97	1.44	0.11	0.02	9.23	25.15								
	T40GN001	1.09	0.14	0.00	0.00	0.00	0.00	0.99	2.22	1.34	0.15	0.00	0.00	0.00	0.00	1.40	2.89
	T40KF011	0.31	0.05	0.00	0.00	0.00	0.00	0.27	0.63								
	T40KF013	0.33	0.05	0.00	0.00	0.00	0.00	0.29	0.67								
	T40KF014	0.35	0.05	0.00	0.00	0.00	0.00	0.31	0.71								
	T40KF016	0.42	0.07	0.00	0.00	0.00	0.00	0.37	0.86								
	T40KF018	0.51	0.08	0.00	0.00	0.00	0.00	0.45	1.04								
	T40KF020	0.59	0.09	0.00	0.00	0.00	0.00	0.52	1.20								
	T40KF021	0.24	0.04	0.00	0.10	0.00	0.00	0.25	0.63								
	T40KF022	0.48	0.08	0.00	0.10	0.00	0.00	0.49	1.15								
	T40KF023	0.33	0.05	0.00	0.05	0.00	0.00	0.34	0.77								
	T40KF024	0.38	0.06	0.00	0.05	0.00	0.00	0.40	0.89								
	T40MY002	0.47	0.06	0.00	0.00	0.00	0.00	0.43	0.96	0.58	0.06	0.00	0.00	0.00	0.00	0.60	1.24

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T40	***cont.***																
	T40MY004	0.67	0.09	0.00	0.00	0.00	0.00	0.61	1.37	0.83	0.09	0.00	0.00	0.00	0.00	0.86	1.78
	T40MY005	0.96	0.13	0.00	0.00	0.00	0.00	0.88	1.97	1.18	0.13	0.00	0.00	0.00	0.00	1.23	2.54
	T40MY006	1.09	0.14	0.00	0.00	0.00	0.00	1.00	2.23	1.34	0.15	0.00	0.00	0.00	0.00	1.40	2.89
	T40PA001	0.81	0.13	0.00	0.24	0.00	0.00	0.96	2.14								
	T40PA002	2.49	0.39	0.00	0.24	0.00	0.00	2.93	6.05								
	T40PA003	3.53	0.56	0.00	0.26	0.00	0.00	4.15	8.50								
	T40PA004	5.37	0.85	0.00	0.26	0.00	0.00	6.32	12.80								
	T40PA005	7.51	1.19	0.00	0.27	0.00	0.00	8.84	17.81								
	T40PA006	7.80	1.23	0.00	0.27	0.00	0.00	9.17	18.47								
	T40RS001	1.66	0.29	0.00	0.00	0.00	0.00	1.56	3.51								
	T40RS002	1.93	0.33	0.00	0.00	0.00	0.00	1.81	4.07								
	T40RS003	2.12	0.37	0.00	0.00	0.00	0.00	2.00	4.49								
	T40XX034	13.02	1.87	15.37	5.58	0.00	0.00	12.61	48.45								
	T40XX035	13.23	1.90	16.35	5.93	0.00	0.00	12.81	50.22								
	T40XX036	15.92	2.29	18.64	6.76	0.00	0.00	15.42	59.03								
	T40XX037	15.61	2.25	18.64	6.76	0.00	0.00	15.12	58.38								
	T40XX038	16.34	2.35	18.64	6.76	0.00	0.00	15.82	59.91								
T45																	
	T45EA006	2.22	0.46	0.00	0.50	1.59	0.26	1.49	6.52								
	T45EA007	3.07	0.64	0.00	0.50	2.39	0.38	2.06	9.04								
	T45MY004	1.79	0.36	0.00	0.30	1.11	0.18	1.68	5.42	2.24	0.37	0.00	0.30	4.05	0.65	2.40	10.01
	T45MY005	2.42	0.49	0.00	0.30	1.67	0.27	2.28	7.43	3.03	0.51	0.00	0.30	6.08	0.98	3.25	14.15
	T45MY006	2.50	0.50	0.00	0.30	1.67	0.27	2.35	7.59	3.13	0.52	0.00	0.30	6.08	0.98	3.36	14.37
	T45MY007	2.40	0.49	0.00	0.30	1.67	0.27	2.25	7.38	2.99	0.50	0.00	0.30	6.08	0.98	3.22	14.07
	T45MY015	2.00	0.39	0.00	0.40	1.11	0.18	1.73	5.81	2.49	0.40	0.00	0.40	4.05	0.65	2.50	10.49
	T45MY016	2.03	0.39	0.00	0.40	1.11	0.18	1.76	5.87	2.53	0.41	0.00	0.40	4.05	0.65	2.54	10.58
	T45MY017	2.05	0.43	0.00	0.40	1.67	0.27	1.80	6.62	2.57	0.44	0.00	0.40	6.08	0.98	2.59	13.06
	T45MY018	1.50	0.27	0.00	0.40	1.11	0.18	1.22	4.68								
	T45MY019	1.48	0.27	0.00	0.40	1.11	0.18	1.20	4.64								
	T45XX001	2.51	0.45	0.00	0.40	0.78	0.13	2.32	6.59	3.14	0.46	0.00	0.40	2.85	0.46	3.32	10.63
	T45XX003	3.46	0.60	0.00	0.40	0.78	0.13	3.20	8.57	4.33	0.62	0.00	0.40	2.85	0.46	4.57	13.23
	T45XX008	2.05	0.38	0.00	0.40	0.78	0.13	1.77	5.51	2.57	0.39	0.00	0.40	2.85	0.46	2.55	9.22
	T45XX009	2.65	0.40	0.00	0.40	0.78	0.13	2.11	6.47								
	T45XX010	2.66	0.40	0.00	0.40	0.78	0.13	2.12	6.49								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T45	***cont.***																
	T45XX011	2.10	0.38	0.00	0.40	0.76	0.12	1.39	5.15								
	T45XX012	2.23	0.40	0.00	0.40	0.76	0.12	1.48	5.39								
	T45XX013	2.35	0.43	0.00	0.40	0.78	0.13	1.56	5.65								
	T45XX014	2.81	0.52	0.00	0.50	1.13	0.18	1.87	7.01								
	T45XX015	2.88	0.53	0.00	0.50	1.13	0.18	1.91	7.13								
	T45XX016	3.27	0.60	0.00	0.50	1.17	0.19	2.17	7.90								
	T45XX017	3.37	0.63	0.00	0.50	1.45	0.23	2.24	8.42								
	T45XX018	3.37	0.63	0.00	0.50	1.45	0.23	2.24	8.42								
	T45XX019	3.96	0.72	0.00	0.50	1.45	0.23	2.62	9.48								
	T45XX020	3.77	0.70	0.00	0.60	1.56	0.25	2.50	9.38								
	T45XX021	4.15	0.76	0.00	0.60	1.56	0.25	2.75	10.07								
	T45XX022	4.68	0.87	0.00	0.60	1.94	0.31	3.11	11.51								
	T45XX023	5.61	1.04	0.00	0.60	2.34	0.38	3.72	13.69								
	T45XX024	1.81	0.34	0.00	0.09	0.78	0.13	1.20	4.35								
	T45XX025	1.94	0.36	0.00	0.10	0.78	0.13	1.29	4.60								
	T45XX026	1.12	0.20	0.00	0.40	0.39	0.06	0.74	2.91								
	T45XX027	1.22	0.23	0.00	0.40	0.56	0.09	0.81	3.31								
	T45XX028	1.37	0.27	0.00	0.40	0.76	0.12	0.92	3.84								
	T45XX029	4.83	1.06	3.20	0.87	0.39	0.06	4.59	15.00								
	T45XX030	4.61	1.04	3.20	0.87	0.78	0.13	4.41	15.04								
	T45XX031	5.72	1.28	3.20	0.87	0.78	0.13	5.46	17.44								
	T45XX032	3.83	0.50	0.00	0.50	0.00	0.00	3.00	7.83								
	T45XX033	4.52	0.60	0.00	0.60	0.00	0.00	3.55	9.27								
	T45XX034	2.21	0.35	0.00	0.40	0.00	0.00	1.44	4.40								
	T45XX035	2.35	0.38	0.00	0.40	0.00	0.00	1.53	4.66								
T50																	
	T50GM001	1.32	0.21	3.18	1.01	0.09	0.01	1.31	7.13	1.62	0.22	4.08	1.30	0.29	0.05	1.73	9.29
	T50GM004	3.33	0.53	7.54	2.40	0.09	0.01	3.31	17.21	4.10	0.54	9.70	3.08	0.29	0.05	4.37	22.13
	T50GM005	3.58	0.57	7.54	2.40	0.09	0.01	3.56	17.75	4.41	0.58	9.70	3.08	0.33	0.05	4.70	22.85
	T50XX001	1.24	0.21	3.44	1.09	0.25	0.04	1.25	7.52	1.53	0.22	4.42	1.40	0.80	0.13	1.65	10.15
	T50XX002	1.55	0.25	3.44	1.09	0.15	0.02	1.55	8.05	1.91	0.26	4.42	1.40	0.52	0.08	2.05	10.64
	T50XX003	1.78	0.29	4.76	1.51	0.15	0.02	1.78	10.29	2.19	0.30	6.12	1.94	0.49	0.08	2.35	13.47
	T50XX004	1.52	0.26	3.44	1.09	0.25	0.04	1.53	8.13	1.87	0.26	4.42	1.40	0.89	0.14	2.02	11.00
	T50XX005	1.84	0.30	3.44	1.09	0.16	0.03	1.84	8.70	2.27	0.31	4.42	1.40	0.57	0.09	2.43	11.49

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T50	***cont.***																
	T50XX006	1.92	0.31	4.76	1.51	0.16	0.03	1.91	10.60	2.36	0.32	6.12	1.94	0.55	0.09	2.52	13.90
	T50XX007	1.32	0.22	3.44	1.09	0.25	0.04	1.33	7.69	1.62	0.23	4.42	1.40	0.80	0.13	1.75	10.35
	T50XX008	1.65	0.27	3.44	1.09	0.15	0.02	1.65	8.27	2.03	0.28	4.42	1.40	0.52	0.08	2.17	10.90
	T50XX009	2.05	0.33	4.76	1.51	0.15	0.02	2.05	10.87	2.52	0.34	6.12	1.94	0.49	0.08	2.70	14.19
	T50XX010	1.83	0.30	3.44	1.09	0.25	0.04	1.83	8.78	2.25	0.31	4.42	1.40	0.89	0.14	2.42	11.83
	T50XX011	2.00	0.33	4.76	1.51	0.16	0.03	2.00	10.79	2.46	0.33	6.12	1.94	0.57	0.09	2.64	14.15
	T50XX012	2.11	0.34	4.76	1.51	0.16	0.03	2.11	11.02	2.60	0.35	6.12	1.94	0.55	0.09	2.78	14.43
	T50XX013	1.66	0.28	1.11	0.30	0.25	0.04	1.66	5.30	2.04	0.28	1.58	0.43	0.80	0.13	2.19	7.45
	T50XX014	1.88	0.31	1.11	0.30	0.15	0.02	1.88	5.65	2.32	0.31	1.58	0.43	0.52	0.08	2.48	7.72
	T50XX015	2.18	0.35	1.92	0.52	0.15	0.02	2.18	7.32	2.69	0.36	2.74	0.74	0.49	0.08	2.87	9.97
	T50XX016	1.99	0.33	1.92	0.52	0.25	0.04	2.00	7.05	2.45	0.34	2.74	0.74	0.89	0.14	2.63	9.93
	T50XX017	2.05	0.33	1.92	0.52	0.16	0.03	2.04	7.05	2.52	0.34	2.74	0.74	0.57	0.09	2.69	9.69
	T50XX018	2.47	0.40	1.92	0.52	0.16	0.03	2.46	7.96	3.03	0.41	2.74	0.74	0.55	0.09	3.24	10.80
	T50XX019	1.95	0.32	1.92	0.52	0.15	0.02	1.95	6.83	2.40	0.32	2.74	0.74	0.52	0.08	2.57	9.37
	T50XX020	2.37	0.38	1.92	0.52	0.16	0.03	2.37	7.75	2.92	0.39	2.74	0.74	0.57	0.09	3.12	10.57
	T50XX021	2.15	0.35	1.92	0.52	0.15	0.02	2.15	7.26	2.65	0.36	2.74	0.74	0.49	0.08	2.83	9.89
	T50XX022	3.38	0.68	6.46	1.91	0.40	0.06	3.14	16.03	4.23	0.70	8.36	2.47	1.55	0.25	4.23	21.79
	T50XX023	2.63	0.54	12.70	4.32	0.40	0.06	2.45	23.10	3.29	0.55	16.27	5.54	1.55	0.25	3.31	30.76
	T50XX024	2.26	0.47	12.70	4.32	0.40	0.06	2.11	22.32	2.83	0.48	16.27	5.54	1.55	0.25	2.85	29.77
	T50XX025	4.44	0.90	6.10	1.80	0.65	0.10	4.13	18.12	5.55	0.92	7.89	2.33	2.68	0.43	5.56	25.36
	T50XX026	4.51	0.91	7.53	2.22	0.62	0.10	4.20	20.09	5.64	0.93	9.75	2.88	2.41	0.39	5.65	27.65
	T50XX027	6.11	1.44	13.42	4.26	0.58	0.09	5.66	31.56	7.33	1.46	17.33	5.51	2.21	0.35	7.84	42.03
	T50XX028	6.02	1.44	11.65	3.70	0.88	0.14	5.60	29.43	7.22	1.46	15.04	4.78	3.40	0.55	7.76	40.21
	T50XX029	5.51	1.32	15.70	4.99	0.88	0.14	5.13	33.67	6.62	1.34	20.28	6.44	3.40	0.55	7.11	45.74
	T50XX030	7.10	1.68	17.72	5.63	0.88	0.14	6.60	39.75	8.52	1.71	22.89	7.27	3.40	0.55	9.14	53.48
	T50XX031	6.51	1.55	20.26	6.44	0.83	0.13	6.05	41.77	7.81	1.57	26.16	8.31	3.22	0.52	8.38	55.97
T55																	
	T55CA002	28.97	10.15	18.12	6.98	6.78	1.09	37.83	109.92	32.19	10.20	23.45	9.03	26.67	4.28	44.36	150.18
	T55CA003	39.44	14.01	26.15	10.07	12.16	1.95	51.61	155.39	43.82	14.08	33.84	13.04	47.85	7.68	60.52	220.83
	T55CA007	21.81	7.57	13.58	5.23	7.44	1.19	28.44	85.26	24.23	7.61	17.57	6.77	29.27	4.70	33.35	123.50
	T55CA008	21.13	4.87	10.23	2.19	4.02	0.65	24.46	67.55	22.42	4.90	12.37	2.65	15.52	2.49	27.57	87.92
	T55CA009	24.98	5.78	11.22	2.40	5.07	0.81	28.93	79.19	26.51	5.80	13.55	2.90	19.59	3.14	32.62	104.11
	T55CA010	20.96	4.86	8.42	1.80	4.63	0.74	24.28	65.69	22.24	4.88	10.18	2.18	18.20	2.92	27.37	87.97
	T55CA011	24.73	5.74	10.23	2.19	5.76	0.92	28.66	78.23	26.25	5.77	12.37	2.65	22.65	3.64	32.31	105.64

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T55	***cont.***																
	T55CA012	30.80	7.10	13.97	2.99	6.00	0.96	35.65	97.47	32.68	7.14	16.88	3.61	23.61	3.79	40.19	127.90
	T55CA013	33.76	7.82	15.94	3.41	7.53	1.21	39.11	108.78	35.83	7.86	19.26	4.12	29.78	4.78	44.09	145.72
	T55JD001	15.98	3.79	10.43	2.23	5.76	0.92	18.58	57.69	16.96	3.81	12.60	2.70	22.65	3.64	20.95	83.31
	T55JD002	18.62	4.38	11.22	2.40	5.76	0.92	21.62	64.92	19.76	4.40	13.55	2.90	22.65	3.64	24.37	91.27
	T55JD003	23.68	5.70	14.96	3.20	10.57	1.70	27.59	87.40	25.13	5.72	18.07	3.87	41.59	6.68	31.11	132.17
	T55JD004	26.95	6.39	16.26	3.48	9.73	1.56	31.34	95.71	28.60	6.42	19.64	4.20	38.27	6.14	35.33	138.60
	T55KM009	21.13	7.35	13.61	5.24	7.44	1.19	27.56	83.52	23.48	7.38	17.61	6.78	29.27	4.70	32.32	121.54
	T55KM010	30.88	10.78	19.93	7.68	11.91	1.91	40.29	123.38	34.31	10.83	25.80	9.94	46.85	7.52	47.25	182.50
	T55KM011	33.42	11.63	19.93	7.68	11.91	1.91	43.59	130.07	37.13	11.68	25.80	9.94	46.85	7.52	51.11	190.03
	T55KM012	43.43	15.35	30.17	11.62	12.16	1.95	56.79	171.47	48.26	15.42	39.04	15.04	47.85	7.68	66.59	239.88
	T55KM013	72.55	25.51	41.43	15.96	18.49	2.97	94.79	271.70	80.61	25.64	53.61	20.65	72.76	11.68	111.15	376.10
	T55KM014	84.82	30.11	55.76	21.48	25.75	4.13	110.98	333.03	94.24	30.26	72.16	27.80	101.26	16.25	130.14	472.11
	T55KM015	28.82	6.84	15.31	3.28	10.57	1.70	33.51	100.03	30.58	6.87	18.50	3.96	41.59	6.68	37.78	145.96
	T55KM016	33.35	7.82	16.92	3.62	9.73	1.56	38.71	111.71	35.40	7.86	20.45	4.38	38.27	6.14	43.64	156.14
	T55VO002	17.37	4.06	9.88	2.11	4.69	0.75	20.15	59.01	18.43	4.08	11.94	2.56	18.26	2.93	22.72	80.92
	T55VO003	17.98	4.25	9.88	2.11	6.13	0.98	20.90	62.23	19.08	4.27	11.94	2.56	24.09	3.87	23.56	89.37
	T55VO004	25.68	5.97	12.67	2.71	6.16	0.99	29.76	83.94	27.25	6.00	15.31	3.28	24.22	3.89	33.55	113.50
	T55VO005	21.49	4.94	11.65	2.49	3.16	0.51	24.87	69.11	22.81	4.96	14.08	3.01	12.41	1.99	28.03	87.29
	T55VO006	28.66	6.71	15.55	3.33	8.12	1.30	33.26	96.93	30.41	6.74	18.79	4.02	31.96	5.13	37.49	134.54
T56																	
	T56CA006	44.22	15.61	29.23	11.26	13.35	2.14	57.81	173.62	49.13	15.69	47.69	17.30	52.15	8.37	67.79	258.12
T57																	
	T57CU001	6.48	1.26	3.86	1.23	0.25	0.04	7.62	20.74								
	T57CU002	7.94	1.54	3.86	1.23	0.25	0.04	9.34	24.20								
	T57CU003	11.76	2.27	5.85	1.86	0.25	0.04	13.84	35.87								
	T57CU004	13.40	2.59	9.00	2.86	0.25	0.04	15.76	43.90								
	T57CU005	14.50	2.80	17.03	5.41	0.25	0.04	17.06	57.09								
T60																	
	T60KI001	13.77	3.27	8.90	3.23	2.63	0.42	14.88	47.10	16.52	3.32	11.77	4.27	9.95	1.60	20.39	67.82
	T60KI002	21.38	5.12	16.78	6.09	5.41	0.87	23.14	78.79	25.65	5.20	22.19	8.05	20.89	3.35	31.72	117.05
	T60KI003	34.74	8.27	22.88	8.30	7.57	1.21	37.54	120.51	41.68	8.39	30.26	10.98	29.25	4.69	51.46	176.71
	T60KI004	6.09	1.74	22.88	8.30	7.57	1.21	6.86	54.65	7.31	1.77	30.26	10.98	29.25	4.69	9.40	93.66
	T60KI006	42.42	10.04	27.96	10.14	7.99	1.28	45.79	145.62	50.90	10.19	36.98	13.41	30.86	4.95	62.77	210.06

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T60	***cont.***																
	T60SO001	24.94	5.93	16.78	6.09	5.41	0.87	26.95	86.97	29.93	6.03	22.19	8.05	20.89	3.35	36.94	127.38
	T60SO002	34.41	8.22	22.88	8.30	8.16	1.31	37.22	120.50	41.29	8.35	30.26	10.98	31.49	5.05	51.02	178.44
	T60SO003	34.95	8.34	22.88	8.30	8.16	1.31	37.80	121.74	41.94	8.47	30.26	10.98	31.49	5.05	51.81	180.00
	T60SO004	43.37	10.37	27.96	10.14	10.46	1.68	46.91	150.89	52.04	10.53	36.98	13.41	40.37	6.48	64.31	224.12
	T60SO005	44.13	10.54	27.96	10.14	10.46	1.68	47.73	152.64	52.95	10.70	36.98	13.41	40.37	6.48	65.43	226.32
W25																	
	W25CJ001	8.65	1.06	0.98	0.56	0.00	0.00	12.72	23.97								
	W25CJ002	13.42	1.64	1.18	0.67	0.00	0.00	19.72	36.63								
	W25CJ003	23.10	2.83	1.18	0.67	0.00	0.00	33.96	61.74								
	W25KZ001	1.14	0.30	0.00	0.00	0.00	0.00	0.83	2.27								
	W25KZ002	1.26	0.33	0.00	0.00	0.00	0.00	0.91	2.50								
	W25KZ003	1.29	0.34	0.00	0.00	0.00	0.00	0.94	2.57								
	W25KZ004	1.84	0.48	0.00	0.00	0.00	0.00	1.33	3.65								
	W25KZ005	2.17	0.57	0.00	0.00	0.00	0.00	1.57	4.31								
	W25KZ006	2.21	0.58	0.00	0.00	0.00	0.00	1.60	4.39								
	W25KZ007	2.36	0.61	0.00	0.00	0.00	0.00	1.71	4.68								
	W25NL001	11.91	1.04	13.30	6.03	0.00	0.00	21.00	53.28								
	W25NL002	20.19	1.76	24.72	7.86	0.00	0.00	35.61	90.14								
	W25NL003	12.97	1.13	11.07	3.52	0.00	0.00	22.87	51.56								
	W25NL004	26.25	2.34	2.51	0.80	0.49	0.08	46.49	78.96								
	W25NL005	49.89	4.36	51.66	16.42	0.00	0.00	87.98	210.31								
	W25SD001	1.07	0.09	0.33	0.15	0.00	0.00	1.74	3.38								
	W25SD002	2.05	0.18	0.20	0.09	0.00	0.00	3.32	5.84								
	W25SD003	1.80	0.16	2.28	0.62	0.00	0.00	2.90	7.76								
	W25SD004	1.42	0.13	1.30	0.35	0.03	0.00	2.30	5.53								
	W25SD005	1.52	0.13	1.79	0.49	0.00	0.00	2.45	6.38								
	W25SD006	0.76	0.07	0.07	4.03	0.00	0.00	1.22	6.15								
	W25SD007	0.80	0.07	0.07	5.03	0.00	0.00	1.29	7.26								
	W25SD008	0.85	0.07	0.07	6.03	0.00	0.00	1.38	8.40								
	W25SD009	2.00	0.17	0.73	6.33	0.00	0.00	3.24	12.47								
	W25XX005	0.32	0.03	0.81	0.22	0.00	0.00	0.52	1.90								
	W25XX006	0.45	0.04	0.81	0.22	0.00	0.00	0.73	2.25								
	W25XX007	0.62	0.05	1.30	0.35	0.00	0.00	1.00	3.32								
	W25XX008	0.63	0.06	1.79	0.49	0.00	0.00	1.02	3.99								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 2		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
W25	***cont.***																
	W25XX009	1.28	0.11	1.30	0.35	0.00	0.00	2.08	5.12								
	W25XX010	1.97	0.17	3.90	1.06	0.00	0.00	3.18	10.28								
W30																	
	W30SO001	2.70	0.64	0.89	0.25	0.38	0.06	2.50	7.42								
	W30SO002	3.23	0.76	0.89	0.25	0.38	0.06	2.99	8.56								
	W30SO003	3.53	0.83	0.89	0.25	0.38	0.06	3.26	9.20								
	W30SO004	1.79	0.41	0.00	0.01	0.00	0.00	1.37	3.58								
	W30SO005	1.99	0.45	0.00	0.01	0.00	0.00	1.52	3.97								
	W30SO006	2.30	0.52	0.00	0.01	0.00	0.00	1.76	4.59								
W35																	
	W35LC010	0.06	0.01	0.32	0.15	0.00	0.00	0.05	0.59								
	W35LC011	0.34	0.04	0.57	0.26	0.00	0.00	0.25	1.46								
	W35LC012	0.40	0.05	0.74	0.34	0.00	0.00	0.29	1.82								
	W35LC013	0.40	0.05	0.86	0.39	0.00	0.00	0.29	1.99								
	W35LC018	0.12	0.01	0.11	0.05	0.00	0.00	0.08	0.37								
	W35LC020	0.45	0.06	0.55	0.25	0.00	0.00	0.33	1.64								
	W35XX020	0.19	0.03	1.50	0.41	0.00	0.00	0.22	2.35								
	W35XX021	0.49	0.09	2.31	0.63	0.02	0.00	0.58	4.12								
	W35XX022	0.51	0.09	2.45	0.67	0.02	0.00	0.60	4.34								
	W35XX023	0.88	0.15	6.12	1.66	0.02	0.00	1.04	9.87								
	W35XX024	1.30	0.23	2.99	0.81	0.02	0.00	1.54	6.89								
	W35XX025	1.25	0.22	2.62	0.71	0.02	0.00	1.48	6.30								

CHAPTER 3 ADJUSTMENTS TO HOURLY RATES

SECTION I. GENERAL

3.1 Contents

This chapter explains the procedures for adjusting the hourly rates shown in tables 2-1 and 2-2.

3.2 Basis for Equipment Rates

The rates shown in tables 2-1 and 2-2 are based on the catalog list price of equipment manufactured in 2002 (3 years old). Area factors used to compute regional ownership and operating expenses are listed in appendix B. All equipment hourly rate elements for average and severe conditions are given in table 2-2. Individual cost elements, which comprise the total hourly rate, are shown in table 2-2. These hourly rate elements are listed by equipment ID No., which corresponds to the equipment shown in tables 2-1 and 2-2.

a. Ownership costs consist of two cost elements: depreciation (DEPR) and facilities capital cost of money (FCCM). These elements are located in table 2-1 and table 2-2.

b. Operating costs consist of five cost elements: fuel (FUEL); filters, oil, and grease (FOG); repairs (REPAIR); tire wear (TIRE WEAR); and tire repair (TIRE REPAIR). These elements are located in table 2-2.

3.3 Equipment Rate Adjustment Tables

Table 3-1 is used to adjust the ownership (DEPR + FCCM) portion of the average hourly rate and table 3-2 is used to adjust the standby hourly rate shown in table 2-1.

3.4 Determination for Use of Equipment Rates in Tables 2-1 and 2-2

The predetermined rates in tables 2-1 and 2-2 may be used when the contractor's data is insufficient to calculate the equipment rates using actual cost data (cost or pricing data) or the actual data for the unit of equipment (see figure 2-1). When it is determined that tables 2-1 and 2-2 are to be used and the contractor's actual unit of equipment is not listed in table 2-1, an equivalent unit of equipment may be used. This unit of equipment must be equivalent in size, capacity, horsepower, and value to the contractor's actual unit of equipment.

SECTION II. RATE ADJUSTMENTS

3.5 Rate Adjustments

The ownership and/or the operating portion of the hourly rates and standby hourly rates shall be adjusted whenever one or more of the following rate adjustment conditions exist (rate adjustments are explained in detail in the following paragraphs).

- Changes in operating conditions
- Changes in Cost of Money Rate
- Actual work hours (hrs) exceed 40 hr per week (wk)
- Changes in FUEL cost
- Adjustments to FOG cost
- Equipment of different age than table 2-1
- Rate adjustment for overage equipment
- Rate adjustment for overage equipment standby

There are no rate adjustments for appendix B factors except for fuel cost (electric, gas, diesel off-road, and diesel on-road) and the Cost of Money Rate. Also, there are no rate adjustments for repairs, tire wear, or tire repair.

3.6 Changes in Operating Conditions

If difficult or severe conditions are justified by the Contracting Officer, selection or calculation of the appropriate rate is necessary. See chapter 2, section II, for definition of average, difficult, or severe conditions and determination of condition.

3.7 Change in Cost of Money Rate (CMR)

The Department of the Treasury adjusts the CMR (Prompt Payment Interest Rate) on or about 1 January and 1 July each year; these revisions are printed in the Federal Register. The Internet address for Prompt Payment Interest Rate is http://www.publicdebt.treas.gov/opd/opdprmt2.htm.

If the CMR shown in chapter 2, section VII, is <u>not the current rate</u>, the FCCM portion of the total hourly rate shall be adjusted upward or downward to match the CMR for the period of equipment use. See appendix I for a listing of historical CMRs. The total hourly rate adjusted for a differing CMR is computed by the formula:

$$\text{Total Hourly Rate} = \text{DEPR/hr} + [(\text{FCCM/hr}) \text{ x } \frac{(\text{NEW CMR})]}{(\text{Old CMR})} + \text{Operating Costs/hr}$$

Example: Assume that table 2-1 includes a crane [*category (CAT) C80, subcategory (SUB) 0.02]* with hourly costs as shown in the following example. The CMR has increased from 5.00 percent to a current rate of 6.00 percent (increase of 20 percent). The total hourly rate for this piece of equipment is determined as follows:

Assumptions for Total Hourly Rate with CMR of 5.00%:

DEPR	=$30.00/hr
FCCM	=$10.00/hr
Operating Costs (FUEL, FOG, TIRE WEAR, TIRE REPAIR, and REPAIR)	=$40.00/hr
Total Hourly Rate (Based on a 40 hr/wk)	=$80.00/hr

Adjustment Calculation of Total Hourly Rate for New CMR of 6.00%:

$$\$30.00/hr + [(\$10.00/hr) \times \frac{(6.00\%)}{(5.00\%)}] + \$40.00/hr = \$82.00/hr$$

3.8 Actual Work Hours Greater than 40 Hours per Week

If the actual number of work hours per week is greater than 40 hours, an adjustment shall be made to the FCCM element of the ownership cost. The FCCM is to be paid up to a maximum of 40 hours per week (7 calendar days). To calculate a multi-shift rate, prorate the 40-hour FCCM over the actual hours per week, as follows:

$$\text{Total Hourly Rate} = \text{DEPR/hr} + [(\text{FCCM/hr}) \times \frac{(40\ \text{hr/wk})}{(\text{Actual Work hr/wk})}] + \text{Operating Costs/hr}$$

Example: Assume that table 2-1 includes a crane *(category C80, subcategory 0.02)* with the below hourly costs. This crane worked 10 hours per day, 6 days per week (60 hours per week). The total hourly rate for this piece of equipment is determined as follows:

Assumptions for Total Hourly Rate for 40 Hours/Week:

DEPR	=$30.00/hr
FCCM	=$10.00/hr
Operating Costs (FUEL, FOG, TIRE WEAR, TIRE REPAIR, and REPAIR)	=$40.00/hr
Total Hourly Rate (40 hr/wk)	=$80.00/hr

Adjustment Calculation of Total Hourly Rate for 60 Hours/Week:

$$\$30.00/hr + [(\$10.00/hr) \times \frac{(40\ hr/wk)}{(60\ hr/wk)}] + \$40.00/hr = \$76.67/hr$$

3.9 Changes in Fuel Cost

Hourly fuel costs (including electricity) shall be adjusted in the event the average fuel prices at the jobsite vary by more than 10 percent above or below the price in appendix B. 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 of bulk quantities. Mathematically, this is the ratio of the new fuel cost divided by the fuel cost (appendix B). To calculate the total hourly rate, apply the ratio of fuel cost, as follows:

$$\text{Total Hourly Rate} = (\text{DEPR/hr} + \text{FCCM/hr}) + (\text{FOG/hr} + \text{TIRE WEAR/hr} + \text{TIRE REPAIR/hr} + \text{REPAIR/hr}) + [\frac{(\text{New Fuel Cost})}{(\text{Fuel Cost in Appendix B})} \text{ x FUEL/hr}]$$

<u>Example</u>: Assume that table 2-1 includes a crane *(category C80, subcategory 0.02)* with the below hourly costs. Assume the fuel cost (diesel off-road) in appendix B is $1.50/gal and the current fuel cost has increased to $1.80/gal (increase of 20.00 percent). The total hourly rate for this piece of equipment can be determined as follows:

<u>Assumptions for Fuel Cost (based on $1.50/gal from appendix B)</u>:

DEPR	=$30.00/hr
FCCM	=$10.00/hr
FOG + TIRE WEAR + TIRE REPAIR + REPAIR	=$30.00/hr
FUEL	=$10.00/hr
Total Hourly Rate	=$80.00/hr

<u>Adjustment Calculation for hourly FUEL cost using the new fuel cost of $1.80/gal</u>:

$$(\$30.00/\text{hr} + \$10.00/\text{hr}) + \$30.00/\text{hr} + [\frac{(\$1.80/\text{gal})}{(\$1.50/\text{gal})} \text{ x } \$10.00/\text{hr}] = \$82.00/\text{hr}$$

3.10 Adjustments to Fuel, Oil, and Grease (FOG) Cost

The hourly FOG allowance <u>shall also be adjusted</u> upward or downward by applying the same ratio (new fuel cost divided by fuel cost shown in appendix B) as the fuel costs change using the methodology as shown in paragraph 3-9.

3.11 Equipment of Different Age than Table 2-1

When the age of the equipment is newer or older than the age of the equipment listed in table 2-1, table 3-1 factors may be used to adjust the hourly rate (see paragraph 3-4 for guidance), otherwise the step-by-step calculation method (as shown

in figure 2-1) is necessary. To adjust the hourly rate using the tables, the factors given in table 2-1 are multiplied by the hourly ownership costs shown in table 3-1. The result is an ownership rate adjusted for the actual age of the equipment. Note: Age adjustment factors in tables 3-1 and 3-2 vary by region.

a. When the age of a unit of equipment is older than the age of the equipment listed in table 2-1 (purchased new in 2002) and does not exceed the years of economic life, adjust the hourly rate as shown in the next example. The years of economic life is determined by dividing hours of LIFE (from appendix D) by Working Hours Per Year (WHPY) (from appendix B).

Example: Assume that table 2-1 includes a crane *(category C80, subcategory 0.02)* manufactured in 2002 and has a total hourly rate of $65 per hour and an ownership rate of $30 per hour. If an equivalent crane owned by a contractor was manufactured in 1996, the total hourly rate is determined as follows:

Table 2-1 Rate and Adjustment Calculation:

Total hourly rate	= $65.00/hr
Ownership rate 2002 (DEPR + FCCM)	= -($30.00)/hr
Ownership rate 1996 adjusted for age (Ownership rate = $30) x (0.88 the age adjustment factor from table 3-1, for category C80, subcategory 0.02, and for the year 1996.)	= +$26.40/hr
Total hourly rate for equipment manufactured in 1996	= $61.40/hr

b. When the unit of equipment is older than the age of equipment listed in table 2-1 (purchased new in 2002) and exceeds the years of economic life, adjust the hourly rate as shown in the example for overage equipment in paragraph 3-12.a.

c. When the unit of equipment is newer than the equipment listed in table 2-1 (purchased new in 2002), use the adjustment factor in table 3-1 for the year of manufacture. If the equipment is newer than the most recent year shown in table 3-1, use the adjustment factor in the column of the most recent year. Once the adjustment factor is determined from table 3-1, complete the adjustment calculation as shown in the example above. The step-by-step calculation method shown in figure 2-1 may also be used.

3.12 Rate Adjustment for Overage Equipment

If the contractor's equipment exceeds the economic life in hours (from appendix D), it is considered overage, and the rates shall be adjusted.

a. The total hourly operating rate for overage equipment (no matter how old) shall be computed on the basis that the equipment is as old as possible "without" exceeding the hours of LIFE as shown in appendix D. Tables 3-1 and 3-2 show factors for the economic life for equipment based on the current pamphlet year (*e.g*. manufactured in 2002). Select a comparable unit of equipment (horsepower, value, capacity, and size) shown in table 2-1, the total hourly rate can be computed as shown in the following example. If there is no comparable unit of equipment in table 2-1, follow the methodology presented in figure 3-1.

b. The ownership portion of the rate shall be adjusted for equipment that is overage. This adjusted rate is not to exceed the rate for the same unit of equipment that is not overage.

Example: Assume that table 2-1 includes a crane *(category C80, subcategory 0.02)* manufactured in 2002, has a total hourly rate of $65 per hour, and an ownership rate of $30 per hour. If an equivalent crane owned by a contractor was manufactured in 1986 (maximum life 1994), this crane is overage and the total hourly rate is determined as follows:

Table 2-1 Rate and Adjustment Calculation:

Total hourly rate	=	$65.00/hr
Ownership rate 2002 (DEPR + FCCM)	=	-($30.00)/hr
Ownership rate 1986 adjusted for age (Ownership rate = $30.00) x (0.84 use the oldest age adjustment factor from table 3-1, for category C80, subcategory 0.02, the last year shown.)	=	+$25.20/hr
Total hourly rate for equipment manufactured in 1986	=	$60.20/hr

3.13 Standby Rate Adjustment for Equipment of a Different Age than Table 2-1

If the equipment age is other than listed in table 2-1 (purchased new in 2002), adjustment to the hourly standby rate is required. When the age of the equipment is newer or older than the age of the equipment listed in table 2-1, table 3-2 factors may be used to adjust the hourly rate, otherwise the step-by-step calculation method is necessary. The result is a standby rate adjusted for the actual age of the equipment.

a. Standby rates for overage equipment are based on the actual age of the equipment. The age adjustment factor given in table 3-2 is multiplied by the hourly standby cost shown in table 2-1 for the listed or comparable unit of equipment. This results in a standby rate adjusted for the actual age of the unit of equipment being considered.

Hourly Standby Rate Adjusted for Actual Age =
Hourly Standby Rate x Age Adjustment Factor

Example: Assume that table 2-1 includes a crane (*category C80, subcategory 0.02*) manufactured in 2002 and has a standby rate of $20.00 per hour. If an equivalent crane owned by a contractor was manufactured in 1994, the hourly standby rate is determined as follows:

Hourly Standby Rate (table 2-1)	=$20.00/hr
Age Adjustment Factor (table 3-2) for category C80, subcategory 0.02, and for 1994 (actual year of manufacture)	= 0.84

Adjustment Calculation:

Hourly Standby Rate Adjusted for Actual Age	=$20.00/hr
(Hourly Standby Rate) x 0.84 (Age Adjustment Factor)	=$16.80/hr

b. When the unit of equipment is newer than the equipment listed in table 2-1 (purchased new in 2002), use the adjustment factor in table 3-2 for the year of manufacture. Once the adjustment factor is determined from table 3-2, complete the adjustment calculation as shown in the example above. The step-by-step calculation method shown in figure 3-2 may also be used.

c. When the equipment age is older than the last year shown in table 3-2 or newer than the first year shown in table 3-2, the standby rate must be calculated using the step-by-step methodology shown in figure 3-2.

3.14 Equipment Purchased Used

A detailed methodology for computing a total hourly rate for equipment purchased used is not included in this pamphlet.

a. When actual cost data in accordance with chapter 1 is not available, an 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.

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

3.15 Rate Calculation Examples

Figure 3-1 illustrates how total hourly rates are adjusted for overage equipment. Figure 3-2 gives a sample calculation for computing adjusted standby rates.

Table 3-1. Equipment Age Adjustment Factors

for

Ownership Costs

The factors in this table are used when the age of a unit of equipment is other than the age of the equipment listed in table 2-1 (purchased new in 2002).

The factors are multiplied by the hourly ownership costs (shown in table 2-1) and result in an ownership rate adjusted for the actual age of the equipment being considered.

When the actual “life” in hours of the unit of equipment has exceeded the economic life given in appendix D, the age will be determined as discussed in chapter 3.

Refer to chapter 3, as follows:

3-11. Equipment of Different Age than Table 2-1

3-12. Rate Adjustment for Overage Equipment

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 2 TYPE OF EQUIPMENT	Life in Years / Year Purchased New: 0 (2005)	1 (2004)	2 (2003)	3 (2002)	4 (2001)	5 (2000)	6 (1999)	7 (1998)	8 (1997)	9 (1996)	10 (1995)	11 (1994)	12 (1993)	13 (1992)	14 (1991)	15 (1990)	16 (1989)	17 (1988)
A10	0.00	AGGREGATE / CHIP SPREADERS																		
A10	0.10	SELF-PROPELLED	1.03	1.00	1.00	1.00	1.00	0.98												
A10	0.20	TOWED & TAILGATE	1.03	1.00	1.00	1.00	1.00													
A15	0.00	AIR COMPRESSORS, PORTABLE																		
A15	0.10	ROTARY SCREW	1.04	1.01	1.00	1.00	1.00	0.99	1.00											
A15	0.20	SHOP TYPE	1.04	1.01	1.00	1.00	1.00	0.99	1.00	1.00	1.00									
A20	0.00	AIR HOSE, TOOLS & EQUIPMENT																		
A20	0.10	AIR DRILL HOSE	1.04	1.01	1.00	1.00														
A20	0.20	SANDBLAST HOSE	1.04	1.01	1.00	1.00														
A20	0.30	SANDBLASTERS, BREAKERS, & MISC. AIR TOOLS	1.04	1.01	1.00	1.00	1.00													
A25	0.00	ASPHALT PAVING DISTRIBUTORS	1.03	1.00	1.00	1.00	1.00													
A30	0.00	ASPHALT PAVERS & MISCELLANEOUS ROAD EQUIPMENT																		
A30	0.10	SELF PROPELLED	1.03	1.00	1.00	1.00	1.00	0.98												
A30	0.20	TOWED	1.03	1.00	1.00	1.00	1.00	0.98	0.96											
A30	0.30	SLURRY SEAL PAVERS (Cold mix)	1.03	1.00	1.00	1.00	1.00	0.98	0.96	0.94	0.91									
A30	0.40	MISCELLANEOUS ROAD EQUIPMENT	1.03	1.00	1.00	1.00	1.00	0.98	0.96											
A35	0.00	ASPHALT PAVING KETTLES	1.03	1.00	1.00	1.00	1.00													
A40	0.00	ASPHALT & CONCRETE MILLERS / PROFILERS / PLANERS	1.03	1.00	1.00	1.00	1.00													
A45	0.00	ASPHALT RECYCLERS & SEALERS	1.03	1.00	1.00	1.00														
B10	0.00	BATCH PLANTS, ASPHALT & CONCRETE																		
B10	0.10	ASPHALT	1.03	1.00	1.00	1.00	1.00	0.98												
B10	0.20	CONCRETE	1.03	1.00	1.00	1.00	1.00	0.98												
B10	0.30	PUGMILL	1.03	1.00	1.00	1.00	1.00	0.98	0.96											
B15	0.00	BROOMS, STREET SWEEPERS & FLUSHERS	1.11	1.00	1.02	1.00	0.99	0.98												
B20	0.00	BRUSH CHIPPERS	1.11	1.00	1.02	1.00	0.99	0.98												
B25	0.00	BUCKETS, CLAMSHELL	1.10	1.06	1.03	1.00	0.93	0.95												
B30	0.00	BUCKETS, CONCRETE																		

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 2 TYPE OF EQUIPMENT	Life in Years / Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
			2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
B30	0.10	GENERAL PURPOSE, MANUAL TRIP	1.10	1.05	1.03	1.00	0.93	0.95												
B30	0.20	LAYDOWN	1.10	1.05	1.03	1.00	0.93	0.95												
B30	0.30	LOWBOY	1.10	1.05	1.03	1.00	0.93	0.95												
B30	0.40	LOW SLUMP	1.10	1.05	1.03	1.00	0.93	0.95												
B35	0.00	BUCKETS, DRAGLINE																		
B35	0.10	LIGHT WEIGHT	1.10	1.06	1.03	1.00	0.93	0.95												
B35	0.20	MEDIUM WEIGHT	1.10	1.06	1.03	1.00	0.93	0.95	0.96											
B35	0.30	HEAVY WEIGHT	1.10	1.06	1.03	1.00	0.93	0.95	0.96											
C05	0.00	CHAIN SAWS	1.11	1.00		1.00														
C10	0.00	COMPACTORS, WALK-BEHIND OR REMOTE CONTROLLER																		
C10	0.10	COMPACTORS, RAMMERS / TAMPERS & VIBRATORY PLATES	1.10	1.00	1.02	1.00														
C10	0.20	ROLLERS, VIBRATORY	1.12	1.00	1.02	1.00														
C15	0.00	CONCRETE CLEANERS / BLASTERS	1.12	1.00	1.02	1.00														
C20	0.00	CONCRETE BUGGIES	1.12	1.00	1.02	1.00														
C25	0.00	CONCRETE FINISHERS/SCREEDS/SPREADERS																		
C25	0.10	FINISHERS/TROWELS	1.12	1.00	1.02	1.00														
C25	0.20	VIBRATORY SCREED	1.12	1.00	1.02	1.00														
C25	0.25	VIBRATORY LASER SCREED	1.14	1.00	1.02	1.00	0.98	0.98												
C25	0.30	MATERIAL/TOPPING SPREADERS	1.14	1.00	1.02	1.00	0.98	0.98												
C30	0.00	CONCRETE GRINDERS	1.12	1.00	1.02	1.00														
C35	0.00	CONCRETE GUNITERS / SHOTCRETERS	1.13	1.00	1.02	1.00	0.98													
C40	0.00	CONCRETE MIXING UNITS	1.12	1.00	1.02	1.00														
C45	0.00	CONCRETE PAVING MACHINES	1.03	1.00	1.00	1.00	1.00													
C55	0.00	CONCRETE PUMPS	1.11	1.00	1.02	1.00	0.99	0.98												
C60	0.00	CONCRETE SAWS (Add cost for sawblade wear)	1.11	1.00	1.02	1.00	0.99													
C65	0.00	CONCRETE VIBRATORS	1.04	1.01	1.00	1.00														
C70	0.00	CRANES, GANTRY & STRADDLE																		

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 2 TYPE OF EQUIPMENT	Life in Years / Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
			2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
C75	0.00	CRANES, HYDRAULIC, SELF-PROPELLED	1.10	1.06	1.03	1.00	0.93	0.94	0.94	0.93	0.90	0.88								
C80	0.00	CRANES, HYDRAULIC, TRUCK MOUNTED																		
C80	0.01	UNDER 26 TON	1.10	1.06	1.03	1.00	0.93	0.94	0.94	0.93	0.90	0.88								
C80	0.02	26 TON THRU 65 TON	1.10	1.06	1.03	1.00	0.93	0.94	0.94	0.93	0.91	0.88	0.86	0.84						
C80	0.03	66 TON THRU 125 TON	1.10	1.06	1.03	1.00	0.93	0.95	0.94	0.93	0.91	0.89	0.86	0.84	0.83					
C80	0.04	OVER 125 TON	1.10	1.06	1.03	1.00	0.93	0.95	0.94	0.93	0.91	0.89	0.86	0.84	0.83	0.79				
C85	0.00	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER MOUNTED																		
C85	0.11	DRAGLINE, CLAMSHELL, 0 THRU 1.0 CY	1.11	1.06	1.03	1.00	0.93	0.94	0.94	0.92	0.90	0.88								
C85	0.12	DRAGLINE, CLAMSHELL, OVER 1.0 CY THRU 2.5 CY	1.11	1.06	1.03	1.00	0.93	0.94	0.94	0.92	0.90	0.88	0.85	0.83						
C85	0.13	DRAGLINE, CLAMSHELL, OVER 2.5 CY THRU 5.0 CY	1.11	1.06	1.03	1.00	0.93	0.94	0.94	0.92	0.90	0.88	0.85	0.83	0.82					
C85	0.14	DRAGLINE, CLAMSHELL, OVER 5.0 CY	1.11	1.06	1.03	1.00	0.93	0.94	0.94	0.93	0.90	0.88	0.85	0.83	0.82	0.78				
C85	0.21	LIFTING, 0 THRU 25 TON	1.11	1.06	1.03	1.00	0.93	0.94	0.94	0.92	0.90	0.88	0.85	0.83						
C85	0.22	LIFTING, 26 TON THRU 50 TON	1.11	1.06	1.03	1.00	0.93	0.94	0.94	0.92	0.90	0.88	0.85	0.83	0.82					
C85	0.23	LIFTING, 51 TON THRU 150 TON	1.10	1.06	1.03	1.00	0.93	0.95	0.94	0.93	0.91	0.89	0.86	0.84	0.83	0.79				
C85	0.24	LIFTING, OVER 150 TON	1.10	1.06	1.03	1.00	0.93	0.95	0.94	0.93	0.91	0.89	0.86	0.84	0.83	0.79	0.74	0.72		
C90	0.00	CRANES, MECHANICAL, LATTICE BOOM, TRUCK MOUNTED																		
C90	0.01	UNDER 26 TON	1.10	1.06	1.03	1.00	0.93	0.94	0.94	0.93	0.90	0.88								
C90	0.02	26 TON THRU 65 TON	1.10	1.06	1.03	1.00	0.93	0.94	0.94	0.93	0.91	0.88	0.86	0.84						
C90	0.03	66 TON THRU 125 TON	1.11	1.06	1.03	1.00	0.93	0.94	0.94	0.92	0.90	0.88	0.85	0.83	0.82					
C90	0.04	OVER 125 TON	1.11	1.06	1.03	1.00	0.93	0.94	0.94	0.93	0.90	0.88	0.85	0.83	0.82	0.78				
C95	0.00	CRANES, TOWER	1.11	1.06	1.03	1.00	0.93	0.94	0.94	0.92	0.90	0.88	0.85	0.83	0.82					
D10	0.00	DRILLS,AIR/HYDRAULIC,CRWLR MTD,0" THRU 6.5" DIA HOLE (Add cost for drill steel and bit wear)																		
D10	0.10	AIR TRACK (Add cost for drill steel and bit wear)	1.17	1.10	1.02	1.00	0.91	0.88	0.87	0.85	0.83	0.82								
D10	0.20	HYDRAULIC TRACK (Add cost for drill steel and bit wear)	1.17	1.10	1.02	1.00	0.91	0.88	0.86											
D15	0.00	DRILLS, HORIZONTAL BORING & GROUND PIERCING (Add cost for drill steel and bit wear)	1.17	1.10	1.02	1.00	0.91	0.88	0.86											
D20	0.00	DRILLS, CORE, COLUMN MOUNTED (Add cost for drill steel and bit wear)	1.18	1.10	1.02	1.00	0.90	0.88												
D25	0.00	DRILLS, CORE & DOWELLING (Add cost for drill steel and bit wear)	1.17	1.10	1.02	1.00	0.91	0.88	0.86											

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 2 TYPE OF EQUIPMENT	Life in Years / Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
			2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
D30	0.00	DRILLS, EARTH / AUGER (Add cost for drill steel and cutting edge wear)	1.17	1.10	1.02	1.00	0.91	0.88	0.86											
D35	0.00	DRILLS, ROTARY BLASTHOLE (Add cost for drill steel and bit wear)																		
D35	0.11	DIESEL, 4.5" THRU 9.875" DIAMETER HOLE (Add cost for drill steel and bit wear)	1.16	1.10	1.02	1.00	0.91	0.89	0.87	0.86	0.84	0.83								
D35	0.12	DIESEL, OVER 9.875" DIAMETER (Add cost for drill steel and bit wear)	1.16	1.09	1.02	1.00	0.91	0.89	0.88	0.86	0.84	0.83	0.79	0.77	0.76					
D35	0.21	ELECTRIC, 4.5" THRU 9.875" DIAMETER HOLE (Add cost for drill steel and bit wear)	1.16	1.10	1.02	1.00	0.91	0.89	0.87	0.86	0.84	0.83								
D35	0.22	ELECTRIC, OVER 9.875" DIAMETER (Add cost for drill steel and bit wear)	1.16	1.09	1.02	1.00	0.91	0.89	0.88	0.86	0.84	0.83	0.79	0.77	0.76					
F10	0.00	FORK LIFTS	1.12	1.00	1.02	1.00	0.98	0.98	0.97											
G10	0.00	GENERATOR SETS																		
G10	0.10	PORTABLE	1.09	1.02	1.00	1.00	1.00	1.00												
G10	0.20	SKID MOUNTED	1.08	1.02	1.00	1.00	1.00	1.00	0.99											
G15	0.00	GRADERS, MOTOR	1.10	1.06	1.01	1.00	0.99	0.98	0.96	0.92	0.90	0.88								
H10	0.00	HAMMERS, HYDRAULIC (Demolition tool) (Add cost for point wear)	1.12	1.00	1.02	1.00	0.98													
H13	0.00	HAZARDOUS/TOXIC WASTE EQUIPMENT																		
H13	0.11	COMPACTORS (Compression force) 0 THRU 50 TONS	1.11	1.00	1.02	1.00	0.98	0.98	0.97											
H13	0.12	COMPACTORS (Compression force) OVER 50 TONS	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93									
H13	0.21	FILTER PRESSES, STATIONARY	1.12	1.00	1.02	1.00	0.98	0.98	0.97											
H13	0.22	FILTER PRESSES, MOBILE	1.11	1.00	1.02	1.00	0.98	0.98	0.97											
H13	0.30	CENTRIFUGES	1.12	1.00	1.02	1.00														
H13	0.40	SHREDDERS	1.11	1.00	1.02	1.00	0.98	0.98	0.97											
H13	0.51	SOIL TREATMENT PLANT, MOBILE	1.11	1.00	1.02	1.00	0.98	0.98	0.97											
H13	0.61	SLUDGE PROCESSING EQUIP, SLUDGE DISPENSERS	1.11	1.00	1.02	1.00	0.98	0.98	0.97											
H13	0.71	WASTE HANDLING EQUIPMENT, DRUM HANDLING	1.12	1.00	1.02	1.00														
H15	0.00	HEATERS, SPACE																		
H20	0.00	HOISTS & AIR WINCHES	1.12	1.00	1.02	1.00	0.98	0.98	0.97											
H25	0.00	HYDRAULIC EXCAVATORS, CRAWLER MOUNTED																		
H25	0.10	0 LBS THRU 12,500 LBS (COMPACT EXCAVATORS)	1.12	1.07	1.03	1.00	0.92	0.94												
H25	0.11	OVER 12,500 LBS THRU 40,000 LBS	1.12	1.07	1.03	1.00	0.92	0.94												

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 2 TYPE OF EQUIPMENT	Life in Years / Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
			2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
H25	0.12	OVER 40,000 LBS THRU 100,000 LBS	1.12	1.07	1.03	1.00	0.92	0.94	0.93	0.92	0.89									
H25	0.13	OVER 100,000 LBS THRU 160,000 LBS	1.11	1.06	1.03	1.00	0.92	0.94	0.93	0.92	0.90	0.87	0.84	0.82						
H25	0.14	OVER 160,000 LBS	1.11	1.06	1.03	1.00	0.92	0.94	0.94	0.92	0.90	0.88	0.85	0.83	0.81	0.77				
H25	0.21	ATTACHMENTS, MOBILE SHEARS	1.12	1.00	1.02	1.00	0.98													
H25	0.22	ATTACHMENTS, MATERIAL HANDLING	1.12	1.00	1.02	1.00	0.98													
H25	0.23	ATTACHMENTS, CONCRETE PULVERIZERS	1.12	1.00	1.02	1.00	0.98													
H25	0.24	ATTACHMENTS, COMPACTORS	1.12	1.00	1.02	1.00	0.98													
H30	0.00	HYDRAULIC EXCAVATORS, WHEEL MOUNTED																		
H30	0.01	0 THRU 1.0 CY	1.12	1.07	1.03	1.00	0.92	0.94												
H30	0.02	OVER 1.0 CY	1.12	1.07	1.03	1.00	0.92	0.94	0.93											
H35	0.00	HYDRAULIC SHOVELS, CRAWLER MOUNTED																		
H35	0.11	DIESEL, 0 CY THRU 5.0 CY	1.11	1.06	1.03	1.00	0.93	0.94	0.94	0.92	0.90	0.88								
H35	0.12	DIESEL, OVER 5.0 CY	1.11	1.06	1.03	1.00	0.93	0.94	0.94	0.92	0.90	0.88	0.85	0.83						
H35	0.21	ELECTRIC, OVER 2.5 CY	1.11	1.06	1.03	1.00	0.93	0.94	0.94	0.92	0.90	0.88	0.85	0.83	0.82					
L10	0.00	LAND CLEARING EQUIPMENT	1.10	1.05	1.02	1.00	1.00	0.99	0.98											
L15	0.00	LANDSCAPING EQUIPMENT	1.12	1.00	1.02	1.00														
L20	0.00	LIGHTING SETS, TRAILER MOUNTED																		
L20	0.10	METALLIC VAPOR	1.12	1.00	1.02	1.00	0.98	0.98												
L25	0.00	LINE STRIPING EQUIPMENT	1.12	1.00	1.02	1.00	0.98	0.98												
L30	0.00	LOADERS, BELT (Conveyor belts) & ACCESSORIES	1.12	1.00	1.02	1.00	0.98	0.98	0.97											
L35	0.00	LOADERS, FRONT END, CRAWLER TYPE	1.10	1.05	1.02	1.00	1.00	0.99	0.98											
L40	0.00	LOADERS, FRONT END, WHEEL TYPE																		
L40	0.11	ARTICULATED, 0 THRU 225 HP	1.11	1.06	1.02	1.00	1.00	0.99	0.98											
L40	0.12	ARTICULATED, OVER 225 HP	1.10	1.05	1.02	1.00	1.00	0.99	0.98	0.96	0.93	0.92								
L40	0.20	SKID STEER	1.10	1.05	1.02	1.00	1.00	0.99												
L40	0.21	SKID STEER ATTACHMENTS	1.10	1.05	1.02	1.00														
L40	0.31	TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP	1.10	1.06	1.02	1.00	1.00	0.99	0.98											

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 2 TYPE OF EQUIPMENT	Life in Years / Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
			2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
L40	0.32	TOOL CARRIER & TELESCOPIC HANDLERS, OVER 225 HP	1.09	1.05	1.02	1.00	1.00	0.99	0.98	0.96	0.94									
L45	0.00	LOADERS / BACKHOE, CRAWLER TYPE	1.10	1.05	1.02	1.00	1.00	0.99												
L50	0.00	LOADERS / BACKHOE, WHEEL TYPE	1.10	1.06	1.02	1.00	1.00	0.99	0.98											
L55	0.00	LOADER / BACKHOE, ATTACHMENTS	1.12	1.00	1.02	1.00	0.98													
L60	0.00	LOG SKIDDERS	1.10	1.08	1.03	1.00	0.99	0.97	0.95											
M10	0.00	MARINE EQUIPMENT (NON DREDGING)																		
M10	0.11	AQUATIC MAINTENANCE	1.15	1.12	1.05	1.00	0.99	0.96	0.94											
M10	0.12	AQUATIC MAINTENANCE ATTACHMENTS	1.16	1.13	1.05	1.00	0.98													
M10	0.21	HYDRAULIC CUTTERHEAD DREDGE, 8" OR LESS,TRANSPORTABLE	1.14	1.11	1.05	1.00	0.99	0.96	0.95	0.94	0.92	0.89	0.85	0.83						
M10	0.22	HYDRAULIC CUTTERHEAD DREDGE,8" - 12",TRANSPORTABLE	1.14	1.11	1.05	1.00	0.99	0.96	0.95	0.94	0.92	0.89	0.85	0.83						
M10	0.23	HYDRAULIC AUGERHEAD DREDGE,12" OR LESS,TRANSPORTABLE	1.14	1.11	1.05	1.00	0.99	0.96	0.95	0.94	0.92	0.89	0.85	0.83						
M10	0.24	HYDRAULIC FLOATING PUMPS,12" OR LESS,TRANSPORTABLE	1.15	1.11	1.05	1.00	0.99	0.96												
M10	0.25	HYDRUALIC DREDGE PUMPS,12" OR LESS,TRANSPORTABLE	1.15	1.12	1.05	1.00	0.98													
M10	0.26	HYDRAULIC DREDGE / PUMP ATTACHMENTS	1.15	1.12	1.05	1.00	0.98													
M10	0.31	SMALL MECH DREDGES,CLAMSHELL,BARGE-MTD TO 5 CY	1.10	1.06	1.03	1.00	0.93	0.95	0.94	0.93	0.91	0.89	0.86	0.84	0.83					
M10	0.32	SMALL MECH DREDGES, AMPHIBIOUS EXCAVATORS	1.10	1.06	1.03	1.00	0.93	0.94	0.94											
M10	0.33	SMALL MECH DREDGES,HOE-MOUNTED DREDGING ATTACH	1.15	1.11	1.05	1.00	0.99	0.96	0.94	0.94	0.92	0.88	0.84	0.83	0.81	0.78				
M10	0.41	WORK FLOATS (NON-DREDGING)	1.15	1.11	1.05	1.00	0.99													
M10	0.42	WORK BARGES (SECTIONAL, NON-DREDGING)	1.14	1.11	1.05	1.00	0.99	0.96	0.95	0.94	0.92	0.89	0.85	0.84	0.83	0.79	0.74	0.71	0.68	0.65
M10	0.45	FLAT-DECK OR CARGO BARGE (NON-DREDGING)	1.13	1.10	1.04	1.00	0.99	0.97	0.95	0.94	0.93	0.90	0.86	0.85	0.84	0.80	0.76	0.73	0.70	0.67
M10	0.46	DUMP SCOW (NON-DREDGING)	1.13	1.10	1.04	1.00	0.99	0.97	0.95	0.94	0.93	0.90	0.86	0.85	0.84	0.80	0.76	0.73	0.70	0.67
M10	0.47	DRILL BARGE (NON-DREDGING)	1.13	1.10	1.04	1.00	0.99	0.96	0.95	0.94	0.93	0.89	0.86	0.84	0.83	0.79	0.75	0.72	0.69	0.66
M10	0.48	ALL OTHER BARGES (NON-DREDGING)	1.13	1.10	1.04	1.00	0.99	0.96	0.95	0.94	0.93	0.89	0.86	0.84	0.83	0.79	0.75	0.72	0.69	0.66
M10	0.51	BOATS & LAUNCHES, 0 THRU 250 HP	1.15	1.12	1.05	1.00	0.99	0.96	0.94	0.94	0.92	0.88	0.84	0.83						
M10	0.53	BOATS & LAUNCHES, 251 THRU 500 HP	1.14	1.11	1.05	1.00	0.99	0.96	0.95	0.94	0.92	0.89	0.85	0.83	0.82					
M10	0.54	TUGS, 501 THRU 1,000 HP	1.14	1.11	1.05	1.00	0.99	0.96	0.95	0.94	0.93	0.89	0.86	0.84	0.83	0.79	0.75	0.72	0.69	0.66
M10	0.55	TUGS, 1,000 THRU 2,000 HP	1.13	1.10	1.04	1.00	0.99	0.96	0.95	0.94	0.93	0.89	0.86	0.84	0.83	0.80	0.75	0.72	0.69	0.66

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 2 TYPE OF EQUIPMENT	Life in Years / Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
			2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
P10	0.00	PILE HAMMER ACCESSORIES - EXTRACTORS & BOX LEADS	1.15	1.00	1.02	1.00	0.98													
P20	0.00	PILE HAMMERS, DOUBLE ACTING																		
P20	0.10	DIESEL	1.13	1.00	1.02	1.00	0.98													
P20	0.20	PNUEMATIC (STEAM/AIR)	1.12	1.00	1.02	1.00	0.98													
P25	0.00	PILE HAMMERS, SINGLE ACTING																		
P25	0.10	DIESEL	1.12	1.00	1.02	1.00	0.98													
P25	0.20	PNUEMATIC (STEAM/AIR)	1.12	1.00	1.02	1.00	0.98													
P30	0.00	PILE HAMMERS, DRIVER/ EXTRACTOR, VIBRATORY	1.12	1.00	1.02	1.00	0.98													
P35	0.00	PIPELAYERS	1.10	1.05	1.02	1.00	1.00	0.99	0.98	0.94	0.92	0.91								
P40	0.00	PLATFORMS & MAN-LIFTS	1.10	1.06	1.03	1.00	0.93	0.95												
P45	0.00	PUMPS, GROUT	1.12	1.00	1.02	1.00	0.98	0.98												
P50	0.00	PUMPS, WATER, CENTRIFUGAL, TRASH																		
P50	0.11	ENGINE DRIVE	1.12	1.00	1.02	1.00	0.98	0.98												
P50	0.12	ELECTRIC DRIVE	1.12	1.00	1.02	1.00	0.98	0.98												
P50	0.21	WHEEL MOUNTED, ENGINE DRIVE	1.12	1.00	1.02	1.00	0.98	0.98												
P50	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	1.12	1.00	1.02	1.00	0.98	0.98												
P50	0.31	HOSES, PUMP, SUCTION & DISCHARGE	1.11	1.00	1.02	1.00														
P55	0.00	PUMPS, WATER, SUBMERSIBLE																		
P55	0.01	ENGINE DRIVE	1.12	1.00	1.02	1.00	0.98	0.98												
P55	0.02	ELECTRIC DRIVE	1.12	1.00	1.02	1.00	0.98	0.98												
P60	0.00	PUMPS, WATER, CENTRIFUGAL, DEWATERING																		
P60	0.11	SKID MOUNTED, ENGINE DRIVE	1.12	1.00	1.02	1.00	0.98	0.98												
P60	0.12	SKID MOUNTED, ELECTRIC DRIVE	1.12	1.00	1.02	1.00	0.98	0.98												
P60	0.21	WHEEL MOUNTED, ENGINE DRIVE	1.12	1.00	1.02	1.00	0.98	0.98												
P60	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	1.12	1.00	1.02	1.00	0.98	0.98												
P65	0.00	PUMPS, WATER, DIAPHRAGM																		
P65	0.11	SKID MOUNTED, ENGINE DRIVE	1.12	1.00	1.02	1.00	0.98	0.98												

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 2 TYPE OF EQUIPMENT	Life in Years / Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
			2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
P65	0.12	SKID MOUNTED, ELECTRIC DRIVE	1.12	1.00	1.02	1.00	0.98	0.98												
P65	0.21	WHEEL MOUNTED, ENGINE DRIVE	1.12	1.00	1.02	1.00	0.98	0.98												
P65	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	1.12	1.00	1.02	1.00	0.98	0.98												
P70	0.00	PUMPS, WATER (For core drills)																		
P70	0.01	ENGINE DRIVE	1.13	1.00	1.02	1.00	0.98	0.98												
P70	0.02	ELECTRIC DRIVE	1.13	1.00	1.02	1.00	0.98	0.98												
R10	0.00	RIPPERS & HYDRAULIC BANK SLOPERS (Add cost for point wear)	1.10	1.05	1.02	1.00	1.00	0.99												
R15	0.00	ROLLERS, STATIC, TOWED, PNEUMATIC	1.11	1.08	1.03	1.00	0.99	0.96	0.98											
R20	0.00	ROLLERS, STATIC, TOWED, STEEL DRUM	1.11	1.08	1.03	1.00	0.99	0.96	0.98											
R30	0.00	ROLLERS, STATIC, SELF-PROPELLED																		
R30	0.01	PNEUMATIC	1.10	1.08	1.03	1.00	0.99	0.97												
R30	0.02	SMOOTH DRUM	1.10	1.08	1.03	1.00	0.99	0.97	0.98											
R30	0.03	TAMPING FOOT, LANDFILL & SOIL COMPACTORS	1.11	1.08	1.03	1.00	0.99	0.96	0.98	0.96	0.94									
R40	0.00	ROLLERS, VIBRATORY, TOWED	1.11	1.08	1.03	1.00	0.99	0.96												
R45	0.00	ROLLERS, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM	1.11	1.08	1.03	1.00	0.99	0.96												
R50	0.00	ROLLERS, VIBRATORY, SELF-PROPELLED, SINGLE DRUM	1.12	1.09	1.03	1.00	0.99	0.96												
R55	0.00	ROOFING EQUIPMENT	1.12	1.00	1.02	1.00	0.98													
S10	0.00	SCRAPERS, ELEVATING																		
S10	0.01	0 THRU 200 HP	1.09	1.05	1.01	1.00	0.99	0.98	0.96											
S10	0.02	OVER 200 HP	1.10	1.06	1.01	1.00	0.99	0.98	0.96	0.92	0.89									
S15	0.00	SCRAPERS, CONVENTIONAL	1.09	1.05	1.01	1.00	0.99	0.98	0.96	0.93	0.90	0.89	0.83							
S20	0.00	SCRAPERS, TANDEM POWERED	1.09	1.05	1.01	1.00	0.99	0.98	0.96	0.93	0.90	0.89	0.83							
S25	0.00	SCRAPERS, TRACTOR DRAWN	1.09	1.05	1.01	1.00	0.99	0.98	0.96	0.93	0.90									
S30	0.00	SCREENING & CRUSHING PLANTS																		
S30	0.10	CONVEYORS	1.11	1.00	1.02	1.00	0.99	0.98	0.97											
S30	0.20	CRUSHERS - VERTICAL & HORIZONTAL SHAFT IMPACTOR	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.94	0.92	0.90	0.88	0.87	0.84	0.82	0.79	0.76	0.72
S30	0.21	CRUSHERS - CONE	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.94	0.92	0.90	0.88	0.87	0.84	0.82	0.79	0.76	0.72

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 2 TYPE OF EQUIPMENT	Life in Years / Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
			2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
S30	0.22	CRUSHERS - JAW	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.94	0.92	0.90	0.88	0.87	0.84	0.82	0.79	0.76	0.72
S30	0.30	SCREENING PLANT	1.11	1.00	1.02	1.00	0.99	0.98	0.97											
S35	0.00	SNOW REMOVAL EQUIPMENT	1.12	1.00	1.02	1.00	0.98	0.98												
S40	0.00	SOIL & ROAD STABILIZERS	1.09	1.05	1.01	1.00	0.99	0.98	0.96											
S45	0.00	SPLITTERS, ROCK & CONCRETE	1.12	1.00	1.02	1.00	0.98													
T10	0.00	TRACTOR BLADES & ATTACHMENTS	1.10	1.05	1.02	1.00	1.00	0.99	0.98											
T15	0.00	TRACTORS, CRAWLER (DOZER) (includes blade)																		
T15	0.01	0 THRU 225 HP	1.11	1.06	1.02	1.00	0.99	0.99	0.97											
T15	0.02	226 HP THRU 425 HP	1.10	1.06	1.02	1.00	1.00	0.99	0.97	0.94	0.92									
T15	0.03	OVER 425 HP	1.10	1.05	1.02	1.00	1.00	0.99	0.98	0.94	0.92	0.91	0.87							
T20	0.00	TRACTORS, WHEEL TYPE (DOZER)	1.10	1.08	1.03	1.00	0.99	0.97	0.95	0.92	0.90	0.88								
T25	0.00	TRACTORS, AGRICULTURAL																		
T25	0.10	CRAWLER	1.10	1.08	1.03	1.00	0.99	0.97	0.95											
T25	0.20	WHEEL	1.10	1.08	1.03	1.00	0.99	0.97												
T30	0.00	TRENCHERS, CHAIN TYPE CUTTER	1.00	1.00	1.00	1.00	0.99	0.97												
T35	0.00	TRENCHERS, WHEEL TYPE CUTTER	1.00	1.00	1.00	1.00	0.99	0.97												
T40	0.00	TRUCK OPTIONS																		
T40	0.10	CRANES / HOISTS, PERSONNEL & MATERIAL HANDLING	1.12	1.00	1.02	1.00	0.98	0.98												
T40	0.20	DUMP BODY, REAR	1.11	1.00	1.02	1.00	0.99	0.98												
T40	0.30	FLATBEDS, WITH SIDES	1.12	1.00	1.02	1.00	0.98	0.98												
T40	0.41	HOIST, ELECTRIC DRIVE	1.12	1.00	1.02	1.00	0.98	0.98												
T40	0.50	TRANSIT MIXERS	1.12	1.00	1.02	1.00	0.98	0.98												
T40	0.60	WATER TANKS	1.13	1.00	1.02	1.00	0.98	0.98												
T40	0.70	ALL OTHER OPTIONS	1.12	1.00	1.02	1.00	0.98	0.98												
T45	0.00	TRUCK TRAILERS																		
T45	0.10	BOTTOM DUMP	1.11	1.00	1.02	1.00	0.99	0.98	0.97											
T45	0.20	END DUMP	1.11	1.00	1.02	1.00	0.99	0.98	0.97											

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 2 TYPE OF EQUIPMENT	Life in Years / Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
			2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
T45	0.30	PUP TRAILER	1.11	1.00	1.02	1.00	0.99	0.98												
T45	0.41	LOWBOY, RIGID NECK, DROP DECK	1.11	1.00	1.02	1.00	0.99	0.98	0.97											
T45	0.50	FLATBED TRAILER	1.11	1.00	1.02	1.00	0.99	0.98	0.97											
T45	0.60	MISCELLANEOUS / UTILITY	1.11	1.00	1.02	1.00	0.99	0.98	0.97											
T45	0.70	WATER TANKER TRAILER	1.13	1.00	1.02	1.00	0.98	0.98	0.97											
T45	0.80	DECONTAMINATION FACILITY	1.13	1.00	1.02	1.00	0.98	0.98												
T45	0.90	TANK TRAILERS	1.13	1.00	1.02	1.00	0.98	0.98	0.97											
T50	0.00	TRUCKS, HIGHWAY (Add attachments as required)																		
T50	0.01	0 THRU 10,000 GVW	1.07	1.04	1.01	1.00	0.97	0.97												
T50	0.02	OVER 10,000 THRU 30,000 GVW (Chassis only - Add options)	1.07	1.04	1.01	1.00	0.97	0.97	1.00											
T50	0.03	OVER 30,000 GVW (Chassis only - Add options)	1.07	1.04	1.01	1.00	0.97	0.97	1.00	0.97	0.98									
T55	0.00	TRUCKS, OFF-HIGHWAY																		
T55	0.10	RIGID FRAME	1.16	1.07	1.01	1.00	0.98	0.96	0.94	0.93	0.92	0.89	0.86	0.80	0.78	0.77				
T55	0.20	ARTICULATED FRAME	1.17	1.08	1.01	1.00	0.98	0.96	0.94	0.93	0.91									
T56	0.00	TRUCKS,OFF-HIGHWAY/PRIME MOVER TRACTORS & WAGONS																		
T56	0.10	PRIME MOVER TRACTORS	1.16	1.07	1.01	1.00	0.98	0.96	0.94	0.93	0.92	0.89	0.86	0.80	0.78	0.77				
T56	0.20	WAGONS, BOTTOM DUMP	1.17	1.08	1.01	1.00	0.98	0.96	0.94	0.93	0.91	0.88	0.85							
T56	0.30	WAGONS, REAR DUMP	1.18	1.08	1.01	1.00	0.98	0.96	0.94	0.92	0.91									
T57	0.00	TRUCKS, VACUUM	1.12	1.00	1.02	1.00	0.98	0.98	0.97											
T60	0.00	TRUCKS, WATER, OFF-HIGHWAY	1.18	1.08	1.01	1.00	0.98	0.96	0.94	0.92	0.91									
T65	0.00	TUNNEL/MINING EQUIPMENT																		
T65	0.10	DRIFTING & TUNNELING DRILLS	1.15	1.09	1.02	1.00	0.92	0.89	0.88	0.86	0.85	0.83								
T65	0.20	TUNNEL BORING MACHINES	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.93	0.92	0.89	0.87	0.86					
T65	0.30	PRODUCTION DRILLING RIGS	1.15	1.09	1.02	1.00	0.92	0.89	0.88	0.86	0.85									
T65	0.40	ROADHEADERS & CONTINUOUS MINERS	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.93	0.92	0.89	0.87						
T65	0.50	ROCK BOLTING EQUIPMENT	1.12	1.00	1.02	1.00	0.98	0.98	0.97											
T65	0.61	LOADING & HAULING EQUIPMENT, DIESEL OR GAS	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93									

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 2 TYPE OF EQUIPMENT	Life in Years / Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
			2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
T65	0.62	LOADING & HAULING EQUIPMENT, ELECTRIC	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91								
T65	0.63	LOADING & HAULING EQUIPMENT, AIR-POWERED	1.13	1.00	1.02	1.00	0.98	0.98	0.97											
T65	0.70	LOCOMOTIVES	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93									
T65	0.90	OTHER TUNNELING EQUIPMENT	1.12	1.00	1.02	1.00	0.98	0.98	0.97											
W10	0.00	WAGONS, BOTTOM DUMP	1.17	1.08	1.01	1.00	0.98	0.96	0.94	0.93	0.91									
W15	0.00	WAGONS, REAR DUMP	1.17	1.08	1.01	1.00	0.98	0.96	0.94	0.93	0.91									
W25	0.00	WATER & CO2 BLASTERS																		
W25	0.10	LOW PRESSURE, (< 5,000 PSI)	1.12	1.00	1.02	1.00														
W25	0.20	HIGH PRESSURE, (>= 5,000 PSI)	1.12	1.00	1.02	1.00														
W25	0.30	STEAM CLEANERS	1.12	1.00	1.02	1.00														
W25	0.40	CO2 BLASTERS	1.12	1.00	1.02	1.00	0.98													
W25	0.50	WET ABRASIVE BLASTING SYSTEM (TORBO)	1.14	1.00	1.02	1.00	0.98	0.98	0.96											
W30	0.00	WATER TANKS																		
W30	0.10	PORTABLE WITH WHEELS	1.18	1.08	1.01	1.00	0.98	0.96	0.94	0.92	0.91									
W30	0.20	SKID MOUNTED	1.18	1.08	1.01	1.00	0.98	0.96	0.94	0.92	0.91									
W35	0.00	WELDERS																		
W35	0.10	ENGINE DRIVEN	1.13	1.00	1.02	1.00	0.98	0.98												
W35	0.20	ELECTRIC DRIVEN	1.12	1.00	1.02	1.00	0.98													

TOTAL HOURLY RATE CALCULATION FOR OVERAGE EQUIPMENT

EXAMPLE

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

1. The unit of equipment is not listed in table 2-1.

2. The equipment is contractor owned.

3. Data for the unit in question:

   a. Caterpillar front-end wheel loader
   b. Model 966D, 4WD, 4 CY capacity
   c. Serial number indicates year of manufacture = 1987
   d. Actual purchase price in 1987 = $187,255
      (includes all regional discounts, sales tax and freight)
   e. Horsepower is 200 hp (fuel is Diesel off-road)
   f. Drive tire (DT) size = 23.50 x 25, 16 ply, L-3
      DT cost (2005) = 4 tires x $1,954.00 = $7,816.00
   g. Weight = 44,400 lbs

4. Table 3-1, Age Adjustment Factors for Ownership Costs:

   a. The category L40, subcategory 0.11 (wheel loaders < 225 hp)
   b. The year corresponding to the last age adjustment factor = 1999

5. Adjust the actual purchase price:

   a. Economic Indexes from appendix E (wheel loaders EK = 45)
      (1) For 1999 (first year of economic life), the economic index = 5511
      (2) For 1987 (year of manufacture), the economic index = 4099

   b. Purchase price [total equipment value (TEV)] indexed to 1999 (first year of economic life): (Purchase price includes discount, sales tax, and freight for this region).

      (5511/4099) x $187,255 = $251,760 (=1999 purchase price)

6. 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 INFORMATION AND EXPENSE FACTORS**

ID No.: _____

a. Equipment Specification Data:
   (1) Equipment Description: Caterpillar front-end wheel loader
   (2) Model and Series: Model 966D, 4WD, 4 CY capacity
   (3) Year of Use: 2005
   (4) Year Manufactured: 1987 (Indexed to 1999)
   (5) Horsepower - Equipment: 200
   (6) Horsepower - Carrier: _____
   (7) Fuel type: - Equipment: gas/diesel off-road/diesel on-road/electric/air D-off
   - Carrier: gas/diesel off-road/diesel on-road/electric/air _____
   (8) Shipping Weight (cwt): 444 cwt
   (9) Tire size and number of tires: (Cost of tires based on year of use – see 1.a.(3) and appendix F)

	No.	Size/Ply	Unit Price	Cost
(a) Front (FT):			$	$
(b) Drive (DT):	4-ANNB5	23.5x25/16 ply	$ 1,954.00	$ 7,816.00
(c) Trailing (TT):			$	$
(d) Total Tire Cost:				$ 7,816.00

USE APPENDIX D TO COMPLETE THE FOLLOWING DATA:

b. Category and Subcategory Number: L40 0.11
c. Hourly Expense Calculation Factors:
   (1) Economic Key (EK): 45
   (2) Condition (C): X Average or Severe or Difficult
   (3) Discount Code (DC): B = 7.5% (0.075) – or – S = 15.0% (0.15) 0.075
   (4) Life in Hours (LIFE): 9,250
   (5) Salvage Value Percentage (SLV): 0.25
   (6) Fuel Factor – Equipment [Electric (E) Gas (G) Diesel (D)]: 0.031
   (7) Fuel Factor – Carrier (E G D): 0.000
   (8) Filters, Oil, and Grease (FOG) Factor (E G D): 0.445
   (9) Tire Wear Factor:
      (a) Front (FT): 0.00
      (b) Drive (DT): 0.54
      (c) Trailing (TT): 0.00
   (10) Repair Cost Factor (RCF): 0.70

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

Page 1 of 6

2. **EQUIPMENT VALUE**

a. List Price + Accessories: *[at Year of Manufacture]* =$_____

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

($_____ + $_____) x (_____) =-($_____

(2) Subtotal [2.a.] – [2.a.(1)] Subtotal=$_____

(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)] Subtotal=$_____

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

(_____cwt) x ($_____/cwt) =+$_____

c. **TOTAL EQUIPOMENT VALUE (TEV):** **TOTAL[2.]:=$**251,760.00
[(2.a.(4)] + [(2.b)]

(See chapter 3 for used and overage equipment rate adjustments.)

3. **DEPRECIATION PERIOD (N)**

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

(9,250 hr) / (1,450 hr/yr) = 6.38

4. **OWNERSHIP COST**

a. Depreciation

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

(2371) / (2735) = 0.867 (TCI)
(For 1999) (For 2005)

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

[($251,760.00) x [1.0 – (0.250)] – [(0.867) x ($7,816.00)]] / (9,250 hr)

=$19.68 /hr

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

Page 2 of 6

4. **OWNERSHIP COST (Continued)**

b. Facilities Capital Cost of Money (FCCM):

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

[[(6.38 yr) – 1.0] x [1.0 + (0.250)] + 2.0] / [2.0 x (6.38 yr)]

= 0.684 (AVF)

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

($251,760.00) x (0.684) x (0.034) / (1,450 hr/yr)
=$ 4.04 /hr

c. **TOTAL HOURLY OWNERSHIP COST: TOTAL [4.]:** **=$** 23.72 /hr
[4.a.(2)] + [4.b.(2)]

5. **OPERATING COST**

a. Fuel Costs:

(1) Equipment:

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

(0.031) x (200 hp) x ($1.64 / gal) =$ 10.17 /hr

(2) Carrier:

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

(0.000) x (0 hp) x ($0.00 /gal) =$ 0.00 /hr

(3) Total Hourly Fuel Cost: **Total [5.a.]** =$ 10.17 /hr
[(5.a.(1)] + [5.a.(2)]

b. FOG Cost:

(1) Equipment:

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

(0.445) x ($10.17 /hr) x (1.07) =$ 4.84 /hr

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

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5. **OPERATING COST (Continued)**

(2) Carrier:

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

(0) x ($0.00 /hr) x (0) =$ 0.00 /hr

(3) Total Hourly FOG Cost: **Total [5.b.]** =$ 4.84 /hr
[(5.b.(1)] + [5.b.(2)]

c. Alternative Fuel/FOG Cost: **Total [5.c.]** =$ 0.00 /hr

(See chapter 2, paragraph 24.d. for guidance on when to use.)

d. Repair Cost:

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

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

(6068) / (5511) = 1.101 (EAF)
(For 2005) **(For 1999)**
(See table 3-1 for last year of economic life.)

(2) Repair Factor (RF):

(RCF) x (EAF) x (LAF) = Repair Factor (RF)
[1.c.(10)] [5.d.(1)] [Appendix B]

(0.70) x (1.101) x (1.07) = 0.825 (RF)

(3) Repair Cost:

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

[($251,760) – [(0.867) x ($7,816.00)]] x (0.825) / (9,250)

(4) Total Hourly Repair Cost: **Total [5.d.]** =$ 21.85/hr

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

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5. **OPERATING COST (Continued)**

e. Tire Wear Cost: (Use current price levels. See Appendix F)

(1) Front Tires (FT):

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

[1.5 x ($0.00)] / [1.8 x (0.00) x (0/hr)]

=$ 0.00 /hr

(2) Drive Tires (DT):

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

[1.5 x ($7,816.00)] / [1.8 x (0.54) x (3,200/hr)]

=$ 3.77 /hr

(3) Trailing Tires (TT):

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

[1.5 x ($0.00)] / [1.8 x (0) x (0/hr)]

=$ 0.00 /hr

(4) Total Tire Wear Cost: **Total [5.e.]** =$ 3.77 /hr
[Sum 5.e.(1) through 5.e.(3)]

f. Tire Repair Cost:

(Total Tire Wear Cost) x 0.15 x (LAF)
[5.e.(4)] [Appendix B]

($3.77/hr) x 0.15 x (1.07) **Total [5.f.]** =$ 0.61 /hr

g. **TOTAL HOURLY OPERATING COST:** **TOTAL [5.] =$** 41.24 /hr
[Sum 5.a. through 5.f.]

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

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6. **HOURLY RATES**

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

(Ownership Cost) + (Operating Cost)

($23.72 /hr) + ($41.24 /hr) =$ 64.96 /hr

b. Other Work Shifts Hourly Rate:
(Refer to Chapter 3, Adjustments to Rates, for methodology.)

[(Depreciation) + [(FCCM) x (40 hr/wk) / (Work hr/wk)] + (Operating Cost)]
[4.a.(2)] [4.b.(2)] (example: 60 hr/wk) [5.g.]

[($0.00 /hr) + [($0.00 /hr) x (40 hr/wk) / (0 hr/wk)] + ($0.00 /hr)]

=$ 0.00 /hr

c. Standby Hourly Rate:

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

[($0.00 /hr) x 0.50] + ($0.00 /hr) =$ 0.00 /hr)

See Chapter 3 if rate adjustments are necessary.

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

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Table 3-2. Equipment Age Adjustment Factors

for

Standby costs

The factors in this table are used when the age of a unit of equipment is other than the age of the equipment listed in table 2-1.

These factors 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 actual “life” in hours of the unit of equipment has exceeded the economic life given in appendix D, the age will be determined as discussed in chapter 3.

Refer to chapter 3, as follows:

3-13. Rate Adjustments Overage Equipment Standby

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 2 TYPE OF EQUIPMENT	Life in Years / Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
			2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
A10	0.00	AGGREGATE / CHIP SPREADERS																		
A10	0.10	SELF-PROPELLED	1.03	1.00	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.88	0.86	0.84	0.82	0.79	0.79	0.75	0.72	0.70
A10	0.20	TOWED & TAILGATE	1.03	1.00	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.88	0.86	0.84	0.82	0.79	0.79	0.75	0.71	0.69
A15	0.00	AIR COMPRESSORS, PORTABLE																		
A15	0.10	ROTARY SCREW	1.04	1.01	1.00	1.00	1.01	0.99	1.01	1.00	1.00	1.00	0.99	0.97	0.97	0.97	0.94	0.94	0.90	0.85
A15	0.20	SHOP TYPE	1.04	1.01	1.00	1.00	1.01	0.99	1.00	1.00	1.00	1.00	0.99	0.97	0.97	0.97	0.94	0.94	0.90	0.86
A20	0.00	AIR HOSE, TOOLS & EQUIPMENT																		
A20	0.10	AIR DRILL HOSE	1.04	1.01	1.00	1.00	1.01	0.99	1.00	1.00	1.00	1.00	0.99	0.97	0.98	0.97	0.95	0.94	0.91	0.86
A20	0.20	SANDBLAST HOSE	1.04	1.01	1.00	1.00	1.01	0.99	1.00	1.00	1.00	1.00	0.99	0.97	0.98	0.97	0.95	0.94	0.91	0.86
A20	0.30	SANDBLASTERS, BREAKERS, & MISC. AIR TOOLS	1.04	1.01	1.00	1.00	1.01	0.99	1.00	1.00	1.00	1.00	0.99	0.97	0.98	0.97	0.94	0.94	0.90	0.86
A25	0.00	ASPHALT PAVING DISTRIBUTORS	1.03	1.00	1.00	1.00	1.00	0.98	0.96	0.95	0.92	0.89	0.87	0.85	0.83	0.80	0.81	0.77	0.74	0.72
A30	0.00	ASPHALT PAVERS & MISCELLANEOUS ROAD EQUIPMENT																		
A30	0.10	SELF PROPELLED	1.03	1.00	1.00	1.00	1.00	0.98	0.96	0.95	0.92	0.89	0.87	0.84	0.83	0.80	0.80	0.76	0.73	0.71
A30	0.20	TOWED	1.03	1.00	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.88	0.86	0.84	0.82	0.79	0.80	0.75	0.72	0.70
A30	0.30	SLURRY SEAL PAVERS (Cold mix)	1.03	1.00	1.00	1.00	1.00	0.98	0.96	0.95	0.92	0.89	0.87	0.84	0.82	0.80	0.80	0.76	0.73	0.71
A30	0.40	MISCELLANEOUS ROAD EQUIPMENT	1.03	1.00	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.88	0.86	0.84	0.82	0.79	0.80	0.75	0.72	0.70
A35	0.00	ASPHALT PAVING KETTLES	1.03	1.00	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.88	0.86	0.84	0.82	0.79	0.79	0.75	0.71	0.69
A40	0.00	ASPHALT & CONCRETE MILLERS / PROFILERS / PLANERS	1.03	1.00	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.88	0.86	0.84	0.82	0.79	0.79	0.75	0.71	0.69
A45	0.00	ASPHALT RECYCLERS & SEALERS	1.03	1.00	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.88	0.86	0.83	0.81	0.78	0.79	0.74	0.71	0.69
B10	0.00	BATCH PLANTS, ASPHALT & CONCRETE																		
B10	0.10	ASPHALT	1.03	1.00	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.88	0.86	0.84	0.82	0.79	0.79	0.75	0.72	0.70
B10	0.20	CONCRETE	1.03	1.00	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.88	0.86	0.84	0.82	0.79	0.79	0.75	0.72	0.70
B10	0.30	PUGMILL	1.03	1.00	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.88	0.86	0.84	0.82	0.79	0.80	0.75	0.72	0.70
B15	0.00	BROOMS, STREET SWEEPERS & FLUSHERS	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.81	0.79	0.76	0.72
B20	0.00	BRUSH CHIPPERS	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.81	0.79	0.76	0.72
B25	0.00	BUCKETS, CLAMSHELL	1.10	1.06	1.03	1.00	0.93	0.95	0.96	0.95	0.95	0.93	0.91	0.91	0.91	0.87	0.80	0.76	0.71	0.64
B30	0.00	BUCKETS, CONCRETE																		

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 2 TYPE OF EQUIPMENT	Life in Years / Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
			2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
B30	0.10	GENERAL PURPOSE, MANUAL TRIP	1.09	1.05	1.03	1.00	0.94	0.95	0.96	0.95	0.95	0.93	0.92	0.91	0.92	0.87	0.81	0.77	0.72	0.66
B30	0.20	LAYDOWN	1.09	1.05	1.03	1.00	0.94	0.95	0.96	0.95	0.95	0.93	0.92	0.91	0.92	0.87	0.81	0.77	0.72	0.66
B30	0.30	LOWBOY	1.09	1.05	1.03	1.00	0.94	0.95	0.96	0.95	0.95	0.93	0.92	0.91	0.92	0.87	0.81	0.77	0.72	0.66
B30	0.40	LOW SLUMP	1.09	1.05	1.03	1.00	0.94	0.95	0.96	0.95	0.95	0.93	0.92	0.91	0.92	0.87	0.81	0.77	0.72	0.66
B35	0.00	BUCKETS, DRAGLINE																		
B35	0.10	LIGHT WEIGHT	1.10	1.06	1.03	1.00	0.93	0.95	0.96	0.95	0.95	0.93	0.91	0.91	0.91	0.87	0.80	0.76	0.71	0.64
B35	0.20	MEDIUM WEIGHT	1.10	1.06	1.03	1.00	0.93	0.95	0.96	0.95	0.95	0.93	0.91	0.91	0.91	0.87	0.80	0.76	0.71	0.65
B35	0.30	HEAVY WEIGHT	1.10	1.06	1.03	1.00	0.93	0.95	0.96	0.95	0.95	0.93	0.91	0.91	0.91	0.87	0.80	0.76	0.71	0.65
C05	0.00	CHAIN SAWS	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.93	0.92	0.89	0.87	0.86	0.83	0.81	0.78	0.75	0.71
C10	0.00	COMPACTORS, WALK-BEHIND OR REMOTE CONTROLLER																		
C10	0.10	COMPACTORS, RAMMERS / TAMPERS & VIBRATORY PLATES	1.10	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.94	0.92	0.90	0.88	0.87	0.84	0.82	0.80	0.76	0.73
C10	0.20	ROLLERS, VIBRATORY	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.89	0.87	0.85	0.83	0.80	0.77	0.74	0.70
C15	0.00	CONCRETE CLEANERS / BLASTERS	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.84	0.82	0.79	0.76	0.72	0.68
C20	0.00	CONCRETE BUGGIES	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.84	0.82	0.79	0.76	0.72	0.68
C25	0.00	CONCRETE FINISHERS/SCREEDS/SPREADERS																		
C25	0.10	FINISHERS/TROWELS	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.85	0.82	0.79	0.76	0.73	0.68
C25	0.20	VIBRATORY SCREED	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.85	0.82	0.79	0.76	0.73	0.68
C25	0.25	VIBRATORY LASER SCREED	1.13	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.92	0.90	0.88	0.85	0.83	0.81	0.78	0.74	0.71	0.66
C25	0.30	MATERIAL/TOPPING SPREADERS	1.13	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.92	0.90	0.88	0.85	0.83	0.81	0.78	0.74	0.71	0.66
C30	0.00	CONCRETE GRINDERS	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.85	0.82	0.79	0.76	0.73	0.68
C35	0.00	CONCRETE GUNITERS / SHOTCRETERS	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.84	0.81	0.78	0.75	0.72	0.67
C40	0.00	CONCRETE MIXING UNITS	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.85	0.82	0.79	0.76	0.73	0.68
C45	0.00	CONCRETE PAVING MACHINES	1.03	1.00	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.88	0.86	0.84	0.82	0.79	0.79	0.75	0.71	0.69
C55	0.00	CONCRETE PUMPS	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.81	0.79	0.76	0.72
C60	0.00	CONCRETE SAWS (Add cost for sawblade wear)	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.94	0.92	0.90	0.87	0.86	0.84	0.81	0.79	0.75	0.72
C65	0.00	CONCRETE VIBRATORS	1.04	1.01	1.00	1.00	1.01	0.99	1.00	1.00	1.00	1.00	0.99	0.97	0.98	0.97	0.94	0.94	0.90	0.86
C70	0.00	CRANES, GANTRY & STRADDLE																		

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 2 TYPE OF EQUIPMENT	Life in Years / Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
			2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
C75	0.00	CRANES, HYDRAULIC, SELF-PROPELLED	1.10	1.06	1.03	1.00	0.93	0.95	0.94	0.93	0.91	0.89	0.86	0.84	0.83	0.80	0.75	0.72	0.68	0.63
C80	0.00	CRANES, HYDRAULIC, TRUCK MOUNTED																		
C80	0.01	UNDER 26 TON	1.10	1.06	1.03	1.00	0.93	0.95	0.94	0.93	0.91	0.89	0.86	0.84	0.83	0.80	0.75	0.72	0.68	0.63
C80	0.02	26 TON THRU 65 TON	1.10	1.06	1.03	1.00	0.93	0.95	0.94	0.93	0.91	0.89	0.86	0.84	0.84	0.80	0.75	0.72	0.69	0.63
C80	0.03	66 TON THRU 125 TON	1.10	1.06	1.03	1.00	0.93	0.95	0.94	0.93	0.91	0.89	0.86	0.85	0.84	0.80	0.75	0.72	0.69	0.63
C80	0.04	OVER 125 TON	1.10	1.05	1.03	1.00	0.93	0.95	0.94	0.93	0.91	0.89	0.87	0.85	0.84	0.80	0.75	0.73	0.69	0.64
C85	0.00	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER MOUNTED																		
C85	0.11	DRAGLINE, CLAMSHELL, 0 THRU 1.0 CY	1.10	1.06	1.03	1.00	0.93	0.94	0.94	0.93	0.91	0.88	0.86	0.84	0.83	0.79	0.74	0.71	0.67	0.62
C85	0.12	DRAGLINE, CLAMSHELL, OVER 1.0 CY THRU 2.5 CY	1.10	1.06	1.03	1.00	0.93	0.95	0.94	0.93	0.91	0.89	0.86	0.84	0.83	0.79	0.74	0.71	0.68	0.62
C85	0.13	DRAGLINE, CLAMSHELL, OVER 2.5 CY THRU 5.0 CY	1.10	1.06	1.03	1.00	0.93	0.95	0.94	0.93	0.91	0.89	0.86	0.84	0.83	0.79	0.75	0.72	0.68	0.63
C85	0.14	DRAGLINE, CLAMSHELL, OVER 5.0 CY	1.10	1.06	1.03	1.00	0.93	0.95	0.94	0.93	0.91	0.89	0.86	0.84	0.83	0.80	0.75	0.72	0.68	0.63
C85	0.21	LIFTING, 0 THRU 25 TON	1.10	1.06	1.03	1.00	0.93	0.95	0.94	0.93	0.91	0.89	0.86	0.84	0.83	0.79	0.74	0.71	0.68	0.62
C85	0.22	LIFTING, 26 TON THRU 50 TON	1.10	1.06	1.03	1.00	0.93	0.95	0.94	0.93	0.91	0.89	0.86	0.84	0.83	0.79	0.75	0.72	0.68	0.63
C85	0.23	LIFTING, 51 TON THRU 150 TON	1.10	1.05	1.03	1.00	0.93	0.95	0.94	0.93	0.91	0.89	0.87	0.85	0.84	0.80	0.75	0.73	0.69	0.64
C85	0.24	LIFTING, OVER 150 TON	1.10	1.05	1.03	1.00	0.93	0.95	0.94	0.93	0.91	0.89	0.87	0.85	0.84	0.80	0.76	0.73	0.69	0.64
C90	0.00	CRANES, MECHANICAL, LATTICE BOOM, TRUCK MOUNTED																		
C90	0.01	UNDER 26 TON	1.10	1.06	1.03	1.00	0.93	0.95	0.94	0.93	0.91	0.89	0.86	0.84	0.83	0.80	0.75	0.72	0.68	0.63
C90	0.02	26 TON THRU 65 TON	1.10	1.06	1.03	1.00	0.93	0.95	0.94	0.93	0.91	0.89	0.86	0.84	0.84	0.80	0.75	0.72	0.69	0.63
C90	0.03	66 TON THRU 125 TON	1.10	1.06	1.03	1.00	0.93	0.95	0.94	0.93	0.91	0.89	0.86	0.84	0.83	0.79	0.75	0.72	0.68	0.63
C90	0.04	OVER 125 TON	1.10	1.06	1.03	1.00	0.93	0.95	0.94	0.93	0.91	0.89	0.86	0.84	0.83	0.80	0.75	0.72	0.68	0.63
C95	0.00	CRANES, TOWER	1.10	1.06	1.03	1.00	0.93	0.95	0.94	0.93	0.91	0.89	0.86	0.84	0.83	0.79	0.75	0.72	0.68	0.63
D10	0.00	DRILLS,AIR/HYDRAULIC,CRWLR MTD,0" THRU 6.5" DIA HOLE (Add cost for drill steel and bit wear)																		
D10	0.10	AIR TRACK (Add cost for drill steel and bit wear)	1.16	1.09	1.02	1.00	0.91	0.89	0.88	0.86	0.84	0.83	0.79	0.77	0.76	0.74	0.73	0.70	0.67	0.63
D10	0.20	HYDRAULIC TRACK (Add cost for drill steel and bit wear)	1.16	1.10	1.02	1.00	0.91	0.89	0.87	0.85	0.84	0.82	0.78	0.76	0.75	0.73	0.72	0.69	0.66	0.61
D15	0.00	DRILLS, HORIZONTAL BORING & GROUND PIERCING (Add cost for drill steel and bit wear)	1.16	1.10	1.02	1.00	0.91	0.89	0.87	0.85	0.84	0.82	0.78	0.76	0.75	0.73	0.72	0.69	0.66	0.61
D20	0.00	DRILLS, CORE, COLUMN MOUNTED (Add cost for drill steel and bit wear)	1.17	1.10	1.02	1.00	0.91	0.88	0.87	0.85	0.83	0.82	0.78	0.76	0.74	0.72	0.71	0.68	0.65	0.60
D25	0.00	DRILLS, CORE & DOWELLING (Add cost for drill steel and bit wear)	1.16	1.10	1.02	1.00	0.91	0.89	0.87	0.85	0.84	0.82	0.78	0.76	0.75	0.73	0.72	0.69	0.66	0.61

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 2 TYPE OF EQUIPMENT	Life in Years / Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
			2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
D30	0.00	DRILLS, EARTH / AUGER (Add cost for drill steel and cutting edge wear)	1.16	1.10	1.02	1.00	0.91	0.89	0.87	0.85	0.84	0.82	0.78	0.76	0.75	0.73	0.72	0.69	0.66	0.61
D35	0.00	DRILLS, ROTARY BLASTHOLE (Add cost for drill steel and bit wear)																		
D35	0.11	DIESEL, 4.5" THRU 9.875" DIAMETER HOLE (Add cost for drill steel and bit wear)	1.15	1.09	1.02	1.00	0.92	0.89	0.88	0.86	0.85	0.83	0.80	0.78	0.77	0.75	0.74	0.71	0.68	0.64
D35	0.12	DIESEL, OVER 9.875" DIAMETER (Add cost for drill steel and bit wear)	1.15	1.09	1.02	1.00	0.92	0.90	0.88	0.87	0.85	0.84	0.81	0.79	0.77	0.75	0.74	0.72	0.69	0.65
D35	0.21	ELECTRIC, 4.5" THRU 9.875" DIAMETER HOLE (Add cost for drill steel and bit wear)	1.15	1.09	1.02	1.00	0.92	0.89	0.88	0.86	0.85	0.83	0.80	0.78	0.77	0.75	0.74	0.71	0.68	0.64
D35	0.22	ELECTRIC, OVER 9.875" DIAMETER (Add cost for drill steel and bit wear)	1.15	1.09	1.02	1.00	0.92	0.90	0.88	0.87	0.85	0.84	0.81	0.79	0.77	0.75	0.74	0.72	0.69	0.65
F10	0.00	FORK LIFTS	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.89	0.87	0.85	0.83	0.80	0.77	0.74	0.70
G10	0.00	GENERATOR SETS																		
G10	0.10	PORTABLE	1.08	1.02	1.00	1.00	1.00	1.00	0.99	0.99	0.98	0.99	0.98	0.95	0.94	0.93	0.91	0.90	0.87	0.82
G10	0.20	SKID MOUNTED	1.08	1.02	1.00	1.00	1.00	1.00	0.99	0.99	0.98	0.99	0.98	0.95	0.94	0.93	0.91	0.90	0.87	0.82
G15	0.00	GRADERS, MOTOR	1.09	1.05	1.01	1.00	0.99	0.98	0.96	0.93	0.90	0.89	0.83	0.82	0.79	0.73	0.70	0.68	0.65	0.61
H10	0.00	HAMMERS, HYDRAULIC (Demolition tool) (Add cost for point wear)	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.85	0.82	0.79	0.76	0.73	0.69
H13	0.00	HAZARDOUS/TOXIC WASTE EQUIPMENT																		
H13	0.11	COMPACTORS (Compression force) 0 THRU 50 TONS	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.93	0.92	0.89	0.87	0.86	0.83	0.81	0.78	0.75	0.71
H13	0.12	COMPACTORS (Compression force) OVER 50 TONS	1.11	1.00	1.02	1.00	0.98	0.98	0.97	0.96	0.93	0.91	0.89	0.87	0.85	0.83	0.80	0.78	0.74	0.70
H13	0.21	FILTER PRESSES, STATIONARY	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.89	0.87	0.85	0.83	0.80	0.77	0.74	0.70
H13	0.22	FILTER PRESSES, MOBILE	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.93	0.92	0.89	0.87	0.86	0.83	0.81	0.78	0.75	0.71
H13	0.30	CENTRIFUGES	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.84	0.82	0.79	0.76	0.72	0.68
H13	0.40	SHREDDERS	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.93	0.92	0.89	0.87	0.86	0.83	0.81	0.78	0.75	0.71
H13	0.51	SOIL TREATMENT PLANT, MOBILE	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.93	0.92	0.89	0.87	0.86	0.83	0.81	0.78	0.75	0.71
H13	0.61	SLUDGE PROCESSING EQUIP, SLUDGE DISPENSERS	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.93	0.92	0.89	0.87	0.86	0.83	0.81	0.78	0.75	0.71
H13	0.71	WASTE HANDLING EQUIPMENT, DRUM HANDLING	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.89	0.87	0.85	0.83	0.80	0.77	0.74	0.70
H15	0.00	HEATERS, SPACE																		
H20	0.00	HOISTS & AIR WINCHES	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.89	0.86	0.85	0.83	0.80	0.77	0.74	0.69
H25	0.00	HYDRAULIC EXCAVATORS, CRAWLER MOUNTED																		
H25	0.10	0 LBS THRU 12,500 LBS (COMPACT EXCAVATORS)	1.11	1.06	1.03	1.00	0.92	0.94	0.93	0.92	0.90	0.87	0.84	0.82	0.81	0.77	0.71	0.68	0.64	0.58
H25	0.11	OVER 12,500 LBS THRU 40,000 LBS	1.11	1.06	1.03	1.00	0.92	0.94	0.94	0.92	0.90	0.87	0.84	0.82	0.81	0.77	0.72	0.68	0.64	0.58

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 2 TYPE OF EQUIPMENT	Life in Years / Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
			2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
H25	0.12	OVER 40,000 LBS THRU 100,000 LBS	1.11	1.06	1.03	1.00	0.93	0.94	0.94	0.92	0.90	0.88	0.85	0.83	0.82	0.78	0.73	0.69	0.66	0.60
H25	0.13	OVER 100,000 LBS THRU 160,000 LBS	1.10	1.06	1.03	1.00	0.93	0.94	0.94	0.93	0.90	0.88	0.86	0.84	0.83	0.79	0.74	0.71	0.67	0.61
H25	0.14	OVER 160,000 LBS	1.10	1.06	1.03	1.00	0.93	0.95	0.94	0.93	0.91	0.89	0.86	0.84	0.83	0.79	0.74	0.71	0.67	0.62
H25	0.21	ATTACHMENTS, MOBILE SHEARS	1.11	1.00	1.02	1.00	0.98	0.98	0.97	0.96	0.93	0.91	0.89	0.87	0.85	0.83	0.80	0.78	0.74	0.70
H25	0.22	ATTACHMENTS, MATERIAL HANDLING	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.85	0.82	0.79	0.76	0.73	0.69
H25	0.23	ATTACHMENTS, CONCRETE PULVERIZERS	1.11	1.00	1.02	1.00	0.98	0.98	0.97	0.96	0.93	0.91	0.89	0.87	0.85	0.83	0.80	0.78	0.74	0.70
H25	0.24	ATTACHMENTS, COMPACTORS	1.11	1.00	1.02	1.00	0.98	0.98	0.97	0.96	0.93	0.91	0.89	0.87	0.85	0.83	0.80	0.78	0.74	0.70
H30	0.00	HYDRAULIC EXCAVATORS, WHEEL MOUNTED																		
H30	0.01	0 THRU 1.0 CY	1.11	1.06	1.03	1.00	0.92	0.94	0.93	0.92	0.90	0.87	0.84	0.82	0.81	0.77	0.71	0.68	0.64	0.58
H30	0.02	OVER 1.0 CY	1.11	1.06	1.03	1.00	0.92	0.94	0.94	0.92	0.90	0.88	0.85	0.83	0.82	0.77	0.72	0.69	0.65	0.59
H35	0.00	HYDRAULIC SHOVELS, CRAWLER MOUNTED																		
H35	0.11	DIESEL, 0 CY THRU 5.0 CY	1.10	1.06	1.03	1.00	0.93	0.94	0.94	0.93	0.91	0.88	0.86	0.84	0.83	0.79	0.74	0.71	0.67	0.62
H35	0.12	DIESEL, OVER 5.0 CY	1.10	1.06	1.03	1.00	0.93	0.95	0.94	0.93	0.91	0.89	0.86	0.84	0.83	0.79	0.74	0.71	0.68	0.62
H35	0.21	ELECTRIC, OVER 2.5 CY	1.10	1.06	1.03	1.00	0.93	0.95	0.94	0.93	0.91	0.89	0.86	0.84	0.83	0.79	0.75	0.72	0.68	0.63
L10	0.00	LAND CLEARING EQUIPMENT	1.09	1.05	1.02	1.00	1.00	0.99	0.98	0.94	0.92	0.91	0.88	0.84	0.81	0.76	0.73	0.71	0.68	0.63
L15	0.00	LANDSCAPING EQUIPMENT	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.89	0.87	0.85	0.83	0.80	0.77	0.74	0.70
L20	0.00	LIGHTING SETS, TRAILER MOUNTED																		
L20	0.10	METALLIC VAPOR	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.89	0.86	0.85	0.82	0.80	0.77	0.73	0.69
L25	0.00	LINE STRIPING EQUIPMENT	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.89	0.86	0.85	0.82	0.80	0.77	0.73	0.69
L30	0.00	LOADERS, BELT (Conveyor belts) & ACCESSORIES	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.89	0.87	0.85	0.83	0.80	0.77	0.74	0.70
L35	0.00	LOADERS, FRONT END, CRAWLER TYPE	1.09	1.05	1.02	1.00	1.00	0.99	0.98	0.94	0.92	0.91	0.88	0.84	0.81	0.76	0.73	0.71	0.68	0.63
L40	0.00	LOADERS, FRONT END, WHEEL TYPE																		
L40	0.11	ARTICULATED, 0 THRU 225 HP	1.10	1.05	1.02	1.00	1.00	0.99	0.98	0.96	0.93	0.92	0.89	0.86	0.84	0.81	0.79	0.76	0.74	0.70
L40	0.12	ARTICULATED, OVER 225 HP	1.09	1.05	1.02	1.00	1.00	0.99	0.98	0.96	0.94	0.93	0.90	0.87	0.85	0.83	0.80	0.78	0.76	0.72
L40	0.20	SKID STEER	1.10	1.05	1.02	1.00	1.00	0.99	0.98	0.96	0.93	0.92	0.89	0.87	0.85	0.82	0.79	0.77	0.75	0.71
L40	0.21	SKID STEER ATTACHMENTS	1.10	1.05	1.02	1.00	1.00	0.99	0.98	0.96	0.93	0.92	0.89	0.86	0.84	0.81	0.79	0.76	0.74	0.70
L40	0.31	TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP	1.10	1.05	1.02	1.00	1.00	0.99	0.98	0.96	0.93	0.92	0.89	0.87	0.84	0.82	0.79	0.77	0.74	0.70

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 2 TYPE OF EQUIPMENT	Life in Years / Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
			2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
L40	0.32	TOOL CARRIER & TELESCOPIC HANDLERS, OVER 225 HP	1.09	1.05	1.02	1.00	1.00	0.99	0.98	0.96	0.94	0.93	0.90	0.88	0.86	0.83	0.81	0.79	0.76	0.73
L45	0.00	LOADERS / BACKHOE, CRAWLER TYPE	1.10	1.05	1.02	1.00	1.00	0.99	0.98	0.94	0.92	0.91	0.87	0.84	0.80	0.75	0.73	0.70	0.67	0.63
L50	0.00	LOADERS / BACKHOE, WHEEL TYPE	1.10	1.05	1.02	1.00	1.00	0.99	0.98	0.96	0.93	0.92	0.89	0.87	0.84	0.82	0.79	0.77	0.74	0.70
L55	0.00	LOADER / BACKHOE, ATTACHMENTS	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.85	0.82	0.79	0.76	0.73	0.69
L60	0.00	LOG SKIDDERS	1.10	1.08	1.03	1.00	0.99	0.97	0.95	0.92	0.90	0.89	0.88	0.87	0.84	0.83	0.81	0.79	0.77	0.75
M10	0.00	MARINE EQUIPMENT (NON DREDGING)																		
M10	0.11	AQUATIC MAINTENANCE	1.15	1.11	1.05	1.00	0.99	0.96	0.94	0.94	0.92	0.88	0.84	0.83	0.81	0.78	0.73	0.70	0.66	0.63
M10	0.12	AQUATIC MAINTENANCE ATTACHMENTS	1.16	1.12	1.05	1.00	0.98	0.96	0.94	0.93	0.91	0.87	0.83	0.81	0.80	0.76	0.71	0.67	0.63	0.60
M10	0.21	HYDRAULIC CUTTERHEAD DREDGE, 8" OR LESS,TRANSPORTABLE	1.14	1.11	1.05	1.00	0.99	0.96	0.95	0.94	0.92	0.89	0.85	0.84	0.83	0.79	0.75	0.72	0.68	0.65
M10	0.22	HYDRAULIC CUTTERHEAD DREDGE,8" - 12",TRANSPORTABLE	1.14	1.11	1.05	1.00	0.99	0.96	0.95	0.94	0.92	0.89	0.85	0.84	0.83	0.79	0.75	0.72	0.68	0.65
M10	0.23	HYDRAULIC AUGERHEAD DREDGE,12" OR LESS,TRANSPORTABLE	1.14	1.11	1.05	1.00	0.99	0.96	0.95	0.94	0.92	0.89	0.85	0.84	0.83	0.79	0.75	0.72	0.68	0.65
M10	0.24	HYDRAULIC FLOATING PUMPS,12" OR LESS,TRANSPORTABLE	1.14	1.11	1.05	1.00	0.99	0.96	0.95	0.94	0.92	0.89	0.85	0.83	0.82	0.78	0.74	0.71	0.67	0.64
M10	0.25	HYDRUALIC DREDGE PUMPS,12" OR LESS,TRANSPORTABLE	1.15	1.12	1.05	1.00	0.99	0.96	0.94	0.93	0.92	0.88	0.84	0.82	0.81	0.77	0.72	0.69	0.65	0.62
M10	0.26	HYDRAULIC DREDGE / PUMP ATTACHMENTS	1.15	1.12	1.05	1.00	0.99	0.96	0.94	0.93	0.92	0.88	0.84	0.82	0.81	0.77	0.72	0.69	0.65	0.62
M10	0.31	SMALL MECH DREDGES,CLAMSHELL,BARGE-MTD TO 5 CY	1.10	1.06	1.03	1.00	0.93	0.95	0.94	0.93	0.91	0.89	0.86	0.85	0.84	0.80	0.75	0.72	0.69	0.63
M10	0.32	SMALL MECH DREDGES, AMPHIBIOUS EXCAVATORS	1.10	1.06	1.03	1.00	0.93	0.95	0.94	0.93	0.91	0.89	0.86	0.84	0.83	0.79	0.74	0.71	0.68	0.62
M10	0.33	SMALL MECH DREDGES,HOE-MOUNTED DREDGING ATTACH	1.14	1.11	1.05	1.00	0.99	0.96	0.95	0.94	0.92	0.89	0.85	0.84	0.82	0.79	0.74	0.71	0.68	0.65
M10	0.41	WORK FLOATS (NON-DREDGING)	1.14	1.11	1.05	1.00	0.99	0.96	0.95	0.94	0.92	0.89	0.85	0.83	0.82	0.78	0.74	0.70	0.67	0.64
M10	0.42	WORK BARGES (SECTIONAL, NON-DREDGING)	1.13	1.10	1.04	1.00	0.99	0.96	0.95	0.94	0.93	0.89	0.86	0.84	0.83	0.80	0.75	0.72	0.69	0.66
M10	0.45	FLAT-DECK OR CARGO BARGE (NON-DREDGING)	1.13	1.10	1.04	1.00	0.99	0.97	0.95	0.94	0.93	0.90	0.86	0.85	0.84	0.80	0.76	0.74	0.71	0.68
M10	0.46	DUMP SCOW (NON-DREDGING)	1.13	1.10	1.04	1.00	0.99	0.97	0.95	0.94	0.93	0.90	0.86	0.85	0.84	0.80	0.76	0.74	0.71	0.68
M10	0.47	DRILL BARGE (NON-DREDGING)	1.13	1.10	1.04	1.00	0.99	0.97	0.95	0.94	0.93	0.90	0.86	0.85	0.83	0.80	0.76	0.73	0.70	0.67
M10	0.48	ALL OTHER BARGES (NON-DREDGING)	1.13	1.10	1.04	1.00	0.99	0.97	0.95	0.94	0.93	0.90	0.86	0.85	0.83	0.80	0.76	0.73	0.70	0.67
M10	0.51	BOATS & LAUNCHES, 0 THRU 250 HP	1.14	1.11	1.05	1.00	0.99	0.96	0.95	0.94	0.92	0.89	0.85	0.83	0.82	0.78	0.74	0.71	0.67	0.64
M10	0.53	BOATS & LAUNCHES, 251 THRU 500 HP	1.14	1.11	1.05	1.00	0.99	0.96	0.95	0.94	0.92	0.89	0.85	0.84	0.83	0.79	0.75	0.72	0.68	0.65
M10	0.54	TUGS, 501 THRU 1,000 HP	1.13	1.10	1.04	1.00	0.99	0.97	0.95	0.94	0.93	0.90	0.86	0.85	0.83	0.80	0.76	0.73	0.70	0.67
M10	0.55	TUGS, 1,000 THRU 2,000 HP	1.13	1.10	1.04	1.00	0.99	0.97	0.95	0.94	0.93	0.90	0.86	0.85	0.84	0.80	0.76	0.73	0.70	0.67

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 2 TYPE OF EQUIPMENT	Life in Years / Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
			2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
P10	0.00	PILE HAMMER ACCESSORIES - EXTRACTORS & BOX LEADS	1.14	1.00	1.02	1.00	0.98	0.98	0.96	0.94	0.92	0.89	0.86	0.84	0.82	0.79	0.75	0.72	0.68	0.63
P20	0.00	PILE HAMMERS, DOUBLE ACTING																		
P20	0.10	DIESEL	1.13	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.85	0.84	0.81	0.78	0.75	0.71	0.67
P20	0.20	PNUEMATIC (STEAM/AIR)	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.85	0.82	0.79	0.76	0.73	0.69
P25	0.00	PILE HAMMERS, SINGLE ACTING																		
P25	0.10	DIESEL	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.85	0.82	0.79	0.76	0.73	0.69
P25	0.20	PNUEMATIC (STEAM/AIR)	1.11	1.00	1.02	1.00	0.98	0.98	0.97	0.96	0.93	0.91	0.89	0.87	0.85	0.83	0.80	0.78	0.74	0.70
P30	0.00	PILE HAMMERS, DRIVER/ EXTRACTOR, VIBRATORY	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.85	0.82	0.79	0.76	0.73	0.69
P35	0.00	PIPELAYERS	1.09	1.05	1.02	1.00	1.00	0.99	0.98	0.95	0.93	0.91	0.88	0.85	0.81	0.76	0.74	0.72	0.69	0.64
P40	0.00	PLATFORMS & MAN-LIFTS	1.10	1.06	1.03	1.00	0.93	0.95	0.94	0.93	0.91	0.89	0.86	0.84	0.84	0.80	0.75	0.72	0.69	0.63
P45	0.00	PUMPS, GROUT	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.93	0.92	0.89	0.87	0.86	0.83	0.81	0.78	0.75	0.71
P50	0.00	PUMPS, WATER, CENTRIFUGAL, TRASH																		
P50	0.11	ENGINE DRIVE	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.89	0.86	0.85	0.82	0.80	0.77	0.73	0.69
P50	0.12	ELECTRIC DRIVE	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.89	0.86	0.85	0.82	0.80	0.77	0.73	0.69
P50	0.21	WHEEL MOUNTED, ENGINE DRIVE	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.89	0.86	0.85	0.82	0.80	0.77	0.73	0.69
P50	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.89	0.86	0.85	0.82	0.80	0.77	0.73	0.69
P50	0.31	HOSES, PUMP, SUCTION & DISCHARGE	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.94	0.92	0.89	0.87	0.86	0.84	0.81	0.78	0.75	0.71
P55	0.00	PUMPS, WATER, SUBMERSIBLE																		
P55	0.01	ENGINE DRIVE	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.89	0.86	0.85	0.82	0.80	0.77	0.73	0.69
P55	0.02	ELECTRIC DRIVE	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.93	0.92	0.89	0.87	0.86	0.83	0.81	0.78	0.75	0.71
P60	0.00	PUMPS, WATER, CENTRIFUGAL, DEWATERING																		
P60	0.11	SKID MOUNTED, ENGINE DRIVE	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.89	0.86	0.85	0.82	0.80	0.77	0.73	0.69
P60	0.12	SKID MOUNTED, ELECTRIC DRIVE	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.93	0.92	0.89	0.87	0.86	0.83	0.81	0.78	0.75	0.71
P60	0.21	WHEEL MOUNTED, ENGINE DRIVE	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.89	0.86	0.85	0.82	0.80	0.77	0.73	0.69
P60	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.93	0.92	0.89	0.87	0.86	0.83	0.81	0.78	0.75	0.71
P65	0.00	PUMPS, WATER, DIAPHRAGM																		
P65	0.11	SKID MOUNTED, ENGINE DRIVE	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.89	0.86	0.85	0.82	0.80	0.77	0.73	0.69

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 2 TYPE OF EQUIPMENT	Life in Years / Year Purchased New: 0 / 2005	1 / 2004	2 / 2003	3 / 2002	4 / 2001	5 / 2000	6 / 1999	7 / 1998	8 / 1997	9 / 1996	10 / 1995	11 / 1994	12 / 1993	13 / 1992	14 / 1991	15 / 1990	16 / 1989	17 / 1988
P65	0.12	SKID MOUNTED, ELECTRIC DRIVE	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.93	0.92	0.89	0.87	0.86	0.83	0.81	0.78	0.75	0.71
P65	0.21	WHEEL MOUNTED, ENGINE DRIVE	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.89	0.86	0.85	0.82	0.80	0.77	0.73	0.69
P65	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.93	0.92	0.89	0.87	0.86	0.83	0.81	0.78	0.75	0.71
P70	0.00	PUMPS, WATER (For core drills)																		
P70	0.01	ENGINE DRIVE	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.84	0.82	0.79	0.76	0.72	0.68
P70	0.02	ELECTRIC DRIVE	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.84	0.82	0.79	0.76	0.72	0.68
R10	0.00	RIPPERS & HYDRAULIC BANK SLOPERS (Add cost for point wear)	1.10	1.05	1.02	1.00	1.00	0.99	0.98	0.94	0.92	0.91	0.87	0.84	0.80	0.75	0.73	0.70	0.67	0.63
R15	0.00	ROLLERS, STATIC, TOWED, PNEUMATIC	1.10	1.08	1.03	1.00	0.99	0.97	0.98	0.96	0.94	0.93	0.90	0.88	0.82	0.82	0.86	0.86	0.83	0.81
R20	0.00	ROLLERS, STATIC, TOWED, STEEL DRUM	1.10	1.08	1.03	1.00	0.99	0.97	0.98	0.96	0.94	0.93	0.90	0.88	0.82	0.82	0.86	0.86	0.83	0.81
R30	0.00	ROLLERS, STATIC, SELF-PROPELLED																		
R30	0.01	PNEUMATIC	1.10	1.08	1.03	1.00	0.99	0.97	0.98	0.96	0.94	0.93	0.91	0.88	0.83	0.82	0.87	0.86	0.83	0.81
R30	0.02	SMOOTH DRUM	1.10	1.08	1.03	1.00	0.99	0.97	0.98	0.96	0.94	0.93	0.91	0.88	0.83	0.83	0.87	0.86	0.84	0.82
R30	0.03	TAMPING FOOT, LANDFILL & SOIL COMPACTORS	1.10	1.08	1.03	1.00	0.99	0.97	0.98	0.96	0.94	0.93	0.91	0.88	0.83	0.82	0.87	0.86	0.83	0.81
R40	0.00	ROLLERS, VIBRATORY, TOWED	1.10	1.08	1.03	1.00	0.99	0.97	0.98	0.96	0.94	0.92	0.90	0.87	0.82	0.82	0.86	0.85	0.83	0.80
R45	0.00	ROLLERS, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM	1.10	1.08	1.03	1.00	0.99	0.97	0.98	0.96	0.94	0.92	0.90	0.87	0.82	0.82	0.86	0.85	0.83	0.80
R50	0.00	ROLLERS, VIBRATORY, SELF-PROPELLED, SINGLE DRUM	1.11	1.08	1.03	1.00	0.99	0.96	0.98	0.95	0.93	0.92	0.90	0.87	0.81	0.81	0.85	0.85	0.82	0.79
R55	0.00	ROOFING EQUIPMENT	1.11	1.00	1.02	1.00	0.98	0.98	0.97	0.96	0.93	0.91	0.89	0.87	0.85	0.83	0.80	0.78	0.74	0.70
S10	0.00	SCRAPERS, ELEVATING																		
S10	0.01	0 THRU 200 HP	1.09	1.05	1.01	1.00	0.99	0.98	0.96	0.93	0.90	0.89	0.83	0.82	0.79	0.73	0.70	0.68	0.65	0.61
S10	0.02	OVER 200 HP	1.09	1.05	1.01	1.00	0.99	0.98	0.96	0.93	0.90	0.89	0.83	0.81	0.79	0.73	0.70	0.67	0.64	0.60
S15	0.00	SCRAPERS, CONVENTIONAL	1.09	1.05	1.01	1.00	0.99	0.98	0.96	0.93	0.91	0.89	0.84	0.82	0.80	0.74	0.71	0.69	0.66	0.62
S20	0.00	SCRAPERS, TANDEM POWERED	1.09	1.05	1.01	1.00	0.99	0.98	0.96	0.93	0.91	0.89	0.84	0.82	0.80	0.74	0.71	0.69	0.66	0.62
S25	0.00	SCRAPERS, TRACTOR DRAWN	1.09	1.05	1.01	1.00	0.99	0.98	0.96	0.93	0.90	0.89	0.84	0.82	0.79	0.74	0.71	0.68	0.65	0.61
S30	0.00	SCREENING & CRUSHING PLANTS																		
S30	0.10	CONVEYORS	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82	0.79	0.76	0.72
S30	0.20	CRUSHERS - VERTICAL & HORIZONTAL SHAFT IMPACTOR	1.10	1.00	1.01	1.00	0.99	0.98	0.97	0.96	0.94	0.92	0.90	0.88	0.87	0.85	0.82	0.80	0.77	0.73
S30	0.21	CRUSHERS - CONE	1.10	1.00	1.01	1.00	0.99	0.98	0.97	0.96	0.94	0.92	0.90	0.88	0.87	0.85	0.82	0.80	0.77	0.73

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 2 TYPE OF EQUIPMENT	Life in Years / Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
			2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
S30	0.22	CRUSHERS - JAW	1.10	1.00	1.01	1.00	0.99	0.98	0.97	0.96	0.94	0.92	0.90	0.88	0.87	0.85	0.82	0.80	0.77	0.73
S30	0.30	SCREENING PLANT	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82	0.79	0.76	0.72
S35	0.00	SNOW REMOVAL EQUIPMENT	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.89	0.86	0.85	0.82	0.80	0.77	0.73	0.69
S40	0.00	SOIL & ROAD STABILIZERS	1.09	1.05	1.01	1.00	0.99	0.98	0.96	0.93	0.90	0.89	0.83	0.82	0.79	0.73	0.70	0.68	0.65	0.61
S45	0.00	SPLITTERS, ROCK & CONCRETE	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.85	0.82	0.79	0.76	0.73	0.69
T10	0.00	TRACTOR BLADES & ATTACHMENTS	1.09	1.05	1.02	1.00	1.00	0.99	0.98	0.94	0.92	0.91	0.88	0.84	0.81	0.76	0.73	0.71	0.68	0.63
T15	0.00	TRACTORS, CRAWLER (DOZER) (includes blade)																		
T15	0.01	0 THRU 225 HP	1.10	1.06	1.02	1.00	1.00	0.99	0.97	0.94	0.92	0.90	0.87	0.83	0.79	0.74	0.71	0.68	0.65	0.60
T15	0.02	226 HP THRU 425 HP	1.10	1.05	1.02	1.00	1.00	0.99	0.98	0.94	0.92	0.91	0.87	0.84	0.80	0.75	0.73	0.70	0.67	0.63
T15	0.03	OVER 425 HP	1.09	1.05	1.02	1.00	1.00	0.99	0.98	0.95	0.93	0.91	0.88	0.85	0.81	0.77	0.74	0.72	0.69	0.65
T20	0.00	TRACTORS, WHEEL TYPE (DOZER)	1.10	1.07	1.02	1.00	0.99	0.97	0.95	0.92	0.91	0.89	0.89	0.88	0.85	0.83	0.81	0.80	0.78	0.76
T25	0.00	TRACTORS, AGRICULTURAL																		
T25	0.10	CRAWLER	1.10	1.08	1.03	1.00	0.99	0.97	0.95	0.92	0.90	0.89	0.88	0.87	0.84	0.83	0.81	0.79	0.77	0.75
T25	0.20	WHEEL	1.10	1.08	1.03	1.00	0.99	0.97	0.95	0.92	0.90	0.88	0.88	0.87	0.84	0.82	0.81	0.79	0.77	0.75
T30	0.00	TRENCHERS, CHAIN TYPE CUTTER	1.00	1.00	1.00	1.00	0.99	0.97	0.95	0.92	0.88	0.87	0.85	0.83	0.78	0.74	0.73	0.72	0.70	0.69
T35	0.00	TRENCHERS, WHEEL TYPE CUTTER	1.00	1.00	1.00	1.00	0.99	0.97	0.95	0.92	0.88	0.87	0.85	0.83	0.78	0.74	0.73	0.72	0.70	0.69
T40	0.00	TRUCK OPTIONS																		
T40	0.10	CRANES / HOISTS, PERSONNEL & MATERIAL HANDLING	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.89	0.86	0.85	0.82	0.80	0.77	0.73	0.69
T40	0.20	DUMP BODY, REAR	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.81	0.79	0.76	0.72
T40	0.30	FLATBEDS, WITH SIDES	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.89	0.86	0.85	0.82	0.80	0.77	0.73	0.69
T40	0.41	HOIST, ELECTRIC DRIVE	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.89	0.86	0.85	0.82	0.80	0.77	0.73	0.69
T40	0.50	TRANSIT MIXERS	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.93	0.92	0.89	0.87	0.86	0.83	0.81	0.78	0.75	0.71
T40	0.60	WATER TANKS	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.84	0.82	0.79	0.76	0.72	0.68
T40	0.70	ALL OTHER OPTIONS	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.89	0.86	0.85	0.82	0.80	0.77	0.73	0.69
T45	0.00	TRUCK TRAILERS																		
T45	0.10	BOTTOM DUMP	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82	0.79	0.76	0.72
T45	0.20	END DUMP	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82	0.79	0.76	0.72

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 2 TYPE OF EQUIPMENT	Life in Years / Year Purchased New 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
			2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
T45	0.30	PUP TRAILER	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.81	0.79	0.76	0.72
T45	0.41	LOWBOY, RIGID NECK, DROP DECK	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82	0.79	0.76	0.72
T45	0.50	FLATBED TRAILER	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82	0.79	0.76	0.72
T45	0.60	MISCELLANEOUS / UTILITY	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82	0.79	0.76	0.72
T45	0.70	WATER TANKER TRAILER	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.85	0.82	0.79	0.76	0.73	0.68
T45	0.80	DECONTAMINATION FACILITY	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.84	0.82	0.79	0.76	0.72	0.68
T45	0.90	TANK TRAILERS	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.85	0.82	0.79	0.76	0.73	0.68
T50	0.00	TRUCKS, HIGHWAY (Add attachments as required)																		
T50	0.01	0 THRU 10,000 GVW	1.07	1.04	1.01	1.00	0.98	0.97	1.00	0.98	0.98	1.00	1.00	0.97	0.92	0.87	0.83	0.79	0.78	0.74
T50	0.02	OVER 10,000 THRU 30,000 GVW (Chassis only - Add options)	1.07	1.04	1.01	1.00	0.98	0.97	1.00	0.98	0.98	1.00	1.00	0.97	0.92	0.87	0.83	0.80	0.78	0.75
T50	0.03	OVER 30,000 GVW (Chassis only - Add options)	1.07	1.04	1.01	1.00	0.98	0.98	1.00	0.98	0.98	1.00	1.00	0.97	0.93	0.88	0.83	0.80	0.78	0.75
T55	0.00	TRUCKS, OFF-HIGHWAY																		
T55	0.10	RIGID FRAME	1.15	1.07	1.01	1.00	0.98	0.96	0.94	0.93	0.92	0.90	0.86	0.81	0.79	0.78	0.77	0.75	0.71	0.66
T55	0.20	ARTICULATED FRAME	1.16	1.07	1.01	1.00	0.98	0.96	0.94	0.93	0.92	0.89	0.86	0.81	0.78	0.77	0.76	0.74	0.70	0.65
T56	0.00	TRUCKS,OFF-HIGHWAY/PRIME MOVER TRACTORS & WAGONS																		
T56	0.10	PRIME MOVER TRACTORS	1.15	1.07	1.01	1.00	0.98	0.96	0.94	0.93	0.92	0.90	0.86	0.81	0.79	0.78	0.77	0.75	0.71	0.66
T56	0.20	WAGONS, BOTTOM DUMP	1.16	1.07	1.01	1.00	0.98	0.96	0.94	0.93	0.92	0.89	0.86	0.80	0.78	0.77	0.76	0.74	0.70	0.64
T56	0.30	WAGONS, REAR DUMP	1.17	1.08	1.01	1.00	0.98	0.96	0.94	0.93	0.91	0.89	0.85	0.80	0.77	0.76	0.75	0.73	0.69	0.63
T57	0.00	TRUCKS, VACUUM	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.89	0.87	0.85	0.83	0.80	0.77	0.74	0.70
T60	0.00	TRUCKS, WATER, OFF-HIGHWAY	1.17	1.08	1.01	1.00	0.98	0.96	0.94	0.93	0.91	0.89	0.85	0.80	0.77	0.76	0.75	0.73	0.69	0.63
T65	0.00	TUNNEL/MINING EQUIPMENT																		
T65	0.10	DRIFTING & TUNNELING DRILLS	1.15	1.09	1.02	1.00	0.92	0.90	0.88	0.87	0.86	0.84	0.81	0.79	0.77	0.75	0.75	0.72	0.69	0.65
T65	0.20	TUNNEL BORING MACHINES	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82	0.79	0.76	0.72
T65	0.30	PRODUCTION DRILLING RIGS	1.15	1.09	1.02	1.00	0.92	0.90	0.88	0.87	0.85	0.84	0.81	0.79	0.77	0.75	0.74	0.72	0.69	0.65
T65	0.40	ROADHEADERS & CONTINUOUS MINERS	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.81	0.79	0.76	0.72
T65	0.50	ROCK BOLTING EQUIPMENT	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.89	0.87	0.85	0.83	0.80	0.77	0.74	0.70
T65	0.61	LOADING & HAULING EQUIPMENT, DIESEL OR GAS	1.11	1.00	1.02	1.00	0.98	0.98	0.97	0.96	0.93	0.91	0.89	0.87	0.85	0.83	0.80	0.78	0.74	0.70

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 2 TYPE OF EQUIPMENT	Life in Years / Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
			2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
T65	0.62	LOADING & HAULING EQUIPMENT, ELECTRIC	1.11	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.93	0.92	0.89	0.87	0.86	0.83	0.81	0.78	0.75	0.71
T65	0.63	LOADING & HAULING EQUIPMENT, AIR-POWERED	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.85	0.82	0.79	0.76	0.73	0.68
T65	0.70	LOCOMOTIVES	1.11	1.00	1.02	1.00	0.98	0.98	0.97	0.96	0.93	0.91	0.89	0.87	0.85	0.83	0.80	0.78	0.74	0.70
T65	0.90	OTHER TUNNELING EQUIPMENT	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.89	0.87	0.85	0.83	0.80	0.77	0.74	0.70
W10	0.00	WAGONS, BOTTOM DUMP	1.16	1.07	1.01	1.00	0.98	0.96	0.94	0.93	0.92	0.89	0.86	0.81	0.78	0.77	0.76	0.74	0.70	0.64
W15	0.00	WAGONS, REAR DUMP	1.16	1.07	1.01	1.00	0.98	0.96	0.94	0.93	0.92	0.89	0.86	0.81	0.78	0.77	0.76	0.74	0.70	0.64
W25	0.00	WATER & CO2 BLASTERS																		
W25	0.10	LOW PRESSURE, (< 5,000 PSI)	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.84	0.82	0.79	0.76	0.72	0.68
W25	0.20	HIGH PRESSURE, (>= 5,000 PSI)	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.84	0.82	0.79	0.76	0.72	0.68
W25	0.30	STEAM CLEANERS	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.84	0.82	0.79	0.76	0.72	0.68
W25	0.40	CO2 BLASTERS	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.85	0.82	0.79	0.76	0.73	0.69
W25	0.50	WET ABRASIVE BLASTING SYSTEM (TORBO)	1.13	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.92	0.90	0.87	0.85	0.83	0.80	0.77	0.74	0.70	0.65
W30	0.00	WATER TANKS																		
W30	0.10	PORTABLE WITH WHEELS	1.17	1.08	1.01	1.00	0.98	0.96	0.94	0.93	0.91	0.89	0.85	0.80	0.77	0.76	0.75	0.73	0.69	0.63
W30	0.20	SKID MOUNTED	1.17	1.08	1.01	1.00	0.98	0.96	0.94	0.93	0.91	0.89	0.85	0.80	0.77	0.76	0.75	0.73	0.69	0.63
W35	0.00	WELDERS																		
W35	0.10	ENGINE DRIVEN	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.84	0.82	0.79	0.76	0.72	0.68
W35	0.20	ELECTRIC DRIVEN	1.12	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.85	0.82	0.79	0.76	0.73	0.69

STANDBY HOURLY RATE CALCULATION FOR OVERAGE EQUIPMENT

EXAMPLE

Assume the following information for the rate calculation example:

1. The unit of equipment is not listed in table 2-1.

2. The equipment is contractor owned.

3. Data for the unit in question:

   a. Caterpillar front-end wheel loader
   b. Model 966D, 4WD, 4 CY capacity
   c. Serial number indicates year of manufacture = 1987
   d. Actual purchase price in 1987 = $187,255
   e. Horsepower is 200 hp (fuel is Diesel off-road)
   f. Drive tire (DT) size = 23.50 x 25, 16 ply, L-3
      DT cost (2005) = 4 tires x $1,954.00 = $7,816.00
   g. Weight = 44,400 lbs

4. Use the actual cost data as follows:

   a. Purchase price (TEV) = $187,255
   b. Year of manufacture = 1987

5. Hourly rate is computed as follows:

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 INFORMATION AND EXPENSE FACTORS**

ID No.: _____

a. Equipment Specification Data:
   (1) Equipment Description: Caterpillar front-end wheel loader
   (2) Model and Series: Model 966D, 4WD, 4 CY capacity
   (3) Year of Use: 2005
   (4) Year Manufactured: 1987
   (5) Horsepower - Equipment: 200
   (6) Horsepower - Carrier: _____
   (7) Fuel type: - Equipment: gas/diesel off-road/diesel on-road/electric/air D-off
   - Carrier: gas/diesel off-road/diesel on-road/electric/air _____
   (8) Shipping Weight (cwt): 444 cwt
   (9) Tire size and number of tires: (Cost of tires based on year of use – see 1.a.(3) and appendix F)

	No.	Size/Ply	Unit Price	Cost
(a) Front (FT):			$	$
(b) Drive (DT):	4-ANNB5	23.5x25/16 ply	$ 1,954.00	$ 7,816.00
(c) Trailing (TT):			$	$
(d) Total Tire Cost:				$ 7,816.00

USE APPENDIX D TO COMPLETE THE FOLLOWING DATA:

b. Category and Subcategory Number: L40 0.11
c. Hourly Expense Calculation Factors:
   (1) Economic Key (EK): 45
   (2) Condition (C): X Average or Severe or Difficult
   (3) Discount Code (DC): B = 7.5% (0.075) – or – S = 15.0% (0.15) 0.075
   (4) Life in Hours (LIFE): 9,250
   (5) Salvage Value Percentage (SLV): 0.25
   (6) Fuel Factor – Equipment [Electric (E) Gas (G) Diesel (D)]: 0.031
   (7) Fuel Factor – Carrier (E G D): 0.000
   (8) Filters, Oil, and Grease (FOG) Factor (E G D): 0.445
   (9) Tire Wear Factor:
      (a) Front (FT): 0.00
      (b) Drive (DT): 0.54
      (c) Trailing (TT): 0.00
   (10) Repair Cost Factor (RCF): 0.70

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

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2. **EQUIPMENT VALUE**

a. List Price + Accessories: *[at Year of Manufacture]* =$_____

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

($_____ + $_____) x (_____) =-($_____

(2) Subtotal [2.a.] – [2.a.(1)] Subtotal=$_____

(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)] Subtotal=$_____

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

(_____cwt) x ($_____/cwt) =+$_____

c. **TOTAL EQUIPOMENT VALUE (TEV):** **TOTAL[2.]:=$**187,255.00
[(2.a.(4)] + [(2.b)]

(See chapter 3 for used and overage equipment rate adjustments.)

3. **DEPRECIATION PERIOD (N)**

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

(9,250 hr) / (1,450 hr/yr) = 6.38

4. **OWNERSHIP COST**

a. Depreciation

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

(2322) / (2735) = 0.849 (TCI)
(For 1987) (For 2005)

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

[($187,255.00) x [1.0 – (0.250)] – [(0.849) x ($7,816.00)]] / (9,250 hr)

=$ 14.47 /hr

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

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4. **OWNERSHIP COST (Continued)**

b. Facilities Capital Cost of Money (FCCM):

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

[[(6.38 yr) – 1.0] x [1.0 + (0.250)] + 2.0] / [2.0 x (6.38 yr)]

= 0.684 (AVF)

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

($187,255.00) x (0.684) x (0.034) / (1,450 hr/yr)
=$ 3.00 /hr

c. **TOTAL HOURLY OWNERSHIP COST: TOTAL [4.]:** **=$** 17.47 /hr
[4.a.(2)] + [4.b.(2)]

5. **OPERATING COST**

a. Fuel Costs:

(1) Equipment:

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

(0.000) x (0 hp) x ($0.00 / gal) =$ 0.00 /hr

(2) Carrier:

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

(0.000) x (0 hp) x ($0.00 /gal) =$ 0.00 /hr

(3) Total Hourly Fuel Cost: **Total [5.a.]** =$ 0.00 /hr
[(5.a.(1)] + [5.a.(2)]

b. FOG Cost:

(1) Equipment:

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

(0.000) x ($0.00 /hr) x (0.00) =$ 0.00 /hr

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

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5. **OPERATING COST (Continued)**

(2) Carrier:

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

(0.000) x ($0.00/hr) x (0.00) =$ 0.00 /hr

(3) Total Hourly FOG Cost: **Total [5.b.]** =$ 0.00 /hr
[(5.b.(1)] + [5.b.(2)]

c. Alternative Fuel/FOG Cost: **Total [5.c.]** =$ 0.00 /hr

(See chapter 2, paragraph 24.d. for guidance on when to use.)

d. Repair Cost:

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

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

(0) / (0) = 0.000 (EAF)

(See table 3-1 for last year of economic life.)

(2) Repair Factor (RF):

(RCF) x (EAF) x (LAF) = Repair Factor (RF)
[1.c.(10)] [5.d.(1)] [Appendix B]

(0.00) x (0.000) x (0.00) = 0.000 (RF)

(3) Repair Cost:

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

[($0) – [(0.000) x ($0.00)]] x (0.000) / (0)

(4) Total Hourly Repair Cost: **Total [5.d.]** =$ 0.00 /hr

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

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5. **OPERATING COST (Continued)**

e. Tire Wear Cost: (Use current price levels. See Appendix F)

(1) Front Tires (FT):

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

[1.5 x ($0.00)] / [1.8 x (0.00) x (0/hr)]

=$ 0.00 /hr

(2) Drive Tires (DT):

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

[1.5 x ($0.00)] / [1.8 x (0.00) x (0/hr)]

=$ 0.00 /hr

(3) Trailing Tires (TT):

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

[1.5 x ($0.00)] / [1.8 x (0) x (0/hr)]

=$ 0.00 /hr

(4) Total Tire Wear Cost: **Total [5.e.]** =$ 0.00 /hr
[Sum 5.e.(1) through 5.e.(3)]

f. Tire Repair Cost:

(Total Tire Wear Cost) x 0.15 x (LAF)
[5.e.(4)] [Appendix B]

($0.00/hr) x 0.15 x (0.00) **Total [5.f.]** =$ 0.00 /hr

g. **TOTAL HOURLY OPERATING COST:** **TOTAL [5.] =$ 0.00 /hr**
[Sum 5.a. through 5.f.]

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

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6. **HOURLY RATES**

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

(Ownership Cost) + (Operating Cost)

($0.00 /hr) + ($0.00 /hr)

=$ 0.00 /hr

b. Other Work Shifts Hourly Rate:
(Refer to Chapter 3, Adjustments to Rates, for methodology.)

[(Depreciation) + [(FCCM) x (40 hr/wk) / (Work hr/wk)] + (Operating Cost)]
[4.a.(2)] [4.b.(2)] (example: 60 hr/wk) [5.g.]

[($0.00 /hr) + [($0.00 /hr) x (40 hr/wk) / (0 hr/wk)] + ($0.00 /hr)]

=$ 0.00 /hr

c. Standby Hourly Rate:

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

[($14.47 /hr) x 0.50] + ($3.00 /hr)

=$ 10.24 /hr)

See Chapter 3 if rate adjustments are necessary.

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

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CHAPTER 4 METHODOLOGY FOR DREDGING PLANT AND MARINE EQUIPMENT

SECTION I. GENERAL

4.1 Contents

This chapter contains the methodology used to compute ownership and operating rates for dredging plant and permanent floating plant such as floating pile-driving equipment. Dredging plant is marine equipment used for dredging operations for the majority of its life or designed and built for marine/dredging use.

4.2 General

a. The ownership and operating rates provided in table 2-1, category M-10, are based on the methodology in chapter 2 for nondredging equipment. However, the cost data (Acquisition Cost, Horsepower, and Fuel Type) may be used for calculation of dredging plant and marine equipment rates, provided they are calculated in accordance with the methodology provided in this chapter.

b. Table 4-1 shows ownership and operating cost factors for various types of dredging plant. When a type of plant is not listed, the cost is estimated by using the factors listed in this table for a similar type of plant.

c. The methodology for determining operating rates for hopper dredges was omitted from this pamphlet due to the limited number of hopper dredges and the complexity of the methods used to calculate the rates. Further information on hopper dredges can be found in Engineer Regulation (ER) 1110-2-1302, *Engineering and Design, Civil Works Cost Engineering*, and on the Internet at http://www.usace.army.mil/inet/usace-docs/eng-regs/er1110-2-1302/toc.htm. The methodology for calculating ownership cost is in section V of this chapter.

d. For mechanical dredges, the cost of the bucket is typically included in the plant value, therefore, no additional allowance should be made for ownership cost. If the bucket cost is not included in the plant value, the bucket may be treated as a separate unit of equipment.

SECTION II. ANNUAL USE

4.3 Time Available to Dredge

a. The number of months available per calendar year (yr) for dredging shall be based on the work time available to dredge, excluding downtime for major repairs, work in dry dock, bad weather, and environmental restrictions. Figure 4-1 depicts months

available for dredging, including mobilization and demobilization, based on historic data collected by the U.S. Army Corps of Engineers' regional dredge estimating teams. The data in figure 4-1 shall be used for computing the ownership costs unless specified otherwise in the contract documents.

AVAILABLE TIME TO DREDGE BY REGION
(In Months)

Region	Type of Dredging Operation		
	Pipeline	Bucket	Hopper
Atlantic Coast and tributaries	9	10	10
Gulf Coast, Lower Mississippi and Tributaries	10	10	11
Great Lakes, Upper Mississippi and Tributaries	8	8	8
West Coast and Tributaries	9	9	9

Figure 4-1. Months Available by Region

SECTION III. LIFE

4.4 Life

The life for determining ownership and operating costs is defined as follows:

a. The Useful Life is expressed in years in table 4-1. It is the economic life of the equipment and is used to develop ownership rates for various types of dredging plant.

b. The Physical Life is expressed in hours (hrs) in table 4-1. It is the life of the unit based on effective working time and is used to develop operating rates for various types of dredging plant.

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 effective monthly hours worked. Dredging time is defined as effective plus noneffective working time. "Effective working time" is defined as time during the dredging operation when actual production is taking place. "Noneffective working time" is defined as time during the dredging operation

when the dredge is operational but no production is taking place. For complete definition of terms see ER 1110-2-1302*, Engineering and Design*, *Civil Works Cost Engineering.* The total annual hours available can be expressed by formula, as follows:

Available Hours per yr = Months Available/yr x Effective Hours/Month

Where:

- Months Available/yr is found in figure 4-1.
- Effective Hours/Month is the effective working time.

SECTION IV. SALVAGE VALUE

4.6 Salvage Value (SLV)

The salvage value, expressed as a decimal, is shown in table 4-1 for different types of plant.

SECTION V. OWNERSHIP COST

4.7 Ownership Cost

Ownership cost is calculated based on a percent of plant value. Plant value is the acquisition cost plus the cost of any initial capital improvements. The value of initial capital improvements is based on those betterments, which were made within 1 year of purchase. Capital improvements do not include any replacement or repair work. Repairs or replacements are an operating cost and are covered in the repair cost allowance. Capital improvements are considered betterments, where the plant has been improved (*e.g.,* adding radar or upgrade of engines). (Note: Only the cost difference between replacement of existing similar engines and actual cost for upgrading engines should be considered as capital improvement). For capital improvements not made within the first year after the initial acquisition, see section VIII.

a. The ownership cost is determined from the plant value and is the total expense rate based on depreciation and CMR. 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 rate is determined on a yearly basis and distributed over a monthly basis. The monthly rate is calculated based on the available use months by using the following formula:

$$\text{Monthly Ownership Cost} = \frac{\text{Plant Value x (Yearly DEPR Percent} + \text{Yearly CMR Percent)}}{\text{Available Use Months}}$$

Where:

- Plant Value = Acquisition price plus initial capital improvements.
- Yearly DEPR Percent = Ownership percent per year for depreciation.
- Yearly CMR Percent = Ownership percent per year for cost of money rate.
- Available Use Months is from figure 4-1.

4.8 Depreciation Factor

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 the following formula:

$$\text{Yearly DEPR Percent} = (1 - \text{SLV})\ /\text{N}$$

Where:

- N = Useful Life from table 4-1.
- SLV = Salvage Value from table 4-1.

4.9 The Cost of Money Rate (CMR) Factor

The CMR factor is calculated on a yearly basis and is expressed here as an annual percentage factor. The CMR used in the calculation is the rate in effect at the time the work was performed. This formula is expressed as follows:

$$\text{Yearly CMR Percent} = \frac{[(\text{N} - 1)(1 + \text{SLV}) + 2](\text{discounted CMR})}{2\text{N}}$$

Where:

- N = Useful Life from table 4-1.
- SLV = Salvage Value from table 4-1.
- Discounted CMR = Cost of money rate (appendix I) reduced by 25 percent for overhead and profit allowance.

4.10 Other Ownership Elements

Taxes, storage (lay up), and insurance are considered indirect (overhead) costs as defined in ER 1110-2-1302, appendix D. These costs are not included in ownership rates since they vary by geographic area and with individual contractors. These costs are considered as overhead costs and are, therefore, not included here so they will not be duplicated in the overhead in the estimate or submitted proposal.

SECTION VI. OPERATING FACTORS

4.11 Hourly Operating Cost

Operating cost is based on effective working time. Dredging plant operating factors are shown in table 4-1. These factors, which are described in paragraph 4.12, are not intended to replace historical data but shall be used when historical data is limited or nonexistent.

4.12 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 secondary power engine is present, the horsepower is totaled. Fuel consumption factors are prepared on the same basis as in chapter 2. Hourly fuel costs are calculated separately for the primary and secondary engines. The formula used is expressed as follows:

Hourly Fuel Cost = Horsepower x Fuel Cost/Gallon x Engine Fuel Factor

Where:

- Horsepower is the engines rated horsepower.
- Fuel Cost/Gallon is based on values shown in appendix B. See chapter 3 for fuel cost adjustments.
- Fuel Factor - Gas or Diesel Fuel. The fuel factor is listed in table 4-1 for the primary and secondary engines.

4.13 Water, Lube, and Supplies (WLS)

This factor is similar to the filters, oil, and grease (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 <u>does not include</u> an allowance for the oiler normally assigned to the dredge or other piece of dredging plant. The formula is expressed as follows:

Water, Lube, and Supply Cost = WLS factor x Hourly Fuel Cost

Where:

- WLS Factor is obtained from table 4-1.
- Hourly Fuel cost is calculated as shown in paragraph 4-12.

4.14 Repairs (RPR)

This factor includes an allowance for all major and minor repairs and is similar to the maintenance and repair cost factor (RCF) described in chapter 2. The economic adjustment factor (EAF) and the labor adjustment factor (LAF) are required to develop this cost. The formula is expressed as follows:

$$\text{Repair Cost} = \frac{\text{(Total Plant Value x RPR x EAF x LAF)}}{\text{Life in hr}}$$

Where:

- Total Plant Value = Acquisition price plus Initial capital improvements.
- RPR = Repair Factor from table 4-1.
- EAF = Economic Index (present year)/ Economic Index (acquisition year).
- LAF = Labor Adjustment Factor from appendix B.
- Life in hrs = Physical Life from table 4-1.

It should be noted that the repair allowance does not include the following estimated additive items:

a. Excessive dredge wear for parts (*e.g.,* cutter teeth and main suction pumps) is not included due to the wide variety of materials being dredged. The original cost of the bucket and normal wear are typically included in the plant value covered in the plant rate. Excessive 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 repairs. Dry docking costs will be allocated on an average annual basis over the years between such occurrences (in accordance with FAR 31.205-24, *Maintenance and Repair Costs*).

c. There is no predetermined allowance in the dredging 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.

SECTION VII. STANDBY

4.15 Standby Rate

The standby rate is computed by allowing the full ownership cost. In addition to the standby ownership rate, it may be necessary on dredges to include operating costs. Examples of allowable operating cost are as follows: a generator fuel allowance to account for operation of a diesel engine generator for power to operate pumps; navigation lights; minimum crew; *etc*.

a. Standby is a directed delay by the Government and will not be allowed during periods when the plant would have otherwise been in idle status, such as noneffective working time. Since ownership is calculated based on life in years computed monthly, standby should be paid only when additional time has been directed by the Government. Standby is to be paid on a 24-hour basis.

b. Standby for pipeline and accessories shall be based on pumping mud in determining values from table 4-1.

SECTION VIII. NEGOTIATED PROCUREMENT

4.16 Rates

The calculated dredging plant rates based on the methodology presented in this chapter should be used for preparing a reasonable contract estimate. When adequate cost or pricing data is available and submitted by the contractor for negotiated procurement, the rates may be adjusted in accordance with the methodology in this chapter. Cost or pricing data is defined in FAR 15.4*, Contract Pricing*.

4.17 Allowance for Additional Capital Improvements

Allowance for additional capital improvements shall be calculated in accordance with accepted general accounting principles. When adequate cost or pricing data is not available, factors for a similar unit of equipment may be used for determining the ownership rate for overage equipment and plant.

4.18 Overage Plant

When the plant has exceeded the useful life given in table 4-1, it is considered overage. The ownership rate for overage plant should be determined with the same methodology described in section V.

a. When actual cost or pricing data is available to adjust the operating rate, the data must be accurate, complete, and established in accordance with accepted general accounting principles.

b. When actual cost or pricing data is not available, the total hourly operating rate for overage equipment shall be computed on the basis that the equipment is equal to the useful life as shown in table 4-1.

4.19 Dredging Plant Purchased Used

For plant purchased used, the ownership and operating rate must be calculated on an individual case, due to the varying conditions. When actual cost or pricing data is not available, the methodology from this chapter shall be used and values for life and salvage from table 4-1 can be adjusted. Support for adjustments can be obtained by calling the Chief, Cost Engineering Branch, Engineering Division, Walla Walla District, U.S. Army Corps of Engineers (CENWW-ED-C), telephone 509-527-7511 or 509-527-7510.

SECTION IX. RATE CALCULATION EXAMPLE

4.20 Rate Calculation Example

The example shown in figure 4-2 illustrates the use of figure 4-1, table 4-1, and the regional data from appendix B to generate a rate. For illustration purposes, assume that a 24-inch hydraulic dredge (pipeline) was purchased new in 1989 for $3,700,000, including tax and delivery, and there were no initial capital improvements. This example uses 500 hours per month and a discounted CMR of 3.4 percent.

Table 4-1. Dredging Plant Cost Factors

Type of Plant	Useful Life	Physical Life	Salvage Value	Prime Engine Fuel Factor			Secondary Engine Fuel Factor			WLS %		RPR %
	YRS	HR	SLV	HPF	G	D	HPF	G	D	G	D	
Hydraulic Dredges - Pipeline (Cutterhead or Dustpan) (Based on Discharge Diameter) (Non-Truckable)												
8 inch and under	5	10,000	0.05	80	0.083	0.045	70	0.072	0.039	20	22	70
9 inch through 10 inch	6	12,000	0.05	80	0.083	0.045	70	0.072	0.039	20	22	80
11 inch through 12 inch	8	16,000	0.05	80	0.083	0.045	70	0.072	0.039	20	22	90
13 inch through 15 inch	15	40,000	0.05	80	0.083	0.045	70	0.072	0.039	20	22	100
16 inch through 17 inch	20	80,000	0.05	80	0.083	0.045	70	0.072	0.039	20	22	110
18 inch through 20 inch	20	100,000	0.05	80	0.083	0.045	70	0.072	0.039	20	22	120
21 inch through 22 inch	25	120,000	0.10	80	0.083	0.045	70	0.072	0.039	20	22	130
23 inch through 24 inch	25	130,000	0.10	80	0.083	0.045	70	0.072	0.039	20	22	130
25 inch through 29 inch	30	135,000	0.10	80	0.083	0.045	70	0.072	0.039	20	22	130
30 inch or larger	30	135,000	0.10	80	0.083	0.045	70	0.072	0.039	20	22	130
Barge Mounted Booster Pump (For Pipeline Dredges)												
16 inch through 17 inch	20	80,000	0.05	80	0.083	0.045	70	0.072	0.039	22	24	80
18 inch through 20 inch	20	100,000	0.10	80	0.083	0.045	70	0.072	0.039	22	24	90
21 inch through 22 inch	25	120,000	0.10	80	0.083	0.045	70	0.072	0.039	22	24	100
23 inch through 24 inch	25	130,000	0.10	80	0.083	0.045	70	0.072	0.039	22	24	110
25 inch through 29 inch	30	135,000	0.10	80	0.083	0.045	70	0.072	0.039	22	24	120
30 inch or larger	30	135,000	0.10	80	0.083	0.045	70	0.072	0.039	22	24	120

SLV = Salvage Value HPF = Horsepower Factor G = Gas D = Diesel
WLS = Water, Lube and Supplies RPR = Repairs

Table 4-1. Dredging Plant Cost Factors (Continued)

Type of Plant	Useful Life	Physical Life	Salvage Value	Prime Engine Fuel Factor			Secondary Engine Fuel Factor			WLS %		RPR %
	YRS	HR	SLV	HPF	G	D	HPF	G	D	G	D	
Mechanical Dredges (Large)[1]												
Clamshell - under 5 cy	8	18,000	0.05	70	0.072	0.039	60	0.062	0.033	22	24	90
Clamshell - 6 cy to 10 cy	13	26,000	0.05	70	0.072	0.039	60	0.062	0.033	22	24	100
Clamshell - 11 cy to 15 cy	20	40,000	0.05	70	0.072	0.039	60	0.062	0.033	22	24	110
Clamshell - 16 cy to 20 cy	25	75,000	0.05	70	0.072	0.039	60	0.062	0.033	22	24	120
Clamshell - 20 cy and over	30	90,000	0.05	70	0.072	0.039	60	0.062	0.033	22	24	130
All Other Types (Bucket or Dipper)	25	90,000	0.10	70	0.072	0.039	60	0.062	0.033	22	24	120
Barge Mounted Crane with Clamshell Bucket Non - Dredging												
Clamshell - under 6 cy	9	18,000	0.05	55	0.055	0.031	45	0.045	0.025	22	24	85
Clamshell - 6 cy to 10 cy	14	28,000	0.05	55	0.055	0.031	45	0.045	0.025	22	24	95
Clamshell - 11 cy to 15 cy	21	42,000	0.05	55	0.055	0.031	45	0.045	0.025	22	24	105
Barge Mounted Lifting Crane												
25 Ton to 75 Ton, 45' Boom	9	18,000	0.05	40	0.040	0.022	30	0.030	0.017	22	24	80
75 Ton to 125 Ton, 60' Boom	14	28,000	0.05	40	0.040	0.022	30	0.030	0.017	22	24	90
Over 125 Ton, over 60' Boom	21	42,000	0.05	40	0.040	0.022	30	0.030	0.017	22	24	100
Barges (Used with Dredging)												
Fuel or Water	20	90,000	0.05	20	0.021	0.011	20	0.021	0.011	18	20	60
Equipment or Work	20	90,000	0.05	20	0.021	0.011	20	0.021	0.011	18	20	60
Derrick	20	90,000	0.10	20	0.021	0.011	20	0.021	0.011	18	20	70
Anchor	20	90,000	0.05	20	0.021	0.011	20	0.021	0.011	18	20	60
Mooring Barge	20	90,000	0.05	20	0.021	0.011	20	0.021	0.011	18	20	60
Dump Scow	20	90,000	0.05	20	0.021	0.011	20	0.021	0.011	18	20	70

SLV = Salvage Value HPF = Horsepower Factor G = Gas D = Diesel
WLS = Water, Lube and Supplies RPR = Repairs
[1] Sized by the largest bucket used (normally a mud bucket)

Table 4-1. Dredging Plant Cost Factors (Continued)

Type of Plant	Useful Life	Physical Life	Salvage Value	Prime Engine Fuel Factor			Secondary Engine Fuel Factor			WLS %		RPR %
	YRS	HR	SLV	HPF	G	D	HPF	G	D	G	D	
Boats – See Category M10.50												
Tugs and Tenders (Used with Dredging)												
Under 500 hp	8	18,000	0.10	80	0.083	0.045	70	0.072	0.039	32	38	80
501 through 1,000 hp	10	40,000	0.10	80	0.083	0.045	70	0.072	0.039	32	38	90
1,001 through 2,000 hp	15	55,000	0.10	80	0.083	0.045	70	0.072	0.039	32	38	100
2,001 through 3,000 hp	20	100,000	0.10	80	0.083	0.045	70	0.072	0.039	32	38	110
Over 3,000 hp	25	120,000	0.10	80	0.083	0.045	70	0.072	0.039	32	38	120
Pipeline and Accessories (Inland Environment)												
Metal Pipeline (under 20 inch)												
Pumping Mud	2	9,000	0.10	0	0.000	0.000	0	0.000	0.000	0	0	5
Pumping Sand	1	4,500	0.10	0	0.000	0.000	0	0.000	0.000	0	0	5
Pumping Rock (Gravel)	0.3	1,500	0.10	0	0.000	0.000	0	0.000	0.000	0	0	5
Joints	3	12,000	0.10	0	0.000	0.000	0	0.000	0.000	0	0	30
Pontoons/Floats	12	60,000	0.10	0	0.000	0.000	0	0.000	0.000	0	0	5
Metal Pipeline (20 inch and Larger)												
Pumping Mud	3	12,000	0.10	0	0.000	0.000	0	0.000	0.000	0	0	5
Pumping Sand	1.5	6,000	0.10	0	0.000	0.000	0	0.000	0.000	0	0	5
Pumping Rock (Gravel)	0.5	2,000	0.10	0	0.000	0.000	0	0.000	0.000	0	0	5
Joints	3	12,00	0.10	0	0.000	0.000	0	0.000	0.000	0	0	30
Pontoons/Floats	12	60,000	0.10	0	0.000	0.000	0	0.000	0.000	0	0	5

SLV = Salvage Value HPF = Horsepower Factor G = Gas D = Diesel
WLS = Water, Lube and Supplies RPR = Repairs

Table 4-1. Dredging Plant Cost Factors (Continued)

Type of Plant	Useful Life	Physical Life	Salvage Value	Prime Engine Fuel Factor			Secondary Engine Fuel Factor			WLS %		RPR %
	YRS	HR	SLV	HPF	G	D	HPF	G	D	G	D	
Pipeline and Accessories (Ocean Environment)												
Metal Pipeline (All sizes)												
Pumping Mud	2	9,000	0.40	0	0.000	0.000	0	0.000	0.000	0	0	5
Pumping Sand	1	4,500	0.40	0	0.000	0.000	0	0.000	0.000	0	0	5
Pumping Rock (Gravel)	0.3	1,500	0.40	0	0.000	0.000	0	0.000	0.000	0	0	5
Joints	1	4,500	0.40	0	0.000	0.000	0	0.000	0.000	0	0	5
Pontoons/Floats	2	9,000	0.40	0	0.000	0.000	0	0.000	0.000	0	0	5
Metal Pipeline On-Shore												
Pumping Mud	3	12,000	0.10	0	0.000	0.000	0	0.000	0.000	0	0	5
Pumping Sand	1.5	6,000	0.10	0	0.000	0.000	0	0.000	0.000	0	0	5
Pumping Rock (Gravel)	0.5	2,000	0.10	0	0.000	0.000	0	0.000	0.000	0	0	5

Standby Calculation: Standby for pipeline and accessories shall be based on pumping mud.

SLV = Salvage Value HPF = Horsepower Factor G = Gas D = Diesel
WLS = Water, Lube and Supplies RPR = Repairs

1. PERTINENT DATA:

a.	Plant Description	24-inch Hydraulic Cutter Suction Dredge	
b.	Model and Series	Ellicott Series 4900 Super Dragon	
c.	Prime Engine Horsepower	3,730 hp	
d.	Secondary Engine(s) Horsepower		
	EXAMPLE:		
	(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	$3,700,000.00	
	(2) Capital Improvements	$0.00	
	Total Plant Value	$3,700,000.00	
f.	Acquisition Year	1989	
g.	Year of Use	2005	
h.	CMR (Undiscounted)	4.250%	
i.	Use Discounted CMR (4.250%/1.25) =		3.400%
j.	Hours Worked/Mo (Effective Working Time)	500 hr/mo	
k.	Additive Item(s)		

EXAMPLE:

(1)	Excessive Dredge Wear (Gravel)	$8,000.00 /mo
(2)	_____	_____ /mo
(3)	_____	_____ /mo
(4)	_____	_____ /mo
(5)	_____	_____ /mo

Input data, methodology, and notes used in the following sections of this form are or have reference to Engineer Pamphlet (EP) 1110-1-8, Construction Equipment Ownership and Expense Schedule (see chapter 4).

For information on CMR, see paragraph 4-9.
The CMR is located in appendix I.

Figure 4-2. Dredging Plant Ownership and Operating Rate Worksheet

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2.	**APPENDIX B DATA:**			
a.	LAF	1.070		
b.	Fuel Type	Diesel (Off-Road)		
	Fuel Cost per Gallon (gal)	$1.64	/gal	
3.	**APPENDIX E DATA: (EK 105)**			
a.	Economic Index for Acquisition Year	4091	<for 1989>	
b.	Economic Index for Year of Use	6611	<for 2005>	
4.	**TIME AVAILABLE TO DREDGE:** (Refer to paragraph 4-3)			
	Months Available per year	9	mos/yr	
	(Months available per year based on Atlantic Coast and Tributaries Region, figure 4-1)			
5.	**TABLE 4-1 DATA:**			
a.	Useful Life (yrs) for Ownership	25	yrs	
b.	Physical Life (hr) for Repairs	130,000	hrs	
c.	SLV	0.10		
d.	Prime Engine Fuel Factor	0.045		
e.	Secondary Engine Fuel Factor	0.039		
f.	WLS	22% =		= 0.22
g.	RPR	130% =		= 1.30
6.	**YEARLY OWNERSHIP PERCENT:**			
a.	Yearly Depreciation Percent: = (1.0 – SLV) / N			
	(1.0 – 0.10) / 25.00 =			3.60%
b.	Yearly CMR Percent = [(N - 1)(1 + SLV) + 2] x Discounted Money Rate / 2N			
	[(25.00 – 1)(1 + 0.10) + 2] x 3.400% / (2 x 25.00) =			1.93%
c.	Total Yearly Ownership Percent (3.60% + 1.93%)=			5.53%
7.	**OWNERSHIP RATES:**			
a.	Yearly Ownership Cost: = (Total Plant Value x Total Yearly Ownership Percent)			
	($3,700,000.00 x 5.53%) =			$204,610.00 /yr
b.	Monthly Ownership Cost: = (Yearly Ownership Cost/Months Available per Year)			
	($204,610.00 /yr / 9mos/yr) =			$22,734.00 /mo

Figure 4-2. Dredging Plant Ownership and Operating Rate Worksheet (Continued)

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8. OPERATING RATES:

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

(1) Prime Engine Fuel:
(0.045 x 3,730 hp x $1.64 /gal) = $275.27 /hr

(2) Secondary Engine Fuel:
(0.039 x 2,475 hp x $1.64 /gal) = $158.30 /hr

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

(1) Prime Engine WLS:
(0.22 x $275.27) = $60.56 /hr

(2) Secondary Engine WLS:
(0.22 x $158.30) = $34.83 /hr

c. Hourly Repair Cost:

(1) EAF:
= (Economic Index for Year of Use / Economic Index for Acquisition Year)
(6611 <for 2005> / 4091 <for 1989> = 1.616

(2) Hourly Repair Cost:
= (Total Plant Value x RPR x EAF x LAF) / Physical Life in hr
($3,700,000.00 x 1.30 x 1.616 x 1.070) / 130,000 hr = $63.98 /hr

d. Total Hourly Operating Cost: = (Fuel + WLS + Repairs)
($275.27 + $158.30 + $60.56 + $34.83 + $63.98) = $592.94 /hr

e. Monthly Operating Cost: = (Total Hourly Operating Cost x Hours Worked per/Month)
($592.94 /hour x 500 hours/month) = $296,470.00 /mo

9. SUBTOTAL MONTHLY COST = (OWNERSHIP + OPERATING):

($22,734.00 /month + $296,470.00 /month) = $319,204.00 /mo

10. ESTIMATED ADDITIVE ITEMS (Sheet 1, Item k.):

a. Excessive Dredge Water (Gravel) $8,000.00 /mo
b. _____ _____/mo
c. _____ _____/mo
d. _____ _____/mo
e. _____ _____/mo

Figure 4-2. Dredging Plant Ownership and Operating Rate Worksheet (Continued)

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10.	**ESTIMATED ADDITIVE ITEMS (Continued):**	
	f. Subtotal – Estimated Additive Items	$8,000.00 /mo
11.	**TOTAL MONTHLY COST (Items 9 + 10.f.):**	**$327,204.00 /mo**
12.	**STANDBY ALLOWANCE:**	
a.	Yearly Standby Cost: = Yearly Ownership Cost from 7.a.	$204,610.00 /yr
b.	Monthly Standby Cost: = Monthly Ownership Cost from 7.b.	$22,734.00 /mo
c.	Standard Hourly Standby Cost: = (Monthly Standby Cost / 730 hr/mo)	
	($22,734.00 /month /730 hours/month) =	**$31.14 /hr**
An additional generator fuel allowance may be allowed under certain circumstances. This allowance is applicable to dredges only.		
d.	Generator Fuel Allowance: = ((Generator Hp / Total Secondary Hp) x Secondary Fuel Cost) ((200 Hp / 2,475 Hp) x $158.30) =	$12.79 /hr
e.	Total Hourly Standby Allowance: = (Standard Hourly Standby Cost + Generator Fuel Allowance) ($31.14 + $12.79) =	**$43.93 /hr**

Figure 4-2. Dredging Plant Ownership and Operating Rate Worksheet (Continued)

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APPENDIX A REFERENCES

Section I: Required Publications
Section II: Related Publications
Section III: Engineer Federal Acquisition Regulation Reference
Section IV: Government Bookstores

Sample Equipment Rate Worksheet

APPENDIX A

REFERENCES

SECTION I: REQUIRED PUBLICATIONS

Public Law 92-41. *The Renegotiation Act of 1971* [Pub. L. 92-41 (85 Stat. 97)].

Federal Acquisition Regulation 15.400. *Contract Pricing*, Government Printing Office, Washington, DC.

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SECTION III: EFAR REFERENCE

EFARS PART 31
CONTRACT COST PRINCIPLE AND PROCEDURES

EAC 95-6

SUBPART 31.1 -- APPLICABILITY

31.105 Construction and Architect-Engineer Contracts.

(d)(2)(i)(b) In this case, equipment ownership and operating costs shall be determined using the Construction Equipment Ownership and Operating Expense Schedule published by the U.S. Army Corps of Engineers.

31.105-100 Contract Clause.

The contracting officer shall insert the statement at 52.231-5000 in all solicitations and contracts for construction within the United States that are expected to exceed the small purchase threshold.

EFARS Clause - 52.231-5000 Equipment Ownership and Operating Expense Schedule.

As prescribed in 31.105-100, insert the following clause in all solicitations and contracts for construction that are expected to exceed the small purchase threshold.

EQUIPMENT OWNERSHIP AND OPERATING EXPENSE SCHEDULE (MAR 1995) – EFARS.

(a) This clause does not apply to terminations. See 52.249-5000, *Basis for Settlement of Proposals*, and FAR Part 49, *Termination of Contracts*.

(b) 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 *[Insert roman numeral for the appropriate region of the schedule].* Working conditions shall be considered to

SECTION III: EFAR REFERENCE (Continued)

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 retroactive pricing, the schedule in effect at the time the work was performed shall apply.

(c) Equipment rental costs are allowable, subject to the provisions of FAR 31.105, *Construction and Architect-Engineer Contract,* and FAR 31.205-36, *Rental Costs*. Rates for equipment rented from an organization under common control, lease-purchase arrangements, and sale-leaseback arrangements, will be determined using the schedule, except that actual rates will be used for equipment leased from an organization under common control that has an established practice of leasing the same or similar equipment or unaffiliated lessees.

(d) When actual equipment costs are proposed and the total amount of the pricing action exceeds the small purchase threshold, the contracting officer shall request the contractor to submit either certified cost or pricing data, or partial/limited data, as appropriate. The data shall be submitted on Standard Form 1411, Contract Pricing Proposal Cover Sheet.

SECTION IV. GOVERNMENT BOOKSTORES

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When ordering, please 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 No. 12
Media:	CD-ROM

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

1. **EQUIPMENT INFORMATION AND EXPENSE FACTORS**

ID No.: _____

a. Equipment Specification Data:
   (1) Equipment Description: _____
   (2) Model and Series: _____
   (3) Year of Use: _____
   (4) Year Manufactured: _____
   (5) Horsepower - Equipment: _____
   (6) Horsepower - Carrier: _____
   (7) Fuel type: - Equipment: gas/diesel off-road/diesel on-road/electric/air _____
   - Carrier: gas/diesel off-road/diesel on-road/electric/air _____
   (8) Shipping Weight (cwt): _____
   (9) Tire size and number of tires: (Cost of tires based on year of use – see 1.a.(3) and appendix F)

	No.	Size/Ply	Unit Price	Cost
(a) Front (FT):	_____	_____	$_____	$_____
(b) Drive (DT):	_____	_____	$_____	$_____
(c) Trailing (TT):	_____	_____	$_____	$_____
(d) Total Tire Cost:				$_____

USE APPENDIX D TO COMPLETE THE FOLLOWING DATA:

b. Category and Subcategory Number: _____
c. Hourly Expense Calculation Factors:
   (1) Economic Key (EK): _____
   (2) Condition (C): _____ Average or Severe or Difficult
   (3) Discount Code (DC): B = 7.5% (0.075) – or – S = 15.0% (0.15) _____
   (4) Life in Hours (LIFE): _____
   (5) Salvage Value Percentage (SLV): _____
   (6) Fuel Factor – Equipment [Electric (E) Gas (G) Diesel (D)]: _____
   (7) Fuel Factor – Carrier (E G D): _____
   (8) Filters, Oil, and Grease (FOG) Factor (E G D): _____
   (9) Tire Wear Factor:
      (a) Front (FT): _____
      (b) Drive (DT): _____
      (c) Trailing (TT): _____
   (10) Repair Cost Factor (RCF): _____

Page 1 of 6

Equipment Rate Computation Worksheet (copy as needed).

2. **EQUIPMENT VALUE**

a. List Price + Accessories: *[at Year of Manufacture]* =$_____

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

($_____ + $_____) x (_____) =-($_____

(2) Subtotal [2.a.] – [2.a.(1)] Subtotal=$_____

(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)] Subtotal=$_____

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

(_____cwt) x ($_____/cwt) =+$_____

c. **TOTAL EQUIPOMENT VALUE (TEV):** **TOTAL[2.]:=$_____**
[(2.a.(4)] + [(2.b)]

(See chapter 3 for used and overage equipment rate adjustments.)

3. **DEPRECIATION PERIOD (N)**

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

(_____hr) / (_____hr/yr) =_____

4. **OWNERSHIP COST**

a. Depreciation

(1) Tire Cost Index (TCI):
(Tire Index, Yr of Mfg) / (Tire Index, Based on 1.a.(3)) =___Tire Cost Index (TCI)
[Appendix E, EK=100] [Appendix E, EK=100]

(_____) / (_____) =_____(TCI)

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

[($_____) x [1.0 – (_____)] – [(_____) x ($_____)]] / (_____hr)

=$_____/hr

Page 2 of 6

Equipment Rate Computation Worksheet (copy as needed).

4. **OWNERSHIP COST (Continued)**

b. Facilities Capital Cost of Money (FCCM):

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

[[(_____yr) – 1.0] x [1.0 + (_____)] + 2.0] / [2.0 x (_____yr)]

=_____ (AVF)

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

($_____) x (_____) x (_____) / (_____hr/yr)
=$_____ /hr

c. **TOTAL HOURLY OWNERSHIP COST: TOTAL [4.]:** **=$_____** /hr
[4.a.(2)] + [4.b.(2)]

5. **OPERATING COST**

a. Fuel Costs:

(1) Equipment:

(Fuel Factor x (Horsepower (hp)) x (Fuel Cost Per Gallon (gal))
[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 Cost: **Total [5.a.]** =$_____/hr
[(5.a.(1)] + [5.a.(2)]

b. FOG Cost:

(1) Equipment:

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

(_____) x ($_____/hr) x (_____) =$_____/hr

Page 3 of 6

Equipment Rate Computation Worksheet (copy as needed).

5. **OPERATING COST (Continued)**

(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: **Total [5.b.]** =$_____ /hr
[(5.b.(1)] + [5.b.(2)]

c. Alternative Fuel/FOG Cost: **Total [5.c.]** =$_____ /hr

(See chapter 2, paragraph 24.d. for guidance on when to use.)

d. Repair Cost:

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

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

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

(See table 3-1 for last year of economic life.)

(2) Repair Factor (RF):

(RCF) x (EAF) x (LAF) =___Repair Factor (RF)
[1.c.(10)] [5.d.(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.d.(2)] [1.c.(4)]

[($_____) – [(_____) x ($_____)]] x (_____) / (_____)

(4) Total Hourly Repair Cost: **Total [5.d.]** =$_____ /hr

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Equipment Rate Computation Worksheet (copy as needed).

5. **OPERATING COST (Continued)**

e. Tire Wear Cost: (Use current price levels. See Appendix F)

(1) Front Tires (FT):

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

[1.5 x ($_____)] / [1.8 x (_____) x (_____/hr)]

=$_____ /hr

(2) Drive Tires (DT):

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

[1.5 x ($_____)] / [1.8 x (_____) x (_____/hr)]

=$_____ /hr

(3) Trailing Tires (TT):

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

[1.5 x ($_____)] / [1.8 x (_____) x (_____/hr)]

=$_____ /hr

(4) Total Tire Wear Cost: **Total [5.e.]** =$_____ /hr
[Sum 5.e.(1) through 5.e.(3)]

f. Tire Repair Cost:

(Total Tire Wear Cost) x 0.15 x (LAF)
[5.e.(4)] [Appendix B]

($_____/hr) x 0.15 x (_____) **Total [5.f.]** =$_____ /hr

g. **TOTAL HOURLY OPERATING COST:** **TOTAL [5.] =$_____ /hr**
[Sum 5.a. through 5.f.]

Page 5 of 6

Equipment Rate Computation Worksheet (copy as needed).

6. **HOURLY RATES**

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

(Ownership Cost) + (Operating Cost)

($_____/hr) + ($_____/hr)

=$_____ /hr

b. Other Work Shifts Hourly Rate:
(Refer to Chapter 3, Adjustments to Rates, for methodology.)

[(Depreciation) + [(FCCM) x (40 hr/wk) / (Work hr/wk)] + (Operating Cost)]
[4.a.(2)] [4.b.(2)] (example: 60 hr/wk) [5.g.]

[($_____/hr) + [($_____/hr) x (40 hr/wk) / (_____hr/wk)] + ($_____/hr)]

=$_____ /hr

c. 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.

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Equipment Rate Computation Worksheet (copy as needed).

APPENDIX B AREA FACTORS

APPENDIX B

AREA FACTORS

MIDEAST

Region: 2

Total State Sales or Import Tax Rate:	5.45%	
Working Hours Per Year (WHPY):	1,450	hrs/yr
Labor Adjustment Factor (LAF):	1.07	
Electricity Cost Per Kilowatt-Hour:	$0.070	/kW-Hr
Gasoline Cost Per Gallon:	$1.89	/gal
Diesel Cost Per Gallon (Off-Road Use):	$1.64	/gal
Diesel Cost Per Gallon (On-Road Use):	$2.11	/gal
Cost-of-Money Rate (Full Rate):	4.250%	
Cost-of-Money Rate (Adjusted):	3.400%	

Freight Rates

over	0	cwt	thru	240	$2.21
over	240	cwt	thru	300	$2.31
over	300	cwt	thru	400	$2.98
over	400	cwt	thru	500	$3.22
over	500	cwt	thru	700	$3.54
over	700	cwt	thru	800	$2.68
over	800	cwt	thru	99,999	$2.55

APPENDIX B

AREA FACTORS (for all regions)

Below is a listing of all regional area factors for reference only. The area factor's used for this pamphlet are loacted on previous page B-1.

Reg			SST	WHPY	LAF	Elec	Gas	D-Off	D-On	Freight Cost Thru CWT $		Thru CWT $		Thru CWT $		Thru CWT $		Thru CWT $		Thru CWT $		Thru CWT $	
1	NORTHEAST	2005	5.50%	1360	1.19	$0.104	$1.99	$1.75	$2.15	240	$2.08	300	$2.18	400	$2.88	500	$4.39	700	$4.83	800	$3.67	99,999	$3.55
2	MIDEAST	2005	5.45%	1450	1.07	$0.070	$1.89	$1.64	$2.11	240	$2.21	300	$2.31	400	$2.98	500	$3.22	700	$3.54	800	$2.68	99,999	$2.55
3	SOUTHEAST	2005	7.40%	1530	0.82	$0.070	$1.84	$1.45	$1.91	240	$2.45	300	$2.55	400	$3.18	500	$4.02	700	$4.43	800	$3.36	99,999	$3.23
4	NORTHCENTRAL	2005	5.10%	1260	1.08	$0.068	$1.90	$1.57	$2.04	240	$2.08	300	$2.18	400	$2.88	500	$4.45	700	$4.90	800	$3.71	99,999	$3.52
5	MIDWEST	2005	6.60%	1400	1.01	$0.065	$1.82	$1.52	$1.99	240	$2.71	300	$2.81	400	$3.48	500	$3.84	700	$4.22	800	$3.20	99,999	$3.09
6	SOUTHWEST	2005	7.50%	1590	0.87	$0.074	$1.82	$1.45	$1.87	240	$2.08	300	$2.18	400	$2.88	500	$4.80	700	$5.28	800	$4.00	99,999	$3.79
7	WEST	2005	7.80%	1630	1.16	$0.087	$2.04	$1.61	$2.10	240	$2.71	300	$2.81	400	$3.48	500	$6.17	700	$6.73	800	$5.05	99,999	$4.49
8	NORTHWEST	2005	4.80%	1540	1.08	$0.059	$2.00	$1.74	$2.24	240	$2.08	300	$2.18	400	$2.91	500	$6.59	700	$7.16	800	$5.35	99,999	$4.68
9	ALASKA	2005	1.05%	1040	1.22	$0.107	$2.09	$1.69	$2.02	240	$2.09	300	$2.19	400	$2.89	500	$6.90	700	$7.48	800	$5.61	99,999	$4.91
10	HAWAII	2005	4.00%	1480	1.25	$0.163	$2.44	$1.62	$2.25	240	$2.90	300	$3.00	400	$3.70	500	$6.70	700	$7.28	800	$5.47	99,999	$4.81
11	PUERTO RICO	2005	6.60%	1560	0.72	$0.130	$1.87	$1.91	$1.91	240	$2.88	300	$2.98	400	$2.68	500	$6.68	700	$7.26	800	$5.45	99,999	$4.79
12	KWAJALEIN	2005	4.00%	1390	1.13	$0.130	$1.85	$1.62	$1.62	240	$2.78	300	$2.88	400	$3.58	500	$6.58	700	$7.16	800	$5.35	99,999	$4.69

SST = State Sales tax **WHPY = Work Hours Per Year** **LAF = Labor Adjustment Factor** **Elec = Electricty Cost Per kW-Hr**
Gas = Gasoline Cost per Gal **D-Off = Diesel-Off Road Cost per Gal** **D-On = Diesel-On Road Cost per Gal** **CWT = Hundred Pounds**

APPENDIX C GUIDE FOR SELECTING OPERATING CONDITIONS

APPENDIX C GUIDE FOR SELECTING OPERATING CONDITIONS		
EQUIPMENT TYPE	**AVERAGE**	**SEVERE**
B25 and B35: Buckets Clamshell or Dragline Depreciation Period:	Working in gravels, silts, and sands at low impact freshwater environment. 8,000 - 10,000 hours	Working in rock, hard digging, high impact, or saltwater environment. 6,500 - 8,000 hours
C80 and C90: Cranes Hydraulic, Truck Mounted Mechanical, Truck Mounted Depreciation Period:	Lift less than rated capacity, intermittent duty. 14,000 - 20,000 hours	Continuous lift near rated capacity, excessive swing, abrasive materials, sloped surfaces, and saltwater environment. 12,000 - 18,000 hours
C85: Cranes Mechanical Dragline, Lifting, or Clamshell Crawler Mounted Depreciation Period:	Gravels, silts, pull, and lift less than rated capacity. 14,000 - 22,000 hours	Highly abrasive materials, impact breakout, continuous load near rated capacity, and saltwater environment. 12,000 - 18,000 hours
G10: Generators Depreciation Period:	Working below rated capacity, good field conditions. 8,000 - 10,000 hours	Working at or above rated capacity, poor field conditions, such as saltwater. 7,000 - 8,000 hours

APPENDIX C GUIDE FOR SELECTING OPERATING CONDITIONS		
EQUIPMENT TYPE	**AVERAGE**	**SEVERE**
G15: Graders, Motor	Haul road maintenance; road construction, ditching; loose fill spreading; landforming, landleveling; summer road maintenance with medium to heavy winter snow removal; and elevating grader use.	Maintenance of hard-packed roads with embedded rock; heavy fill spreading; ripping scarifying of asphalt or concrete; continuous high load factor; and high impact.
Depreciation Period:	14,500 hours	13,500 hours
H25: Hydraulic Excavators Crawler Mounted	Mass excavation or trenching where machine digs all the time in natural bed clay soils; some traveling and steady, full throttle operation; and most log loading operations.	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; and saltwater environment.
Depreciation Period:	8,500 - 19,000 hours	7,000 – 15,000 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, and working in forests or quarries.
Depreciation Period:	8,000 - 10,000 hours	6,500 - 8,000 hours
H35: Hydraulic Shovels Crawler Mounted (nonelectric)	Continuous loading in well shot rock or fairly tight bank. Good	Continuous loading in poorly shot rock, virgin, or lightly blasted tight

APPENDIX C GUIDE FOR SELECTING OPERATING CONDITIONS		
EQUIPMENT TYPE	**AVERAGE**	**SEVERE**
	underfoot conditions: dry floor, little impact, or sliding on undercarriage.	banks. Adverse underfoot conditions: rough floors, high impact sliding on undercarriage; and saltwater environment.
Depreciation Period:	14,000 - 18,000 hours	12,000 - 16,000 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:	10,000 hours	7,000 hours
L30: Loaders, Belt (conveyors)	Working below rated capacity, with intermittent service.	Working at or above rated capacity with continuous service.
Depreciation Period:	10,000 hours	8,000 hours
L35: Loaders, Front End Crawler Type	Bank excavation, intermittent ripping, basement digging of natural bed clays, sands, silts, and gravels; some traveling; and steady full throttle operations.	Loading shot rock, cobbles, glacial till, and caliche; steel millwork; high density materials in standard bucket; continuous work on rock surfaces; large amount of ripping of tight rock materials; high impact conditions; and saltwater environment.
Depreciation Period:	10,000 hours	8,000 hours
L40: Loaders, Front End Wheel Type	Continuous truck loading from stockpile; low to	Loading shot rock (large loaders); handling high

APPENDIX C GUIDE FOR SELECTING OPERATING CONDITIONS		
EQUIPMENT TYPE	**AVERAGE**	**SEVERE**
(does not include skid steer and tool carriers)	medium density materials in properly sized bucket; hopper charging in low to medium rolling resistance; loading from bank in good digging; and load and carry on poor surfaces and slight adverse grades.	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 and saltwater environment.
Depreciation Period:	9,250 - 13,500 hours	8,750 - 12,000 hours
L45 and L50: Loaders with Backhoe Crawler Type and Wheel Type	Utility applications in medium to heavy soil; occasional use of constant flow implements and dig depths to 3.05 meters (10 feet).	Production applications or digging in rock; regular use of constant flow implements; and dig depths over 3.05 meters (10 feet).
Depreciation Period:	8,000 hours	6,000 hours
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; and saltwater environment.
Depreciation Period:	10,000 hours	8,000 hours
M10 - .31 and .32: Clamshell dredges < 5 cy Amphibious Excavator	Gravel, silts, breakout force at less than capacity, freshwater conditions.	Rock, abrasive materials, load at rated capacity, saltwater conditions.

APPENDIX C GUIDE FOR SELECTING OPERATING CONDITIONS		
EQUIPMENT TYPE	**AVERAGE**	**SEVERE**
Depreciation Period:	10,000 - 20,000 hours	9,000 - 18,000 hours
M10 - .51 and .53: Boats, Skiffs, Crew Boats, Work Boats, Survey Boats, and Launches	Freshwater applications, light waves, and steady to light use.	Saltwater use, medium to high waves, heavy use.
Depreciation Period:	16,000 - 18,000 hours	13,000 - 15,000 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:	14,000 hours	11,500 hours
R10: Rippers and Bank Slopers	Light rock, medium breakout force required.	Hard rock, excessive wear due to high breakout force.
Depreciation Period:	8,000 hours	6,500 hours
S10, S15, S20, and S25: Scrapers Self-Propelled Tractor Drawn Soil Stabilizers	Varying loading and haul road conditions; long and short hauls; adverse and favorable grades; some impact; and typical road-building use on a variety of jobs.	High impact conditions, such as loading ripped rock; overloading, continuous high total resistance conditions; and rough haul roads.
Depreciation Period:	10,000 - 15,000 hours	8,000 - 13,500 hours
T15: Tractors Crawler (Dozer)	Production dozing in clays, sands, gravels, and talus rock. Push-	Heavy rock ripping; tandem ripping; pushloading and dozing

APPENDIX C GUIDE FOR SELECTING OPERATING CONDITIONS		
EQUIPMENT TYPE	**AVERAGE**	**SEVERE**
	loading scrapers, borrow pit ripping, most land clearing and skidding applications. Medium impact conditions. Production landfill work.	in hard rock; work on rock surfaces; continuous high impact conditions; and saltwater environment.
Depreciation Period:	10,000 - 15,000 hours	8,000 - 12,500 hours
T20: Tractors Wheel Type (Dozer)	Production dozing, push loading in clays, sands, silts, loose gravels; and shovel cleanup.	Production dozing in rock; push loading in rocky, boulder strewn borrow pits; high impact conditions; and landfill compactor work.
Depreciation Period:	14,000 hours	13,000 hours
T30: Trenchers Chain and 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:	8,000 hours	6,000 hours
T45 and T50: Truck Trailers Trucks, Highway	Varying loading and road conditions; and typical construction use on a variety of jobs.	Consistently poor road conditions; and oversized loading equipment.
Depreciation Period:	8,000 - 12,000 hours	6,500 - 10,000 hours
T55 and T60: Truck, Off-Highway Trucks, Water, Off-Highway (Articulated	Varying load and haul road conditions; high rolling resistance and poor traction during part	Continuous use on very poorly maintained haul roads, high rolling resistance, and poor

APPENDIX C GUIDE FOR SELECTING OPERATING CONDITIONS		
EQUIPMENT TYPE	**AVERAGE**	**SEVERE**
and Rigid)	of the job; some adverse grades; some impact loads; and typical use in road building, dam construction, open-pit mining, *etc*.	raction; frequent adverse grades and high impact loads; and poorly matched loading equipment with continuous overloading.
Depreciation Period:	12,000 - 20,000 hours	10,000 - 18,000 hours
W10 and W15: Wagons Bottom Dump Rear Dump Chapter 1	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; and 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; and poorly matched loading equipment with continuous overloading.
Depreciation Period:	12,000 hours	10,000 hours

APPENDIX D EQUIPMENT HOURLY EXPENSE CALCULATION FACTOR

APPENDIX D
EQUIPMENT HOURLY CALCULATION FACTORS

CATEGORY	SUB	DESCRIPTION	EK	C	DC	LIFE	SLV	HPF	EQUIPMENT FUEL FACTORS E	G	D	HPF	CARRIER FUEL FACTORS E	G	D	FOG FACTORS E	G	D	TIRE WEAR FACTORS FT	DT	TT	RCF
A10	0.00	AGGREGATE / CHIP SPREADERS	1																			
A10	0.10	SELF-PROPELLED	10	A	B	8,000	0.20	70	.700	.063	.034	0	.000	.000	.000	.000	.254	.254	0.83	0.72	0.92	0.75
A10	0.20	TOWED & TAILGATE	10	A	B	6,000	0.20	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.73	0.00	0.82	0.60
A15	0.00	AIR COMPRESSORS, PORTABLE	1																			
A15	0.10	ROTARY SCREW	5	A	B	10,000	0.20	75	.750	.068	.036	0	.000	.000	.000	.477	.339	.297	0.66	0.00	0.73	0.75
A15	0.20	SHOP TYPE	5	A	B	12,000	0.15	75	.750	.068	.036	0	.000	.000	.000	.477	.339	.297	0.00	0.00	0.00	0.65
A20	0.00	AIR HOSE, TOOLS & EQUIPMENT	1																			
A20	0.10	AIR DRILL HOSE	5	A	B	3,500	0.05	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	1.50
A20	0.20	SANDBLAST HOSE	5	A	B	3,500	0.05	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	1.65
A20	0.30	SANDBLASTERS, BREAKERS, & MISC. AIR TOOLS	5	A	B	6,000	0.10	65	.650	.059	.031	0	.000	.000	.000	.477	.339	.297	0.96	0.84	1.07	1.50
A25	0.00	ASPHALT PAVING DISTRIBUTORS	10	A	B	6,000	0.10	65	.650	.059	.031	0	.000	.000	.000	.000	.339	.297	0.96	0.63	1.07	0.85
A30	0.00	ASPHALT PAVERS & MISCELLANEOUS ROAD EQUIPMENT	1																			
A30	0.10	SELF PROPELLED	10	A	B	8,000	0.15	70	.700	.063	.034	0	.000	.000	.000	.000	.339	.297	1.08	0.72	1.20	1.00
A30	0.20	TOWED	10	A	B	10,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.339	.297	1.08	0.00	1.20	0.80
A30	0.30	SLURRY SEAL PAVERS (Cold mix)	10	A	B	12,000	0.20	60	.600	.054	.029	13	.130	.012	.006	.000	.250	.250	1.08	0.71	1.20	0.55
A30	0.40	MISCELLANEOUS ROAD EQUIPMENT	10	A	B	10,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.339	.297	1.08	0.71	1.20	0.80
A35	0.00	ASPHALT PAVING KETTLES	10	A	B	6,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.339	.297	1.08	0.71	1.20	0.80
A40	0.00	ASPHALT & CONCRETE MILLERS / PROFILERS / PLANERS	10	A	B	6,000	0.20	95	.950	.086	.045	0	.000	.000	.000	.000	.339	.297	1.08	0.71	1.20	1.00
A45	0.00	ASPHALT RECYCLERS & SEALERS	10	A	B	5,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.339	.297	1.08	0.71	1.20	0.90
B10	0.00	BATCH PLANTS, ASPHALT & CONCRETE	1																			
B10	0.10	ASPHALT	10	A	B	8,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.477	.339	.297	1.08	0.72	1.20	1.00
B10	0.20	CONCRETE	10	A	B	8,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.477	.339	.297	1.08	0.71	1.20	1.00
B10	0.30	PUGMILL	10	A	B	10,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.477	.339	.297	1.08	0.71	1.20	1.00
B15	0.00	BROOMS, STREET SWEEPERS & FLUSHERS	95	A	B	8,000	0.10	65	.650	.059	.031	13	.130	.012	.006	.000	.254	.297	0.96	0.63	1.07	0.80
B20	0.00	BRUSH CHIPPERS	95	A	B	8,000	0.10	65	.650	.059	.031	0	.000	.000	.000	.000	.339	.297	0.00	0.00	0.92	0.90
B25	0.00	BUCKETS, CLAMSHELL	15	A	B	8,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.70
B25	0.00	BUCKETS, CLAMSHELL	15	S	B	6,500	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.80

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SLV=Salvage Value
HPF=Horsepower Factor

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D=Diesel Powered

FT=Front Tire
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APPENDIX D
EQUIPMENT HOURLY CALCULATION FACTORS

CATEGORY	SUB	DESCRIPTION	EK	C	DC	LIFE	SLV	HPF	EQUIPMENT FUEL FACTORS E	G	D	HPF	CARRIER FUEL FACTORS E	G	D	FOG FACTORS E	G	D	TIRE WEAR FACTORS FT	DT	TT	RCF
B30	0.00	BUCKETS, CONCRETE	1																			
B30	0.10	GENERAL PURPOSE, MANUAL TRIP	15	A	B	8,000	0.05	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.70
B30	0.20	LAYDOWN	15	A	B	8,000	0.05	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.75
B30	0.30	LOWBOY	15	A	B	8,000	0.05	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.80
B30	0.40	LOW SLUMP	15	A	B	8,000	0.05	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.80
B35	0.00	BUCKETS, DRAGLINE	1																			
B35	0.10	LIGHT WEIGHT	15	A	B	8,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.70
B35	0.10	LIGHT WEIGHT	15	S	B	6,500	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.80
B35	0.20	MEDIUM WEIGHT	15	A	B	9,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.70
B35	0.20	MEDIUM WEIGHT	15	S	B	7,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.80
B35	0.30	HEAVY WEIGHT	15	A	B	10,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.70
B35	0.30	HEAVY WEIGHT	15	S	B	8,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.80
C05	0.00	CHAIN SAWS	95	A	B	2,000	0.10	90	.900	.081	.043	0	.000	.000	.000	.477	.339	.403	0.00	0.00	0.00	2.50
C10	0.00	COMPACTORS, WALK-BEHIND OR REMOTE CONTROLLER	1																			
C10	0.10	COMPACTORS, RAMMERS / TAMPERS & VIBRATORY PLATES	95	A	B	4,000	0.05	90	.900	.081	.043	0	.000	.000	.000	.477	.254	.254	0.00	0.00	0.00	1.20
C10	0.20	ROLLERS, VIBRATORY	95	A	B	4,000	0.15	90	.900	.081	.043	0	.000	.000	.000	.477	.254	.254	0.00	0.00	0.00	1.20
C15	0.00	CONCRETE CLEANERS / BLASTERS	95	A	B	4,000	0.20	70	.700	.063	.034	0	.000	.000	.000	.530	.339	.297	0.00	0.00	0.00	0.90
C20	0.00	CONCRETE BUGGIES	95	A	B	4,000	0.20	70	.700	.063	.034	0	.000	.000	.000	.530	.339	.297	0.96	0.63	1.07	0.70
C25	0.00	CONCRETE FINISHERS/SCREEDS/SPREADERS	1																			
C25	0.10	FINISHERS/TROWELS	95	A	B	5,000	0.20	70	.700	.063	.034	0	.000	.000	.000	.530	.339	.297	0.00	0.00	0.00	0.80
C25	0.20	VIBRATORY SCREED	95	A	B	5,000	0.20	70	.700	.063	.034	0	.000	.000	.000	.530	.339	.297	0.96	0.84	1.07	0.80
C25	0.25	VIBRATORY LASER SCREED	95	A	B	8,000	0.30	65	.000	.059	.031	0	.000	.000	.000	.000	.450	.400	0.96	0.84	1.07	0.60
C25	0.30	MATERIAL/TOPPING SPREADERS	95	A	B	8,000	0.30	65	.000	.059	.031	0	.000	.000	.000	.000	.450	.400	0.96	0.84	1.07	0.60
C30	0.00	CONCRETE GRINDERS	95	A	B	5,000	0.20	70	.700	.063	.034	0	.000	.000	.000	.530	.339	.297	0.00	0.00	0.00	0.90
C35	0.00	CONCRETE GUNITERS / SHOTCRETERS	95	A	B	7,000	0.25	75	.750	.068	.036	0	.000	.000	.000	.477	.339	.297	0.96	0.86	1.07	0.90
C40	0.00	CONCRETE MIXING UNITS	95	A	B	5,000	0.20	70	.700	.063	.034	0	.000	.000	.000	.530	.339	.297	0.00	0.00	0.92	0.80
C45	0.00	CONCRETE PAVING MACHINES	10	A	B	6,000	0.20	75	.750	.068	.036	0	.000	.000	.000	.000	.339	.297	1.08	0.72	1.20	1.00

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APPENDIX D
EQUIPMENT HOURLY CALCULATION FACTORS

CATEGORY	SUB	DESCRIPTION	EK	C	DC	LIFE	SLV	HPF	EQUIPMENT FUEL FACTORS E	G	D	HPF	CARRIER FUEL FACTORS E	G	D	FOG FACTORS E	G	D	TIRE WEAR FACTORS FT	DT	TT	RCF
C55	0.00	CONCRETE PUMPS	95	A	B	8,000	0.10	70	.700	.063	.034	10	.100	.009	.005	.477	.339	.297	0.96	0.86	1.07	1.00
C60	0.00	CONCRETE SAWS (Add cost for sawblade wear)	95	A	B	6,000	0.10	90	.900	.081	.043	0	.000	.000	.000	.477	.339	.403	0.00	0.00	0.00	1.00
C65	0.00	CONCRETE VIBRATORS	5	A	B	4,000	0.10	65	.650	.059	.031	0	.000	.000	.000	.477	.339	.403	0.00	0.00	0.00	2.50
C70	0.00	CRANES, GANTRY & STRADDLE	1																			
C75	0.00	CRANES, HYDRAULIC, SELF-PROPELLED	20	A	B	14,000	0.15	75	.750	.068	.036	0	.000	.000	.000	.000	.339	.318	0.66	0.59	0.73	0.80
C80	0.00	CRANES, HYDRAULIC, TRUCK MOUNTED	1																			
C80	0.01	UNDER 26 TON	20	A	B	14,000	0.15	65	.650	.059	.031	10	.100	.009	.005	.000	.403	.382	0.66	0.58	0.73	0.60
C80	0.01	UNDER 26 TON	20	S	B	12,000	0.15	85	.850	.077	.041	13	.130	.012	.006	.000	.403	.382	0.18	0.14	0.20	0.65
C80	0.02	26 TON THRU 65 TON	20	A	B	16,000	0.15	65	.650	.059	.031	10	.100	.009	.005	.000	.318	.276	0.66	0.58	0.73	0.70
C80	0.02	26 TON THRU 65 TON	20	S	B	14,000	0.15	85	.850	.077	.041	13	.130	.012	.006	.000	.318	.276	0.18	0.14	0.20	0.75
C80	0.03	66 TON THRU 125 TON	20	A	B	18,000	0.15	65	.650	.059	.031	10	.100	.009	.005	.000	.318	.276	0.66	0.58	0.73	0.80
C80	0.03	66 TON THRU 125 TON	20	S	B	16,000	0.15	85	.850	.077	.041	13	.130	.012	.006	.000	.318	.276	0.18	0.14	0.20	0.85
C80	0.04	OVER 125 TON	20	A	B	20,000	0.15	65	.650	.059	.031	10	.100	.009	.005	.000	.318	.276	0.66	0.58	0.73	0.90
C80	0.04	OVER 125 TON	20	S	B	18,000	0.15	85	.850	.077	.041	13	.130	.012	.006	.000	.318	.276	0.18	0.14	0.20	0.95
C85	0.00	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER MOUNTED	1																			
C85	0.11	DRAGLINE, CLAMSHELL, 0 THRU 1.0 CY	20	A	B	14,000	0.20	55	.550	.050	.026	0	.000	.000	.000	.000	.339	.339	0.00	0.00	0.00	0.80
C85	0.11	DRAGLINE, CLAMSHELL, 0 THRU 1.0 CY	20	S	B	12,000	0.20	72	.720	.065	.034	0	.000	.000	.000	.000	.339	.339	0.00	0.00	0.00	0.90
C85	0.12	DRAGLINE, CLAMSHELL, OVER 1.0 CY THRU 2.5 CY	20	A	B	16,000	0.20	55	.550	.050	.026	0	.000	.000	.000	.000	.360	.360	0.00	0.00	0.00	0.85
C85	0.12	DRAGLINE, CLAMSHELL, OVER 1.0 CY THRU 2.5 CY	20	S	B	13,000	0.20	72	.720	.065	.034	0	.000	.000	.000	.000	.360	.360	0.00	0.00	0.00	0.95
C85	0.13	DRAGLINE, CLAMSHELL, OVER 2.5 CY THRU 5.0 CY	20	A	B	18,000	0.20	55	.550	.050	.026	0	.000	.000	.000	.000	.233	.233	0.00	0.00	0.00	0.95
C85	0.13	DRAGLINE, CLAMSHELL, OVER 2.5 CY THRU 5.0 CY	20	S	B	15,000	0.20	72	.720	.065	.034	0	.000	.000	.000	.000	.233	.233	0.00	0.00	0.00	1.05
C85	0.14	DRAGLINE, CLAMSHELL, OVER 5.0 CY	20	A	B	20,000	0.20	55	.550	.050	.026	0	.000	.000	.000	.000	.254	.254	0.00	0.00	0.00	1.05
C85	0.14	DRAGLINE, CLAMSHELL, OVER 5.0 CY	20	S	B	16,000	0.20	72	.720	.065	.034	0	.000	.000	.000	.000	.254	.254	0.00	0.00	0.00	1.15
C85	0.21	LIFTING, 0 THRU 25 TON	20	A	B	16,000	0.20	40	.400	.036	.019	0	.000	.000	.000	.000	.339	.339	0.00	0.00	0.00	0.65
C85	0.21	LIFTING, 0 THRU 25 TON	20	S	B	13,000	0.20	52	.520	.047	.025	0	.000	.000	.000	.000	.339	.339	0.00	0.00	0.00	0.70
C85	0.22	LIFTING, 26 TON THRU 50 TON	20	A	B	18,000	0.20	40	.400	.036	.019	0	.000	.000	.000	.000	.212	.212	0.00	0.00	0.00	0.75
C85	0.22	LIFTING, 26 TON THRU 50 TON	20	S	B	15,000	0.20	52	.520	.047	.025	0	.000	.000	.000	.000	.212	.212	0.00	0.00	0.00	0.80

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APPENDIX D
EQUIPMENT HOURLY CALCULATION FACTORS

CATEGORY	SUB	DESCRIPTION	EK	C	DC	LIFE	SLV	HPF	EQUIPMENT FUEL FACTORS E	G	D	HPF	CARRIER FUEL FACTORS E	G	D	FOG FACTORS E	G	D	TIRE WEAR FACTORS FT	DT	TT	RCF
C85	0.23	LIFTING, 51 TON THRU 150 TON	20	A	B	20,000	0.15	40	.400	.036	.019	0	.000	.000	.000	.000	.233	.233	0.00	0.00	0.00	0.85
C85	0.23	LIFTING, 51 TON THRU 150 TON	20	S	B	16,000	0.15	52	.520	.047	.025	0	.000	.000	.000	.000	.233	.233	0.00	0.00	0.00	0.90
C85	0.24	LIFTING, OVER 150 TON	20	A	B	22,000	0.15	40	.400	.036	.019	0	.000	.000	.000	.000	.254	.254	0.00	0.00	0.00	0.95
C85	0.24	LIFTING, OVER 150 TON	20	S	B	18,000	0.15	52	.520	.047	.025	0	.000	.000	.000	.000	.254	.254	0.00	0.00	0.00	1.00
C90	0.00	CRANES, MECHANICAL, LATTICE BOOM, TRUCK MOUNTED	1																			
C90	0.01	UNDER 26 TON	20	A	B	14,000	0.15	50	.500	.045	.024	10	.100	.009	.005	.000	.403	.382	0.66	0.58	0.73	0.60
C90	0.01	UNDER 26 TON	20	S	B	12,000	0.15	65	.650	.059	.031	13	.130	.012	.006	.000	.403	.382	0.18	0.14	0.20	0.65
C90	0.02	26 TON THRU 65 TON	20	A	B	16,000	0.15	50	.500	.045	.024	10	.100	.009	.005	.000	.318	.276	0.66	0.58	0.73	0.70
C90	0.02	26 TON THRU 65 TON	20	S	B	14,000	0.15	65	.650	.059	.031	13	.130	.012	.006	.000	.318	.276	0.18	0.14	0.20	0.75
C90	0.03	66 TON THRU 125 TON	20	A	B	18,000	0.20	50	.500	.045	.024	10	.100	.009	.005	.000	.318	.276	0.66	0.58	0.73	0.80
C90	0.03	66 TON THRU 125 TON	20	S	B	16,000	0.20	65	.650	.059	.031	13	.130	.012	.006	.000	.318	.276	0.18	0.14	0.20	0.85
C90	0.04	OVER 125 TON	20	A	B	20,000	0.20	50	.500	.045	.024	10	.100	.009	.005	.000	.318	.276	0.66	0.58	0.73	0.90
C90	0.04	OVER 125 TON	20	S	B	18,000	0.20	65	.650	.059	.031	13	.130	.012	.006	.000	.318	.276	0.18	0.14	0.20	0.95
C95	0.00	CRANES, TOWER	20	A	B	18,000	0.20	65	.650	.059	.031	10	.100	.009	.005	.530	.318	.276	0.00	0.00	0.92	0.85
D10	0.00	DRILLS,AIR/HYDRAULIC,CRWLR MTD,0" THRU 6.5" DIA HOLE (Add cost for drill steel and bit wear)	1																			
D10	0.10	AIR TRACK (Add cost for drill steel and bit wear)	25	A	B	14,000	0.25	80	.800	.072	.038	0	.000	.000	.000	.477	.339	.297	0.00	0.00	0.00	1.00
D10	0.20	HYDRAULIC TRACK (Add cost for drill steel and bit wear)	25	A	B	10,000	0.25	80	.800	.072	.038	0	.000	.000	.000	.477	.339	.297	0.00	0.00	0.00	1.00
D15	0.00	DRILLS, HORIZONTAL BORING & GROUND PIERCING (Add cost for drill steel and bit wear)	25	A	B	10,000	0.25	80	.800	.072	.038	0	.000	.000	.000	.477	.339	.297	0.00	0.00	0.00	0.90
D20	0.00	DRILLS, CORE, COLUMN MOUNTED (Add cost for drill steel and bit wear)	25	A	B	8,000	0.25	80	.800	.072	.038	0	.000	.000	.000	.477	.170	.254	0.00	0.00	0.00	0.85
D25	0.00	DRILLS, CORE & DOWELLING (Add cost for drill steel and bit wear)	25	A	B	10,000	0.25	80	.800	.072	.038	0	.000	.000	.000	.477	.170	.254	0.00	0.00	0.92	1.00
D30	0.00	DRILLS, EARTH / AUGER (Add cost for drill steel and cutting edge wear)	25	A	B	10,000	0.25	80	.800	.072	.038	10	.100	.009	.005	.477	.339	.297	0.96	0.86	1.07	1.00
D35	0.00	DRILLS, ROTARY BLASTHOLE (Add cost for drill steel and bit wear)	1																			

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APPENDIX D
EQUIPMENT HOURLY CALCULATION FACTORS

CATEGORY	SUB	DESCRIPTION	EK	C	DC	LIFE	SLV	HPF	EQUIPMENT FUEL FACTORS E	G	D	HPF	CARRIER FUEL FACTORS E	G	D	FOG FACTORS E	G	D	TIRE WEAR FACTORS FT	DT	TT	RCF
D35	0.11	DIESEL, 4.5" THRU 9.875" DIAMETER HOLE (Add cost for drill steel and bit wear)	25	A	B	14,000	0.20	80	.800	.072	.038	10	.100	.009	.005	.005	.403	.403	0.00	0.00	0.00	1.00
D35	0.12	DIESEL, OVER 9.875" DIAMETER (Add cost for drill steel and bit wear)	25	A	B	18,000	0.20	80	.800	.072	.038	10	.100	.009	.005	.011	.339	.339	0.96	0.86	1.07	1.00
D35	0.21	ELECTRIC, 4.5" THRU 9.875" DIAMETER HOLE (Add cost for drill steel and bit wear)	25	A	B	14,000	0.20	70	.700	.063	.034	10	.100	.009	.005	.530	.000	.000	0.00	0.00	0.00	0.55
D35	0.22	ELECTRIC, OVER 9.875" DIAMETER (Add cost for drill steel and bit wear)	25	A	B	18,000	0.20	70	.700	.063	.034	10	.100	.009	.005	.530	.000	.000	0.00	0.00	0.00	0.55
F10	0.00	FORK LIFTS	95	A	B	10,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.477	.254	.254	0.83	0.46	0.92	0.75
G10	0.00	GENERATOR SETS	1																			
G10	0.10	PORTABLE	30	A	B	8,000	0.10	65	.650	.059	.031	0	.000	.000	.000	.000	.254	.254	0.00	0.00	0.73	0.60
G10	0.10	PORTABLE	30	S	B	7,000	0.10	85	.850	.077	.041	0	.000	.000	.000	.000	.254	.254	0.00	0.00	0.20	0.70
G10	0.20	SKID MOUNTED	30	A	B	10,000	0.10	65	.650	.059	.031	0	.000	.000	.000	.000	.254	.254	0.00	0.00	0.00	0.70
G10	0.20	SKID MOUNTED	30	S	B	8,000	0.10	85	.850	.077	.041	0	.000	.000	.000	.000	.254	.254	0.00	0.00	0.00	0.80
G15	0.00	GRADERS, MOTOR	35	A	B	14,500	0.25	60	.600	.054	.029	0	.000	.000	.000	.000	.212	.360	0.83	0.54	0.92	0.75
G15	0.00	GRADERS, MOTOR	35	S	B	13,500	0.25	78	.780	.070	.037	0	.000	.000	.000	.000	.212	.360	0.27	0.16	0.30	0.85
H10	0.00	HAMMERS, HYDRAULIC (Demolition tool) (Add cost for point wear)	95	A	B	6,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.339	.339	0.00	0.00	0.00	1.00
H13	0.00	HAZARDOUS/TOXIC WASTE EQUIPMENT	1																			
H13	0.11	COMPACTORS (Compression force) 0 THRU 50 TONS	95	A	B	10,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.530	.254	.254	1.08	0.86	1.20	0.80
H13	0.12	COMPACTORS (Compression force) OVER 50 TONS	95	A	B	12,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.530	.254	.254	1.08	0.86	1.20	0.90
H13	0.21	FILTER PRESSES, STATIONARY	95	A	B	10,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.530	.254	.254	0.00	0.00	0.00	0.90
H13	0.22	FILTER PRESSES, MOBILE	95	A	B	10,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.530	.254	.254	0.66	0.59	0.73	0.80
H13	0.30	CENTRIFUGES	95	A	B	4,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.530	.000	.000	0.00	0.00	0.00	0.70
H13	0.40	SHREDDERS	95	A	B	10,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.477	.339	.297	1.08	0.86	1.20	0.90
H13	0.51	SOIL TREATMENT PLANT, MOBILE	95	A	B	10,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.477	.339	.297	0.77	0.69	0.86	1.00
H13	0.61	SLUDGE PROCESSING EQUIP, SLUDGE DISPENSERS	95	A	B	10,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.477	.339	.297	0.00	0.00	0.00	1.00
H13	0.71	WASTE HANDLING EQUIPMENT, DRUM HANDLING	95	A	B	4,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.477	.339	.297	0.00	0.00	0.00	1.00

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APPENDIX D
EQUIPMENT HOURLY CALCULATION FACTORS

CATEGORY	SUB	DESCRIPTION	EK	C	DC	LIFE	SLV	HPF	EQUIPMENT FUEL FACTORS E	G	D	HPF	CARRIER FUEL FACTORS E	G	D	FOG FACTORS E	G	D	TIRE WEAR FACTORS FT	DT	TT	RCF
H15	0.00	HEATERS, SPACE	1																			
H20	0.00	HOISTS & AIR WINCHES	95	A	B	9,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.254	.254	0.00	0.00	0.00	0.80
H25	0.00	HYDRAULIC EXCAVATORS, CRAWLER MOUNTED	1																			
H25	0.10	0 LBS THRU 12,500 LBS (COMPACT EXCAVATORS)	65	A	B	8,000	0.25	65	.650	.059	.031	0	.000	.000	.000	.000	.403	.403	0.00	0.00	0.00	0.70
H25	0.10	0 LBS THRU 12,500 LBS (COMPACT EXCAVATORS)	65	S	B	7,000	0.25	85	.850	.077	.041	0	.000	.000	.000	.000	.403	.403	0.00	0.00	0.00	0.80
H25	0.11	OVER 12,500 LBS THRU 40,000 LBS	65	A	B	8,500	0.25	65	.650	.059	.031	0	.000	.000	.000	.000	.403	.403	0.00	0.00	0.00	0.70
H25	0.11	OVER 12,500 LBS THRU 40,000 LBS	65	S	B	7,000	0.25	85	.850	.077	.041	0	.000	.000	.000	.000	.403	.403	0.00	0.00	0.00	0.85
H25	0.12	OVER 40,000 LBS THRU 100,000 LBS	65	A	B	12,000	0.25	65	.600	.059	.031	0	.000	.000	.000	.000	.403	.403	0.00	0.00	0.00	0.80
H25	0.12	OVER 40,000 LBS THRU 100,000 LBS	65	S	B	10,000	0.25	85	.800	.077	.041	0	.000	.000	.000	.000	.403	.403	0.00	0.00	0.00	0.95
H25	0.13	OVER 100,000 LBS THRU 160,000 LBS	65	A	B	16,000	0.25	65	.650	.059	.031	0	.000	.000	.000	.000	.233	.233	0.00	0.00	0.00	1.00
H25	0.13	OVER 100,000 LBS THRU 160,000 LBS	65	S	B	13,500	0.25	85	.850	.077	.041	0	.000	.000	.000	.000	.233	.233	0.00	0.00	0.00	1.10
H25	0.14	OVER 160,000 LBS	65	A	B	19,000	0.25	65	.650	.059	.031	0	.000	.000	.000	.000	.254	.254	0.00	0.00	0.00	1.10
H25	0.14	OVER 160,000 LBS	65	S	B	15,000	0.25	85	.850	.077	.041	0	.000	.000	.000	.000	.254	.254	0.00	0.00	0.00	1.25
H25	0.21	ATTACHMENTS, MOBILE SHEARS	95	A	B	6,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.000	.339	.339	0.00	0.00	0.00	0.90
H25	0.22	ATTACHMENTS, MATERIAL HANDLING	95	A	B	6,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.339	.339	0.00	0.00	0.00	0.80
H25	0.23	ATTACHMENTS, CONCRETE PULVERIZERS	95	A	B	6,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.000	.339	.339	0.00	0.00	0.00	1.00
H25	0.24	ATTACHMENTS, COMPACTORS	95	A	B	6,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.000	.339	.339	0.00	0.00	0.00	1.00
H30	0.00	HYDRAULIC EXCAVATORS, WHEEL MOUNTED	1																			
H30	0.01	0 THRU 1.0 CY	65	A	B	8,000	0.25	60	.600	.054	.029	10	.100	.009	.005	.000	.403	.382	0.83	0.54	0.92	0.50
H30	0.01	0 THRU 1.0 CY	65	S	B	6,500	0.25	78	.780	.070	.037	13	.130	.012	.006	.000	.403	.382	0.25	0.15	0.28	0.55
H30	0.02	OVER 1.0 CY	65	A	B	10,000	0.25	60	.600	.054	.029	10	.100	.009	.005	.000	.403	.382	0.83	0.54	0.92	0.60
H30	0.02	OVER 1.0 CY	65	S	B	8,000	0.25	78	.780	.070	.037	13	.130	.012	.006	.000	.403	.382	0.25	0.15	0.28	0.65
H35	0.00	HYDRAULIC SHOVELS, CRAWLER MOUNTED	1																			
H35	0.11	DIESEL, 0 CY THRU 5.0 CY	65	A	B	14,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.233	.233	0.00	0.00	0.00	1.00
H35	0.11	DIESEL, 0 CY THRU 5.0 CY	65	S	B	12,000	0.20	85	.850	.077	.041	0	.000	.000	.000	.000	.233	.233	0.00	0.00	0.00	1.10
H35	0.12	DIESEL, OVER 5.0 CY	65	A	B	16,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.254	.254	0.00	0.00	0.00	1.20
H35	0.12	DIESEL, OVER 5.0 CY	65	S	B	14,000	0.20	85	.850	.077	.041	0	.000	.000	.000	.000	.254	.254	0.00	0.00	0.00	1.30
H35	0.21	ELECTRIC, OVER 2.5 CY	65	A	B	18,000	0.20	50	.500	.045	.024	0	.000	.000	.000	.265	.000	.000	0.00	0.00	0.00	0.80

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APPENDIX D
EQUIPMENT HOURLY CALCULATION FACTORS

CATEGORY	SUB	DESCRIPTION	EK	C	DC	LIFE	SLV	HPF	EQUIPMENT FUEL FACTORS E	G	D	HPF	CARRIER FUEL FACTORS E	G	D	FOG FACTORS E	G	D	TIRE WEAR FACTORS FT	DT	TT	RCF
H35	0.21	ELECTRIC, OVER 2.5 CY	65	S	B	16,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.265	.000	.000	0.00	0.00	0.00	0.90
L10	0.00	LAND CLEARING EQUIPMENT	70	A	B	10,000	0.20	60	.600	.054	.029	10	.100	.009	.005	.000	.318	.276	0.83	0.54	0.92	0.90
L10	0.00	LAND CLEARING EQUIPMENT	70	S	B	7,000	0.20	78	.780	.070	.037	13	.130	.012	.006	.000	.318	.276	0.25	0.15	0.28	1.00
L15	0.00	LANDSCAPING EQUIPMENT	95	A	B	4,000	0.15	80	.800	.072	.038	13	.130	.012	.006	.477	.254	.254	0.59	0.30	0.66	0.70
L20	0.00	LIGHTING SETS, TRAILER MOUNTED	1																			
L20	0.10	METALLIC VAPOR	95	A	B	8,000	0.20	85	.850	.077	.041	0	.000	.000	.000	.000	.254	.254	0.66	0.58	0.73	1.50
L25	0.00	LINE STRIPING EQUIPMENT	95	A	B	8,000	0.20	85	.850	.077	.041	13	.130	.012	.006	.000	.254	.254	0.66	0.58	0.73	1.20
L30	0.00	LOADERS, BELT (Conveyor belts) & ACCESSORIES	95	A	B	10,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.477	.297	.297	0.66	0.58	0.73	1.00
L30	0.00	LOADERS, BELT (Conveyor belts) & ACCESSORIES	95	S	B	8,000	0.20	85	.850	.077	.041	0	.000	.000	.000	.477	.297	.297	0.21	0.16	0.23	1.10
L35	0.00	LOADERS, FRONT END, CRAWLER TYPE	40	A	B	10,000	0.20	70	.700	.063	.034	0	.000	.000	.000	.000	.339	.403	0.00	0.00	0.00	1.10
L35	0.00	LOADERS, FRONT END, CRAWLER TYPE	40	S	B	8,000	0.20	91	.910	.082	.044	0	.000	.000	.000	.000	.339	.403	0.00	0.00	0.00	1.25
L40	0.00	LOADERS, FRONT END, WHEEL TYPE	1																			
L40	0.11	ARTICULATED, 0 THRU 225 HP	45	A	B	9,250	0.25	65	.650	.059	.031	0	.000	.000	.000	.000	.339	.445	0.83	0.54	0.92	0.70
L40	0.11	ARTICULATED, 0 THRU 225 HP	45	S	B	8,750	0.25	85	.850	.077	.041	0	.000	.000	.000	.000	.339	.445	0.25	0.15	0.28	0.80
L40	0.12	ARTICULATED, OVER 225 HP	45	A	B	13,500	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.339	.318	0.83	0.54	0.92	0.70
L40	0.12	ARTICULATED, OVER 225 HP	45	S	B	12,000	0.20	85	.850	.077	.041	0	.000	.000	.000	.000	.339	.318	0.25	0.15	0.28	0.75
L40	0.20	SKID STEER	45	A	B	8,000	0.20	70	.700	.063	.034	0	.000	.000	.000	.000	.339	.445	0.57	0.29	0.63	0.80
L40	0.21	SKID STEER ATTACHMENTS	45	A	B	4,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.339	.339	0.00	0.00	0.00	1.00
L40	0.31	TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP	45	A	B	10,000	0.25	65	.650	.059	.031	0	.000	.000	.000	.000	.339	.445	0.83	0.54	0.92	0.85
L40	0.31	TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP	45	S	B	9,250	0.25	85	.850	.077	.041	0	.000	.000	.000	.000	.339	.445	0.25	0.15	0.28	0.90
L40	0.32	TOOL CARRIER & TELESCOPIC HANDLERS, OVER 225 HP	45	A	B	12,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.000	.339	.318	0.83	0.54	0.92	0.85
L40	0.32	TOOL CARRIER & TELESCOPIC HANDLERS, OVER 225 HP	45	S	B	10,000	0.15	85	.850	.077	.041	0	.000	.000	.000	.000	.339	.318	0.25	0.15	0.28	0.90
L45	0.00	LOADERS / BACKHOE, CRAWLER TYPE	40	A	B	8,000	0.20	70	.700	.063	.034	0	.000	.000	.000	.000	.339	.403	0.00	0.00	0.00	1.35
L45	0.00	LOADERS / BACKHOE, CRAWLER TYPE	40	S	B	6,000	0.20	91	.910	.082	.044	0	.000	.000	.000	.000	.339	.403	0.00	0.00	0.00	1.40
L50	0.00	LOADERS / BACKHOE, WHEEL TYPE	45	A	B	10,000	0.25	50	.500	.045	.024	0	.000	.000	.000	.000	.339	.339	0.83	0.54	0.92	0.80

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EQUIPMENT HOURLY CALCULATION FACTORS

CATEGORY	SUB	DESCRIPTION	EK	C	DC	LIFE	SLV	HPF	EQUIPMENT FUEL FACTORS E	G	D	HPF	CARRIER FUEL FACTORS E	G	D	FOG FACTORS E	G	D	TIRE WEAR FACTORS FT	DT	TT	RCF
L50	0.00	LOADERS / BACKHOE, WHEEL TYPE	45	S	B	6,000	0.25	70	.700	.063	.034	0	.000	.000	.000	.000	.339	.339	0.25	0.15	0.28	0.85
L55	0.00	LOADER / BACKHOE, ATTACHMENTS	95	A	B	6,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.339	.339	0.00	0.00	0.00	1.00
L60	0.00	LOG SKIDDERS	75	A	B	10,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.000	.254	.297	0.83	0.54	0.92	0.70
L60	0.00	LOG SKIDDERS	75	S	B	8,000	0.15	85	.850	.077	.041	0	.000	.000	.000	.000	.254	.297	0.25	0.15	0.28	0.80
M10	0.00	MARINE EQUIPMENT (NON DREDGING)	1																			
M10	0.11	AQUATIC MAINTENANCE	105	A	B	10,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.477	.339	.297	0.00	0.00	0.00	0.70
M10	0.12	AQUATIC MAINTENANCE ATTACHMENTS	105	A	B	6,000	0.20	80	.800	.072	.038	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.60
M10	0.21	HYDRAULIC CUTTERHEAD DREDGE, 8" OR LESS,TRANSPORTABLE	105	A	B	16,000	0.10	80	.800	.072	.038	0	.000	.000	.000	.477	.339	.297	0.00	0.00	0.00	0.70
M10	0.22	HYDRAULIC CUTTERHEAD DREDGE,8" - 12",TRANSPORTABLE	105	A	B	16,000	0.10	80	.800	.072	.038	0	.000	.000	.000	.477	.339	.297	0.00	0.00	0.00	0.80
M10	0.23	HYDRAULIC AUGERHEAD DREDGE,12" OR LESS,TRANSPORTABLE	105	A	B	16,000	0.10	80	.800	.072	.038	0	.000	.000	.000	.477	.339	.297	0.00	0.00	0.00	0.80
M10	0.24	HYDRAULIC FLOATING PUMPS,12" OR LESS,TRANSPORTABLE	105	A	B	8,000	0.10	80	.800	.072	.038	0	.000	.000	.000	.477	.339	.297	0.00	0.00	0.00	0.70
M10	0.25	HYDRUALIC DREDGE PUMPS,12" OR LESS,TRANSPORTABLE	105	A	B	6,000	0.15	80	.800	.072	.038	0	.000	.000	.000	.477	.339	.297	0.00	0.00	0.00	0.70
M10	0.26	HYDRAULIC DREDGE / PUMP ATTACHMENTS	105	A	B	6,000	0.15	80	.800	.072	.038	0	.000	.000	.000	.477	.339	.297	0.00	0.00	0.00	0.60
M10	0.31	SMALL MECH DREDGES,CLAMSHELL,BARGE-MTD TO 5 CY	20	A	B	18,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.477	.254	.254	0.00	0.00	0.00	1.00
M10	0.31	SMALL MECH DREDGES,CLAMSHELL,BARGE-MTD TO 5 CY	20	S	B	16,000	0.15	85	.850	.077	.041	0	.000	.000	.000	.477	.254	.254	0.00	0.00	0.00	1.05
M10	0.32	SMALL MECH DREDGES, AMPHIBIOUS EXCAVATORS	65	A	B	10,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.477	.403	.403	0.00	0.00	0.00	1.00
M10	0.32	SMALL MECH DREDGES, AMPHIBIOUS EXCAVATORS	65	S	B	9,000	0.15	85	.850	.077	.041	0	.000	.000	.000	.477	.403	.403	0.00	0.00	0.00	1.10
M10	0.33	SMALL MECH DREDGES,HOE-MOUNTED DREDGING ATTACH	105	A	B	20,000	0.15	80	.800	.072	.038	0	.000	.000	.000	.477	.339	.297	0.00	0.00	0.00	0.90
M10	0.41	WORK FLOATS (NON-DREDGING)	105	A	B	6,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.50
M10	0.42	WORK BARGES (SECTIONAL, NON-DREDGING)	105	A	B	30,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.60
M10	0.45	FLAT-DECK OR CARGO BARGE (NON-DREDGING)	105	A	B	90,000	0.05	20	.000	.018	.010	0	.000	.000	.000	.000	.000	.339	0.00	0.00	0.00	0.60

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APPENDIX D
EQUIPMENT HOURLY CALCULATION FACTORS

CATEGORY	SUB	DESCRIPTION	EK	C	DC	LIFE	SLV	HPF	EQUIPMENT FUEL FACTORS E	G	D	HPF	CARRIER FUEL FACTORS E	G	D	FOG FACTORS E	G	D	TIRE WEAR FACTORS FT	DT	TT	RCF
M10	0.46	DUMP SCOW (NON-DREDGING)	105	A	B	90,000	0.05	20	.000	.018	.010	0	.000	.000	.000	.000	.000	.339	0.00	0.00	0.00	0.70
M10	0.47	DRILL BARGE (NON-DREDGING)	105	A	B	30,000	0.05	20	.000	.018	.010	0	.000	.000	.000	.000	.000	.339	0.00	0.00	0.00	0.70
M10	0.48	ALL OTHER BARGES (NON-DREDGING)	105	A	B	30,000	0.05	20	.000	.018	.010	0	.000	.000	.000	.000	.000	.339	0.00	0.00	0.00	0.70
M10	0.51	BOATS & LAUNCHES, 0 THRU 250 HP	105	A	B	16,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.477	.339	.403	0.00	0.00	0.00	0.70
M10	0.51	BOATS & LAUNCHES, 0 THRU 250 HP	105	S	B	13,000	0.15	85	.850	.077	.041	0	.000	.000	.000	.477	.339	.403	0.00	0.00	0.00	0.75
M10	0.53	BOATS & LAUNCHES, 251 THRU 500 HP	105	A	B	18,000	0.10	65	.650	.059	.031	0	.000	.000	.000	.477	.339	.403	0.00	0.00	0.00	0.80
M10	0.53	BOATS & LAUNCHES, 251 THRU 500 HP	105	S	B	15,000	0.10	85	.850	.077	.041	0	.000	.000	.000	.477	.339	.403	0.00	0.00	0.00	0.85
M10	0.54	TUGS, 501 THRU 1,000 HP	105	A	B	40,000	0.10	60	.600	.054	.029	50	.500	.045	.024	.477	.339	.403	0.00	0.00	0.00	0.90
M10	0.55	TUGS, 1,000 THRU 2,000 HP	105	A	B	55,000	0.10	60	.600	.054	.029	50	.500	.045	.024	.477	.339	.403	0.00	0.00	0.00	1.00
P10	0.00	PILE HAMMER ACCESSORIES - EXTRACTORS & BOX LEADS	50	A	B	6,000	0.35	65	.650	.059	.031	0	.000	.000	.000	.477	.339	.339	0.00	0.00	0.00	0.80
P20	0.00	PILE HAMMERS, DOUBLE ACTING	1																			
P20	0.10	DIESEL	50	A	B	6,000	0.25	65	.650	.059	.031	0	.000	.000	.000	.000	.339	.339	0.00	0.00	0.00	1.10
P20	0.20	PNUEMATIC (STEAM/AIR)	50	A	B	6,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.339	.339	0.00	0.00	0.00	1.10
P25	0.00	PILE HAMMERS, SINGLE ACTING	1																			
P25	0.10	DIESEL	50	A	B	6,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.339	.339	0.00	0.00	0.00	1.00
P25	0.20	PNUEMATIC (STEAM/AIR)	50	A	B	6,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.000	.339	.339	0.00	0.00	0.00	1.00
P30	0.00	PILE HAMMERS, DRIVER/ EXTRACTOR, VIBRATORY	50	A	B	6,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.477	.339	.339	0.00	0.00	0.00	1.00
P35	0.00	PIPELAYERS	70	A	B	14,000	0.20	35	.350	.032	.017	0	.000	.000	.000	.000	.000	.424	0.00	0.00	0.00	0.95
P35	0.00	PIPELAYERS	70	S	B	11,500	0.20	46	.460	.041	.022	0	.000	.000	.000	.000	.000	.424	0.00	0.00	0.00	1.10
P40	0.00	PLATFORMS & MAN-LIFTS	20	A	B	8,000	0.10	50	.500	.045	.024	50	.500	.045	.024	.477	.339	.297	0.66	0.33	0.73	0.80
P45	0.00	PUMPS, GROUT	95	A	B	8,000	0.15	95	.950	.086	.045	0	.000	.000	.000	.477	.339	.297	0.66	0.59	0.73	1.00
P50	0.00	PUMPS, WATER, CENTRIFUGAL, TRASH	1																			
P50	0.11	ENGINE DRIVE	95	A	B	8,000	0.20	90	.900	.081	.043	0	.000	.000	.000	.000	.339	.403	0.66	0.00	0.73	0.90
P50	0.12	ELECTRIC DRIVE	95	A	B	8,000	0.20	90	.900	.081	.043	0	.000	.000	.000	.477	.000	.000	0.66	0.00	0.73	0.50
P50	0.21	WHEEL MOUNTED, ENGINE DRIVE	95	A	B	8,000	0.20	90	.900	.081	.043	0	.000	.000	.000	.000	.339	.403	0.66	0.00	0.73	0.90
P50	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	95	A	B	8,000	0.20	90	.900	.081	.043	0	.000	.000	.000	.477	.000	.000	0.66	0.00	0.73	0.50
P50	0.31	HOSES, PUMP, SUCTION & DISCHARGE	95	A	B	4,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	1.50

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APPENDIX D
EQUIPMENT HOURLY CALCULATION FACTORS

CATEGORY	SUB	DESCRIPTION	EK	C	DC	LIFE	SLV	HPF	EQUIPMENT FUEL FACTORS E	G	D	HPF	CARRIER FUEL FACTORS E	G	D	FOG FACTORS E	G	D	TIRE WEAR FACTORS FT	DT	TT	RCF
P55	0.00	PUMPS, WATER, SUBMERSIBLE	1																			
P55	0.01	ENGINE DRIVE	95	A	B	8,000	0.20	90	.900	.081	.043	0	.000	.000	.000	.000	.339	.403	0.00	0.00	0.00	1.00
P55	0.02	ELECTRIC DRIVE	95	A	B	8,000	0.15	90	.900	.081	.043	0	.000	.000	.000	.477	.000	.000	0.00	0.00	0.00	0.60
P60	0.00	PUMPS, WATER, CENTRIFUGAL, DEWATERING	1																			
P60	0.11	SKID MOUNTED, ENGINE DRIVE	95	A	B	8,000	0.20	90	.900	.081	.043	0	.000	.000	.000	.000	.339	.403	0.00	0.00	0.00	0.90
P60	0.12	SKID MOUNTED, ELECTRIC DRIVE	95	A	B	8,000	0.15	90	.900	.081	.043	0	.000	.000	.000	.477	.000	.000	0.00	0.00	0.00	0.50
P60	0.21	WHEEL MOUNTED, ENGINE DRIVE	95	A	B	8,000	0.20	90	.900	.081	.043	0	.000	.000	.000	.000	.339	.403	0.00	0.00	0.73	0.90
P60	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	95	A	B	8,000	0.15	90	.900	.081	.043	0	.000	.000	.000	.477	.000	.000	0.00	0.00	0.73	0.50
P65	0.00	PUMPS, WATER, DIAPHRAGM	1																			
P65	0.11	SKID MOUNTED, ENGINE DRIVE	95	A	B	8,000	0.20	90	.900	.081	.043	0	.000	.000	.000	.000	.339	.403	0.00	0.00	0.00	0.90
P65	0.12	SKID MOUNTED, ELECTRIC DRIVE	95	A	B	8,000	0.15	90	.900	.081	.043	0	.000	.000	.000	.477	.000	.000	0.00	0.00	0.00	0.50
P65	0.21	WHEEL MOUNTED, ENGINE DRIVE	95	A	B	8,000	0.20	90	.900	.081	.043	0	.000	.000	.000	.000	.339	.403	0.00	0.00	0.73	0.80
P65	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	95	A	B	8,000	0.15	90	.900	.081	.043	0	.000	.000	.000	.477	.000	.000	0.00	0.00	0.73	0.40
P70	0.00	PUMPS, WATER (For core drills)	1																			
P70	0.01	ENGINE DRIVE	95	A	B	8,000	0.25	90	.900	.081	.043	0	.000	.000	.000	.000	.339	.403	0.00	0.00	0.00	0.80
P70	0.02	ELECTRIC DRIVE	95	A	B	8,000	0.25	90	.900	.081	.043	0	.000	.000	.000	.477	.000	.000	0.00	0.00	0.00	0.40
R10	0.00	RIPPERS & HYDRAULIC BANK SLOPERS (Add cost for point wear)	70	A	B	8,000	0.20	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.90
R10	0.00	RIPPERS & HYDRAULIC BANK SLOPERS (Add cost for point wear)	70	S	B	6,500	0.20	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	1.00
R15	0.00	ROLLERS, STATIC, TOWED, PNEUMATIC	55	A	B	10,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.254	.254	0.00	0.00	0.92	0.70
R20	0.00	ROLLERS, STATIC, TOWED, STEEL DRUM	55	A	B	10,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.254	.254	0.00	0.00	0.92	0.80
R30	0.00	ROLLERS, STATIC, SELF-PROPELLED	1																			
R30	0.01	PNEUMATIC	55	A	B	8,000	0.15	80	.800	.072	.038	0	.000	.000	.000	.000	.254	.254	0.83	0.54	0.92	0.70
R30	0.02	SMOOTH DRUM	55	A	B	10,000	0.15	80	.800	.072	.038	0	.000	.000	.000	.000	.254	.254	0.00	0.00	0.00	0.80
R30	0.03	TAMPING FOOT, LANDFILL & SOIL COMPACTORS	55	A	B	12,000	0.20	80	.800	.072	.038	0	.000	.000	.000	.000	.254	.254	0.00	0.00	0.00	0.80
R40	0.00	ROLLERS, VIBRATORY, TOWED	55	A	B	8,000	0.20	90	.900	.081	.043	0	.000	.000	.000	.000	.339	.339	0.00	0.00	0.00	0.80
R45	0.00	ROLLERS, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM	55	A	B	8,000	0.20	90	.900	.081	.043	0	.000	.000	.000	.000	.339	.339	0.00	0.00	0.00	1.10

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APPENDIX D
EQUIPMENT HOURLY CALCULATION FACTORS

CATEGORY	SUB	DESCRIPTION	EK	C	DC	LIFE	SLV	HPF	EQUIPMENT FUEL FACTORS E	G	D	HPF	CARRIER FUEL FACTORS E	G	D	FOG FACTORS E	G	D	TIRE WEAR FACTORS FT	DT	TT	RCF
R50	0.00	ROLLERS, VIBRATORY, SELF-PROPELLED, SINGLE DRUM	55	A	B	8,000	0.25	65	.650	.059	.031	0	.000	.000	.000	.000	.339	.339	0.83	0.54	0.92	1.00
R55	0.00	ROOFING EQUIPMENT	95	A	B	6,000	0.15	60	.600	.054	.029	0	.000	.000	.000	.477	.254	.254	0.97	0.87	1.08	0.80
S10	0.00	SCRAPERS, ELEVATING	1																			
S10	0.01	0 THRU 200 HP	60	A	B	10,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.000	.424	0.84	0.55	0.93	0.90
S10	0.01	0 THRU 200 HP	60	S	B	8,000	0.20	85	.850	.077	.041	0	.000	.000	.000	.000	.000	.424	0.23	0.13	0.25	1.00
S10	0.02	OVER 200 HP	60	A	B	13,000	0.25	65	.650	.059	.031	0	.000	.000	.000	.000	.000	.339	0.84	0.55	0.93	0.95
S10	0.02	OVER 200 HP	60	S	B	11,500	0.25	85	.850	.077	.041	0	.000	.000	.000	.000	.000	.339	0.23	0.13	0.25	1.00
S15	0.00	SCRAPERS, CONVENTIONAL	60	A	B	15,000	0.20	60	.600	.054	.029	0	.000	.000	.000	.000	.000	.339	0.84	0.55	0.93	0.80
S15	0.00	SCRAPERS, CONVENTIONAL	60	S	B	12,500	0.20	78	.780	.070	.037	0	.000	.000	.000	.000	.000	.339	0.23	0.13	0.25	0.85
S20	0.00	SCRAPERS, TANDEM POWERED	60	A	B	15,000	0.20	62	.620	.056	.030	62	.620	.056	.030	.000	.000	.276	0.84	0.55	0.93	0.85
S20	0.00	SCRAPERS, TANDEM POWERED	60	S	B	13,500	0.20	81	.810	.073	.039	81	.810	.073	.039	.000	.000	.276	0.23	0.13	0.25	0.90
S25	0.00	SCRAPERS, TRACTOR DRAWN	60	A	B	12,000	0.20	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.84	0.55	0.93	0.70
S25	0.00	SCRAPERS, TRACTOR DRAWN	60	S	B	10,000	0.20	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.23	0.13	0.25	0.75
S30	0.00	SCREENING & CRUSHING PLANTS	1																			
S30	0.10	CONVEYORS	95	A	B	10,000	0.10	65	.650	.059	.031	0	.000	.000	.000	.477	.339	.297	1.08	0.86	1.20	0.70
S30	0.10	CONVEYORS	95	S	B	8,000	0.10	78	.780	.070	.037	0	.000	.000	.000	.577	.407	.356	0.96	0.72	1.07	0.85
S30	0.20	CRUSHERS - VERTICAL & HORIZONTAL SHAFT IMPACTOR	95	A	B	25,000	0.10	65	.650	.059	.031	0	.000	.000	.000	.477	.339	.297	1.08	0.86	1.20	1.00
S30	0.20	CRUSHERS - VERTICAL & HORIZONTAL SHAFT IMPACTOR	95	S	B	15,000	0.10	78	.780	.070	.037	0	.000	.000	.000	.577	.407	.356	0.96	0.72	1.07	1.25
S30	0.21	CRUSHERS - CONE	95	A	B	25,000	0.10	65	.650	.059	.031	0	.000	.000	.000	.477	.339	.297	1.08	0.86	1.20	1.20
S30	0.21	CRUSHERS - CONE	95	S	B	15,000	0.10	78	.780	.070	.037	0	.000	.000	.000	.577	.407	.356	0.96	0.72	1.07	1.60
S30	0.22	CRUSHERS - JAW	95	A	B	25,000	0.10	65	.650	.059	.031	0	.000	.000	.000	.477	.339	.297	1.08	0.86	1.20	0.65
S30	0.22	CRUSHERS - JAW	95	S	B	15,000	0.10	78	.780	.070	.037	0	.000	.000	.000	.577	.407	.356	0.96	0.72	1.07	0.85
S30	0.30	SCREENING PLANT	95	A	B	10,000	0.10	65	.650	.059	.031	0	.000	.000	.000	.477	.339	.297	1.08	0.86	1.20	0.80
S30	0.30	SCREENING PLANT	95	S	B	8,000	0.10	78	.780	.070	.037	0	.000	.000	.000	.577	.407	.356	0.96	0.72	1.07	1.00
S35	0.00	SNOW REMOVAL EQUIPMENT	95	A	B	8,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.000	.297	0.00	0.00	0.00	0.80
S40	0.00	SOIL & ROAD STABILIZERS	60	A	B	10,000	0.20	70	.700	.063	.034	0	.000	.000	.000	.000	.000	.297	0.84	0.55	0.96	0.85

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S40	0.00	SOIL & ROAD STABILIZERS	60	S	B	8,000	0.20	91	.910	.082	.044	0	.000	.000	.000	.000	.000	.297	0.23	0.13	0.25	0.95
S45	0.00	SPLITTERS, ROCK & CONCRETE	95	A	B	6,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.339	.339	0.00	0.00	0.00	1.00
T10	0.00	TRACTOR BLADES & ATTACHMENTS	70	A	B	10,000	0.20	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.96	0.80
T10	0.00	TRACTOR BLADES & ATTACHMENTS	70	S	B	8,000	0.20	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.86	0.90
T15	0.00	TRACTORS, CRAWLER (DOZER) (includes blade)	1																			
T15	0.01	0 THRU 225 HP	70	A	B	10,000	0.30	70	.700	.063	.034	0	.000	.000	.000	.000	.000	.382	0.00	0.00	0.00	1.10
T15	0.01	0 THRU 225 HP	70	S	B	8,000	0.30	91	.910	.082	.044	0	.000	.000	.000	.000	.000	.382	0.00	0.00	0.00	1.25
T15	0.02	226 HP THRU 425 HP	70	A	B	12,500	0.25	70	.700	.063	.034	0	.000	.000	.000	.000	.000	.297	0.00	0.00	0.00	1.20
T15	0.02	226 HP THRU 425 HP	70	S	B	10,500	0.25	91	.910	.082	.044	0	.000	.000	.000	.000	.000	.297	0.00	0.00	0.00	1.25
T15	0.03	OVER 425 HP	70	A	B	15,000	0.20	60	.600	.054	.029	0	.000	.000	.000	.000	.000	.254	0.00	0.00	0.00	1.20
T15	0.03	OVER 425 HP	70	S	B	12,500	0.20	78	.780	.070	.037	0	.000	.000	.000	.000	.000	.254	0.00	0.00	0.00	1.35
T20	0.00	TRACTORS, WHEEL TYPE (DOZER)	75	A	B	14,000	0.15	60	.600	.054	.029	0	.000	.000	.000	.000	.254	.297	0.96	0.63	0.00	0.60
T20	0.00	TRACTORS, WHEEL TYPE (DOZER)	75	S	B	13,000	0.15	78	.780	.070	.037	0	.000	.000	.000	.000	.254	.297	0.25	0.15	0.00	0.65
T25	0.00	TRACTORS, AGRICULTURAL	1																			
T25	0.10	CRAWLER	75	A	B	10,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.000	.254	.297	0.00	0.00	0.00	0.85
T25	0.20	WHEEL	75	A	B	8,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.000	.254	.297	0.96	0.73	0.00	0.70
T30	0.00	TRENCHERS, CHAIN TYPE CUTTER	80	A	B	8,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.297	.297	1.08	0.82	0.00	0.90
T30	0.00	TRENCHERS, CHAIN TYPE CUTTER	80	S	B	6,000	0.20	85	.850	.077	.041	0	.000	.000	.000	.000	.297	.297	0.32	0.22	0.00	1.00
T35	0.00	TRENCHERS, WHEEL TYPE CUTTER	80	A	B	8,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.297	.297	1.08	0.82	0.00	0.90
T35	0.00	TRENCHERS, WHEEL TYPE CUTTER	80	S	B	6,000	0.20	85	.850	.077	.041	0	.000	.000	.000	.000	.297	.297	0.32	0.22	0.00	1.00
T40	0.00	TRUCK OPTIONS	1																			
T40	0.10	CRANES / HOISTS, PERSONNEL & MATERIAL HANDLING	95	A	B	8,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.477	.339	.339	0.00	0.00	0.00	0.80
T40	0.20	DUMP BODY, REAR	95	A	B	8,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.70
T40	0.20	DUMP BODY, REAR	95	S	B	6,500	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.80
T40	0.30	FLATBEDS, WITH SIDES	95	A	B	8,000	0.20	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.60
T40	0.41	HOIST, ELECTRIC DRIVE	95	A	B	8,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.477	.339	.339	0.00	0.00	0.00	0.70
T40	0.50	TRANSIT MIXERS	95	A	B	8,000	0.15	65	.650	.059	.031	35	.350	.032	.017	.477	.339	.339	0.77	0.69	0.86	0.70

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APPENDIX D
EQUIPMENT HOURLY CALCULATION FACTORS

CATEGORY	SUB	DESCRIPTION	EK	C	DC	LIFE	SLV	HPF	EQUIPMENT FUEL FACTORS E	G	D	HPF	CARRIER FUEL FACTORS E	G	D	FOG FACTORS E	G	D	TIRE WEAR FACTORS FT	DT	TT	RCF
T40	0.60	WATER TANKS	95	A	B	8,000	0.25	65	.650	.059	.031	0	.000	.000	.000	.477	.339	.339	0.00	0.00	0.00	0.60
T40	0.70	ALL OTHER OPTIONS	95	A	B	8,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.477	.339	.339	1.08	0.86	1.20	0.70
T45	0.00	TRUCK TRAILERS	1																			
T45	0.10	BOTTOM DUMP	95	A	B	10,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.66	0.00	0.73	0.70
T45	0.10	BOTTOM DUMP	95	S	B	8,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.18	0.00	0.20	0.80
T45	0.20	END DUMP	95	A	B	10,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.66	0.00	0.73	0.65
T45	0.20	END DUMP	95	S	B	8,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.18	0.00	0.20	0.75
T45	0.30	PUP TRAILER	95	A	B	8,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.66	0.00	0.73	0.60
T45	0.41	LOWBOY, RIGID NECK, DROP DECK	95	A	B	10,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.66	0.00	0.73	0.50
T45	0.50	FLATBED TRAILER	95	A	B	10,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.66	0.00	0.73	0.50
T45	0.60	MISCELLANEOUS / UTILITY	95	A	B	10,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.66	0.00	0.73	0.50
T45	0.70	WATER TANKER TRAILER	95	A	B	10,000	0.25	65	.000	.059	.031	0	.000	.000	.000	.000	.297	.254	0.66	0.92	0.73	0.60
T45	0.80	DECONTAMINATION FACILITY	95	A	B	8,000	0.25	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.66	0.00	0.73	0.70
T45	0.90	TANK TRAILERS	95	A	B	10,000	0.25	65	.000	.059	.031	0	.000	.000	.000	.000	.297	.254	0.66	0.00	0.73	0.70
T50	0.00	TRUCKS, HIGHWAY (Add attachments as required)	1																			
T50	0.01	0 THRU 10,000 GVW	85	A	S	8,000	0.20	15	.150	.014	.007	0	.000	.000	.000	.000	.297	.254	0.61	0.56	0.67	0.70
T50	0.01	0 THRU 10,000 GVW	85	S	S	6,500	0.20	20	.200	.018	.010	0	.000	.000	.000	.000	.297	.254	0.20	0.16	0.22	0.75
T50	0.02	OVER 10,000 THRU 30,000 GVW (Chassis only - Add options)	85	A	S	10,000	0.20	35	.350	.032	.017	0	.000	.000	.000	.000	.318	.276	0.72	0.66	0.79	0.65
T50	0.02	OVER 10,000 THRU 30,000 GVW (Chassis only - Add options)	85	S	S	8,000	0.20	46	.460	.041	.022	0	.000	.000	.000	.000	.318	.276	0.20	0.16	0.22	0.70
T50	0.03	OVER 30,000 GVW (Chassis only - Add options)	85	A	S	12,000	0.20	50	.500	.045	.024	0	.000	.000	.000	.000	.339	.297	0.77	0.71	0.86	0.65
T50	0.03	OVER 30,000 GVW (Chassis only - Add options)	85	S	S	10,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.339	.297	0.21	0.18	0.24	0.75
T55	0.00	TRUCKS, OFF-HIGHWAY	1																			
T55	0.10	RIGID FRAME	90	A	B	20,000	0.15	35	.350	.032	.017	0	.000	.000	.000	.000	.000	.360	0.84	0.73	0.93	0.90
T55	0.10	RIGID FRAME	90	S	B	18,000	0.15	45	.450	.041	.022	0	.000	.000	.000	.000	.000	.360	0.23	0.18	0.25	0.95
T55	0.20	ARTICULATED FRAME	90	A	B	13,000	0.15	50	.500	.045	.024	0	.000	.000	.000	.000	.000	.200	0.84	0.73	0.93	0.80
T55	0.20	ARTICULATED FRAME	90	S	B	12,250	0.15	60	.600	.054	.029	0	.000	.000	.000	.000	.000	.200	0.23	0.18	0.25	0.85

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APPENDIX D
EQUIPMENT HOURLY CALCULATION FACTORS

CATEGORY	SUB	DESCRIPTION	EK	C	DC	LIFE	SLV	HPF	EQUIPMENT FUEL FACTORS E	G	D	HPF	CARRIER FUEL FACTORS E	G	D	FOG FACTORS E	G	D	TIRE WEAR FACTORS FT	DT	TT	RCF
T56	0.00	TRUCKS,OFF-HIGHWAY/PRIME MOVER TRACTORS & WAGONS	1																			
T56	0.10	PRIME MOVER TRACTORS	90	A	B	20,000	0.15	40	.400	.036	.019	0	.000	.000	.000	.000	.254	.360	0.84	0.64	0.93	0.90
T56	0.10	PRIME MOVER TRACTORS	90	S	B	18,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.000	.254	.339	0.23	0.16	0.25	0.95
T56	0.20	WAGONS, BOTTOM DUMP	90	A	B	15,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.254	.339	0.84	0.64	0.93	0.65
T56	0.20	WAGONS, BOTTOM DUMP	90	S	B	10,000	0.20	85	.850	.077	.041	0	.000	.000	.000	.000	.254	.339	0.23	0.16	0.25	0.75
T56	0.30	WAGONS, REAR DUMP	90	A	B	12,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.254	.339	0.84	0.65	0.93	0.60
T57	0.00	TRUCKS, VACUUM	95	A	B	10,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.254	.297	0.23	0.17	0.25	0.80
T60	0.00	TRUCKS, WATER, OFF-HIGHWAY	90	A	B	12,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.254	.339	0.90	0.69	1.00	0.70
T60	0.00	TRUCKS, WATER, OFF-HIGHWAY	90	S	B	10,000	0.20	85	.850	.077	.041	0	.000	.000	.000	.000	.254	.339	0.25	0.17	0.28	0.80
T65	0.00	TUNNEL/MINING EQUIPMENT	1																			
T65	0.10	DRIFTING & TUNNELING DRILLS	25	A	B	14,000	0.15	80	.800	.072	.038	0	.000	.000	.000	.530	.339	.297	0.00	0.00	0.00	0.90
T65	0.20	TUNNEL BORING MACHINES	95	A	B	18,000	0.15	70	.700	.063	.034	0	.000	.000	.000	.530	.000	.000	0.00	0.00	0.00	0.70
T65	0.20	TUNNEL BORING MACHINES	95	S	B	16,000	0.15	91	.910	.082	.044	0	.000	.000	.000	.530	.000	.000	0.00	0.00	0.00	0.80
T65	0.30	PRODUCTION DRILLING RIGS	25	A	B	12,000	0.15	80	.800	.072	.038	0	.000	.000	.000	.530	.339	.297	0.00	0.00	0.00	0.90
T65	0.40	ROADHEADERS & CONTINUOUS MINERS	95	A	B	16,000	0.15	70	.700	.063	.034	0	.000	.000	.000	.530	.000	.000	0.00	0.00	0.00	0.90
T65	0.40	ROADHEADERS & CONTINUOUS MINERS	95	S	B	14,000	0.15	91	.910	.082	.044	0	.000	.000	.000	.530	.000	.000	0.00	0.00	0.00	1.00
T65	0.50	ROCK BOLTING EQUIPMENT	95	A	B	10,000	0.20	80	.800	.072	.038	10	.100	.009	.005	.530	.339	.297	0.00	0.00	0.00	0.80
T65	0.61	LOADING & HAULING EQUIPMENT, DIESEL OR GAS	95	A	B	12,000	0.20	70	.700	.063	.034	0	.000	.000	.000	.000	.339	.318	0.00	0.00	0.00	0.75
T65	0.62	LOADING & HAULING EQUIPMENT, ELECTRIC	95	A	B	14,000	0.20	70	.700	.063	.034	0	.000	.000	.000	.477	.254	.254	0.00	0.00	0.00	0.70
T65	0.63	LOADING & HAULING EQUIPMENT, AIR-POWERED	95	A	B	10,000	0.25	70	.700	.063	.034	0	.000	.000	.000	.477	.339	.297	0.00	0.00	0.00	0.65
T65	0.70	LOCOMOTIVES	95	A	B	12,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.477	.339	.297	0.00	0.00	0.00	0.75
T65	0.90	OTHER TUNNELING EQUIPMENT	95	A	B	10,000	0.20	70	.700	.063	.034	13	.130	.012	.006	.477	.339	.318	0.00	0.00	0.00	0.80
W10	0.00	WAGONS, BOTTOM DUMP	90	A	B	12,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.000	.254	.339	0.88	0.67	0.98	0.65
W10	0.00	WAGONS, BOTTOM DUMP	90	S	B	10,000	0.15	85	.850	.077	.041	0	.000	.000	.000	.000	.254	.339	0.25	0.17	0.28	0.75
W15	0.00	WAGONS, REAR DUMP	90	A	B	12,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.000	.254	.339	0.88	0.77	0.98	0.60
W15	0.00	WAGONS, REAR DUMP	90	S	B	10,000	0.15	85	.850	.077	.041	0	.000	.000	.000	.000	.254	.339	0.25	0.19	0.28	0.70
W25	0.00	WATER & CO2 BLASTERS	1																			

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APPENDIX D
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CATEGORY	SUB	DESCRIPTION	EK	C	DC	LIFE	SLV	HPF	EQUIPMENT FUEL FACTORS E	G	D	HPF	CARRIER FUEL FACTORS E	G	D	FOG FACTORS E	G	D	TIRE WEAR FACTORS FT	DT	TT	RCF
W25	0.10	LOW PRESSURE, (< 5,000 PSI)	95	A	B	4,000	0.20	95	.950	.086	.045	0	.000	.000	.000	.424	.254	.297	0.96	0.73	1.07	1.10
W25	0.20	HIGH PRESSURE, (>= 5,000 PSI)	95	A	B	4,000	0.20	95	.950	.086	.045	0	.000	.000	.000	.424	.254	.297	0.96	0.73	1.07	1.20
W25	0.30	STEAM CLEANERS	95	A	B	4,000	0.20	95	.950	.086	.045	0	.000	.000	.000	.424	.254	.297	0.00	0.00	0.73	1.10
W25	0.40	CO2 BLASTERS	95	A	B	6,000	0.20	70	.700	.063	.034	0	.000	.000	.000	.530	.318	.371	0.00	0.00	0.73	1.00
W25	0.50	WET ABRASIVE BLASTING SYSTEM (TORBO)	95	A	B	10,000	0.35	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.73	0.40
W30	0.00	WATER TANKS	1																			
W30	0.10	PORTABLE WITH WHEELS	90	A	B	12,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.254	.297	0.00	0.00	0.73	0.60
W30	0.20	SKID MOUNTED	90	A	B	12,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.254	.297	0.00	0.00	0.00	0.50
W35	0.00	WELDERS	1																			
W35	0.10	ENGINE DRIVEN	95	A	B	8,000	0.25	80	.800	.072	.038	0	.000	.000	.000	.000	.254	.254	0.00	0.00	1.07	0.75
W35	0.20	ELECTRIC DRIVEN	95	A	B	6,000	0.20	30	.300	.027	.014	0	.000	.000	.000	.424	.000	.000	0.00	0.00	0.00	0.50

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APPENDIX E ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT

APPENDIX E
ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT

KEY		Note: Table 2-1 Equipment Rates are based on equipment purchased new in the year 2002																		
		{--Projected---------}																		
(EK)	EQUIPMENT DIVISIONS	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989
5	Air Equipment	2189	2185	2139	2087	2075	2069	2079	2047	2078	2074	2070	2063	2053	2012	2022	2008	1963	1956	1888
10	Asphalt & Concrete Paving Equipment	3963	3956	3872	3755	3763	3769	3766	3717	3638	3589	3490	3390	3323	3248	3189	3092	3106	2967	2867
15	Buckets	8097	8082	7911	7625	7443	7254	6804	6900	6982	6930	6888	6774	6672	6638	6663	6380	5901	5640	5314
20	Cranes, Draglines & Clamshells - Crawler & Truck Mtd	6231	6220	6088	5869	5728	5582	5236	5310	5289	5225	5116	5013	4880	4783	4736	4540	4298	4152	3967
25	Drills	4783	4774	4662	4442	4192	4116	3819	3736	3683	3626	3574	3518	3394	3320	3268	3196	3163	3069	2969
30	Generators	5018	5009	4900	4640	4566	4548	4548	4529	4520	4517	4484	4511	4457	4343	4294	4234	4181	4116	3998
35	Graders, Motor	6664	6652	6511	6320	6117	6049	5979	5952	5853	5682	5544	5466	5186	5088	4946	4655	4509	4359	4219
40	Loaders, Track	6728	6716	6574	6347	6177	6081	6058	6032	5960	5792	5686	5606	5434	5257	5068	4816	4677	4555	4404
45	Loaders, Wheel	6210	6198	6068	5857	5701	5612	5591	5567	5511	5409	5303	5251	5101	4988	4894	4758	4640	4532	4409
50	Pile Driving Equipment	5844	5833	5708	5185	5270	5195	5127	5112	5062	4993	4892	4809	4700	4598	4539	4427	4305	4182	4029
55	Rollers	5888	5877	5752	5646	5406	5285	5225	5130	5204	5092	5001	4950	4851	4719	4484	4460	4668	4630	4507
60	Scrapers & Soil Stabilizers	6664	6652	6511	6320	6117	6049	5979	5952	5853	5682	5544	5466	5186	5088	4946	4655	4509	4359	4219
65	Shovels, Backhoes & Hydraulic Excavators	6231	6220	6088	5869	5728	5582	5236	5310	5289	5225	5116	5013	4880	4783	4736	4540	4298	4152	3967
70	Tractors, Crawlers & Attachments	6728	6716	6574	6347	6177	6081	6058	6032	5960	5792	5686	5606	5434	5257	5068	4816	4677	4555	4404
75	Tractor, Wheel	5631	5621	5501	5400	5170	5055	4997	4906	4833	4695	4624	4540	4527	4484	4342	4270	4186	4123	4018
80	Trenchers	4719	4711	4610	4526	6466	6524	6450	6332	6223	6042	5833	5749	5670	5509	5207	5015	4948	4886	4753
85	Trucks, Highway	4673	4664	4566	4447	4356	4306	4216	4212	4307	4216	4241	4318	4293	4190	4025	3838	3669	3546	3495
90	Trucks & Wagons - Off-Highway	7062	7049	6893	6419	6095	6026	5931	5828	5715	5651	5581	5440	5265	4979	4837	4797	4739	4617	4405
95	All Other Equipment	5844	5833	5708	5185	5270	5195	5127	5112	5062	4993	4892	4809	4700	4598	4539	4427	4305	4182	4029
100	All Tires & Tubes	2802	2796	2735	2614	2487	2430	2401	2373	2371	2400	2431	2475	2559	2517	2525	2524	2506	2470	2480
105	Marine Equipment	6768	6756	6611	6437	6101	5846	5771	5645	5556	5513	5429	5245	5036	4951	4881	4679	4438	4271	4091

EK = Economic Key

APPENDIX E
ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT

KEY		Note: Table 2-1 Equipment Rates are based on equipment purchased new in the year 2002																	
(EK)	EQUIPMENT DIVISIONS	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971
5	Air Equipment	1801	1730	1720	1733	1683	1695	1668	1563	1630	1521	1354	1295	1186	1165	1028	935	920	929
10	Asphalt & Concrete Paving Equipment	2793	2730	2687	2687	2611	2583	2620	2461	2296	2111	1941	1815	1686	1610	1451	1304	1263	1235
15	Buckets	4872	4767	4713	4640	4527	4471	4541	4313	3879	3280	2963	2738	2520	2175	1838	1430	1370	1316
20	Cranes, Draglines & Clamshells - Crawler & Truck Mtd	3688	3595	3485	3395	3339	3282	3213	3009	2782	2512	2301	2138	2010	1843	1522	1305	1260	1212
25	Drills	2807	2792	2786	2832	2803	2836	2810	2602	2265	1993	1858	1699	1638	1559	1373	1249	1184	1160
30	Generators	3773	3575	3514	3510	3400	3314	3236	3160	2817	2390	2301	2128	2053	1839	1456	1316	1293	1243
35	Graders, Motor	4010	3914	3759	3738	3645	3643	3561	3276	2992	2687	2492	2259	2109	1956	1604	1361	1244	1208
40	Loaders, Track	4163	3918	3770	3767	3791	3792	3655	3349	3061	2750	2482	2247	2053	1916	1573	1329	1219	1184
45	Loaders, Wheel	4235	4099	3991	3973	3944	3873	3788	3441	2938	2606	2375	2156	2002	1907	1584	1362	1317	1261
50	Pile Driving Equipment	3845	3745	3668	3626	3570	3519	3439	3208	2894	2562	2329	2135	1989	1852	1523	1307	1257	1218
55	Rollers	4412	4217	4151	4090	3926	3744	3431	3199	2913	2653	2396	2139	1983	1872	1556	1328	1279	1230
60	Scrapers & Soil Stabilizers	4010	3914	3759	3738	3645	3643	3561	3276	2992	2687	2492	2259	2109	1956	1604	1361	1244	1208
65	Shovels, Backhoes & Hydraulic Excavators	3688	3595	3485	3395	3339	3282	3213	3009	2782	2512	2301	2138	2010	1843	1522	1305	1260	1212
70	Tractors, Crawlers & Attachments	4163	3918	3770	3767	3791	3792	3655	3349	3061	2750	2482	2247	2053	1916	1573	1329	1219	1184
75	Tractor, Wheel	3936	3862	3820	3818	3656	3557	3530	3256	2927	2578	2319	2125	1956	1843	1498	1288	1251	1211
80	Trenchers	4679	4600	4586	4488	4431	4360	4097	3618	3153	2772	2580	2300	1894	1633	1527	1384	1316	1284
85	Trucks, Highway	3363	3299	3282	3139	3055	2934	2824	2638	2324	2108	1934	1775	1646	1524	1369	1230	1211	1185
90	Trucks & Wagons - Off-Highway	4094	3915	3840	3822	3786	3744	3662	3363	2964	2588	2364	2196	2081	1965	1568	1315	1293	1245
95	All Other Equipment	3845	3745	3668	3626	3570	3519	3439	3208	2894	2562	2329	2135	1989	1852	1523	1307	1257	1218
100	All Tires & Tubes	2399	2322	2340	2374	2421	2453	2552	2506	2369	2055	1792	1699	1615	1485	1334	1114	NA	NA
105	Marine Equipment	3920	3886	3863	3749	3633	3497	3391	3239	2922	2587	2352	2156	2008	1870	1538	1320	1269	1230

EK = Economic Key

APPENDIX F TIRE DESCRIPTION AND TIRE COST

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
LT TRUCK/RECREATIONAL VEHICLE, RADIAL						
WORKHORSE EXTRA GRIP RADIAL			*(Life = 5000hrs)*			
(ABAA4)		8.00R16.5LT	8.00 x 16.50	8	TL	$119
(ABAA1)		LT235/75R15	9.25 x 15.00	6	TL	$101
(ABAA3)		LT265/75R16	10.40 x 16.00	8	TL	$119
(ABAA2)		31-10.50R15LT	10.50 x 15.00	6	TL	$121
SERVICE TRAILER - MARATHON RADIAL			*(Life = 5000hrs)*			
(ABBF1)		ST175/80R13	7.00 x 13.00	4	TL	$58
(ABBF3)		ST185/80R13	7.30 x 13.00	6	TL	$65
(ABBF8)		ST205/75R15	8.00 x 15.00	6	TL	$81
(ABBF5)		ST205/75R14	8.10 x 14.00	6	TL	$74
(ABBF6)		ST215/75R14	8.40 x 14.00	6	TL	$78
(ABBF9)		ST225/75R15	8.80 x 15.00	6	TL	$88
(ABBF10)		ST225/75R15	8.80 x 15.00	8	TL	$95
LT TRUCK/RECREATIONAL VEHICLE, BIAS						
WORKHORSE RIB			*(Life = 5000hrs)*			
(ACBA1)		700-15LT	8.00 x 15.00	6	TL	$79
(ACBA2)		700-15LT	8.00 x 15.00	8	TL	$102
(ACBA5)		800-16.5LT	8.00 x 16.50	8	TL	$62
(ACBA7)		875-16.5LT	8.80 x 16.50	10	TL	$119
(ACBA4)		750-16LT	8.90 x 16.00	10	TL	$117
(ACBA9)		950-16.5LT	9.60 x 16.50	10	TL	$131
TRACTION HI-MILER			*(Life = 5000hrs)*			
(ACBC1)		6.70-15LT	7.50 x 15.00	6	TL	$99
(ACBC3)		8-14.5LT	8.00 x 14.50	12	TL	$171
(ACBC4)		9-14.5LT	9.70 x 14.50	12	TL	$192
CUSTOM HI-MILER			*(Life = 5000hrs)*			
(ACBD2)		14-17.5	14.30 x 17.50	10	TL	$484
(ACBD1)		12-16.5LT	14.60 x 16.50	12	TL	$388
OVER-THE-ROAD TRUCK, COMMERCIAL, RADIAL						
COMMERICAL RADIAL LT TRUCK			*(Life = 5000hrs)*			
(ADCA2)		LT225/75R16	7.50 x 16.00	10	TL	$213
(ADCA17)		8R19.5	8.00 x 19.50	10	TL	$279
(ADCA18)		8R195	8.00 x 19.50	12	TL	$257
(ADCA4)		LT215/85R16	8.50 x 16.00	10	TL	$131
(ADCA3)		LT215/85R16	8.50 x 16.00	8	TL	$93
(ADCA14)		8.5R17.5	8.50 x 17.50	12	TL	$220

(1) TT = includes tube, TL = no tube, NO = no tube

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
(ADCA1)		750R16LT	8.70 x 16.00	8	TL	$130
(ADCA13)		875R16.5	8.75 x 16.50	10	TL	$225
(ADCA6)		LT225/75R16	8.80 x 16.00	10	TL	$136
(ADCA19)		225/70R195	8.85 x 19.50	12	TL	$304
(ADCA8)		LT235/85R16	9.25 x 16.00	10	TL	$130
(ADCA15)		950R16.5LT	9.50 x 16.50	8	TL	$132
(ADCA21)		245/70R195	9.65 x 19.50	14	TL	$349
(ADCA11)		LT245/75R16	9.80 x 16.00	10	TL	$137
COMMERCIAL RADIAL TRUCK TL			***(Life = 5000hrs)***			
(ADCB1)		8.5R17.5	8.50 x 17.50	12	TL	$222
(ADCB2)		9R17.5	9.00 x 17.50	16	TL	$291
(ADCB5)		9R22.5	9.00 x 22.50	12	TL	$543
(ADCB3)		10R17.5	10.00 x 17.50	16	TL	$295
(ADCB7)		10R22.5	10.00 x 22.50	14	TL	$438
(ADCB4)		11R17.5	11.00 x 17.50	16	TL	$411
(ADCB9)		11R22.5	11.00 x 22.50	16	TL	$434
(ADCB8)		11R22.5	11.00 x 22.50	16	TL	$563
(ADCB13)		11R24.5	11.00 x 24.50	16	TL	$608
(ADCB10)		12R22.5	12.00 x 22.50	16	TL	$662
(ADCB14)		12R24.5	12.00 x 24.50	16	TL	$684
LOW PROFILE RADIAL TRUCK TL			***(Life = 5000hrs)***			
(ADCC1)		215/75R17.5	8.40 x 17.50	16	TL	$279
(ADCC5)		245/75R22.5	9.60 x 22.50	14	TL	$323
(ADCC3)		255/70R22.5	10.00 x 22.50	16	TL	$417
(ADCC2)		265/70R19.5	10.40 x 19.50	14	TL	$352
(ADCC6)		265/75R22.5	10.40 x 22.50	14	TL	$398
(ADCC4)		275/70R22.5	10.80 x 22.50	16	TL	$404
(ADCC12)		285/75R24.5	11.20 x 24.50	14	TL	$583
(ADCC8)		295/75R22.5	11.60 x 22.50	16	TL	$535
(ADCC10)		315/80R22.5	12.40 x 22.50	18	TL	$677
SUPER SINGLE COMMERCIAL RADIAL TRUCK			***(Life = 5000hrs)***			
(ADCD1)		385/65R22.5	15.10 x 22.50	18	TL	$769
(ADCD2)		425/65R22.5	16.70 x 22.50	20	TL	$873
(ADCD3)		445/65R22.5	17.50 x 22.50	20	TL	$986
COMMERCIAL RADIAL TRUCK TT			***(Life = 5000hrs)***			
(ADCE1)		825R15	8.25 x 15.00	14	TT	$305
(ADCE5)		825R20	8.25 x 20.00	12	TT	$371
(ADCE6)		900R20	9.00 x 20.00	12	TT	$414
(ADCE3)		1000R15	10.00 x 15.00	14	TT	$416
(ADCE7)		1000R20	10.00 x 20.00	14	TT	$428
(ADCE13)		10R22.5	10.00 x 22.50	12	TT	$428

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TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
(ADCE12)		365/80R20	10.40 x 20.00	18	TT	$640
(ADCE9)		1100R20	11.00 x 20.00	16	TT	$531
(ADCE10)		1100R20	11.00 x 20.00	16	TT	$616
(ADCE14)		1100R22	11.00 x 22.00	16	TT	$642
(ADCE15)		1100R24	11.00 x 24.00	16	TT	$627
(ADCE11)		1200R20	12.00 x 20.00	18	TT	$641
(ADCE17)		1200R24	12.00 x 24.00	18	TT	$693
(ADCE16)		1400R20	14.00 x 20.00	20	TT	$1,015
OVER-THE-ROAD TRUCK, COMMERCIAL, BIAS						
COMMERCIAL BIAS PLY TRUCK TL			*(Life = 5000hrs)*			
(AEDA1)		10-22.5	10.00 x 22.50	10	TL	$253
(AEDA2)		11-22.5	11.00 x 22.50	12	TL	$358
(AEDA3)		11-24.5	11.00 x 24.50	12	TL	$330
COMMERCIAL BIAS PLY TRUCK TT			*(Life = 5000hrs)*			
(AEDB1)		7.50-20	7.50 x 20.00	10	TT	$161
(AEDB2)		8.25-20	8.25 x 20.00	10	TT	$192
(AEDB3)		9.00-20	9.00 x 20.00	10	TT	$232
(AEDB4)		9.00-20	9.00 x 20.00	12	TT	$258
(AEDB5)		10.00-20	10.00 x 20.00	12	TT	$213
(AEDB7)		11.00-20	11.00 x 20.00	14	TT	$412
(AEDB8)		12.00-20	12.00 x 20.00	14	TT	$491
(AEDB9)		14.00-24	14.00 x 24.00	20	TT	$1,131
FARM, FRONT						
ALL SERVICE NON DIRECTIONAL			*(Life = 5000hrs)*			
(AFEA1)	NDCC-M	40-19-195	19.00 x 19.50	14	TL	$1,320
AM IMPLEMENT			*(Life = 5000hrs)*			
(AFEB3)	I-1	100/80-12	3.90 x 12.00	8	TL	$340
(AFEB2)	I-1	125/80-18	4.90 x 18.00	10	TL	$572
DRILL RIB			*(Life = 5000hrs)*			
(AFEC1)	I-1	750-20	7.50 x 20.00	4	TL	$183
DYNA RIB F-2-M			*(Life = 5000hrs)*			
(AFED2)	F-2M	1000-16	10.00 x 16.00	8	TL	$132
(AFED1)	F-2M	11L-15	11.00 x 15.00	6	TL	$147
(AFED4)	F-2M	1100-16	11.00 x 16.00	8	TL	$173
(AFED8)	F-2M	1100-24	11.00 x 24.00	12	TL	$444
(AFED6)	F-2M	14L-161	14.00 x 16.10	10	TL	$327
(AFED7)	F-2M	165L-161	16.50 x 16.10	8	TL	$391

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APPENDIX F
TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
SINGLE RIB FRONT TRACTOR F-1			*(Life = 5000hrs)*			
(AFEE1)	F-1	600-16	6.00 x 16.00	4	TT	$78
(AFEE2)	F-2	750-16	7.50 x 16.00	6	TL	$108
FARM HIGHWAY SERVICE			*(Life = 5000hrs)*			
(AFEF2)	I-1	95L-15FI	9.50 x 15.00	8	TL	$96
(AFEF5)	I-1	11L-15FI	11.00 x 15.00	12	TL	$143
(AFEF7)	I-1	125L-15FI	12.50 x 15.00	12	TL	$177
FARM UTILITY			*(Life = 5000hrs)*			
(AFEG7)	I-1	750-14	7.50 x 14.00	4	TL	$73
(AFEG14)	I-1	760-15	7.60 x 15.00	8	TL	$73
(AFEG8)	I-1	85L-14	8.50 x 14.00	6	TL	$73
(AFEG1)	I-1	95L-14	9.50 x 14.00	8	TT	$70
(AFEG17)	I-1	95L-15	9.50 x 15.00	12	TL	$108
(AFEG18)	I-1	1000-15	10.00 x 15.00	8	TL	$111
(AFEG11)	I-1	11L-14	11.00 x 14.00	8	TL	$95
(AFEG22)	I-1	11L-15	11.00 x 15.00	12	TL	$110
(AFEG20)	I-1	11L-15	11.00 x 15.00	8	TL	$73
(AFEG34)	I-1	11L-16	11.00 x 16.00	10	TL	$137
(AFEG25)	I-1	125L-15	12.50 x 15.00	12	TL	$147
(AFEG30)	I-1	125L-16	12.50 x 16.00	12	TL	$148
(AFEG29)	I-1	125L-16	12.50 x 16.00	8	TL	$132
(AFEG28)	I-1	14L-161	14.00 x 16.10	12	TT	$251
(AFEG31)	I-1	165L-161	16.50 x 16.10	10	TL	$279
(AFEG32)	I-1	19L-161	19.00 x 16.10	10	TL	$370
(AFEG26)	I-1	215L-161	21.50 x 16.10	10	TL	$600
(AFEG27)	I-1	215L-161	21.50 x 16.10	14	TL	$459
FOUR RIB FRONT TRACTOR F-2-M			*(Life = 5000hrs)*			
(AFEH1)	F-2M	750-16	7.50 x 16.00	6	TT	$92
(AFEH3)	F-2M	1000-16	10.00 x 16.00	8	TT	$124
(AFEH4)	F-2M	1100-16	11.00 x 16.00	8	TT	$154
HI-MILER M SS			*(Life = 5000hrs)*			
(AFEJ2)		36-16-175	16.00 x 17.50	10	TL	$837
IMPLEMENT RIB			*(Life = 5000hrs)*			
(AFEK1)	I-1	400-09	4.00 x 9.00	4	TT	$27
(AFEK11)	I-1	400-18	4.00 x 18.00	4	TT	$54
(AFEK4)	I-1	500-15	5.00 x 15.00	4	TT	$53
(AFEK16)	I-1	590-15	5.90 x 15.00	4	TL	$65
(AFEK6)	I-1	600-16	6.00 x 16.00	6	TT	$70
(AFEK7)	I-1	650-16	6.50 x 16.00	6	TT	$72

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APPENDIX F
TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
(AFEK5)	I-1	670-15	6.70 x 15.00	6	TL	$82
(AFEK9)	I-1	750-16	7.50 x 16.00	10	TT	$95
(AFEK12)	I-1	750-18	7.50 x 18.00	6	TT	$114
(AFEK19)	I-1	750-20	7.50 x 20.00	6	TL	$151
(AFEK3)	I-1	900-10	9.00 x 10.00	4	TT	$140
(AFEK10)	I-1	900-16	9.00 x 16.00	10	TL	$122
(AFEK13)	I-1	900-24	9.00 x 24.00	8	TL	$260
(AFEK14)	I-1	1125-28	11.25 x 28.00	12	TT	$514
LABORER F-3			***(Life = 5000hrs)***			
(AFEL6)	F-3	145/75-161	5.70 x 16.10	10	TL	$368
(AFEL3)	F-3	800-16	8.00 x 16.00	10	TL	$200
(AFEL2)	F-3	11L-15	11.00 x 15.00	10	TL	$133
(AFEL4)	F-3	11L-16	11.00 x 16.00	10	TL	$141
(AFEL5)	F-3	11L-16	11.00 x 16.00	12	TL	$172
MULTI-RIB F-3			***(Life = 5000hrs)***			
(AFEM1)	F-3	900-10	9.00 x 10.00	10	TT	$113
(AFEM2)	F-3	1100-16	11.00 x 16.00	12	TL	$194
SMOOTH			***(Life = 5000hrs)***			
(AFEN2)		11L-15	11.00 x 15.00	10	TL	$94
(AFEN3)		11L-15	11.00 x 15.00	12	TL	$225
(AFEN1)	I-1	169-30	16.90 x 30.00	6	TL	$865
SMOOTH IMP			***(Life = 5000hrs)***			
(AFEO1)		400-8	4.00 x 8.00	4	TL	$32
SOFTRAC II			***(Life = 5000hrs)***			
(AFEP1)	I-2	165L-161	16.50 x 16.10	6	TL	$300
(AFEP3)	I-2	215L-161	21.50 x 16.10	10	TL	$633
SUPER RIB F-2			***(Life = 5000hrs)***			
(AFER1)	F-2	400-12	4.00 x 12.00	4	TT	$39
SUPER SURE GRIP G-1			***(Life = 5000hrs)***			
(AFES2)	G-1	5-12	5.00 x 12.00	4	TL	$59
(AFES1)	G-1	7-16	7.00 x 16.00	4	TT	$97
(AFES3)	G-1	8-16	8.00 x 16.00	4	TT	$124
(AFES4)	G-2	8-16	8.00 x 16.00	6	TL	$140
SURE GRIP IMPLEMENT			***(Life = 5000hrs)***			
(AFET1)	I-3	105/80-18	4.10 x 18.00	10	TL	$284
(AFET2)	I-3	125/80-18	4.90 x 18.00	10	TL	$356
SURE GRIP LUG			***(Life = 5000hrs)***			
(AFEU2)	I-3	105/80-18	10.50 x 18.00	10	TL	$283

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TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
(AFEU1)	I-3	124-16	12.40 x 16.00	4	TL	$265
(AFEU3)	I-3	125/80-18	12.50 x 18.00	10	TL	$356
SURE GRIP TRACTION			***(Life = 5000hrs)***			
(AFEV1)	I-3	670-15	6.70 x 15.00	4	TT	$83
(AFEV5)	I-3	750-16	7.50 x 16.00	4	TL	$117
(AFEV2)	I-3	750-18	7.50 x 18.00	4	TT	$121
(AFEV3)	I-3	750-20	7.50 x 20.00	4	TT	$151
(AFEV4)	I-3	760-15	7.60 x 15.00	6	TL	$90
(AFEV7)	I-3	125L-15 FI	12.50 x 15.00	12	TL	$186
(AFEV8)	I-3	165L-161	16.50 x 16.10	6	TL	$542
(AFEV10)	I-3	215L-161	21.50 x 16.10	8	TL	$652
TRACTION IMPLEMENT			***(Life = 5000hrs)***			
(AFEW1)	I-3	500-15	5.00 x 15.00	4	TL	$71
(AFEW2)	I-3	590-15	5.90 x 15.00	4	TL	$75
TRIPLE RIB HD			***(Life = 5000hrs)***			
(AFEX8)	F-2	550-16	5.50 x 16.00	6	TT	$56
(AFEX10)	F-2	600-16	6.00 x 16.00	6	TT	$58
(AFEX11)	F-2	650-16	6.50 x 16.00	6	TT	$62
(AFEX4)	F-2	75L-15	7.50 x 15.00	6	TT	$81
(AFEX13)	F-2	750-16	7.50 x 16.00	8	TT	$90
(AFEX14)	F-2	750-18	7.50 x 18.00	6	TT	$103
(AFEX5)	F-2	95L-15	9.50 x 15.00	6	TT	$109
(AFEX16)	F-2	1000-16	10.00 x 16.00	8	TL	$151
(AFEX6)	F-2	11L-15	11.00 x 15.00	8	TT	$123
(AFEX17)	F-2	1100-16	11.00 x 16.00	8	TL	$164
TRIPLE RIB R/S F-2			***(Life = 5000hrs)***			
(AFEY2)	F-2	400-15	4.00 x 15.00	4	TT	$54
(AFEY1)	F-2	500-15	5.00 x 15.00	4	TT	$53
FARM, REAR						
ALL TRACTION R-3			***(Life = 5000hrs)***			
(AGFA1)	R-3	750-16	7.50 x 16.00	4	TT	$117
ALL WEATHER R-3			***(Life = 5000hrs)***			
(AGFB2)	R-3	95-24	9.50 x 24.00	4	TT	$254
(AGFB1)	R-3	124-16	12.40 x 16.00	12	TT	$570
(AGFB7)	R-3	136-161	13.60 x 16.10	8	TL	$434
(AGFB5)	R-3	136-28	13.60 x 28.00	6	TT	$503
(AGFB3)	R-3	149-24	14.90 x 24.00	6	TL	$344
(AGFB4)	R-3	169-24	16.90 x 24.00	6	TL	$426
(AGFB8)	R-3	184-161	18.40 x 16.10	8	TL	$519

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APPENDIX F
TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
(AGFB10)	R-3	184-26	18.40 x 26.00	10	TL	$701
(AGFB11)	R-3	231-26	23.10 x 26.00	10	TL	$987
(AGFB12)	R-3	231-26	23.10 x 26.00	12	TL	$1,100
(AGFB14)	R-3	245-32	24.50 x 32.00	12	TL	$1,546
(AGFB13)	R-3	28L-26	28.00 x 26.00	16	TT	$1,468
(AGFB15)	R-3	305L-32	30.50 x 32.00	12	TL	$1,686
(AGFB16)	R-3	305L-32 VA	30.50 x 32.00	24	TL	$3,144
DT 710 RADIAL			***(Life = 5000hrs)***			
(AGFC1)	R-1	320/75R24	12.60 x 24.00	X1	TL	$546
(AGFC12)	R-1	136R28	13.60 x 28.00	X3	TL	$626
(AGFC11)	R-1	149R24	14.90 x 24.00	X2	TL	$661
(AGFC13)	R-1	149R28	14.90 x 28.00	X3	TL	$729
(AGFC9)	R-1	155R38	15.50 x 38.00	X1	TL	$417
(AGFC14)	R-1	169R28	16.90 x 28.00	X2	TL	$764
(AGFC6)	R-1	169R30	16.90 x 30.00	X3	TL	$815
(AGFC7)	R-1	184R30	18.40 x 30.00	X1	TL	$584
(AGFC8)	R-1	184R34	18.40 x 34.00	X1	TL	$820
(AGFC10)	R-1	184R38	18.40 x 38.00	X1	TL	$929
DT 730 RADIAL			***(Life = 5000hrs)***			
(AGFD1)	R-1	290/95R34	11.40 x 34.00	UK	TL	$1,134
DT 800 RADIAL			***(Life = 5000hrs)***			
(AGFE1)	R-1W	320/90R42	12.60 x 42.00	UK	TL	$763
(AGFE3)	R-1W	320/90R50	12.60 x 50.00	UK	TL	$1,191
(AGFE2)	R-1W	380/90R46	14.90 x 46.00	UK	TL	$1,137
DT 812 RADIAL			***(Life = 5000hrs)***			
(AGFF1)	R-1W	380/70R24	14.90 x 24.00	UK	TL	$618
(AGFF2)	R-1W	420/70R28	16.50 x 28.00	UK	TL	$757
(AGFF3)	R-1W	480/70R30	18.90 x 30.00	UK	TL	$969
(AGFF4)	R-1W	520/70R30	20.50 x 30.00	UK	TL	$1,133
DT 820 RADIAL			***(Life = 5000hrs)***			
(AGFG2)	R-1W	600/65R28	23.60 x 28.00	UK	TL	$1,338
(AGFG1)	R-1W	620/75R26	24.40 x 26.00	UK	TL	$2,128
(AGFG5)	R-1W	620/70R42	24.40 x 42.00	UK	TL	$1,707
(AGFG3)	R-1W	650/75R34	25.60 x 34.00	UK	TL	$2,053
(AGFG4)	R-1W	710/70R38	27.90 x 38.00	UK	TL	$1,774
DYNA TORQUE RADIAL R-1			***(Life = 5000hrs)***			
(AGFH5)	R-1	320/85R34	12.60 x 34.00	UK	TL	$721
(AGFH7)	R-1	149R30	14.90 x 30.00	X3	TL	$755
(AGFH9)	R-1	149R34	14.90 x 34.00	X3	TL	$860

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APPENDIX F
TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
(AGFH15)	R-1	149R46	14.90 x 46.00	X3	TL	$989
(AGFH6)	R-1	385/85R34	15.10 x 34.00	UK	TL	$803
(AGFH16)	R-1	420/80R46	16.50 x 46.00	UK	TL	$1,376
(AGFH8)	R-1	169R30	16.90 x 30.00	X3	TL	$815
(AGFH2)	R-1	184R26	18.40 x 26.00	X2	TL	$853
(AGFH10)	R-1	184R38	18.40 x 38.00	X1	TL	$793
(AGFH13)	R-1	184R42	18.40 x 42.00	X2	TL	$987
(AGFH17)	R-1	184R46	18.40 x 46.00	X3	TL	$1,191
(AGFH12)	R-1	208R38	20.80 x 38.00	X1	TL	$1,041
(AGFH14)	R-1	208R42	20.80 x 42.00	X2	TL	$1,091
(AGFH3)	R-1	245R32	24.50 x 32.00	X3	TL	$1,523
(AGFH4)	R-1	305LR32	30.50 x 32.00	X3	TL	$2,288
DYNA TORQUE / DYNA TORQUE II R-1			***(Life = 5000hrs)***			
(AGFJ28)	R-1	7-14	7.00 x 14.00	6	TL	$83
(AGFJ1)	R-1	95-24	9.50 x 24.00	6	TL	$204
(AGFJ29)	R-1	112-16	11.20 x 16.00	4	TL	$158
(AGFJ3)	R-1	112-24	11.20 x 24.00	8	TT	$246
(AGFJ5)	R-1	124-24	12.40 x 24.00	8	TL	$296
(AGFJ38)	R-1	124-38	12.40 x 38.00	10	TL	$578
(AGFJ6)	R-1	136-24	13.60 x 24.00	8	TT	$372
(AGFJ41)	R-1	136-28	13.60 x 28.00	10	TL	$430
(AGFJ11)	R-1	136-28	13.60 x 28.00	8	TT	$344
(AGFJ21)	R-1	136-38	13.60 x 38.00	6	TL	$427
(AGFJ7)	R-1	149-24	14.90 x 24.00	6	TL	$364
(AGFJ31)	R-1	149-24	14.90 x 24.00	8	TL	$405
(AGFJ42)	R-1	149-28	14.90 x 28.00	10	TL	$508
(AGFJ22)	R-1	155-38	15.50 x 38.00	6	TT	$410
(AGFJ8)	R-1	169-24	16.90 x 24.00	6	TT	$426
(AGFJ39)	R-1	169-26	16.90 x 26.00	10	TL	$884
(AGFJ43)	R-1	169-28	16.90 x 28.00	10	TL	$703
(AGFJ14)	R-1	169-30	16.90 x 30.00	6	TT	$461
(AGFJ37)	R-1	169-34	16.90 x 34.00	6	TL	$514
(AGFJ23)	R-1	169-38	16.90 x 38.00	14	TT	$824
(AGFJ40)	R-1	184-26	18.40 x 26.00	10	TL	$719
(AGFJ13)	R-1	184-30	18.40 x 30.00	6	TL	$570
(AGFJ15)	R-1	184-30	18.40 x 30.00	8	TL	$584
(AGFJ18)	R-1	184-34	18.40 x 34.00	8	TT	$585
(AGFJ24)	R-1	184-38	18.40 x 38.00	8	TT	$662
(AGFJ26)	R-1	184-42	18.40 x 42.00	10	TT	$1,088
(AGFJ19)	R-1	208-34	20.80 x 34.00	14	TT	$1,083
(AGFJ25)	R-1	208-38	20.80 x 38.00	8	TT	$819
(AGFJ27)	R-1	208-42	20.80 x 42.00	10	TL	$1,237

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APPENDIX F
TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
(AGFJ45)	R-1	231-26	23.10 x 26.00	10	TL	$966
(AGFJ16)	R-1	231-30	23.10 x 30.00	8	TT	$944
(AGFJ20)	R-1	231-34	23.10 x 34.00	8	TT	$1,137
(AGFJ35)	R-1	245-32	24.50 x 32.00	12	TL	$1,098
(AGFJ34)	R-1	28L-26	28.00 x 26.00	12	TL	$1,289
(AGFJ36)	R-1	305L-32	30.50 x 32.00	14	TL	$1,791
INDUSTRIAL SURE GRIP R-4			***(Life = 5000hrs)***			
(AGFK1)	R-4	169-30	16.90 x 30.00	10	TT	$796
(AGFK3)	R-4	184-28	18.40 x 28.00	12	TL	$685
IT510 R4			***(Life = 5000hrs)***			
(AGFL4)	R-4	169R28	16.90 x 28.00	UK	TL	$764
(AGFL2)	R-4	175LR24	17.50 x 24.00	UK	TL	$640
(AGFL3)	R-4	195LR24	19.50 x 24.00	UK	TL	$833
IT525 R4			***(Life = 5000hrs)***			
(AGFM1)	R-4	149-24	14.90 x 24.00	8	TL	$341
(AGFM4)	R-4	169-24	16.90 x 24.00	10	TL	$470
(AGFM3)	R-4	169-24	16.90 x 24.00	6	TL	$428
(AGFM12)	R-4	169-28	16.90 x 28.00	10	TL	$463
(AGFM6)	R-4	175L-24	17.50 x 24.00	10	TL	$449
(AGFM5)	R-4	184-24	18.40 x 24.00	12	TL	$781
(AGFM8)	R-4	195L-24	19.50 x 24.00	12	TL	$628
(AGFM7)	R-4	195L-24	19.50 x 24.00	8	TL	$489
(AGFM9)	R-4	21L-24	21.00 x 24.00	10	TL	$685
(AGFM11)	R-4	21L-24	21.00 x 24.00	16	TL	$918
(AGFM14)	R-4	21L-28	21.00 x 28.00	14	TL	$995
POWER TORQUE R-1			***(Life = 5000hrs)***			
(AGFN1)	R-1	6-12	6.00 x 12.00	4	TL	$55
(AGFN2)	R-1	7-16	7.00 x 16.00	4	TL	$99
(AGFN4)	R-1	8-16	8.00 x 16.00	6	TL	$1,232
(AGFN5)	R-1	95-16	9.50 x 16.00	6	TL	$170
SPECIAL SURE GRIP R-2-0			***(Life = 5000hrs)***			
(AGFO1)	R-2	136-38	13.60 x 38.00	6	TT	$542
(AGFO2)	R-2	149-24	14.90 x 24.00	6	TL	$591
(AGFO11)	R-2	184-26	18.40 x 26.00	10	TL	$769
(AGFO5)	R-2	184-30	18.40 x 30.00	6	TT	$787
(AGFO8)	R-2	184-38	18.40 x 38.00	8	TL	$716
(AGFO12)	R-2	VA500/95D32	19.70 x 32.00	20	TL	$1,759
(AGFO10)	R-2	208-38	20.80 x 38.00	8	TL	$1,062
(AGFO3)	R-2	231-26	23.10 x 26.00	10	TL	$1,062
(AGFO4)	R-2	28L-26	28.00 x 26.00	12	TL	$1,478

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APPENDIX F
TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
(AGFO6)	R-2	305L-32	30.50 x 32.00	14	TL	$1,876
SPECIAL SURE GRIP RADIAL R-2-0			***(Life = 5000hrs)***			
(AGFP8)	R-2	320/90R46	12.60 x 46.00	X3	TL	$947
(AGFP9)	R-2	340/85R46	13.40 x 46.00	UK	TL	$1,024
(AGFP1)	R-2	169R28	16.90 x 28.00	X2	TL	$977
(AGFP2)	R-2	169R30	16.90 x 30.00	X3	TL	$1,070
(AGFP3)	R-2	184R38	18.40 x 38.00	X1	TL	$929
(AGFP5)	R-2	184R42	18.40 x 42.00	X2	TL	$1,269
(AGFP7)	R-2	184R46	18.40 x 46.00	X3	TL	$1,409
(AGFP4)	R-2	208R38	20.80 x 38.00	X2	TL	$1,242
(AGFP6)	R-2	208R42	20.80 x 42.00	X2	TL	$1,557
SUPER TRACTION RADIAL R-1			***(Life = 5000hrs)***			
(AGFQ1)	R-1W	250/80R18	9.80 x 18.00	UK	TL	$344
(AGFQ3)	R-1W	260/80R20	10.20 x 20.00	8	TL	$493
(AGFQ2)	R-1W	112R20	11.20 x 20.00	UK	TL	$379
(AGFQ6)	R-1W	136R28	13.60 x 28.00	UK	TL	$658
(AGFQ15)	R-1W	136R38	13.60 x 38.00	UK	TL	$819
(AGFQ20)	R-1W	149R24	14.90 x 24.00	X2	TL	$661
(AGFQ7)	R-1W	149R28	14.90 x 28.00	UK	TL	$689
(AGFQ9)	R-1W	149R30	14.90 x 30.00	UK	TL	$750
(AGFQ4)	R-1W	169R24	16.90 x 24.00	UK	TL	$800
(AGFQ5)	R-1W	169R26	16.90 x 26.00	X2	TL	$940
(AGFQ8)	R-1W	169R28	16.90 x 28.00	UK	TL	$858
(AGFQ10)	R-1W	169R30	16.90 x 30.00	UK	TL	$912
(AGFQ21)	R-1W	169R34	16.90 x 34.00	X2	TL	$729
(AGFQ22)	R-1W	169R38	16.90 x 38.00	X2	TT	$824
(AGFQ11)	R-1W	184R26	18.40 x 26.00	UK	TL	$894
(AGFQ12)	R-1W	184R30	18.40 x 30.00	UK	TL	$983
(AGFQ14)	R-1W	184R34	18.40 x 34.00	UK	TL	$820
(AGFQ16)	R-1W	184R38	18.40 x 38.00	UK	TL	$893
(AGFQ18)	R-1W	184R42	18.40 x 42.00	UK	TL	$1,226
(AGFQ17)	R-1W	208R38	20.80 x 38.00	UK	TL	$1,297
(AGFQ19)	R-1W	208R42	20.80 x 42.00	UK	TL	$1,377
(AGFQ13)	R-1W	800/65R32	31.50 x 32.00	UK	TL	$2,321
SURE GRIP ALL SERVICE R-1			***(Life = 5000hrs)***			
(AGFR1)	R-1	9.5-24	9.50 x 24.00	6	TL	$172
TRACTION IRRIGATION 3			***(Life = 5000hrs)***			
(AGFS1)	R-1	112-24	11.20 x 24.00	4	TL	$197
(AGFS2)	R-1	149-24	14.90 x 24.00	4	TL	$283

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EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
TRACTION SURE GRIP R-1			*(Life = 5000hrs)*			
(AGFT1)	R-1	72-30	7.20 x 30.00	2	TT	$243
(AGFT3)	R-1	95-42	9.50 x 42.00	6	TL	$425
(AGFT2)	R-1	184-161	18.40 x 16.10	6	TL	$555
DURATORQUE R-1			*(Life = 5000hrs)*			
(AGFU1)	R-1	149-28	14.90 x 28.00	6	TT	$369
(AGFU2)	R-1	169-30	16.90 x 30.00	6	TT	$483
(AGFU3)	R-1	184-30	18.40 x 30.00	6	TT	$551
(AGFU5)	R-1	184-38	18.40 x 38.00	8	TT	$602
FARM, TERRA - 20" UP						
SFT105			*(Life = 5000hrs)*			
(AHGA2)	HF-1	54-3100-26	31.00 x 26.00	10	TL	$2,591
SOF TRAC			*(Life = 5000hrs)*			
(AHGB2)	HF-1	41-1400-20	14.00 x 20.00	4	TL	$405
(AHGB1)	HF-1	44-1800-20	18.00 x 20.00	4	TL	$476
SUPER TERRA GRIP			*(Life = 5000hrs)*			
(AHGC1)	HF-2	38-1400-20	14.00 x 20.00	8	TL	$397
(AHGC4)	HF-2	48-2500-20	25.00 x 20.00	10	TL	$1,844
(AHGC2)	HF-2	42-2500-20	25.00 x 20.00	8	TL	$1,425
(AHGC6)	HF-2	48-3100-20	31.00 x 20.00	12	TL	$1,862
(AHGC7)	HF-2	54-3100-26	31.00 x 26.00	10	TL	$2,721
(AHGC12)	HF-2	67-3400-25	34.00 x 25.00	10	TL	$4,089
(AHGC10)	HF-2	66-4300-25	43.00 x 25.00	10	TL	$3,149
(AHGC11)	HF-2	66-4300-25	43.00 x 25.00	20	TL	$4,654
SUPER TERRA GRIP XT			*(Life = 5000hrs)*			
(AHGD3)	HF-3	48-2500-20	25.00 x 20.00	10	TL	$1,776
(AHGD1)	HF-3	42-2500-20	25.00 x 20.00	12	TL	$1,571
(AHGD5)	HF-3	48-3100-20	31.00 x 20.00	12	TL	$1,984
(AHGD6)	HF-3	66-4300-25	43.00 x 25.00	10	TL	$3,164
(AHGD7)	HF-3	VA73-4400-32	44.00 x 32.00	12	TL	$4,611
CUSTOM FLO GRIP			*(Life = 5000hrs)*			
(AHGE2)	HF-4	67-3400-25	34.00 x 25.00	14	TL	$3,834
(AHGE1)	HF-4	67-3400-30	34.00 x 30.00	12	TL	$5,922
TUNDRA GRIP			*(Life = 5000hrs)*			
(AHGF2)	HF-1	66-4400-25	44.00 x 25.00	16	TL	$3,898
(AHGF1)	HF-1	66-4400-25	44.00 x 25.00	20	TL	$4,091

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APPENDIX F
TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
SMOOTH TERRA			*(Life = 5000hrs)*			
(AHGG1)		44-4100-20	41.00 x 20.00	10	TL	$4,168
STEELGARD SUPER TERRA GRIP			*(Life = 5000hrs)*			
(AHGH1)	HF-2	66-4300-25	43.00 x 25.00	12	TL	$3,954
STEELGARD CUSTOM FLO GRIP			*(Life = 5000hrs)*			
(AHGJ2)	HF-4	67-3400-25	34.00 x 25.00	14	TL	$4,194
STEELGARD SUPER TERRA GRIP XT			*(Life = 5000hrs)*			
(AHGK1)	HF-3	42-2500-20	25.00 x 20.00	12	TL	$1,571
(AHGK2)	HF-3	66-4300-25	43.00 x 25.00	16	TL	$3,800
(AHGK3)	HF-3	73-4400-32	44.00 x 32.00	16	TL	$6,284
FARM, SPECIALTY						
SFT105			*(Life = 5000hrs)*			
(AJHA1)	HF-1	33-1250-15	12.50 x 15.00	4	TL	$283
SOFTRAC			*(Life = 5000hrs)*			
(AJHB2)		18-650-8	6.50 x 8.00	4	TL	$42
(AJHB3)		18-850-8	8.50 x 8.00	6	TL	$43
(AJHB1)	HF-1	25-850-14	8.50 x 14.00	6	TL	$168
(AJHB5)	HF-1	27-850-15	8.50 x 15.00	4	TL	$111
(AJHB4)	HF-1	25-1050-15	10.50 x 15.00	4	TL	$122
(AJHB6)	HF-1	27-1050-15	10.50 x 15.00	4	TL	$131
(AJHB7)	HF-1	29-1250-15	12.50 x 15.00	4	TL	$169
(AJHB10)	HF-1	31-1250-15	12.50 x 15.00	4	TL	$175
(AJHB11)	HF-1	33-1250-15	12.50 x 15.00	4	TL	$216
(AJHB8)	HF-1	31-1350-15	13.50 x 15.00	4	TL	$210
(AJHB12)	HF-1	36-1350-15	13.50 x 15.00	4	TL	$474
(AJHB9)	HF-1	31-1550-15	15.50 x 15.00	4	TL	$228
SUPER TERRA GRIP			*(Life = 5000hrs)*			
(AJHC1)		27-850-15	8.50 x 15.00	4	TL	$108
(AJHC3)	HF-2	29-1250-15	12.50 x 15.00	6	TL	$189
(AJHC6)	HF-2	31-1550-15	15.50 x 15.00	8	TL	$255
(AJHC7)	HF-2	38-2000-16.1	20.00 x 16.00	8	TL	$704
SURE GRIP LUG			*(Life = 5000hrs)*			
(AJHD9)	HF-2	27-850-15	8.50 x 15.00	6	TL	$121
(AJHD1)		10-165	10.00 x 16.50	6	TL	$116
(AJHD10)	HF-2	27-1050-15	10.50 x 15.00	6	TL	$143
(AJHD4)		12-165	12.00 x 16.50	10	TL	$178
(AJHD3)		12-165	12.00 x 16.50	8	TL	$154

(1) TT = includes tube, TL = no tube, NO = no tube

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
(AJHD5)		14-175	14.00 x 17.50	10	TL	$583
(AJHD7)		15-195	15.00 x 19.50	12	TL	$507
(AJHD6)		15-195	15.00 x 19.50	8	TL	$543
ULTRA GRIP LUG			***(Life = 5000hrs)***			
(AJHE1)		10-165	10.00 x 16.50	8	TL	$150
(AJHE3)		12-165	12.00 x 16.50	10	TL	$256
(AJHE4)		31-1550-15	15.50 x 15.00	8	TL	$343
XTRA TRAC			***(Life = 5000hrs)***			
(AJHF3)	HF-1	29-1250-15NHS	12.50 x 15.00	4	TL	$150
(AJHF2)	HF-1	31-1550-15NHS	15.50 x 15.00	8	TL	$318
DOUBLE EAGLE			***(Life = 5000hrs)***			
(AJHG1)		205-50-10	5.00 x 10.00	4	TL	$52
POWER RIB			***(Life = 5000hrs)***			
(AJHJ1)		18-850-8	8.50 x 8.00	4	TL	$55
(AJHJ2)		20-1000-10	10.00 x 10.00	4	TL	$111
RALLY			***(Life = 5000hrs)***			
(AJHK1)		480-8	4.80 x 8.00	4	TL	$80
(AJHK2)		18-950-8	9.50 x 8.00	4	TL	$118
RIB TERRA			***(Life = 5000hrs)***			
(AJHL1)		18-950-8	9.50 x 8.00	10	TT	$97
TERRA RIB			***(Life = 5000hrs)***			
(AJHM2)	HF-1	25-750-15	7.50 x 15.00	6	TL	$99
(AJHM4)	HF-1	27-950-15	9.50 x 15.00	10	TL	$163
(AJHM6)	HF-1	31-1350-15	13.50 x 15.00	8	TL	$211
ATT			***(Life = 5000hrs)***			
(AJHN1)		AT21-7-10	7.00 x 10.00	X1	TL	$62
(AJHN3)		AT23-8-11	8.00 x 11.00	X2	TL	$85
(AJHN2)		AT22-9-8	9.00 x 8.00	X1	TL	$72
(AJHN5)		AT24-9-11	9.00 x 11.00	X1	TL	$79
(AJHN4)		AT25-11-9	11.00 x 9.00	X1	TL	$78
COMPASS TERRA			***(Life = 5000hrs)***			
(AJHO1)		21-1100-8	11.00 x 8.00	X2	TL	$99
RAWHIDE III			***(Life = 5000hrs)***			
(AJHP1)		22-1100-8	11.00 x 8.00	X2	TL	$66
(AJHP2)		25-1200-9	12.00 x 9.00	X2	TL	$76

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APPENDIX F
TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
RAWHIDE TERRA			***(Life = 5000hrs)***			
(AJHQ1)		21-1100-8	11.00 x 8.00	X2	TL	$99
RUNAMUCK			***(Life = 5000hrs)***			
(AJHR1)		22-1000-8	10.00 x 8.00	X2	TL	$80
TRACKER ATT			***(Life = 5000hrs)***			
(AJHT1)		AT24-8-11	8.00 x 11.00	X2	TL	$94
(AJHT2)		AT24-10-11	10.00 x 11.00	X2	TL	$103
TRACKER P			***(Life = 5000hrs)***			
(AJHW2)		AT25-8-12	8.00 x 12.00	X3	TL	$122
(AJHW1)		AT25-11-10	11.00 x 10.00	X3	TL	$116
TRACKER PT			***(Life = 5000hrs)***			
(AJHX1)		AT23-7-10	7.00 x 10.00	X2	TL	$107
WRANGLER SPORT & WRANGLER SPORT RADIAL			***(Life = 5000hrs)***			
(AJHZ1)		22-800-10NHS	8.00 x 10.00	X2	TL	$105
(AJHZ2)		22-1100-10NHS	11.00 x 10.00	X2	TL	$74
(AJHZ3)		24-1100-10NHS	11.00 x 10.00	X2	TL	$128
INDUSTRIAL, MINE SERVICE						
TRACTION IMPLEMENT			***(Life = 5000hrs)***			
(AKEW1)	I-1	130/65-18	5.10 x 18.00	12	TL	$469
ROCK MINE SERVICE			***(Life = 5000hrs)***			
(AKJA1)		38x16-15	16.00 x 15.00	28	TL	$1,748
TRACTION MINE SERVICE			***(Life = 5000hrs)***			
(AKJB3)		8.25-15	8.25 x 15.00	16	TT	$486
(AKJB2)		36-11x15(10.00L-15)	10.00 x 15.00	16	TT	$435
(AKJB5)		32-15x15(32x14.50-15)	14.50 x 15.00	20	TT	$474
(AKJB6)		35-15x15(14.50L-15)	14.50 x 15.00	28	TL	$727
HARD ROCK LUG MINE & INDUSTRIAL			***(Life = 5000hrs)***			
(AKJC1)		10.00-20	10.00 x 20.00	14	TT	$470
XTRA TRACTION LUG			***(Life = 5000hrs)***			
(AKJD2)		8.25-15	8.25 x 15.00	16	TT	$486
(AKJD3)		36-11x15(10.00L15)	10.00 x 15.00	16	TT	$435
(AKJD7)		24x12x12	12.00 x 12.00	24	TL	$644
(AKJD4)		32-15x15(32x14.50-15)	14.50 x 15.00	24	TL	$474
(AKJD6)		35-15x15(14.50L-15)	14.50 x 15.00	32	TL	$1,063
(AKJD8)		44x18-20	18.00 x 20.00	32	TL	$2,183

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APPENDIX F
TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
XTRA TRACTION GRIP			*(Life = 5000hrs)*			
(AKJE1)		32x12-15	12.00 x 15.00	20	TT	$512
INDUSTRIAL, PERMAFOAM INFLATION						
PERMAFOAM INFLATION			*(Life = 5000hrs)*			
(ALKA6)		825-15	8.25 x 15.00	UK	TL	$489
(ALKA1)		1000-20	10.00 x 20.00	UK	TL	$785
(ALKA8)		1100-15	11.00 x 15.00	UK	TL	$679
(ALKA15)		24-1200-12	12.00 x 12.00	UK	TL	$329
(ALKA10)		32-12-15	12.00 x 15.00	UK	TL	$641
(ALKA2)		1200-20	12.00 x 20.00	UK	TL	$1,115
(ALKA4)		1200-24	12.00 x 24.00	UK	TL	$1,243
(ALKA9)		28-13-15	13.00 x 15.00	UK	TL	$576
(ALKA3)		1400-20	14.00 x 20.00	UK	TL	$1,577
(ALKA11)		32-15-15(32-1450-15)	14.50 x 15.00	UK	TL	$660
(ALKA12)		35-15-15(1450-15)	14.50 x 15.00	UK	TL	$740
(ALKA13)		38-16-15	16.00 x 15.00	UK	TL	$1,029
(ALKA14)		44-18-20	18.00 x 20.00	UK	TL	$1,282
OFF-THE-ROAD, MED & HEAVY COMMERCIAL, RADIAL						
G-2 GRADER SERVICE - RL2F, SG2B			*(Life = 3200hrs)*			
(AMLA2)	G-2	13.00R24	13.00 x 24.00	X1	TL	$697
(AMLA1)	G-2	14.00R24	14.00 x 24.00	X1	TL	$996
(AMLA5)	L/G-2	15.5R25	15.50 x 25.00	X1	TL	$915
(AMLA4)	G-2	16.00R24	16.00 x 24.00	X1	TL	$1,219
E-2 HAULAGE SERVICE - RL2F/GP2B RL2+			*(Life = 2800hrs)*			
(AMLB7)	E-2	14.00R24	14.00 x 24.00	X3	TL	$1,423
(AMLB1)	E/L/G-3	17.5R25	17.50 x 25.00	X1	TL	$1,277
(AMLB8)	E-2	18.00R25	18.00 x 25.00	X2	TL	$1,982
(AMLB2)	E/L/G-3	20.5R25	20.50 x 25.00	X1	TL	$1,882
(AMLB9)	E/L/G-3	20.5R25	20.50 x 25.00	X2	TL	$1,978
(AMLB5)	E/L/G-3+T	20.5R25	20.50 x 25.00	X2	TL	$2,362
(AMLB15)	E-2	21.00R35	21.00 x 35.00	X2	TL	$3,882
(AMLB3)	E/L/G-3	23.5R25	23.50 x 25.00	X1	TL	$2,462
(AMLB10)	E/L/G-3	23.5R25	23.50 x 25.00	X2	TL	$2,510
(AMLB21)	E/L-3	26.5R25	26.50 x 25.00	X2	TL	$4,520
(AMLB20)	E-3	27.00R49	27.00 x 49.00	X2	TL	$7,362
(AMLB22)	E/L-3	29.5R25	29.50 x 25.00	X2	TL	$4,159
(AMLB17)	E-2	33.25R35	33.25 x 35.00	X2	TL	$6,225
(AMLB18)	E-2	37.25R35	37.25 x 35.00	X2	TL	$8,117
(AMLB19)	E-2	37.5R39	37.50 x 39.00	X2	TL	$8,781

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APPENDIX F
TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
(AMLB23)	E-3	40.5/75R39	40.50 x 39.00	X2	TL	$9,097
E-3 HAULAGE SERVICE - ROCK DESIGN RL3, RL3J,			***(Life = 2800hrs)***			
(AMLC1)	E-3+	16.00R25	16.00 x 25.00	X2	TL	$2,512
(AMLC2)	E-3+	18.00R25	18.00 x 25.00	X2	TL	$2,482
(AMLC3)	E-3+	18.00R33	18.00 x 33.00	X2	TL	$3,182
(AMLC4)	E-3+	21.00R35	21.00 x 35.00	X2	TL	$3,991
(AMLC5)	E-3+	24.00R35	24.00 x 35.00	X2	TL	$5,091
(AMLC6)	E-3	29.5R29	29.50 x 29.00	X2	TL	$4,762
(AMLC7)	E-3	33.25R35	33.25 x 25.00	X2	TL	$6,353
(AMLC8)	E-3	37.25R35	37.35 x 35.00	X2	TL	$8,119
(AMLC9)	E-3	37.5R39	37.50 x 39.00	X2	TL	$8,454
E-4 RL4J/RL4 & RL4H/RL4 E4			***(Life = 5000hrs)***			
(AMLD1)	E-4	12.00R24	12.00 x 24.00	X3	TT	$1,144
(AMLD2)	E-4	14.00R24	14.00 x 24.00	X3	TL	$1,423
(AMLD3)	E-4	14.00R25	14.00 x 25.00	X3	TL	$1,511
(AMLD4)	E-4	18.00R25	18.00 x 25.00	X2	TL	$2,547
(AMLD5)	E-4	18.00R33	18.00 x 33.00	X2	TL	$3,845
(AMLD14)	E-4	21.00R35	21.00 x 35.00	X2	TL	$4,505
(AMLD15)	E-4	24.00R35	24.00 x 25.00	X2	TL	$5,777
(AMLD6)	E-4	24.00R49	24.00 x 49.00	X2	TL	$7,138
(AMLD7)	E-4	27.00R49	27.00 x 49.00	X2	TL	$8,483
(AMLD8)	E-4	30.00R51	30.00 x 51.00	X2	TL	$11,192
(AMLD9)	E-4	33.00R51	33.00 x 51.00	X2	TL	$14,120
(AMLD10)	E-4	36.00R51	36.00 x 51.00	X2	TL	$14,603
(AMLD11)	E-4	37.00R57	37.00 x 57.00	X2	TL	$19,651
(AMLD12)	E-4	40.00R57	40.00 x 57.00	X2	TL	$23,630
MOBILE CRANE			***(Life = 5000hrs)***			
(AMLF1)	E/L/G-3	445/80R25 (17.5R25)	17.50 x 25.00	UK	TL	$1,277
(AMLF2)	E/L-3	445/95R25 (16.00R25)	17.50 x 25.00	UK	TL	$2,062
(AMLF3)	E/L-3	525/80R25(2O.5R25)	20.60 x 25.00	UK	TL	$1,882
L-5 DOZER & LOADER SERVICE RL5K			***(Life = 8000hrs)***			
(AMLG1)	L-5	20.5R25	20.50 x 25.00	X1	TL	$1,882
(AMLG2)	L-5	23.5R25	23.50 x 25.00	X1	TL	$2,462
SPECIAL SERVICE - AT2A			***(Life = 5000hrs)***			
(AMLH1)	E/L/G-3	14.00R20	14.00 x 20.00	18	TL	$738
(AMLH3)	E/L/G-3	16.00R20	16.00 x 20.00	22	TL	$1,161
(AMLH4)	E/L/G-3	16.00R21	16.00 x 21.00	22	TL	$1,217
(AMLH2)	E/L/G-3	17.5R25	17.50 x 25.00	X1	TL	$1,642
(AMLH5)	E/L/G-3	555/65R25	21.80 x 25.00	UK	TL	$2,078
(AMLH6)	E/L/G-3	22/65R25	22.00 x 25.00	X1	TL	$1,732

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APPENDIX F
TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
OFF-THE-ROAD, MED & HEAVY COMMERCIAL, BIAS						
INDUSTRIAL SURE GRIP MPT			*(Life = 5000hrs)*			
(ANMA1)		10.5-20	10.50 x 20.00	10	TL	$317
(ANMA2)		12.5-20	12.50 x 20.00	10	TL	$451
E-1 HRR 1A			*(Life = 2500hrs)*			
(ANMB1)	E-1	14.00-25	14.00 x 25.00	20	TL	$943
(ANMB2)	E-1	16.00-25	16.00 x 25.00	32	TL	$1,862
E-2 TRACTION EARTHMOVER SURE GRIP			*(Life = 2800hrs)*			
(ANMC2)	E-2	18.00-25	18.00 x 25.00	12	TL	$1,312
(ANMC3)	E-2	18.00-25	18.00 x 25.00	16	TL	$1,444
E-2 TRACTION SURE GRIP LUG			*(Life = 2800hrs)*			
(ANMD1)	E-2	29.5-25	29.50 x 25.00	22	TL	$3,376
(ANMD2)	E-2	29.5-29	29.50 x 29.00	34	TL	$3,785
(ANMD3)	E-2	29.5-35	29.50 x 35.00	28	TL	$3,905
E-3 ROCK SERVICE HARD ROCK LUG/HRL WC			*(Life = 2800hrs)*			
(ANME1)	E-3	12.00-20	12.00 x 20.00	20	TT	$690
(ANME2)	E-3	12.00-24	12.00 x 24.00	16	TT	$660
(ANME3)	E-3	14.00-24	14.00 x 24.00	28	TT	$1,256
(ANME4)	E-3	14.00-25	14.00 x 25.00	20	TL	$975
(ANME5)	E-3	16.00-25	16.00 x 25.00	20	TL	$1,539
(ANME6)	E-3	16.00-25	16.00 x 25.00	24	TL	$1,619
E-3 ROCK SERVICE SUPER HARD ROCK LUG			*(Life = 2800hrs)*			
(ANMF1)	E-3	26.5-25	26.50 x 25.00	20	TL	$2,566
(ANMF2)	E-3	26.5-25	26.50 x 25.00	26	TL	$2,633
(ANMF3)	E-3	29.5-25	29.50 x 25.00	22	TL	$3,324
(ANMF4)	E-3	29.5-25	29.50 x 25.00	28	TL	$3,473
(ANMF5)	E-3	29.5-29	29.50 x 29.00	28	TL	$3,713
(ANMF6)	E-3	29.5-29	29.50 x 29.00	34	TL	$3,983
E-3 ROCK SERVICE SHRL8			*(Life = 2800hrs)*			
(ANMG4)	E-3	29.5-35	29.50 x 35.00	34	TL	$4,286
(ANMG1)	E-3	33.25-29	33.25 x 29.00	26	TL	$3,101
(ANMG6)	E-3	33.25-35	33.25 x 35.00	38	TL	$5,484
(ANMG2)	E-3	33.5-33	33.50 x 33.00	32	TL	$4,960
(ANMG7)	E-3	37.25-35	37.25 x 35.00	30	TL	$6,060
(ANMG8)	E-3	37.25-35	37.25 x 35.00	36	TL	$5,807
(ANMG9)	E-3	37.5-39	37.50 x 39.00	44	TL	$7,175

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APPENDIX F
TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
E-3 ROCK SERVICE ELV3A, ELV4B, ELV4/5A			***(Life = 2800hrs)***			
(ANMH6)	IND 4	16.00-25	16.00 x 25.00	32	TL	$2,339
(ANMH2)	IND 3	18.00-25	18.00 x 25.00	32	TL	$2,774
(ANMH4)	IND 4	18.00-25	18.00 x 25.00	40	TL	$2,980
(ANMH9)	IND 3	21.00-25	21.00 x 25.00	32	TL	$3,074
(ANMH1)	IND 3	23.5-25	23.50 x 25.00	36	TL	$2,618
E-3 ROCK SERVICE HRL 3F			***(Life = 2800hrs)***			
(ANMJ2)	E-3	33.25-35	33.25 x 35.00	32	TL	$5,198
(ANMJ3)	E-3	33.25-35	33.25 x 35.00	38	TL	$5,596
(ANMJ5)	E-3	37.25-35	37.25 x 35.00	36	TL	$6,076
(ANMJ1)	E-3	37.5-33	37.50 x 33.00	42	TL	$7,201
(ANMJ6)	E-3	37.5-39	37.50 x 39.00	44	TL	$7,361
(ANMJ7)	E-3	37.5-39	37.50 x 39.00	52	TL	$7,763
E-3 ROCK SERVICE UMS 3A			***(Life = 2800hrs)***			
(ANMK2)	E-3	12.00-20	12.00 x 20.00	20	TT	$690
(ANMK4)	E-3	12.00-24	12.00 x 24.00	16	TT	$660
(ANMK3)	E-3	14.00-20	14.00 x 20.00	24	TT	$1,017
E-3 ROCK SERVICE WRL 3A			***(Life = 2800hrs)***			
(ANML1)	E-3	14.00-20	14.00 x 20.00	24	TT	$1,017
(ANML2)	E-3	14.00-24	14.00 x 24.00	24	TT	$1,130
E-4 ROCK SERVICE AMS4/5 A			***(Life = 5000hrs)***			
(ANMM1)	E-4	12.00-24	12.00 x 24.00	16	TT	$660
E-4 ROCK SERVICE HRL 4B			***(Life = 5000hrs)***			
(ANMN1)	E-4	16.00-25	16.00 x 25.00	28	TL	$1,698
(ANMN2)	E-4	18.00-25	18.00 x 25.00	32	TL	$2,774
(ANMN3)	E-4	18.00-33	18.00 x 33.00	32	TL	$2,895
(ANMN4)	E-4	21.00-35	21.00 x 35.00	36	TL	$4,056
(ANMN5)	E-4	24.00-35	24.00 x 35.00	36	TL	$5,176
(ANMN6)	E-4	27.00-49	27.00 x 49.00	42	TL	$9,285
(ANMN7)	E-4	27.00-49	27.00 x 49.00	48	TL	$8,132
(ANMN8)	E-4	30.00-51	30.00 x 51.00	46	TL	$13,414
(ANMN9)	E-4	36.00-51	36.00 x 51.00	58	TL	$22,971
E-4 ROCK SERVICE MRL 4B			***(Life = 5000hrs)***			
(ANMO1)	E-4	24.00-49	24.00 x 49.00	48	TL	$7,423
(ANMO2)	E-4	36.00-51	36.00 x 51.00	58	TL	$22,971
E-6 TOW SERVICE - RIB TOW SERVICE			***(Life = 3000hrs)***			
(ANMP1)		61/1800-25	18.00 x 25.00	44	TL	$2,862

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APPENDIX F
TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
E-7 FLOTATION TYPE SAND RIB SRB 7A			***(Life = 3000hrs)***			
(ANMQ1)	E-7	18.00-25	18.00 x 25.00	12	TL	$1,312
(ANMQ2)	E-7	18.00-25	18.00 x 25.00	16	TL	$1,444
(ANMQ6)	E-7	21.00-25	21.00 x 25.00	16	TL	$2,080
(ANMQ4)	E-7	24-20.5	24.00 x 20.50	16	TL	$1,700
(ANMQ10)	E-7	24-21	24.00 x 21.00	16	TT	$1,276
(ANMQ7)	E-7	29.5-25	29.50 x 25.00	28	TL	$3,942
(ANMQ8)	E-7	36.00-51	36.00 x 51.00	42	TL	$10,523
E-7 FLOTATION TYPE PAVER TIRE			***(Life = 3000hrs)***			
(ANMR1)	E-7	1600-24	16.00 x 24.00	12	TL	$1,011
G-1 RBG 1A			***(Life = 3200hrs)***			
(ANMS1)	G-1	1400-24	14.00 x 24.00	12	TL	$675
G-2 SGG2A			***(Life = 3200hrs)***			
(ANMT2)	G-2	12.00-24	12.00 x 24.00	8	TL	$393
(ANMT1)	G-2	13.00-20	13.00 x 20.00	10	TT	$375
(ANMT3)	G-2	13.00-24	13.00 x 24.00	10	TL	$404
(ANMT4)	G-2	13.00-24	13.00 x 24.00	12	TL	$443
(ANMT10)	G-2	13.00-24 SG	13.00 x 24.00	12	TL	$581
(ANMT5)	G-2	14.00-24	14.00 x 24.00	10	TL	$432
(ANMT6)	G-2	14.00-24	14.00 x 24.00	12	TL	$465
(ANMT8)	G-2	16.00-24	16.00 x 24.00	12	TL	$1,064
G-2 GRADER SMOOTH			***(Life = 3200hrs)***			
(ANMU1)	G-1	13.00-24	13.00 x 24.00	10	TL	$368
G-2 SGLDL 2A L2			***(Life = 3200hrs)***			
(ANMV2)	L-2/G-2	15.5-25	15.50 x 25.00	12	TL	$595
(ANMV1)	L-2/G-2	15.5-25	15.50 x 25.00	8	TL	$522
(ANMV3)	L-2/G-2	17.5-25	17.50 x 25.00	12	TL	$538
(ANMV4)	L-2/G-2	17.5-25	17.50 x 25.00	16	TL	$810
(ANMV5)	L-2/G-2	17.5-25	17.50 x 25.00	20	TL	$951
G-2 SGLEL 2A ES/L2/G2			***(Life = 3200hrs)***			
(ANMW1)	E-2/L-2	20.5-25	20.50 x 25.00	12	TL	$1,202
(ANMW2)	E-2/L-2	20.5-25	20.50 x 25.00	16	TL	$1,263
(ANMW4)	E-2/L-2	23.5-25	23.50 x 25.00	12	TL	$1,468
(ANMW5)	E-2/L-2	23.5-25	23.50 x 25.00	16	TL	$1,541
G-3 RKG 3A			***(Life = 3200hrs)***			
(ANMX1)	G-3	14.00-24	14.00 x 24.00	16	TL	$603
(ANMX2)	G-3	16.00-24	16.00 x 24.00	16	TL	$1,376

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APPENDIX F
TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
G-4 SGG-4B			***(Life = 3200hrs)***			
(ANMY1)	G-4	14.00-24	14.00 x 24.00	12	TL	$465
L-2 DOZER/LOADER SERVICE TRACTION SG LUG DL			***(Life = 3200hrs)***			
(ANNA1)	L-2	26.5-25	26.50 x 25.00	14	TL	$1,970
(ANNA2)	L-2	26.5-25	26.50 x 25.00	20	TL	$2,566
L-3 DOZER/LOADER SERVICE ROCK SERVICE E3/L3			***(Life = 3200hrs)***			
(ANNB1)	E/L-3	20.5-25	20.50 x 25.00	12	TL	$1,384
(ANNB2)	E/L-3	20.5-25	20.50 x 25.00	16	TL	$1,243
(ANNB4)	E/L-3	23.5-25	23.50 x 25.00	12	TL	$1,633
(ANNB5)	E/L-3	23.5-25	23.50 x 25.00	16	TL	$1,954
(ANNB6)	E/L-3	23.5-25	23.50 x 25.00	20	TL	$2,128
L-3 DOZER/LOADER SERVICE ROCK SHRL DL			***(Life = 3200hrs)***			
(ANNC1)	L-3	26.5-25	26.50 x 25.00	20	TL	$2,566
(ANNC2)	L-3	29.5-25	29.50 x 25.00	22	TL	$3,368
(ANNC3)	L-3	29.5-25	29.50 x 25.00	28	TL	$3,627
L-3 DOZER/LOADER SERVICE ROCK HRL DL 3A & 3F			***(Life = 3200hrs)***			
(ANND1)	L/G-3	15.5-25	15.50 x 25.00	12	TL	$621
(ANND2)	L/G-3	17.5-25	17.50 x 25.00	12	TL	$638
(ANND4)	L/G-3	17.5-25	17.50 x 25.00	20	TL	$951
(ANND6)	L-3	33.25-35	33.25 x 35.00	50	TL	$6,673
L-4 DOZER/LOADER SERVICE ROCK DEEP TREAD S			***(Life = 5000hrs)***			
(ANNE1)	L-4	23.5-25	23.50 x 25.00	20	TL	$2,789
(ANNE2)	L-4	26.5-25	26.50 x 25.00	20	TL	$2,566
(ANNE3)	L-4	29.5-25	29.50 x 25.00	22	TL	$3,992
(ANNE4)	L-4	29.5-25	29.50 x 25.00	28	TL	$4,299
(ANNE5)	L-4	29.5-29	29.50 x 29.00	28	TL	$4,505
L-4 DOZER/LOADER SERVICE ROCK DEEP TREAD H			***(Life = 5000hrs)***			
(ANNF1)	L-4	52/80-57	52.00 x 57.00	68	TL	$45,544
L-4 DOZER/LOADER SERVICE ROCK DEEP TREAD N			***(Life = 5000hrs)***			
(ANNG1)	L-4	35/65-33	35.00 x 33.00	24	TL	$5,892
(ANNG2)	L-4	35/65-33	35.00 x 33.00	30	TL	$7,008
L-5 DOZER/LOADER SERVICE ROCK SUPER XTRA T			***(Life = 8000hrs)***			
(ANNH1)	L-5	20.5-25	20.50 x 25.00	12	TL	$2,005
(ANNH2)	L-5	23.5-25	23.50 x 25.00	20	TL	$2,789
L-5 DOZER/LOADER SERVICE ROCK SUPER XTRA T			***(Life = 8000hrs)***			
(ANNJ1)	L-5	26.5-25	26.50 x 25.00	20	TL	$3,606
(ANNJ2)	L-5	29.5-25	29.50 x 25.00	22	TL	$4,909

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APPENDIX F
TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
(ANNJ4)	L-5	29.5-29	29.50 x 29.00	28	TL	$5,541
(ANNJ5)	L-5	37.25-35	37.25 x 35.00	42	TL	$9,506
L-5 DOZER/LOADER SERVICE ROCK SUPER XTRA T			***(Life = 8000hrs)***			
(ANNK1)	L-5	26.5-25	26.50 x 25.00	20	TL	$2,566
(ANNK2)	L-5	29.5-25	29.50 x 25.00	22	TL	$4,464
(ANNK4)	L-5	29.5-29	29.50 x 29.00	28	TL	$5,236
(ANNK5)	L-5	37.5-39	37.50 x 39.00	44	TL	$10,853
L-5 DOZER/LOADER SERVICE ROCK SUPER XTRA T			***(Life = 8000hrs)***			
(ANNL2)	L-5	35/65-33	35.00 x 33.00	30	TL	$7,286
(ANNL3)	L-5	40/65-39	40.00 x 39.00	30	TL	$12,728
(ANNL4)	L-5	41.25/70-39	41.25 x 39.00	34	TL	$10,612
(ANNL6)	L-5	45/65-45	45.00 x 45.00	38	TL	$12,822
(ANNL7)	L-5	45/65-45	45.00 x 45.00	46	TL	$14,302
(ANNL8)	L-5	50/65-51	50.00 x 51.00	62	TL	$32,123
L-5 DOZER/LOADER SERVICE ROCK SUPER XTRA T			***(Life = 8000hrs)***			
(ANNM1)	L-5	35/65-33	35.00 x 33.00	24	TL	$7,018
(ANNM2)	L-5	45/65-45	45.00 x 45.00	46	TL	$14,302
L-5 DOZER/LOADER SERVICE SMOOTH SMO SL5B			***(Life = 8000hrs)***			
(ANNN1)	L-5S	17.5-25	17.50 x 25.00	20	TL	$1,380
(ANNN3)	L-5	18.00-25	18.00 x 25.00	32	TL	$4,032
L-5 DOZER/LOADER SERVICE SMOOTH SUPER XTR			***(Life = 8000hrs)***			
(ANNO1)	L-5S	21.00-25	21.00 x 25.00	32	TL	$5,439
(ANNO2)	L-5S	26.5-25	26.50 x 25.00	26	TL	$4,299
(ANNO3)	L-5S	26.5-25	26.50 x 25.00	32	TL	$4,781
(ANNO4)	L-5S	29.5-25	29.50 x 25.00	28	TL	$6,214
L-5 DOZER/LOADER SERVICE SMOOTH NSM DL5B			***(Life = 8000hrs)***			
(ANNP1)	L-5S	35/65-33	35.00 x 33.00	24	TL	$7,488
(ANNP2)	L-5S	45/65-45	45.00 x 45.00	46	TL	$14,302
L-5 DOZER/LOADER SERVICE SMOOTH NYLOSTEEL			***(Life = 8000hrs)***			
(ANNQ1)	L-5	45/65-45	45.00 x 45.00	38	TL	$12,822
(ANNQ2)	L-5	45/65-45	45.00 x 45.00	46	TL	$14,302
INDUSTRIAL, SOLID						
SOLID, HIGH PERFORMANCE, OIL RESISTANT/STATI			***(Life = 5000hrs)***			
(EPPO5)		10-3-61/4	3.00 x 10.00		NO	$94
(EPPO4)		10-31/2-6	3.50 x 10.00		NO	$98
(EPPO18)		12-31/2-8	3.50 x 12.00		NO	$105
(EPPO23)		13-31/2-8	3.50 x 13.00		NO	$114

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APPENDIX F
TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
(EPPO25)		13-31/2-81/4	3.50 x 13.00		NO	$165
(EPPO32)		15-31/2-111/4	3.50 x 15.00		NO	$189
(EPPO1)		81/2-4-4	4.00 x 8.50		NO	$145
(EPPO6)		10-4-61/4	4.00 x 10.00		NO	$96
(EPPO10)		10-4-61/2	4.00 x 10.00		NO	$126
(EPPO3)		10-4- 5	4.00 x 10.00		NO	$167
(EPPO19)		12-4-8	4.00 x 12.00		NO	$111
(EPPO45)		16-4-121/8	4.00 x 16.00		NO	$128
(EPPO47)		161/4-4-111/4	4.00 x 16.25		NO	$122
(EPPO51)		161/4-4-111/2	4.00 x 16.25		NO	$210
(EPPO20)		12-41/2-8	4.50 x 12.00		NO	$109
(EPPO24)		13-41/2-8	4.50 x 13.00		NO	$119
(EPPO102)		13-41/2-8	4.50 x 13.00		NO	$146
(EPPO27)		131/2-41/2-8	4.50 x 13.50		NO	$118
(EPPO30)		14-41/2-8	4.50 x 14.00		NO	$133
(EPPO40)		16-41/2-101/2	4.50 x 16.00		NO	$162
(EPPO44)		16-41/2-12	4.50 x 16.00		NO	$164
(EPPO46)		16-41/2-121/8	4.50 x 16.00		NO	$182
(EPPO52)		17-41/2-121/8	4.50 x 17.00		NO	$169
(EPPO11)		10-43/4-61/2	4.75 x 10.00		NO	$97
(EPPO2)		9-5- 5	5.00 x 9.00		NO	$96
(EPPO12)		10-5-61/2	5.00 x 10.00		NO	$83
(EPPO101)		10-5-61/2	5.00 x 10.00		NO	$89
(EPPO7)		10-5-61/4	5.00 x 10.00		NO	$100
(EPPO13)		101/2-5-5	5.00 x 10.50		NO	$87
(EPPO15)		101/2-5-61/2	5.00 x 10.50		NO	$94
(EPPO26)		13-5-10	5.00 x 13.00		NO	$128
(EPPO31)		14-5-10	5.00 x 14.00		NO	$124
(EPPO33)		15-5-111/4	5.00 x 15.00		NO	$124
(EPPO38)		151/2-5-10	5.00 x 15.50		NO	$142
(EPPO41)		16-5-101/2	5.00 x 16.00		NO	$148
(EPPO48)		161/4-5-111/4	5.00 x 16.25		NO	$124
(EPPO53)		17-5-121/8	5.00 x 17.00		NO	$148
(EPPO56)		173/4-5-121/8	5.00 x 17.75		NO	$184
(EPPO58)		18-5-121/8	5.00 x 18.00		NO	$156
(EPPO63)		18-5-14	5.00 x 18.00		NO	$175
(EPPO68)		20-5-16	5.00 x 20.00		NO	$191
(EPPO73)		21-5-15	5.00 x 21.00		NO	$210
(EPPO110)		21-5-15	5.00 x 21.00		NO	$226
(EPPO79)		22-5-16	5.00 x 22.00		NO	$193
(EPPO21)		12-51/2-8	5.50 x 12.00		NO	$131
(EPPO28)		131/2-51/2-8	5.50 x 13.50		NO	$132
(EPPO8)		10-6-61/4	6.00 x 10.00		NO	$111

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APPENDIX F
TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
(EPPO16)		101/2-6-61/2	6.00 x 10.50		NO	$114
(EPPO14)		101/2-6-5	6.00 x 10.50		NO	$142
(EPPO34)		15-6-111/4	6.00 x 15.00		NO	$144
(EPPO39)		151/2-6-10	6.00 x 15.50		NO	$160
(EPPO42)		16-6-101/2	6.00 x 16.00		NO	$168
(EPPO103)		16-6-101/2	6.00 x 16.00		NO	$201
(EPPO49)		161/4-6-111/4	6.00 x 16.25		NO	$150
(EPPO104)		161/4-6-111/4	6.00 x 16.25		NO	$181
(EPPO54)		17-6-121/8	6.00 x 17.00		NO	$190
(EPPO57)		173/4-6-121/8	6.00 x 17.75		NO	$216
(EPPO59)		18-6-121/8	6.00 x 18.00		NO	$172
(EPPO64)		18-6-14	6.00 x 18.00		NO	$185
(EPPO106)		18-6-121/8	6.00 x 18.00		NO	$203
(EPPO69)		20-6-16	6.00 x 20.00		NO	$217
(EPPO74)		21-6-15	6.00 x 21.00		NO	$229
(EPPO111)		21-6-15	6.00 x 21.00		NO	$243
(EPPO80)		22-6-16	6.00 x 22.00		NO	$220
(EPPO89)		22-6-173/4	6.00 x 22.00		NO	$269
(EPPO22)		12-61/2-8	6.50 x 12.00		NO	$137
(EPPO29)		131/2-61/2-8	6.50 x 13.50		NO	$168
(EPPO9)		10-7-61/4	7.00 x 10.00		NO	$126
(EPPO17)		101/2-7-61/2	7.00 x 10.50		NO	$156
(EPPO35)		15-7-111/4	7.00 x 15.00		NO	$164
(EPPO43)		16-7-101/2	7.00 x 16.00		NO	$190
(EPPO50)		161/4-7-111/4	7.00 x 16.25		NO	$188
(EPPO105)		161/4-7-111/4	7.00 x 16.25		NO	$218
(EPPO55)		17-7-121/8	7.00 x 17.00		NO	$221
(EPPO60)		18-7-121/8	7.00 x 18.00		NO	$184
(EPPO107)		18-7-121/8	7.00 x 18.00		NO	$211
(EPPO65)		18-7-14	7.00 x 18.00		NO	$233
(EPPO70)		20-7-16	7.00 x 20.00		NO	$237
(EPPO75)		21-7-15	7.00 x 21.00		NO	$234
(EPPO112)		21-7-15	7.00 x 21.00		NO	$277
(EPPO81)		22-7-16	7.00 x 22.00		NO	$282
(EPPO90)		22-7-173/4	7.00 x 22.00		NO	$291
(EPPO94)		26-7-20	7.00 x 26.00		NO	$439
(EPPO36)		15-8-111/4	8.00 x 15.00		NO	$184
(EPPO61)		18-8-121/8	8.00 x 18.00		NO	$216
(EPPO66)		18-8-14	8.00 x 18.00		NO	$235
(EPPO108)		18-8-121/8	8.00 x 18.00		NO	$243
(EPPO71)		20-8-16	8.00 x 20.00		NO	$235
(EPPO76)		21-8-15	8.00 x 21.00		NO	$279
(EPPO113)		21-8-15	8.00 x 21.00		NO	$331

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APPENDIX F
TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
(EPPO82)		22-8-16	8.00 x 22.00		NO	$292
(EPPO115)		22-8-16	8.00 x 22.00		NO	$316
(EPPO91)		22-8-173/4	8.00 x 22.00		NO	$330
(EPPO37)		15-9-111/4	9.00 x 15.00		NO	$267
(EPPO67)		18-9-14	9.00 x 18.00		NO	$239
(EPPO62)		18-9-121/8	9.00 x 18.00		NO	$252
(EPPO109)		18-9-121/8	9.00 x 18.00		NO	$286
(EPPO72)		20-9-16	9.00 x 20.00		NO	$333
(EPPO77)		21-9-15	9.00 x 21.00		NO	$335
(EPPO114)		21-9-15	9.00 x 21.00		NO	$387
(EPPO83)		22-9-16	9.00 x 22.00		NO	$330
(EPPO116)		22-9-16	9.00 x 22.00		NO	$371
(EPPO84)		22-10-16	10.00 x 22.00		NO	$512
(EPPO92)		22-10-173/4	10.00 x 22.00		NO	$564
(EPPO95)		28-10-22	10.00 x 28.00		NO	$709
(EPPO99)		36-10-30	10.00 x 36.00		NO	$987
(EPPO85)		22-11-16	11.00 x 22.00		NO	$649
(EPPO78)		21-12-15	12.00 x 21.00		NO	$472
(EPPO86)		22-12-16	12.00 x 22.00		NO	$604
(EPPO96)		28-12-22	12.00 x 28.00		NO	$912
(EPPO100)		36-12-30	12.00 x 36.00		NO	$1,081
(EPPO87)		22-14-16	14.00 x 22.00		NO	$746
(EPPO93)		22-14-173/4	14.00 x 22.00		NO	$792
(EPPO97)		28-14-22	14.00 x 28.00		NO	$1,032
(EPPO88)		22-16-16	16.00 x 22.00		NO	$849
(EPPO98)		28-16-22	16.00 x 28.00		NO	$1,241
CONVEYOR/LOADER BELTING						
CONVEYOR BELTING (GOODYEAR WINGFOOT)			***(Life = 5000hrs)***			
(AZZA1)		Conveyor Belting	24.00 x 50.00	2	NO	$339
(AZZA2)		Conveyor Belting	24.00 x 60.00	2	NO	$405
(AZZA3)		Conveyor Belting	24.00 x 70.00	2	NO	$473
(AZZA4)		Conveyor Belting	24.00 x 80.00	2	NO	$542
(AZZA5)		Conveyor Belting	24.00 x 90.00	2	NO	$609
(AZZA6)		Conveyor Belting	24.00 x 100.00	2	NO	$676
(AZZA7)		Conveyor Belting	24.00 x 110.00	2	NO	$744
(AZZA8)		Conveyor Belting	24.00 x 120.00	2	NO	$812
(AZZA9)		Conveyor Belting	24.00 x 130.00	2	NO	$879
(AZZA10)		Conveyor Belting	24.00 x 140.00	2	NO	$947
(AZZA11)		Conveyor Belting	24.00 x 150.00	2	NO	$1,015
(AZZA12)		Conveyor Belting	30.00 x 50.00	2	NO	$423
(AZZA13)		Conveyor Belting	30.00 x 60.00	2	NO	$507
(AZZA14)		Conveyor Belting	30.00 x 70.00	2	NO	$592

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TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
(AZZA15)		Conveyor Belting	30.00 x 80.00	2	NO	$676
(AZZA16)		Conveyor Belting	30.00 x 90.00	2	NO	$761
(AZZA17)		Conveyor Belting	30.00 x 100.00	2	NO	$846
(AZZA18)		Conveyor Belting	30.00 x 110.00	2	NO	$930
(AZZA19)		Conveyor Belting	30.00 x 120.00	2	NO	$1,015
(AZZA20)		Conveyor Belting	30.00 x 130.00	2	NO	$1,099
(AZZA21)		Conveyor Belting	30.00 x 140.00	2	NO	$1,184
(AZZA22)		Conveyor Belting	30.00 x 150.00	2	NO	$1,268
(AZZA23)		Conveyor Belting	36.00 x 50.00	2	NO	$507
(AZZA24)		Conveyor Belting	36.00 x 60.00	2	NO	$609
(AZZA25)		Conveyor Belting	36.00 x 70.00	2	NO	$711
(AZZA26)		Conveyor Belting	36.00 x 80.00	2	NO	$812
(AZZA27)		Conveyor Belting	36.00 x 90.00	2	NO	$913
(AZZA28)		Conveyor Belting	36.00 x 100.00	2	NO	$1,015
(AZZA29)		Conveyor Belting	36.00 x 110.00	2	NO	$1,116
(AZZA30)		Conveyor Belting	36.00 x 120.00	2	NO	$1,218
(AZZA31)		Conveyor Belting	36.00 x 130.00	2	NO	$1,319
(AZZA32)		Conveyor Belting	36.00 x 140.00	2	NO	$1,420
(AZZA33)		Conveyor Belting	36.00 x 150.00	2	NO	$1,522
(AZZA34)		Conveyor Belting	42.00 x 50.00	2	NO	$592
(AZZA35)		Conveyor Belting	42.00 x 60.00	2	NO	$711
(AZZA36)		Conveyor Belting	42.00 x 70.00	2	NO	$828
(AZZA37)		Conveyor Belting	42.00 x 80.00	2	NO	$947
(AZZA38)		Conveyor Belting	42.00 x 90.00	2	NO	$1,065
(AZZA39)		Conveyor Belting	42.00 x 100.00	2	NO	$1,184
(AZZA40)		Conveyor Belting	42.00 x 110.00	2	NO	$1,302
(AZZA41)		Conveyor Belting	42.00 x 120.00	2	NO	$1,420
(AZZA42)		Conveyor Belting	42.00 x 130.00	2	NO	$1,539
(AZZA43)		Conveyor Belting	42.00 x 140.00	2	NO	$1,657
(AZZA44)		Conveyor Belting	42.00 x 150.00	2	NO	$1,775
(AZZA45)		Conveyor Belting	48.00 x 50.00	3	NO	$1,136
(AZZA46)		Conveyor Belting	48.00 x 60.00	3	NO	$1,363
(AZZA47)		Conveyor Belting	48.00 x 70.00	3	NO	$1,589
(AZZA48)		Conveyor Belting	48.00 x 80.00	3	NO	$1,817
(AZZA49)		Conveyor Belting	48.00 x 90.00	3	NO	$2,043
(AZZA50)		Conveyor Belting	48.00 x 100.00	3	NO	$2,271
(AZZA51)		Conveyor Belting	48.00 x 110.00	3	NO	$2,498
(AZZA52)		Conveyor Belting	48.00 x 120.00	3	NO	$2,725
(AZZA53)		Conveyor Belting	48.00 x 130.00	3	NO	$2,952
(AZZA54)		Conveyor Belting	48.00 x 140.00	3	NO	$3,179
(AZZA55)		Conveyor Belting	48.00 x 150.00	3	NO	$3,406
(AZZA56)		Conveyor Belting	60.00 x 50.00	4	NO	$2,649
(AZZA57)		Conveyor Belting	60.00 x 60.00	4	NO	$3,179

(1) TT = includes tube, TL = no tube, NO = no tube

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE *(1)*	COST PER EACH
(AZZA58)		Conveyor Belting	60.00 x 70.00	4	NO	$3,710
(AZZA59)		Conveyor Belting	60.00 x 80.00	4	NO	$4,239
(AZZA60)		Conveyor Belting	60.00 x 90.00	4	NO	$4,770
(AZZA61)		Conveyor Belting	60.00 x 100.00	4	NO	$5,300
(AZZA62)		Conveyor Belting	60.00 x 110.00	4	NO	$5,829
(AZZA63)		Conveyor Belting	60.00 x 120.00	4	NO	$6,359
(AZZA64)		Conveyor Belting	60.00 x 130.00	4	NO	$6,889
(AZZA65)		Conveyor Belting	60.00 x 140.00	4	NO	$7,419
(AZZA66)		Conveyor Belting	60.00 x 150.00	4	NO	$7,949

(1) TT = includes tube, TL = no tube, NO = no tube

APPENDIX G TIRE LIFE AND TIRE WEAR FACTORS

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 I through V, the Wheel Position Factor (WPF), the Grade Factor (GF) (for Drive Tires only) and the Miscellaneous Condition (MC). These factors provide a percentage reduction to the maximum tire life. See chapter 2 for tire cost methodology.

Condition Factors, Wheel Position Factors, Grade Factor, and Miscellaneous Condition are derived from the Caterpillar Performance Handbook.

The factors shown below are examples specifically for a rear dump wagon.

	Condition Factors (CF):		**Average**	**Severe**
I.	Maintenance		0.981	0.763
II.	Speed		0.872	0.763
III.	Curves		0.981	0.872
IV.	Surface Condition		0.981	0.763
V.	Loads		1.090	0.709
CF	***Product of the factors (I x II x III x IV x V)***		**0.897**	**0.275**
VI.	**Wheel Position Factors (WPF):**			
	WPF-FT	Front Tire (FT)	0.981	0.981
	WPF-DTR	Drive Tire (DT) - Rear Dump	0.818	0.709
	WPF-TT	Trailing Tire (TT)	1.090	1.090
VII.	**Grade Factor (GF)** (Drive Tires Only)		0.981	0.763
VIII.	**Miscellaneous Condition (MC)**		1.090	0.981

APPENDIX G
TIRE LIFE AND TIRE WEAR FACTORS (Continued)

SECTION I. TIRE WEAR FACTORS (Continued)

Example: Final Tire Wear Factors for Wagon, Rear Dump
(See Appendix D, Category W15)

	Average	Severe
Front Tire - Average = (CF = 0.897)(WPF-FT = 0.981)(MC = 1.090)	0.96	
Front Tire - Severe = (CF = 0.275)(WPF-FT = 0.981)(MC = 0.927)		0.60
Drive Tire - Average = (CF = 0.897)(WPF-DTR = 0.763)(GF = 0.981)(MC = 1.090)	0.78	
Drive Tire - Severe = (CF = 0.275)(WPF-DTR = 0.732)(GF = 0.763)(MC = 0.927)		0.15
Trailing Tire - Average = (CF = 0.897)(WPF-TT = 1.090)(MC = 1.090)	1.07	
Trailing Tire - Severe = (CF = 0.275)(WPF-TT = 1.090)(MC = 0.927)		0.29

SECTION II. MAXIMUM TIRE LIFE

Maximum tire life is used in the formula to determine tire wear cost and is located in Appendix F by type of tire.

APPENDIX H MANUFACTURER LIST

APPENDIX H
MANUFACTURER LIST

CODE	MANUFACTURER
A1	- ALLIED-GATOR, INC.
A2	- ASV INC.
A3	- AMERICAN PILEDRIVING EQUIPMENT, INC.
A4	- ATLAS COPCO WAGNER INC.
AA	- AMERICAN AUGERS, INC.
AB	- ALLMAND BROTHERS INC.
AC	- ACE ENTERPRISES
AD	- ACKER DRILL COMPANY INC.
AE	- AEROIL PRODUCTS COMPANY, INC.
AF	- AIRPLACO EQUIPMENT CO., INC.
AG	- ARROW-MASTER, INC.
AH	- AUTO CRANE CO.
AI	- AMIDA INDUSTRIES, INC.
AJ	- ALLEN ENGINEERING CORP.
AK	- TYLER EQUIPMENT CO.
AL	- ALLENTOWN EQUIPMENT
AM	- AMERICAN CRANE CORPORATION
AN	- ATLANTIC
AO	- ALKOTA CLEANING SYSTEMS, INC.
AP	- PECCO AND WOLFF TOWER CRANES
AQ	- AQUATICS UNLIMITED
AR	- AMERICAN ROAD MACHINERY, INC.
AS	- ATLAS COPCO COMPRESSORS INC.
AT	- ANDERSON MAVOR INC.
AU	- ALLIED CONSTRUCTION PRODUCTS
AV	- ALIVA LTD.
AW	- AIRMAN (HOKUETSU INDUSTRIES CO. LTD.)
AX	- AMERICAN COMPACTION EQUIPMENT, INC.
AY	- KOMLINE-SANDERSON ENGINEERING CO.
AZ	- ALLIS-CHALMERS CORP.
BA	- BADGER EQUIPMENT CO.
BB	- BASCO

APPENDIX H
MANUFACTURER LIST

CODE	MANUFACTURER
BC	- BOCK ENGINEERED PRODUCTS, INC.
BD	- BRODERSON MANUFACTURING CORPORATION
BE	- INGERSOLL RAND MATERIAL HANDLING
BF	- BENFORD
BG	- BARBER-GREENE COMPANY
BI	- BOR-IT MANUFACTURING COMPANY INC.
BJ	- BURKEEN MANUFACTURING CO.
BK	- BLAW KNOX CONSTRUCTION EQUIPMENT CORP.
BL	- US FILTER/BLASTRAC
BM	- BROCE MANUFACTURING COMPANY
BN	- BANDIT INDUSTRIES, INC.
BO	- COMPACTION AMERICA
BQ	- BELL EQUIPMENT NORTH AMERICA INC .
BR	- BROOKVILLE MINING EQUIPMENT CORP.
BS	- BALDERSON, INC.
BT	- BREAKER TECHNOLOGY INC.
BU	- BUSH HOG
BW	- BOWIE INDUSTRIES, INC.
BX	- BIL-JAX, INC.
C1	- COYOTE LOADER SALES, INC.
C2	- CARELIFT EQUIPMENT
C3	- TIME CONDOR CORPORATION
C4	- CATERPILLAR LIFT TRUCKS,
CA	- CATERPILLAR INC. (MACHINE DIVISION)
CB	- CONSOLIDATED BALING MACHINE COMPANY, INC
CC	- CEMEN TECH
CD	- CDS GROUP
CE	- ATHEY PRODUCTS CORPORATION
CF	- CGR COMPACTING
CG	- CHEMGROUT, INC.
CH	- CHAMPION ROAD MACHINERY - SUPERPAC CO.
CI	- CHIPMORE MANUFACTURING CO., INC.

APPENDIX H
MANUFACTURER LIST

CODE	MANUFACTURER
CJ	- COLD JET
CK	- CHICAGO PNEUMATIC TOOL CO.
CL	- CON-E-CO
CM	- CLEMCO INDUSTRIES CORPORATION
CN	- CT ENVIRONMENTAL SYSTEMS
CO	- COMPACTING TECHNOLOGIES INTERNATIONAL
CP	- CRISAFULLI PUMP
CQ	- CUSHION CUT, INC.
CR	- CAMLEVER
CS	- CASE CORPORATION
CT	- CLEVELAND TRENCHER
CU	- CUSCO INDUSTRIES
CV	- CONMACO, INC.
CW	- CMI CORPORATION - BID-WELL DIVISION
CX	- CMC (CONSTRUCTION MACHINERY COMPANY)
CY	- CENTRIC
CZ	- CLYDE IRON WORKS
DA	- ELCO INTERNATIONAL INC.
DD	- DELTA DREDGE & PUMP CORP.
DE	- DEMOLITION TECHNOLOGIES
DF	- DURA FLOAT
DG	- DAINONG HEAVY INDUSTRIES, INC.
DH	- DAEWOO HEAVY INDUSTRIES LTD.
DJ	- CATERPILLAR/DJB
DL	- PILECO, INC.
DO	- DOSCO CORPORATION
DR	- DRESSER MINING EQUIPMENT
DS	- DREDGING SUPPLY COMPANY (DSC)
DT	- DRILTECH, INC.
DW	- DITCH WITCH(The Charles Machine Works)I
DY	- DYNAPAC DIVISION - SVEDALA INDUSTRIES
EA	- EAGER BEAVER

APPENDIX H
MANUFACTURER LIST

CODE	MANUFACTURER
EC	- ELGIN SWEEPER COMPANY
EI	- EIMCO JARVIS CLARK
EJ	- CEDARAPIDS INC., A TEREX COMPANY
EL	- ELLICOTT MACHINE CORPORATION
EM	- EXCEL MACHINERY LTD.
EP	- ENVIRO-PAK
ES	- ESCO CORPORATION
ET	- E. D. ETNYRE & CO.
EU	- EUCLID INDUSTRIES, INC.
EX	- EXCEL INDUSTRIES, INC.
EZ	- E-Z DRILL, INC.
FC	- FERMEC NORTH AMERICA LTD., A TEREX CO.
FE	- FELKER
FG	- FINN CORPORATION
FH	- FRUEHAUF TRAILER CORPORAITON
FI	- FIATALLIS
FK	- FRANKLIN TREEFARMER
FL	- FLETCHER MINING EQUIPMENT
FN	- NEW HOLLAND NORTH AMERICA, INC.
FO	- FORD MOTOR COMPANY
FR	- FERGUSON MANUFACTURING & EQUIPMENT
FS	- FIVE STAR MANUFACTURING CO/ELGIN SWEEPER
FU	- FURUKAWA CO.,LTD.
GA	- GRADALL COMPANY
GB	- GAR-BRO MANUFACTURING COMPANY
GC	- GEHL COMPANY
GD	- GARDNER-DENVER INDUSTRIAL MACHINES
GE	- GENSCO AMERICA CO. LTD.
GF	- GRIFFIN DEWATERING CORP.
GH	- GEITH INC.
GI	- GALION DIVISION
GJ	- GENIE INDUSTRIES

APPENDIX H
MANUFACTURER LIST

CODE	MANUFACTURER
GL	- GARLOCK EQUIPMENT CO.
GM	- GMC AND CHEVROLET
GN	- GALION DUMP BODIES, INC.
GO	- GOMACO CORPORATION
GR	- GORMAN-RUPP COMPANY
GT	- GILCREST EQUIPMENT COMPANY
GV	- GROVE CRANES
GW	- GROVE MANLIFT
HA	- HAZCO SERVICES, INC.
HB	- HAWCO MANUFACTURING COMPANY, LLC
HC	- HAMM COMPACTORS, INC.
HD	- HYDRAULIC POWER SYSTEMS, INC.
HE	- HENDRIX MANUFACTURING COMPANY, INC.
HF	- HYDRA-MAC INTERNATIONAL, INC.
HH	- ESG MANUFACTURING H&H PUMP & DREDGE
HI	- HITACHI CONSTRUCTION MACHINERY
HM	- H&M VIBRO, INC.
HN	- HINO DIESEL TRUCKS (U.S.A.) INC.
HO	- HOMELITE, INC. (DEERE & COMPANY)
HP	- COMPACTION AMERICA
HQ	- HYPAC COMPACTION EQUIPMENT
HR	- HYDROCAL INC.
HU	- HYUNDAI CONSTRUCTION EQUIPMENT
HW	- HEWITT-ROBINS
HY	- HYSTER CO.
HZ	- HOFFCO-COMET
IA	- INGERSOLL RAND ROTARY-REC COMPRESSOR DIV
IB	- INGERSOLL RAND ROTARY DRILL DIV
IC	- INTERNATIONAL CONSTRUCTION EQUIPMENT,INC
ID	- KOMATSU DRESSER
IE	- IDEAL MANUFACTURING, INC.
IF	- INGERSOLL RAND PORTABLE COMPRESSOR DIV

APPENDIX H
MANUFACTURER LIST

CODE	MANUFACTURER
IG	- INGRAM MANUFACTURING CO.
IH	- NAVISTAR INTERNATIONAL TRANSPORTATION
IM	- INNOVATIVE MATERIAL SYSTEMS, INC. (IMS)
IN	- INGERSOLL RAND CO.
IP	- INGERSOLL RAND ROAD MACHINERY DIV
IR	- INGERSOLL RAND ROCK DRILL DIV
IS	- INSLEY DIVISION
IT	- NAVISTAR INTERNATIONAL CORPORATION
JC	- JCB INC.
JD	- DEERE & COMPANY
JE	- JCL EQUIPMENT CO.
JL	- JLG INDUSTRIES, INC.
JM	- JEFFREY MINING MACHINERY DIVISION
JO	- C. S. JOHNSON COMPANY
JR	- JRB COMPANY INC.
JS	- JOHNSTON SWEEPER COMPANY
KA	- KAWASAKI LOADERS, INC.
KB	- KOLBERG - PIONEER, INC
KC	- KOBELCO AMERICA INC.
KD	- K-D MANITOU, INC.
KE	- KENWORTH TRUCK COMPANY
KF	- KNAPHEIDE MANUFACTURING CO.
KH	- KOHLER COMPANY
KI	- KLEIN PRODUCTS, INC.
KK	- KEENE ENGINEERING INC.
KL	- KOLMAN / ATHEY DIV.
KM	- Komatsu America International Company
KN	- KENT DEMOLITION TOOLS
KO	- KOEHRING CRANES, INC.
KP	- KOCH-WATER
KR	- KORI CORPORATION
KU	- KUBOTA TRACTOR CORPORATION

APPENDIX H
MANUFACTURER LIST

CODE	MANUFACTURER
KW	- KERSHAW MFG., CO.
KZ	- KEIZER TECHNOLOGIES AMERICAS, INC
LA	- LAYTON MANUFACTURING COMPANY
LB	- LINK-BELT CONSTRUCTION EQUIPMENT CO.
LC	- LINCOLN ELECTRIC COMPANY
LD	- LEE-BOY
LE	- LELY PACIFIC, INC.
LG	- LITTLE GIANT CRANE & SHOVEL INC.
LH	- MORROW EQUIPMENT COMPANY, LLC
LI	- LINK-BELT CONSTRUCTION EQUIPMENT COMPANY
LK	- LIFTKING INDUSTRIES, INC.
LL	- OMNIQUIP, LULL
LN	- LONDON MACHINERY INC.
LO	- LORAIN CRANES DIVISION
LS	- LAKE SHORE MINING EQUIPMENT INC.
LU	- LABOUNTY MANUFACTURING,
LY	- BOART LONGYEAR COMPANY
LZ	- LIEBHERR CONSTRUCTION EQUIPMENT CO
M1	- MANITEX - MANITOWOC BOOM TRUCKS GROUP
M2	- MAULDIN - CALDER BROTHERS CORP.
M3	- MAYCO PUMP - MULTIQUIP INC.
MA	- MANITOWOC ENGINEERING CO.
MB	- M-B COMPANIES, INC.
MC	- VME NORTH AMERICA
MD	- MDI/YUTANI
ME	- MELROE COMPANY/BOBCAT
MF	- MF INDUSTRIAL
MG	- McMASTER-CARR
MH	- MITSUBISHI FUSO TRUCK OF AMERICA
MI	- MITSUBISHI CONSTRUCTION EQUIP.
MJ	- MILLER SPREADER CO.
MK	- MKT MANUFACTURING, INC.

APPENDIX H
MANUFACTURER LIST

CODE	MANUFACTURER
ML	- ITT MARLOW PUMPS
MM	- MACO-MUEDON
MN	- MAC CORPORATION
MO	- MORGEN MANUFACTURING CO.
MP	- MIDLAND MACHINERY CO
MQ	- MORBARK, INC.
MR	- FOREMOST MOBILE DRILLING COMPANY, INC.
MS	- MUSTANG UNITS COMPANY
MT	- MACK TRUCKS, INC.
MU	- MULTIQUIP, INC.
MV	- MAYVILLE ENGINEERING CO., INC.
MW	- M-B-W, INC.
MX	- MAXON INDUSTRIES
MY	- MIDLAND MANUFACTURING INC.
MZ	- MARINE INLAND FABRICATORS
NA	- NAGANO - LELY CORP.
NB	- NASCO EQUIPMENT CO. INC.
NC	- NATIONAL CRANE CORPORATION
NE	- NEAL MANUFACTURING COMPANY, INC
NI	- NIFTYLIFT INC. - USA
NL	- NLB CORPORATION
NO	- NORTHWEST ENGINEERING COMPANY
NP	- NPK CONSTRUCTION EQUIPMENT
OE	- OLIN ENGINEERING, INC.
OK	- O & K ORENSTEIN & KOPPEL INC.
OL	- OLYMPYK CHAIN SAWS
ON	- ONAN CORPORATION
PA	- PALFINGER INC.
PB	- PETTIBONE MICHIGAN LLC
PC	- GETMAN BROTHERS MFG. COMPANY
PE	- PETERBILT MOTORS COMPANY
PH	- P & H

APPENDIX H
MANUFACTURER LIST

CODE	MANUFACTURER
PI	- PIQUA ENGINEERING
PL	- PRO-LINE / ANVIL ATTACHMENTS
PN	- PEMBERTON, INC.
PO	- PROGRESSIVE DEVELOPMENT INC.
PP	- PACIFIC RUBBER
PR	- USFILTER PERRIN PRODUCTS
PS	- POWER CURBERS, INC.
PT	- PATENT CONSTRUCTION SYSTEMS
PU	- PUTZMEISTER INC.
PW	- POWERSCREEN INTERNATIONAL DISTRIBUTN LTD
PZ	- PACIFIC RUBBER
RA	- METSO MINERALS
RC	- ROSS COMPANY
RD	- REEDRILL, INC.
RE	- NORSTAR PRODUCTS INTERNATIONAL, INC.
RI	- REYNOLDS INTERNATIONAL, L.P.
RK	- RAPID MIX
RM	- ROME PLOW CO.
RN	- ALLIED SYSTEMS COMPANY (RANGER)
RO	- ROBBINS COMPANY
RQ	- REED MANUFACTURING
RR	- RAMMER - GR COSTRUTTORI - SANDVIK
RS	- ROSCO MANUFACTURING CO.
RT	- ROADTEC
RX	- RAMMAX MACHINERY CO.
S1	- STANLEY HYDRAULIC TOOLS
S2	- SCHRAMM, INC
S3	- CHAMPION ROAD MACHINERY - SUPERPAC CO.
S4	- SUPERIOR INDUSTRIES, AN ASTEC COMPANY
S5	- SOMAT WASTE REDUCTION TECHNOLOGY
SA	- SAUERMAN
SB	- SCAT TRAK - OMNIQUIP - TEXTRON INC.

APPENDIX H
MANUFACTURER LIST

CODE	MANUFACTURER
SC	- SCHWING AMERICA INC.
SD	- SIOUX STEAM CLEANER CORPORATION
SE	- SEALMASTER, INC.
SF	- SECO CORPORATION
SG	- STONE CONSTRUCTION EQUIPMENT, INC.
SH	- SHRED-TECH LIMITED
SI	- SAKAI AMERICA, INC.
SJ	- SKYJACK, INC.
SK	- LTV ENERGY PRODUCTS (SKAGIT)
SL	- SHUTTLELIFT, INC.
SM	- SEAARK MARINE
SN	- STEPHENS MANUFACTURING CO., INC.
SO	- SOUTHWEST CONSTRUCTION EQUIPMENT CO.
SP	- SPRAGUE AND HENWOOD
SQ	- SCHAEFF INC.
SR	- SULLAIR CORPORATION
SS	- SAMSUNG CONSTRUCTION EQUIPMENT AMERICA
ST	- STOW MANUFACTURING, INC.
SU	- SULLIVAN INDUSTRIES, INC.
SV	- SOMERO ENTERPRISES, INC.
SW	- SNORKEL
SX	- SELLICK EQUIPMENT LIMITED
SY	- SKY TRAK - OMNIQUIP - TEXTRON INC.
SZ	- STRATO-LIFT INTERNATIONAL CORP.
TA	- TAMPO MANUFACTURING CO., INC.
TB	- TERRAMITE CONSTRUCTION EQUIPMENT
TC	- TCM
TD	- TADANO AMERICA CORPORATION
TE	- TEREX CORPORATION
TF	- THOMAS EQUIPMENT LTD.
TG	- TIMBCO HYDRAULICS, INC.
TH	- TEEMARK CORPORATION

APPENDIX H
MANUFACTURER LIST

CODE	MANUFACTURER
TI	- TIMBERJACK, A JOHN DEERE COMPANY
TJ	- TRAMAC
TK	- TAKEUCHI MFG. (U.S.), LTD
TL	- BREAKER TECHNOLOGY, INC. (AN ASTEC CO.)
TM	- TESMEC USA, INC.
TO	- TORO
TR	- TEREX MINING
TS	- TELSMITH INC.
TT	- TRAIL KING INDUSTRIES, INC.
TV	- TRAVERSE LIFT CO.
UE	- UNDERGROUND EQUIPMENT & SUPPLY
UL	- UNIVERSAL ENGINEERING - SVEDALA - METSO
UN	- UNIT RIG
UP	- UPRIGHT INC.
VA	- VOEST-ALPINE
VB	- VIBROMAX AMERICA INC.
VE	- VERMEER MANUFACTURING CO.
VI	- VINCE HAGAN COMPANY
VO	- VOLVO CONSTRUCTION EQUIPMENT GROUP
VP	- VOGELE AMERICA - PRO-PAV DIV.
VS	- VALLEY SLURRY SEAL CO./SAUNCO AIR TECH.
VT	- VALMET - PARTEK FOREST LLC
VU	- VULCAN FOUNDATION EQUIPMENT, INC
WA	- HAULPAK DIVISION
WB	- WEBER MASCHINENTECHNIK GMBH
WC	- WACKER CORPORATION
WD	- WALDON, INC.
WE	- WEATHERFORD U.S. INC.
WF	- WATSON INC.
WG	- ATLAS COPCO WAGNER
WH	- WIGGINS LIFT CO., INC.
WI	- WILLMAR EQUIPMENT COMPANY

APPENDIX H
MANUFACTURER LIST

CODE	MANUFACTURER
WL	- WALKER MANUFACTURING CO., INC.
WN	- WAIN-ROY, INC.
WO	- WACO SCAFFOLDING & EQUIPMENT
WR	- WARNER FRUEHAUF TRAILER CO., INC.
WS	- WHITEMAN CONSPRAY, INC.
WT	- WIRTGEN AMERICAN, INC.
XX	- NO SPECIFIC MANUFACTURER
YA	- YANMAR DIESEL AMERICA CORP.
YB	- ADVANCED ENVIRONMENTAL SOLUTIONS
ZZ	- GENERIC EQUIPMENT

APPENDIX I FEDERAL COST-OF-MONEY RATE

APPENDIX I
FEDERAL COST-OF-MONEY RATE
(Renegotiation or Prompt Payment Rate)

EFFECTIVE MONTHS	EFFECTIVE DATE	RATE
July - December	7/1/76	8.500%
January - June	1/1/77	7.750%
July - December	7/1/77	7.875%
January - June	1/1/78	8.250%
July - December	7/1/78	9.000%
January - June	1/1/79	9.875%
July - December	7/1/79	10.250%
January - June	1/1/80	12.250%
July - December	7/1/80	10.500%
January - June	1/1/81	14.875%
July - December	7/1/81	14.875%
January - June	1/1/82	14.750%
July - December	7/1/82	15.500%
January - June	1/1/83	11.250%
July - December	7/1/83	11.500%
January - June	1/1/84	12.375%
July - December	7/1/84	14.375%
January - June	1/1/85	12.125%
July - December	7/1/85	10.375%
January - June	1/1/86	9.750%
July - December	7/1/86	8.500%
January - June	1/1/87	7.625%
July - December	7/1/87	8.875%
January - June	1/1/88	9.375%
July - December	7/1/88	9.250%
January - June	1/1/89	9.750%
July - December	7/1/89	9.125%
January - June	1/1/90	8.500%

APPENDIX I
FEDERAL COST-OF-MONEY RATE
(Renegotiation or Prompt Payment Rate)

EFFECTIVE MONTHS	EFFECTIVE DATE	RATE
July - December	7/1/90	9.000%
January - June	1/1/91	8.375%
July - December	7/1/91	8.500%
January - June	1/1/92	6.875%
July - December	7/1/92	7.000%
January - June	1/1/93	6.500%
July - December	7/1/93	5.625%
January- June	1/1/94	5.500%
July - December	7/1/94	7.000%
January - June	1/1/95	8.125%
July - December	7/1/95	6.375%
January - June	1/1/96	5.875%
July - December	7/1/96	7.000%
January - June	1/1/97	6.375%
July - December	7/1/97	6.750%
January - June	1/1/98	6.250%
July - December	7/1/98	6.000%
January - June	1/1/99	5.000%
July – December	7/1/99	6.500%
January – June	1/1/00	6.750%
July – December	7/1/00	7.250%
January – June	1/1/01	6.375%
July – December	7/1/01	5.875%
January – June	1/1/02	5.500%
July – December	7/1/02	5.250%
January – June	1/1/03	4.250%
July – December	7/1/03	3.125%
January – June	1/1/04	4.000%

APPENDIX I
FEDERAL COST-OF-MONEY RATE
(Renegotiation or Prompt Payment Rate)

EFFECTIVE MONTHS	EFFECTIVE DATE	RATE
July – December	7/1/04	4.500%
January – June	1/1/05	4.250%

The Department of the Treasury adjusts the CMR on or about 1 January and 1 July each year; these revisions are printed in the Federal Register or can be found on the Internet at http://www.publicdebt.treas.gov/opd/opdprmt2.htm.

APPENDIX J EQUIPMENT ACCESSORIES

APPENDIX J
EQUIPMENT ACCESSORIES

The following accessories are listed by category (CAT), subcategory (SUB), and description (including features required for safety). The 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.

CAT . SUB	DESCRIPTION
C85.10	**CRANES, DRAGLINE AND CLAMSHELL, CRAWLER MOUNTED**
	Power load lowering
	Independent swing and travel
	Third drum
	Torque converter [machines 1 1/2 cubic yard (cy) or larger]
	Approximately one-half maximum boom length
	Counterweight (standard)
	Fire extinguisher 5-B:C
	Swing and reverse signal (backup) alarm
	Boom angle indicator and a load-indicating device
	Drum rotation indicators
	Anti-two block (upper limit) devices
	Manufacturers' mandatory accessories
C85.20	**CRANES, LIFTING, CRAWLER MOUNTED**
	Power load lowering
	Independent swing and travel
	Third drum
	Torque converter (machines 25 tons or larger)
	One-half maximum boom length (machines less than 60 tons)
	Maximum boom length at 360 degree rating (machines larger than 60 tons)
	Counterweight (standard)
	Fire extinguisher 5-B:C
	Swing and reverse signal (backup) alarm
	Boom angle indicator and a load-indicating device
	Drum rotation indicators
	Anti-two block (upper limit) devices
	Manufacturers' mandatory accessories
	Hook block on machines larger than 100 tons
C90.01	**TRUCK CRANES - LESS THAN 25 TONS**
	Power load lowering
	Third drum
	Mechanical outriggers with screw jacks
	Maximum boom length at 360 degrees rating
C90.01	**TRUCK CRANES - LESS THAN 25 TONS** (Continued)

CAT . SUB	DESCRIPTION
	Counterweight (standard)
	Fire extinguisher 5-B:C
	Swing and reverse signal (backup) alarm
	Boom angle indicator and a load-indicating device
	Drum rotation indicators
	Anti-two block (upper limit) devices
	Manufacturers mandatory accessories
C90.02	**TRUCK CRANE - 25 TONS AND LARGER**
C90.03	Power load lowering
C90.04	Third drum
	Hydraulic outriggers with screw jacks
	Torque converter when available (upper only)
	Maximum boom length at 360 degrees rating
	Counterweight (standard)
	Fire extinguisher 5-B:C
	Reverse signal (backup) alarm
	Boom angle indicator and a load-indicating device
	Drum rotation indicators
	Anti-two block (upper limit) devices
	Hook block on machines larger than 100 tons
G15	**GRADER**
	Rollover protective structures (ROPS) with enclosed cab
	Ripper/scarifier, rear mounted
	Front wheel lean
	Power circle
	Hydraulic shift and tilt moldboard
	End bits
	Standard work lights
	Fire extinguisher 5-B:C
	Reverse signal (backup) alarm
H25	**EXCAVATORS, HYDRAULIC**
H30	Backhoe bucket (standard)
	Backhoe stick (medium length)
	Backhoe boom (one piece)
	Backhoe bucket linkage (with cylinder)
	Guards
	Counterweight
	Standard work lights
	Reverse signal (backup) alarm
	ROPS
	Fire extinguisher 5-B:C

CAT . SUB	DESCRIPTION
H35	**HYDRAULIC SHOVELS - CRAWLER MOUNTED**
	Torque converter (machines 1 1/2 cy or larger)
	Counterweight
	Reverse signal (backup) alarm
	ROPS
	Fire extinguisher 5-B:C
L30	**LOADERS, BELT (CONVEYOR BELTS)**
	Power unit
	Head pulley clutch and backstop
	Belt cleaner and belt installing equipment
	King pin attachments
L35	**LOADERS, 1 1/2 cy AND LARGER**
L40	Blower fan
	Guard, power train
	Automatic bucket positioner
	Standard counterweight
	Machines less than 7 cy: General purpose or excavating bucket with bolt on cutting edge and no teeth
	Machines 7 cy or larger: Rock bucket with bolt on cutting edge and teeth
	Standard work lights
	Reverse signal (backup) alarm
	ROPS
	Fire extinguisher 5-B:C
S10	**SCRAPERS**
S15	Control single lever
S20	Blower fan
	Standard work light
	Guards, power train
	Reverse signal (backup) alarm
	ROPS
	Fire extinguisher 5-B:C
	Supplemental steering
T15	**TRACTOR, CRAWLER**
	Hydraulic controls for ripper and blade
	Guards
	Blower fan
	Standard work lights
	Hook, front pull
	Track grousers (severe service for units over 200 hp)
	Counterweights where required

CAT . SUB	DESCRIPTION
	Reverse signal (backup) alarm
	ROPS
	Universal blade
T20	**TRACTOR, WHEEL**
	Hydraulic controls for ripper and blade
	Guards
	Blower fan
	Standard work lights
	Blade
	Fire extinguisher 5-B:C
	Counterweights when required
T25	**TRACTOR, AGRICULTURAL**
	Independent power take off (PTO)
	Standard work lights
	Fire extinguisher 5-B:C
	Counterweights when required
	3-point hitch
	ROPS
	Hydraulic system with controls
T55	**TRUCKS, OFF-HIGHWAY**
	No spin differential
	Tachograph
	Engine and transmission guards
	Body liners

APPENDIX K ACRONYMS

APPENDIX K

ACRONYMS

AVF	average value factor
bhp	brake horsepower
CAT	category
CENWW	U.S. Army Corps of Engineers, Walla Walla District
CMR	cost of money rate
cwt	hundredweight
D	diesel
DC	discount code
DEPR	depreciation
DT	drive tire
E	electricity
EAF	economic adjustment factor
EK	economic key
EP	Engineer Pamphlet
ER	Engineer Regulation
FAR	Federal Acquisition Regulation
EFAR	Engineer Federal Acquisition Regulation
FCCM	facilities capital cost of money
FOG	filters, oil, and grease
FT	front tire
G	gas
G&A	general and administrative
gal	gallon
GCW	gross combined weight
GVW	gross vehicle weight
hp	horsepower
HPF	horsepower factor
hr	hour
ID No.	identification number
IGE	Independent Government Estimate
kW	kilowatt
LAF	labor adjustment factor
lbs	pounds
LIFE	Chapter 1 economic life (probably should take this out)
N	number of years
PDF	portable document format
PTO	power take off
RCF	repair cost factor
RF	repair factor
ROPS	Rollover protective structures
RPR	repairs
SLV	salvage value

SUB	subcategory
TCI	tire cost index
TEV	total equipment value
TT	trailing tire
WHPY	working hours per year
wk	week
WLS	water, lube, and supplies
yr	year

APPENDIX L GROUND ENGAGING COMPONENT COSTS INCLUDED IN REPAIRS (RCF)

APPENDIX L

Ground Engaging Component Costs Included in Repairs (RCF)

CATEGORY	SUB	DESCRIPTION	EK	C	DC	LIFE	SLV		Blade cutting edges, wear plates, hard facing, and end plates		Bucket teeth, cutting edges, side cutters, and wear plates	Ripper tips and shank protection	Equipment Specific Wear Items	RCF
B15	0.00	BROOMS, STREET SWEEPERS & FLUSHERS	95	A	B	8,000	0.10		☐		☐	☐	☑	0.80
B25	0.00	BUCKETS, CLAMSHELL	15	A	B	8,000	0.10		☐		☑	☐	☐	0.70
B25	0.00	BUCKETS, CLAMSHELL	15	S	B	6,500	0.10		☐		☑	☐	☐	0.80
B35	0.00	BUCKETS, DRAGLINE	1						☐		☑	☐	☐	
B35	0.10	LIGHT WEIGHT	15	A	B	8,000	0.10		☐		☑	☐	☐	0.70
B35	0.10	LIGHT WEIGHT	15	S	B	6,500	0.10		☐		☑	☐	☐	0.80
B35	0.20	MEDIUM WEIGHT	15	A	B	9,000	0.10		☐		☑	☐	☐	0.70
B35	0.20	MEDIUM WEIGHT	15	S	B	7,000	0.10		☐		☑	☐	☐	0.80
B35	0.30	HEAVY WEIGHT	15	A	B	10,000	0.10		☐		☑	☐	☐	0.70
B35	0.30	HEAVY WEIGHT	15	S	B	8,000	0.10		☐		☑	☐	☐	0.80
G15	0.00	GRADERS, MOTOR	35	A	B	14,500	0.25		☑		☐	☑	☐	0.75
G15	0.00	GRADERS, MOTOR	35	S	B	13,500	0.25		☑		☐	☑	☐	0.85
H25	0.00	HYDRAULIC EXCAVATORS, CRAWLER MOUNTED	1						☐		☑	☐	☐	
H25	0.10	0 LBS THRU 12,500 LBS (COMPACT EXCAVATORS)	65	A	B	8,000	0.25		☐		☑	☐	☐	0.70
H25	0.10	0 LBS THRU 12,500 LBS (COMPACT EXCAVATORS)	65	S	B	7,000	0.25		☐		☑	☐	☐	0.80
H25	0.11	OVER 12,500 LBS THRU 40,000 LBS	65	A	B	8,500	0.25		☐		☑	☐	☐	0.70
H25	0.11	OVER 12,500 LBS THRU 40,000 LBS	65	S	B	7,000	0.25		☐		☑	☐	☐	0.85
H25	0.12	OVER 40,000 LBS THRU 100,000 LBS	65	A	B	12,000	0.25		☐		☑	☐	☐	0.80
H25	0.12	OVER 40,000 LBS THRU 100,000 LBS	65	S	B	10,000	0.25		☐		☑	☐	☐	0.95
H25	0.13	OVER 100,000 LBS THRU 160,000 LBS	65	A	B	16,000	0.25		☐		☑	☐	☐	1.00
H25	0.13	OVER 100,000 LBS THRU 160,000 LBS	65	S	B	13,500	0.25		☐		☑	☐	☐	1.10
H25	0.14	OVER 160,000 LBS	65	A	B	19,000	0.25		☐		☑	☐	☐	1.10
H25	0.14	OVER 160,000 LBS	65	S	B	15,000	0.25		☐		☑	☐	☐	1.25
H30	0.00	HYDRAULIC EXCAVATORS, WHEEL MOUNTED	1						☐		☑	☐	☐	

EK=Economic Key (Appendix E) **C=Operating Conditions (A=average, S=severe)** **DC=Discount Code (B=basic 7.5%, S=special 15%)**
LIFE=Economic Life **SLV=Salvage Value** **RCF=Repair Cost Factor**

Ground Engaging Component (GEC) is defined as those wear items on the machine that come in direct contact with in situ ground to perform the machines primary function. For machines with blades, GEC can include: cutting edges, wear plates, hard facing, and end plates. For machines with buckets, GEC can include: bucket teeth, cutting edges, side cutters, and wear plates. For machines with rippers, GEC can include: tips and shank protectors. Equipment Specific Wear items include those items of wear that are specific to that equipment. Not included in the Repairs and must be added as needed are: drill/bits, drill/steel, roadheader/rock breaking bits, air tools/breaker points/jackhammer points, concrete coring drill bits, and other wear items that are not shown here.

APPENDIX L

Ground Engaging Component Costs Included in Repairs (RCF)

CATEGORY	SUB	DESCRIPTION	EK	C	DC	LIFE	SLV		Blade cutting edges, wear plates, hard facing, and end plates		Bucket teeth, cutting edges, side cutters, and wear plates	Ripper tips and shank protection	Equipment Specific Wear Items	RCF
H30	0.01	0 THRU 1.0 CY	65	A	B	8,000	0.25		☐		☑	☐	☐	0.50
H30	0.01	0 THRU 1.0 CY	65	S	B	6,500	0.25		☐		☑	☐	☐	0.55
H30	0.02	OVER 1.0 CY	65	A	B	10,000	0.25		☐		☑	☐	☐	0.60
H30	0.02	OVER 1.0 CY	65	S	B	8,000	0.25		☐		☑	☐	☐	0.65
H35	0.00	HYDRAULIC SHOVELS, CRAWLER MOUNTED	1						☐		☑	☐	☐	
H35	0.11	DIESEL, 0 CY THRU 5.0 CY	65	A	B	14,000	0.20		☐		☑	☐	☐	1.00
H35	0.11	DIESEL, 0 CY THRU 5.0 CY	65	S	B	12,000	0.20		☐		☑	☐	☐	1.10
H35	0.12	DIESEL, OVER 5.0 CY	65	A	B	16,000	0.20		☐		☑	☐	☐	1.20
H35	0.12	DIESEL, OVER 5.0 CY	65	S	B	14,000	0.20		☐		☑	☐	☐	1.30
H35	0.21	ELECTRIC, OVER 2.5 CY	65	A	B	18,000	0.20		☐		☑	☐	☐	0.80
H35	0.21	ELECTRIC, OVER 2.5 CY	65	S	B	16,000	0.20		☐		☑	☐	☐	0.90
L35	0.00	LOADERS, FRONT END, CRAWLER TYPE	40	A	B	10,000	0.20		☐		☑	☐	☐	1.10
L35	0.00	LOADERS, FRONT END, CRAWLER TYPE	40	S	B	8,000	0.20		☐		☑	☐	☐	1.25
L40	0.00	LOADERS, FRONT END, WHEEL TYPE	1						☐		☑	☐	☐	
L40	0.11	ARTICULATED, 0 THRU 225 HP	45	A	B	9,250	0.25		☐		☑	☐	☐	0.70
L40	0.11	ARTICULATED, 0 THRU 225 HP	45	S	B	8,750	0.25		☐		☑	☐	☐	0.80
L40	0.12	ARTICULATED, OVER 225 HP	45	A	B	13,500	0.20		☐		☑	☐	☐	0.70
L40	0.12	ARTICULATED, OVER 225 HP	45	S	B	12,000	0.20		☐		☑	☐	☐	0.75
L40	0.20	SKID STEER	45	A	B	8,000	0.20		☐		☑	☐	☐	0.80
L40	0.31	TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP	45	A	B	10,000	0.25		☐		☐	☐	☑	0.85
L40	0.31	TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP	45	S	B	9,250	0.25		☐		☐	☐	☑	0.90
L40	0.32	TOOL CARRIER & TELESCOPIC HANDLERS, OVER 225 HP	45	A	B	12,000	0.15		☐		☐	☐	☑	0.85
L40	0.32	TOOL CARRIER & TELESCOPIC HANDLERS, OVER 225 HP	45	S	B	10,000	0.15		☐		☐	☐	☑	0.90
L45	0.00	LOADERS / BACKHOE, CRAWLER TYPE	40	A	B	8,000	0.20		☐		☑	☐	☐	1.35

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APPENDIX L

Ground Engaging Component Costs Included in Repairs (RCF)

CATEGORY	SUB	DESCRIPTION	EK	C	DC	LIFE	SLV		Blade cutting edges, wear plates, hard facing, and end plates		Bucket teeth, cutting edges, side cutters, and wear plates	Ripper tips and shank protection	Equipment Specific Wear Items	RCF
L45	0.00	LOADERS / BACKHOE, CRAWLER TYPE	40	S	B	6,000	0.20		☐		☑	☐	☐	1.40
L50	0.00	LOADERS / BACKHOE, WHEEL TYPE	45	A	B	10,000	0.25		☐		☑	☐	☐	0.80
L50	0.00	LOADERS / BACKHOE, WHEEL TYPE	45	S	B	6,000	0.25		☐		☑	☐	☐	0.85
L60	0.00	LOG SKIDDERS	75	A	B	10,000	0.15		☑		☐	☐	☑	0.70
L60	0.00	LOG SKIDDERS	75	S	B	8,000	0.15		☑		☐	☐	☑	0.80
P35	0.00	PIPELAYERS	70	A	B	14,000	0.20		☐		☐	☐	☑	0.95
P35	0.00	PIPELAYERS	70	S	B	11,500	0.20		☐		☐	☐	☑	1.10
R30	0.00	ROLLERS, STATIC, SELF-PROPELLED	1						☐		☐	☐	☑	
R30	0.03	TAMPING FOOT, LANDFILL & SOIL COMPACTORS	55	A	B	12,000	0.20		☐		☐	☐	☑	0.80
S10	0.00	SCRAPERS, ELEVATING	1						☐		☐	☐	☑	
S10	0.01	0 THRU 200 HP	60	A	B	10,000	0.20		☐		☐	☐	☑	0.90
S10	0.01	0 THRU 200 HP	60	S	B	8,000	0.20		☐		☐	☐	☑	1.00
S10	0.02	OVER 200 HP	60	A	B	13,000	0.25		☐		☐	☐	☑	0.95
S10	0.02	OVER 200 HP	60	S	B	11,500	0.25		☐		☐	☐	☑	1.00
S15	0.00	SCRAPERS, CONVENTIONAL	60	A	B	15,000	0.20		☐		☐	☐	☑	0.80
S15	0.00	SCRAPERS, CONVENTIONAL	60	S	B	12,500	0.20		☐		☐	☐	☑	0.85
S20	0.00	SCRAPERS, TANDEM POWERED	60	A	B	15,000	0.20		☐		☐	☐	☑	0.85
S20	0.00	SCRAPERS, TANDEM POWERED	60	S	B	13,500	0.20		☐		☐	☐	☑	0.90
S25	0.00	SCRAPERS, TRACTOR DRAWN	60	A	B	12,000	0.20		☐		☐	☐	☑	0.70
S25	0.00	SCRAPERS, TRACTOR DRAWN	60	S	B	10,000	0.20		☐		☐	☐	☑	0.75
T15	0.00	TRACTORS, CRAWLER (DOZER) (includes blade)	1						☑		☐	☐	☐	
T15	0.01	0 THRU 225 HP	70	A	B	10,000	0.30		☑		☐	☐	☐	1.10
T15	0.01	0 THRU 225 HP	70	S	B	8,000	0.30		☑		☐	☐	☐	1.25
T15	0.02	226 HP THRU 425 HP	70	A	B	12,500	0.25		☑		☐	☐	☐	1.20

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APPENDIX L

Ground Engaging Component Costs Included in Repairs (RCF)

CATEGORY	SUB	DESCRIPTION	EK	C	DC	LIFE	SLV		Blade cutting edges, wear plates, hard facing, and end plates		Bucket teeth, cutting edges, side cutters, and wear plates	Ripper tips and shank protection	Equipment Specific Wear Items	RCF
T15	0.02	226 HP THRU 425 HP	70	S	B	10,500	0.25		☑		☐	☐	☐	1.25
T15	0.03	OVER 425 HP	70	A	B	15,000	0.20		☑		☐	☐	☐	1.20
T15	0.03	OVER 425 HP	70	S	B	12,500	0.20		☑		☐	☐	☐	1.35
T20	0.00	TRACTORS, WHEEL TYPE (DOZER)	75	A	B	14,000	0.15		☑		☐	☐	☐	0.60
T20	0.00	TRACTORS, WHEEL TYPE (DOZER)	75	S	B	13,000	0.15		☑		☐	☐	☐	0.65

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D20 DRILLS, CORE, COLUMN MOUNTED (Add cost for drill steel and bit wear) 2-86
D25 DRILLS, CORE & DOWELLING (Add cost for drill steel and bit wear) 2-87
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