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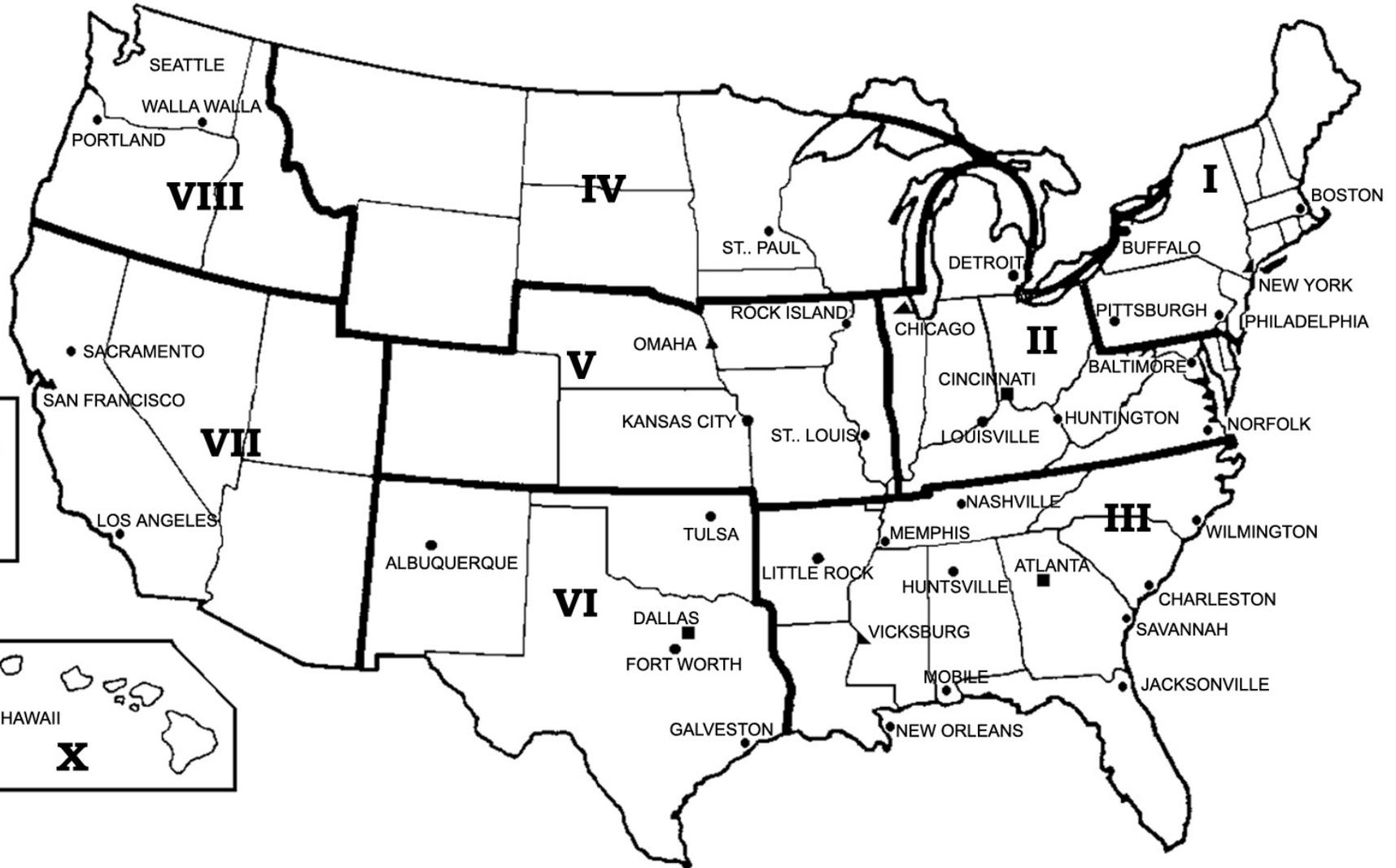
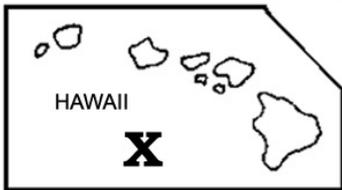
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Construction Equipment Ownership and Operating Expense Schedule

Region III



Regions for the Construction Equipment Ownership and Operating Expense Schedule



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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 and marine equipment. Expense factors for dredging plant and marine equipment are provided in chapter 4 for use in the development of rates associated with this type of equipment

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 III, which includes the following states:

Alabama	North Carolina
Arkansas	South Carolina
Florida	Tennessee
Georgia	
Louisiana	
Mississippi	
Missouri	

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

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

FOR THE COMMANDER:

11 Appendixes
(See Table of Contents)


for MICHAEL J. WALSH
Colonel, Corps of Engineers
Chief of Staff

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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 (see [figure 1-1](#)).

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 How to Obtain Assistance

If 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>.

1.3 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>.

1.4 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

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appendix A). For additional information, telephone 202-512-1800, fax 202-512-2250, or access on the Internet at <http://www.access.gpo.gov/>

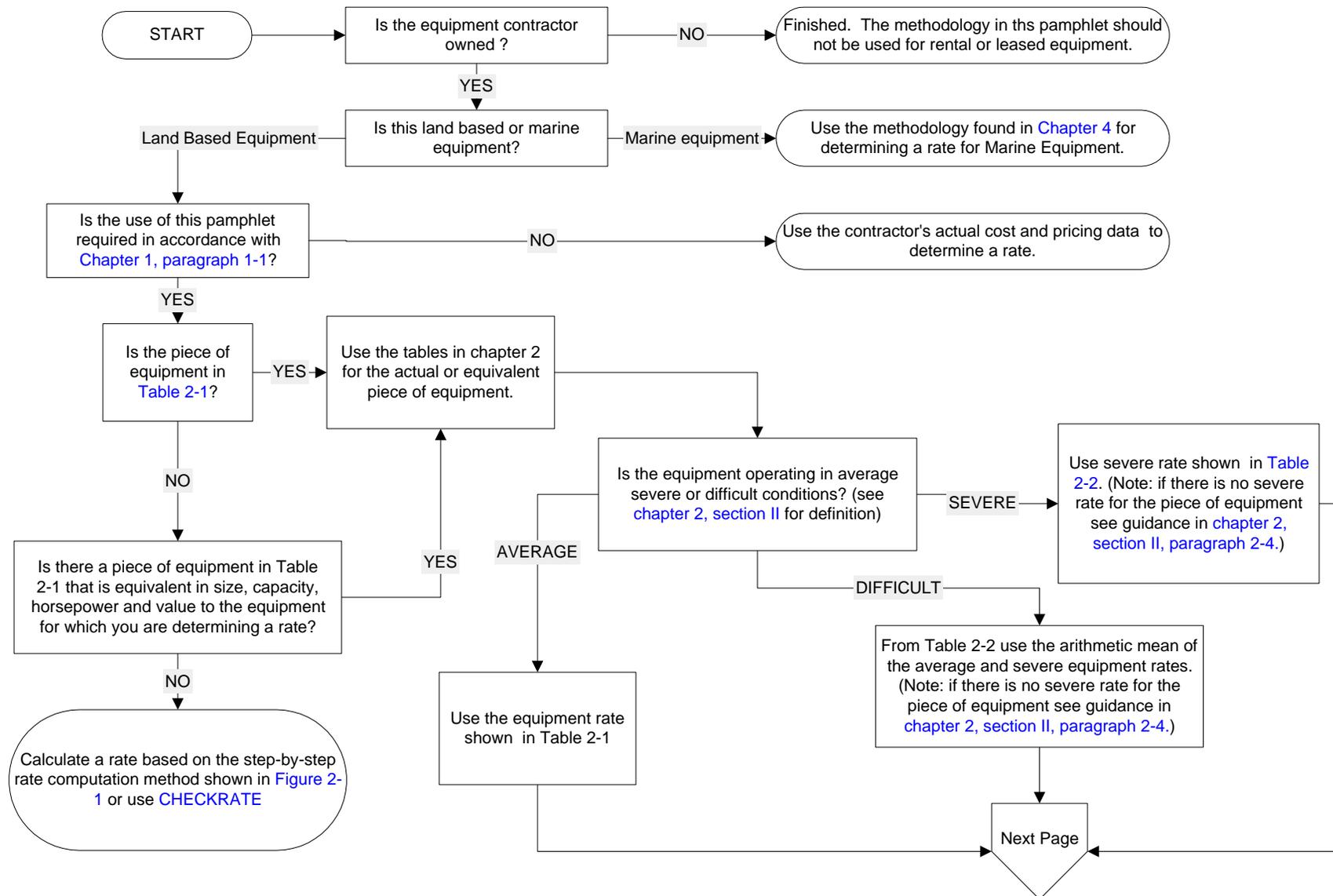


Figure 1-1. Methodology for Developing an Hourly Ownership and Operating Rate for Construction Equipment

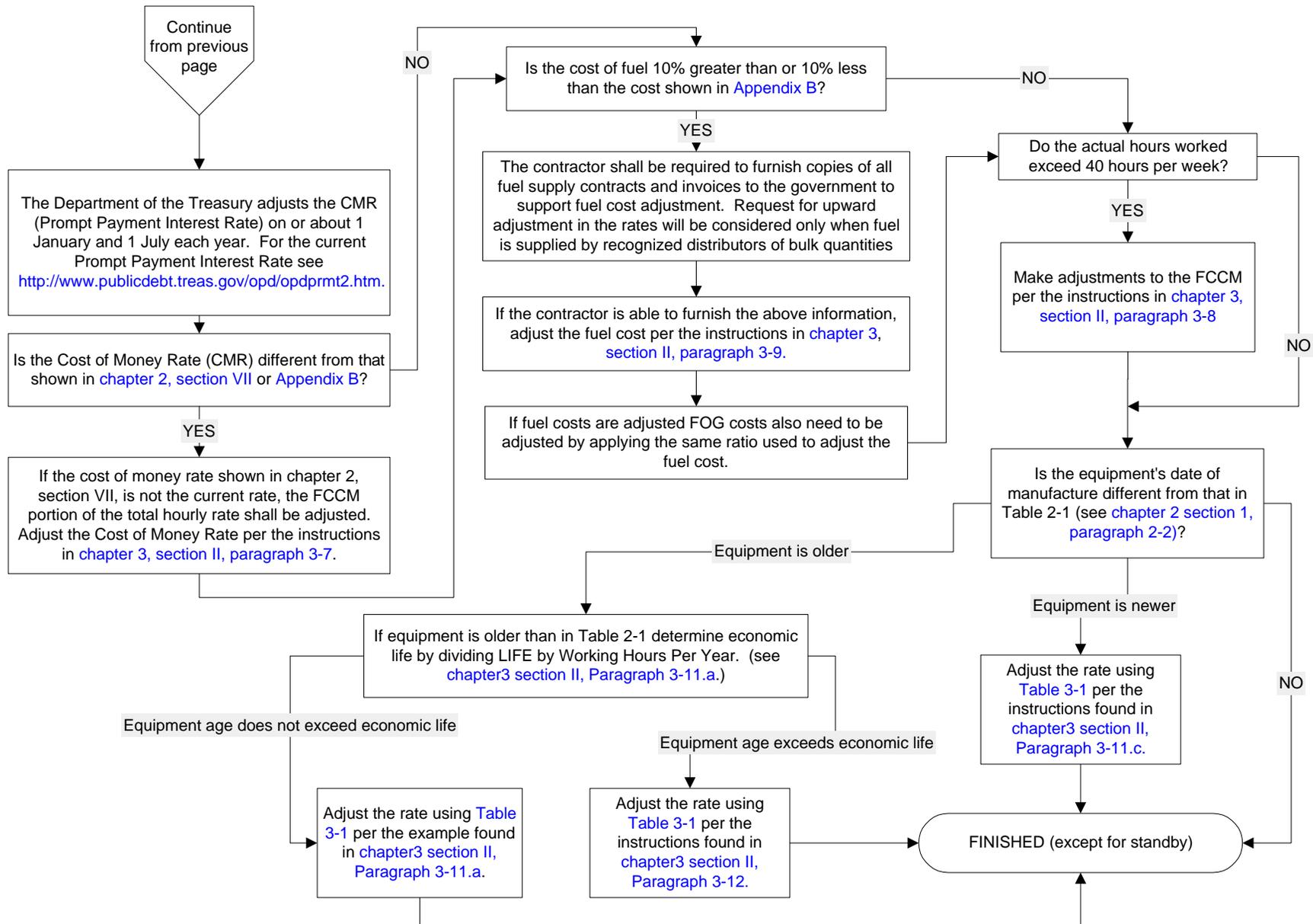


Figure 1-1. Methodology for Developing an Hourly Ownership and Operating Rate for Construction Equipment (Continued)

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 2000 (3 years old). List prices for equipment manufactured in years other than 2000 have been adjusted to 2000 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. If only the average rate is shown in [table 2-2](#), the rate will apply 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 + Accessories

The total list price includes those accessories normally purchased by the contractor plus required safety features. Some units of equipment may no longer be manufactured; they will continue to be included in this pamphlet as representative models until equivalent replacement units can be identified.

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 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:

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

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. 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. If tire costs based on the date of equipment manufacture are not known, present-year tire values are modified using the TCI. Estimated values for tires and conveyor belting, based on the date of the pamphlet, are provided in appendix F (this data is provided for information only). Since appendix F does not contain pricing information for all types and sizes of tires and belts, dealers should be contacted for any additional information.

(5) LIFE 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 2003 CMR [4.250 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 3.400 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) Average Value Factor (AVF) = $\frac{[(N - 1)(1 + \text{SLV})] + 2}{2N}$
- (2) Number of Years (N) in Depreciation Period = LIFE/WHPY
- (3) Discounted CMR = 4.250% (Jan – Jun 2003 rate) / 1.25 = 3.400%

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. If the unit of equipment has two engines, as in the case of a truck crane, this methodology treats each engine separately for fuel costs. The hourly fuel cost for each unit of equipment is shown under the column heading FUEL in [table 2-1](#) and [table 2-2](#). If the unit of equipment has no engine, no fuel cost will be shown. Hourly fuel costs are calculated for each engine, as expressed in the following formula:

$$\text{Fuel Cost/hr} = \text{Horsepower (hp)} \times \text{Fuel Cost/Gallon (gal)} \times \text{Fuel Factor (gal/bhp-hr)}$$

- 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:

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

Where:

(1) 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

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

a. 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 oils

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

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

Where:

(1) 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) LAF (labor adjustment factor) is a decimal factor used to adjust the FOG Factor to account for regional variations in labor and parts costs. This factor is provided in appendix B. LAF is also used to adjust the repair factor (RF) and the tire repair cost.

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

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:

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

- a. Repair Factor (RF). The repair factor is calculated as follows:

$$RF = RCF \times EAF \times LAF$$

Where:

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

(2) 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 the equipment was manufactured. Indexes listed in appendix E are used to develop the EAF. Economic indexes are determined as follows:

(a) Economic Index for the Present Year. 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. If the column for the present year has not been included, the index can be estimated using a straight-line projection.

(b) Economic Index for the Year of Manufacture. This is the economic index for the year the equipment was manufactured (can be determined from equipment serial numbers). 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. If 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). Refer to chapter 3 for rate adjustments.

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 Cost

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

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

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

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 and appendix G. 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.

b. **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:

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

c. Belt Cost for Equipment that Uses Conveyor Belts. 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 is shown in appendix F and appendix G, and belt cost is listed in appendix F.

SECTION IX. STANDBY HOURLY RATE

2.27 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:

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

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 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

2.28 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.

2. EQUIPMENT VALUE

a. List Price + Accessories: *[at Year of Manufacture]* = \$ 1,197,389.00

(1) Discount: (List Price + Accessories) x (Discount Code)
[1.c.(3)]
(\$1,197,389.00 + \$0.00) x (0.075) = (\$ 89,804.00)

(2) Subtotal [2.a.] – [2.a.(1)] Subtotal=\$ 1,107,585.00

(3) Sales or Import Tax: (Subtotal) x (Tax Rate)
[2.a.(2)] [Appendix B]
(\$1,107,585.00) x (8.20%) = +\$ 90,822.00

(4) Total Discounted Price: Subtotal: [2.a.(2)] + [2.a.(3)] Subtotal=\$ 1,198,407.00

b. Freight: (Shipping Weight) x (Freight Rate per cwt)
[1.a.(8)] [Appendix B]
(1913 cwt) x (\$5.32 /cwt) = +\$ 10,177.00

c. **TOTAL EQUIPOMENT VALUE (TEV):** TOTAL[2.] := \$ 1,208,584.00
[(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]
(20,000 hr) / (1,530 hr/yr) = 13.07

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]
(2,373) / (2,515) = 0.944 (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)]
[(\$1,208,584.00) x [1.0 - (0.20)] - [(0.944) x (\$10,560.00)] / (20,000 hr)
= \$ 47.84 /hr

Figure 2-1. Equipment Rate Computation Worksheet

4. OWNERSHIP COST (Continued)

b. Facilities Capital Cost of Money (FCCM):

$$(1) \quad \frac{[(N) - 1.0] \times [1.0 + (SLV)] + 2.0}{[2.0 \times (N)]} = \text{Avg Value Factor}$$

[3.a.]
[1.c.5.]
[3.a.]
[AVF]

$$[[(13.07 \text{ yr}) - 1.0] \times [1.0 + (0.20)] + 2.0] / [2.0 \times (13.07 \text{ yr})]$$

$$= \underline{\hspace{2cm}} \quad 0.631 \text{ (AVF)}$$

$$(2) \quad (TEV) \times (AVF) \times (\text{Adjusted Cost - of - Money}) / (WHPY)$$

[2.c]
[4.b.(1)]
[Appendix B]
[Appendix B]

$$(\$1,208,584.00) \times (0.631) \times (3.40\%) / (1,530 \text{ hr/yr})$$

$$= \$ \underline{\hspace{2cm}} \quad 16.95 \text{ /hr}$$

c. **TOTAL HOURLY OWNERSHIP COST:** **TOTAL [4.]:** $= \$ \underline{\hspace{2cm}} \quad 64.79 \text{ /hr}$
[4.a.(2)] + [4.b.(2)]

5. OPERATING COST

a. Fuel Costs:

(1) Equipment:

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

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

$$(0.026) \times (207 \text{ hp}) \times (\$1.34 / \text{gal}) = \$ \underline{\hspace{2cm}} \quad 7.21 \text{ /hr}$$

(2) Carrier:

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

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

$$(0.005) \times (430 \text{ hp}) \times (\$1.59 / \text{gal}) = \$ \underline{\hspace{2cm}} \quad 3.42 \text{ /hr}$$

(3) **Total Hourly Fuel Cost:** **Total [5.a.]** $= \$ \underline{\hspace{2cm}} \quad 10.63 \text{ /hr}$
[(5.a.(1)) + (5.a.(2))]

b. FOG Cost:

(1) Equipment:

$$(\text{FOG Factor}) \times (\text{Equipment Fuel Cost}) \times (\text{Labor Adjustment Factor (LAF)})$$

[1.c.(8)]
[5.a.(1)]
[Appendix B]

$$(0.276) \times (\$7.21 / \text{hr}) \times (0.83) = \$ \underline{\hspace{2cm}} \quad 1.65 \text{ /hr}$$

Figure 2-1. Equipment Rate Computation Worksheet

5. OPERATING COST (Continued)

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

(1) Front Tires (FT):

$$\frac{[1.5 \times (\text{FT Cost})]}{[1.8 \times (\text{FT Wear Factor}) \times (\text{Maximum Tire Life Hours})]}$$

[1.a.(9)(a)]
[1.c.(9)(a)]
[Appendix G]

$$[1.5 \times (\$3,520.00)] / [1.8 \times (0.97) \times (2,500) / \text{hr}]$$

$$= \$ \underline{\hspace{2cm}} \underline{1.21} \text{ /hr}$$

(2) Drive Tires (DT):

$$\frac{[1.5 \times (\text{DT Cost})]}{[1.8 \times (\text{DT Wear Factor}) \times (\text{Maximum Tire Life Hours})]}$$

[1.a.(9)(b)]
[1.c.(9)(b)]
[Appendix G]

$$[1.5 \times (\$7,040.00)] / [1.8 \times (0.78) \times (2,500) / \text{hr}]$$

$$= \$ \underline{\hspace{2cm}} \underline{3.01} \text{ /hr}$$

(3) Trailing Tires (TT):

$$\frac{[1.5 \times (\text{TT Cost})]}{[1.8 \times (\text{TT Wear Factor}) \times (\text{Maximum Tire Life Hours})]}$$

[1.a.(9)(c)]
[1.c.(9)(c)]
[Appendix G]

$$[1.5 \times (\$0.00)] / [1.8 \times (0) \times (0) / \text{hr}]$$

$$= \$ \underline{\hspace{2cm}} \underline{0.00} \text{ /hr}$$

(4) Total Tire Wear Cost:
[Sum 5.e.(1) through 5.e.(3)]

Total [5.e.] = \$ 4.22 /hr

f. Tire Repair Cost:

$$(\text{Total Tire Wear Cost}) \times 0.15 \times (\text{LAF})$$

[5.e.(4)]
[Appendix B]

$$(\$4.22 / \text{hr}) \times 0.15 \times (0.83)$$

Total [5.f.] = \$ 0.53 /hr

g. **TOTAL HOURLY OPERATING COST:**
[Sum 5.a. through 5.f.]

TOTAL [5.] = \$ 66.11 /hr

Figure 2-1. Equipment Rate Computation Worksheet

6. **HOURLY RATES**

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

(Ownership Cost) + (Operating Cost)

(\$64.79 /hr) + (\$66.11 /hr)

= \$ 130.90 /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.]

[(\$47.84 /hr) + [(\$16.95 /hr) x (40 hr/wk) / (60 hr/wk)] + (\$66.11 /hr)]

= \$ 125.25 /hr

c. Standby Hourly Rate:

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

[(\$47.84 /hr) x 0.50] + (\$16.95 /hr)

= \$ 40.87 /hr

See Chapter 3 if rate adjustments are necessary.

Figure 2-1. Equipment Rate Computation Worksheet

Table 2-1. Hourly Equipment Ownership and Operating Expense

EXPLANATION OF TABLE HEADINGS

Example unit of equipment: American Crane, Model 5530, 75 Ton, 170-boom.

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

ID No.: C90LI001 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 is the equipment model number.

EQUIPMENT DESCRIPTION: Specific information for each particular unit of equipment is described, such as "150 ton with a 280-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 2000.

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 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
A10	AGGREGATE / CHIP SPREADERS											
	SUBCATEGORY 0.10 SELF-PROPELLED											
	ROSCO MANUFACTURING CO.											
	A10RS003	SPR-H	CHIP SPREADER, SELF PROPELLED, 10.0 FT, 1.70 CY	152 HP	D-off	\$89,240	26.51	5.70	8.71	1.34	7.33	149
	A10RS004	SPR-H	CHIP SPREADER, SELF PROPELLED, 11.0 FT, 1.80 CY	152 HP	D-off	\$92,200	27.10	5.90	9.01	1.39	7.33	150
	A10RS005	SPR-H	CHIP SPREADER, SELF PROPELLED, 12.0 FT, 2.03 CY	152 HP	D-off	\$95,851	27.81	6.13	9.37	1.44	7.33	152
	A10RS006	SPR-H-H	CHIP SPREADER, SELF PROPELLED, 13.0 FT, 2.28 CY	152 HP	D-off	\$99,420	28.52	6.37	9.73	1.50	7.33	153
	A10RS007	SPR-H	CHIP SPREADER, SELF PROPELLED, 15.0 FT, 2.53 CY	152 HP	D-off	\$91,122	26.89	5.82	8.90	1.37	7.33	156
	A10RS008	SPREADPRO	CHIP SPREADER, SELF PROPELLED, 16.5 FT, 4.50 CY	215 HP	D-off	\$164,617	45.07	10.55	16.13	2.48	10.37	158
	SUBCATEGORY 0.20 TOWED & TAILGATE											
	AMERICAN ROAD MACHINERY, INC.											
	A10AR001	TG-505C	CHIP SPREADER, TAILGATE, 8' WIDE (ADD DUMP TRUCK)			\$3,827	0.90	0.32	0.51	0.06	0.00	5
	A10AR002	ODELL 900	CHIP SPREADER, TOWED, 8' WIDE (ADD DUMP TRUCK)			\$9,529	2.44	0.79	1.27	0.15	0.00	22
A15	AIR COMPRESSORS, PORTABLE											
	SUBCATEGORY 0.10 ROTARY SCREW											
	INGERSOLL RAND CO.											
	A15IA001	P175WJD	AIR COMPRESSOR, 175 CFM, 100 PSI (ADD HOSE)	56 HP	D-off	\$20,414	6.89	1.11	1.61	0.30	2.93	21
	A15IA002	HP300WCU	AIR COMPRESSOR, 300 CFM, 150 PSI (ADD HOSE)	110 HP	D-off	\$44,096	14.16	2.41	3.51	0.65	5.75	38
	A15IA003	VHP400WCU	AIR COMPRESSOR, 400 CFM, 200 PSI (ADD HOSE)	174 HP	D-off	\$52,787	19.72	2.87	4.18	0.78	9.09	53

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
A15	<i>INGERSOLL RAND CO. (continued)</i>											
	A15IA004	HP450WCU	AIR COMPRESSOR, 450 CFM, 150 PSI (ADD HOSE)	174 HP	D-off	\$52,787	19.72	2.87	4.18	0.78	9.09	53
	A15IA005	XP525WCU	AIR COMPRESSOR, 525 CFM, 125 PSI (ADD HOSE)	174 HP	D-off	\$52,787	19.72	2.87	4.18	0.78	9.09	53
	A15IA006	XHP650WCAT	AIR COMPRESSOR, 650 CFM, 350 PSI (ADD HOSE)	300 HP	D-off	\$116,467	38.02	6.32	9.22	1.71	15.68	136
	A15IA007	XHP750WCAT	AIR COMPRESSOR, 750 CFM, 300 PSI (ADD HOSE)	300 HP	D-off	\$122,158	38.92	6.63	9.68	1.79	15.68	136
	A15IA008	VHP825WCU	AIR COMPRESSOR, 825 CFM, 200 PSI (ADD HOSE)	335 HP	D-off	\$92,325	36.48	5.01	7.29	1.36	17.51	96
	A15IA009	XP1000WCAT	AIR COMPRESSOR, 1000 CFM, 125 PSI (ADD HOSE)	310 HP	D-off	\$92,381	34.87	5.01	7.30	1.36	16.20	104
	A15IA010	XHP1070WCAT	AIR COMPRESSOR, 1070 CFM, 350 PSI (ADD HOSE)	400 HP	D-off	\$164,803	52.18	8.97	13.09	2.42	20.90	152
	SULLAIR CORPORATION											
	A15SR006	125DPQJD	AIR COMPRESSOR, 125 CFM, 100 PSI (ADD HOSE)	76 HP	D-off	\$13,281	7.06	0.72	1.04	0.20	3.97	24
	A15SR007	130DPQJD	AIR COMPRESSOR, 130 CFM, 100 PSI (ADD HOSE)	77 HP	D-off	\$13,295	7.12	0.72	1.04	0.20	4.02	26
	A15SR004	185	AIR COMPRESSOR, 185 CFM, 100 PSI (ADD HOSE)	78 HP	D-off	\$14,247	7.35	0.77	1.12	0.21	4.08	24
	A15SR005	250	AIR COMPRESSOR, 250 CFM, 100 PSI (ADD HOSE)	80 HP	D-off	\$17,773	8.03	0.96	1.40	0.26	4.18	26
	A15SR008	375HDPQJD	AIR COMPRESSOR, 375 CFM, 150 PSI (ADD HOSE)	123 HP	D-off	\$29,157	12.65	1.58	2.29	0.43	6.43	42
	A15SR009	425DPQJD	AIR COMPRESSOR, 425 CFM, 100 PSI (ADD HOSE)	124 HP	D-off	\$29,157	12.72	1.58	2.29	0.43	6.48	42
	A15SR010	600HDTQCA	AIR COMPRESSOR, 600 CFM, 150 PSI (ADD HOSE)	230 HP	D-off	\$53,979	23.56	2.90	4.22	0.79	12.02	100
	A15SR011	750HHDTQCA	AIR COMPRESSOR, 750 CFM, 175 PSI (ADD HOSE)	300 HP	D-off	\$62,851	29.53	3.39	4.93	0.92	15.68	103
	A15SR002	900XH	AIR COMPRESSOR, 900 CFM, 350 PSI (ADD HOSE)	440 HP	D-off	\$124,054	48.36	6.71	9.78	1.82	22.99	157
	A15SR012	1050DTQCA	AIR COMPRESSOR, 1050 CFM, 100 PSI (ADD HOSE)	300 HP	D-off	\$61,824	29.37	3.34	4.85	0.91	15.68	105
	A15SR013	1200HDTQCA	AIR COMPRESSOR, 1200 CFM, 150 PSI (ADD HOSE)	440 HP	D-off	\$114,856	46.88	6.24	9.09	1.69	22.99	166

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
A15	<i>SULLAIR CORPORATION (continued)</i>											
	A15SR014	1500DTQCA	AIR COMPRESSOR, 1500 CFM, 100 PSI (ADD HOSE)	440 HP	D-off	\$115,101	46.97	6.21	9.03	1.69	22.99	172
	A15SR015	1900DTQCA	AIR COMPRESSOR, 1900 CFM, 100 PSI (ADD HOSE)	525 HP	D-off	\$124,152	53.95	6.70	9.75	1.82	27.44	164
	NO SPECIFIC MANUFACTURER											
	A15XX019	85G	AIR COMPRESSOR, 85 CFM, 100 PSI (ADD HOSE)	30 HP	G	\$8,941	5.79	0.48	0.70	0.13	3.40	14
	A15XX020	85D	AIR COMPRESSOR, 85 CFM, 100 PSI (ADD HOSE)	30 HP	D-off	\$12,450	3.94	0.67	0.98	0.18	1.57	24
	A15XX021	100G	AIR COMPRESSOR, 100 CFM, 100 PSI (ADD HOSE)	50 HP	G	\$11,903	9.13	0.64	0.93	0.17	5.66	16
	A15XX022	100D	AIR COMPRESSOR, 100 CFM, 125 PSI (ADD HOSE)	35 HP	D-off	\$13,861	4.48	0.75	1.09	0.20	1.83	15
	A15XX023	125G	AIR COMPRESSOR, 125 CFM, 100 PSI (ADD HOSE)	65 HP	G	\$12,668	11.44	0.69	0.99	0.19	7.36	20
	A15XX024	125D	AIR COMPRESSOR, 125 CFM, 125 PSI (ADD HOSE)	50 HP	D-off	\$14,629	5.57	0.79	1.15	0.21	2.61	23
	A15XX025	160G	AIR COMPRESSOR, 160 CFM, 125 PSI (ADD HOSE)	60 HP	G	\$13,425	10.84	0.73	1.05	0.20	6.80	23
	A15XX026	175D	AIR COMPRESSOR, 175 CFM, 100 PSI (ADD HOSE)	70 HP	D-off	\$17,875	7.39	0.97	1.41	0.26	3.66	27
	A15XX027	175G	AIR COMPRESSOR, 175 CFM, 125 PSI (ADD HOSE)	90 HP	G	\$14,415	15.34	0.78	1.13	0.21	10.19	24
	A15XX028	185D	AIR COMPRESSOR, 185 CFM, 100 PSI (ADD HOSE)	75 HP	D-off	\$18,366	7.81	1.00	1.45	0.27	3.92	27
	A15XX029	185G	AIR COMPRESSOR, 185 CFM, 125 PSI (ADD HOSE)	70 HP	G	\$15,391	12.61	0.84	1.21	0.23	7.93	23
	A15XX030	250	AIR COMPRESSOR, 250 CFM, 100 PSI (ADD HOSE)	95 HP	D-off	\$27,238	10.50	1.48	2.16	0.40	4.96	31
	A15XX031	300	AIR COMPRESSOR, 300 CFM, 125 PSI (ADD HOSE)	110 HP	D-off	\$31,680	12.19	1.73	2.51	0.47	5.75	34
	A15XX032	375	AIR COMPRESSOR, 375 CFM, 125 PSI (ADD HOSE)	112 HP	D-off	\$33,224	12.57	1.80	2.61	0.49	5.85	44
	A15XX033	450	AIR COMPRESSOR, 450 CFM, 125 PSI (ADD HOSE)	150 HP	D-off	\$40,909	16.29	2.19	3.18	0.60	7.84	89
	A15XX034	600	AIR COMPRESSOR, 600 CFM, 100 PSI (ADD HOSE)	200 HP	D-off	\$59,648	22.51	3.22	4.68	0.88	10.45	99

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
A15	NO SPECIFIC MANUFACTURER (continued)											
	A15XX035	750	AIR COMPRESSOR, 750 CFM, 125 PSI (ADD HOSE)	250 HP	D-off	\$63,592	26.39	3.43	4.99	0.93	13.07	101
	A15XX036	825	AIR COMPRESSOR, 825 CFM, 125 PSI (ADD HOSE)	310 HP	D-off	\$68,582	31.09	3.71	5.39	1.01	16.20	112
	A15XX037	900	AIR COMPRESSOR, 900 CFM, 125 PSI (ADD HOSE)	260 HP	D-off	\$75,369	28.92	4.08	5.94	1.11	13.59	99
	A15XX038	1200	AIR COMPRESSOR, 1200 CFM, 125 PSI (ADD HOSE)	325 HP	D-off	\$112,082	38.95	6.09	8.87	1.65	16.98	150
	A15XX039	1300	AIR COMPRESSOR, 1400 CFM, 125 PSI (ADD HOSE)	395 HP	D-off	\$117,205	44.35	6.35	9.26	1.72	20.64	180
	A15XX040	1600	AIR COMPRESSOR, 1600 CFM, 100 PSI (ADD HOSE)	425 HP	D-off	\$124,083	47.39	6.73	9.81	1.82	22.21	180
	SUBCATEGORY 0.20		SHOP TYPE									
	NO SPECIFIC MANUFACTURER											
	A15XX041	80/15	AIR COMPRESSOR, 15 CFM, 80 GAL (ADD HOSE)	5 HP	E	\$5,963	1.11	0.29	0.42	0.08	0.24	3
	A15XX042	80/25	AIR COMPRESSOR, 25 CFM, 80 GAL (ADD HOSE)	7 HP	E	\$6,305	1.30	0.32	0.45	0.09	0.34	3
	A15XX043	120/35	AIR COMPRESSOR, 35 CFM, 120 GAL (ADD HOSE)	10 HP	E	\$6,344	1.51	0.32	0.45	0.09	0.49	4
	A15XX044	120/55	AIR COMPRESSOR, 55 CFM, 120 GAL (ADD HOSE)	15 HP	E	\$7,798	2.04	0.39	0.55	0.11	0.73	4
	A15XX045	120/90	AIR COMPRESSOR, 90 CFM, 120 GAL (ADD HOSE)	25 HP	E	\$10,099	3.02	0.50	0.72	0.14	1.22	4
	A15XX046	120/112	AIR COMPRESSOR, 112 CFM, 120 GAL (ADD HOSE)	30 HP	E	\$11,231	3.52	0.56	0.80	0.16	1.46	5
A20	AIR HOSE, TOOLS & EQUIPMENT											
	SUBCATEGORY 0.10		AIR DRILL HOSE									
	NO SPECIFIC MANUFACTURER											
	A20XX001		AIR HOSE, 0.75", 100', HARDROCK			\$1,209	0.79	0.19	0.33	0.02	0.00	1
	A20XX002		AIR HOSE, 1.00", 100', HARDROCK			\$1,401	0.91	0.21	0.38	0.02	0.00	1
	A20XX003		AIR HOSE, 1.25", 100', HARDROCK			\$1,747	1.13	0.27	0.47	0.03	0.00	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
<i>A20</i>	<i>NO SPECIFIC MANUFACTURER (continued)</i>											
	A20XX004		AIR HOSE, 1.50", 100', HARDROCK			\$2,279	1.49	0.35	0.62	0.04	0.00	1
	A20XX005		AIR HOSE, 2.00", 100', HARDROCK			\$3,224	2.10	0.49	0.88	0.05	0.00	2
	A20XX006		AIR HOSE, 2.50", 100', HARDROCK			\$3,948	2.56	0.60	1.07	0.06	0.00	3
	A20XX007		AIR HOSE, 3.00", 100', HARDROCK			\$4,874	3.17	0.74	1.32	0.08	0.00	4
	A20XX008		AIR HOSE, 4.00", 100', HARDROCK			\$6,508	4.25	1.00	1.77	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			\$495	0.34	0.08	0.13	0.01	0.00	1
	A20CM018		SANDBLAST HOSE, 1.00"ID, 100' LONG USE AS SAND BLASTING ACCESSORY			\$656	0.45	0.10	0.18	0.01	0.00	1
	A20CM020		SANDBLAST HOSE, 1.25"ID, 100' LONG USE AS SAND BLASTING ACCESSORY			\$715	0.49	0.11	0.19	0.01	0.00	1
	A20CM019		SANDBLAST HOSE, 1.50"ID, 100' LONG USE AS SAND BLASTING ACCESSORY			\$811	0.55	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 PSI COMPRESSOR & BIT COSTS)	20 CFM	A	\$925	0.35	0.08	0.14	0.01	0.00	1
	A20CK001	CP-0014RR	ROTARY / CHIP HAMMER, 15 LB, AIR (ADD 30 PSI COMPRESSOR & BIT COSTS)	32 CFM	A	\$1,680	0.63	0.15	0.25	0.02	0.00	1
	A20CK003	CP-0022	ROCK DRILL, 30 LB, AIR (ADD 50 CFM COMPRESSOR & BIT COSTS)	56 CFM	A	\$1,844	0.70	0.17	0.28	0.03	0.00	1
	A20CK005	CP-0069	ROCK DRILL, 55 LB, AIR (ADD 140 CFM COMPRESSOR & BIT COSTS)	130 CFM	A	\$2,191	0.82	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	\$1,309	0.50	0.12	0.20	0.02	0.00	1
	A20CK008	CP-1230-S1.25	BREAKERS-FOUR BOLT, 60 LB (ADD 65 CFM COMPRESSOR & BIT COSTS)	63 CFM	A	\$1,346	0.51	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	\$1,486	0.56	0.13	0.22	0.02	0.00	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
CLEMCO INDUSTRIES CORPORATION												
A20CM010	PACKAGE TWO		SANDBLASTER, 2 CF CAP, W/ 0.50" X 25' HOSE (ADD 100 CFM COMPRESSOR & NOZZLE COST)	100 CFM	A	\$3,175	1.26	0.29	0.48	0.05	0.00	4
A20CM011	PACKAGE FOUR		SANDBLASTER, 4 CF CAP, W/ 1.00" X 25' HOSE (ADD 170 CFM COMPRESSOR & NOZZLE COST)	170 CFM	A	\$3,532	1.39	0.32	0.53	0.05	0.00	5
A20CM012	PACKAGE SIX		SANDBLASTER, 6 CF CAP, W/1.25" X 25' HOSE (ADD 200 CFM COMPRESSOR & NOZZLE COST)	200 CFM	A	\$3,840	1.58	0.35	0.58	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	\$16,293	6.31	1.41	2.33	0.24	0.00	30
A20CM014			SANDBLASTER, 120CF CAP, W/1.25"D X 50'L HOSE (ADD 700 CFM COMPRESSOR & NOZZLE COST)	700 CFM	A	\$19,281	7.42	1.60	2.63	0.28	0.00	35
A20CM015			SANDBLASTER, 160CF CAP, W/1.25"D X 50'L HOSE (ADD 900 CFM COMPRESSOR & NOZZLE COST)	900 CFM	A	\$20,652	8.10	1.76	2.90	0.31	0.00	45
A20CM016			SANDBLAST ABRASIVE STORAGE HOPPER, 700 CF, 8' DEEP, 10' WIDE & 23' HIGH (ADD SAND BLASTER & ACCESSORIES)			\$13,093	5.23	1.17	1.96	0.19	0.00	69
WACKER CORPORATION												
A20WC002	EHB 10/110		BREAKER/DRILL, 40 LB, ELECTRIC (ADD 2 KW GENERATOR & BIT COSTS)	2 HP	E	\$1,399	0.78	0.13	0.21	0.02	0.08	1
A20WC004	BHF 30S		BREAKER/DRIVER, 85 LB, W/POWER UNIT (ADD BIT COSTS)	4 HP	G	\$3,830	1.94	0.35	0.57	0.06	0.39	1
NO SPECIFIC MANUFACTURER												
A20XX021	STANDARD 25- 30 LBS		PAVEMENT BREAKER, 25-30 LB, HAND HELD	100 CFM	A	\$1,021	0.39	0.10	0.15	0.02	0.00	1
A20XX022	SILENCED 35-45 LBS		PAVEMENT BREAKER, 35-45 LB, HAND HELD	100 CFM	A	\$1,269	0.48	0.12	0.19	0.02	0.00	1
A20XX023	SILENCED 60-65 LBS		PAVEMENT BREAKER, 60-65 LB, HAND HELD	100 CFM	A	\$1,625	0.60	0.14	0.24	0.02	0.00	1
A20XX024	SILENCED 80-90 LBS		PAVEMENT BREAKER, 80-90 LB, HAND HELD	100 CFM	A	\$1,700	0.65	0.16	0.26	0.03	0.00	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
A20	<i>NO SPECIFIC MANUFACTURER (continued)</i>											
	A20XX025	55DRY	ROCK DRILL, DRY, 55 LB, HAND HELD	100 CFM	A	\$2,300	0.87	0.21	0.35	0.03	0.00	1
A25	ASPHALT PAVING DISTRIBUTORS											
	SUBCATEGORY 0.00 ASPHALT PAVING DISTRIBUTORS											
	ROSCO MANUFACTURING CO.											
	A25RS006	MAXIMIZER 11	ASPHALT DISTRIBUTOR, 2000 GAL, FOR TRUCK MTD (ADD 32,000 GVW TRUCK)			\$43,597	13.69	3.91	6.54	0.64	0.00	70
	A25RS008	MAXIMIZER 11	ASPHALT DISTRIBUTOR, 3100 GAL, FOR TRUCK MTD (ADD 42,000 GVW TRUCK)			\$50,228	16.23	4.51	7.53	0.74	0.00	97
	NO SPECIFIC MANUFACTURER											
	A25XX001	1100G	ASPHALT DISTRIBUTOR, 1100 GAL, 400 GPM, FOR TRUCK MTD (ADD 32,000 GVW TRUCK)			\$43,562	13.15	3.91	6.53	0.64	0.00	64
	A25XX002	2600G	ASPHALT DISTRIBUTOR, 2600 GAL, 400 GPM, FOR TRUCK MTD (ADD 32,000 GVW TRUCK)			\$50,896	16.13	4.57	7.63	0.75	0.00	89
	A25XX003	3600G	ASPHALT DISTRIBUTOR, 3600 GAL, 400 GPM, FOR TRUCK MTD (ADD 42,000 GVW TRUCK)			\$55,624	18.07	4.99	8.34	0.82	0.00	104
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	107 HP	D-off	\$209,572	54.75	14.00	21.88	3.06	5.16	224
	A30BG007	BG230	ASPHALT FINISHER, 8' WIDE SCREED, WHEEL, W/ 15' 6" SCREED EXTENSION	107 HP	D-off	\$264,776	68.90	17.74	27.75	3.86	5.16	335
	A30BG004	BG225C	ASPHALT FINISHER, 8' WIDE SCREED, CRAWLER, W/ 15' 6" SCREED EXTENSION	121 HP	D-off	\$276,437	72.10	18.72	29.37	4.03	5.84	360
	A30BG009	BG240C	ASPHALT PAVER, 10' WIDE SCREED, CRAWLER, W/ 19'6" SCREED EXTENSION	153 HP	D-off	\$296,196	77.74	19.74	30.83	4.32	7.38	449

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
A30	BARBER-GREENE COMPANY (continued)											
	A30BG005	BG245C	ASPHALT FINISHER, 10' WIDE SCREED, CRAWLER, W/ 19' 6" SCREED EXTENSION	173 HP	D-off	\$332,918	88.17	22.54	35.37	4.85	8.35	396
	A30BG003	BG260C	ASPHALT FINISHER, 10' WIDE SCREED, WHEEL, W/ 19' 6" SCREED EXTENSION	174 HP	D-off	\$311,317	83.98	20.60	32.12	4.54	8.39	323
	BLAW KNOX CONSTRUCTION EQUIPMENT CORP.											
	A30BK010	PF-150	ASPHALT PAVER/FINISHER, 8' WIDE SCREED, WHEEL	47 HP	D-off	\$135,573	34.19	9.05	14.13	1.98	2.27	154
	A30BK011	PF-161	ASPHALT PAVER/FINISHER, 8' WIDE SCREED, WHEEL	107 HP	D-off	\$218,802	56.86	14.62	22.86	3.19	5.16	210
	A30BK013	PF-3172	ASPHALT PAVER/FINISHER, 10' WIDE SCREED, WHEEL	145 HP	D-off	\$261,722	69.21	17.49	27.34	3.82	6.99	299
	A30BK015	PF-3200	ASPHALT PAVER/FINISHER, 10' WIDE SCREED, WHEEL	184 HP	D-off	\$301,312	80.73	20.10	31.41	4.39	8.88	340
	A30BK017	PF-5500	ASPHALT PAVER/FINISHER, 10' WIDE SCREED, CRAWLER	184 HP	D-off	\$318,151	83.95	21.54	33.80	4.64	8.88	340
	A30BK018	PF-5510	ASPHALT PAVER/FINISHER, 10' WIDE SCREED, CRAWLER	184 HP	D-off	\$323,328	85.13	21.89	34.35	4.71	8.88	320
	A30BK019	RW 100 A	ASPHALT PAVER, SHOULDER PAVING MACHINE, 1'-10' WIDE, BITUMINOUS & AGGREGATE, WHEEL	105 HP	D-off	\$194,374	50.91	13.04	20.41	2.83	5.07	245
	A30BK020	RW 195 D	ASPHALT PAVER, SHOULDER PAVING MACHINE, 2'-10' WIDE, BITUMINOUS & AGGREGATE, WHEEL	173 HP	D-off	\$250,611	67.94	16.85	26.39	3.65	8.35	330
	A30BK021	TITAN 325 EPM	ASPHALT PAVER, 32.8' WIDE, CRAWLER W/ DUAL TAMPER SCREED	176 HP	D-off	\$572,047	141.62	38.73	60.78	8.34	8.49	399
	A30BK022	PF-2181	ASPHALT PAVER, 8' WIDE SCREED, WHEEL, 2 WHEEL DRIVE, 182 CF HOPPER	145 HP	D-off	\$244,881	65.35	16.35	25.55	3.57	6.99	283
	A30BK023	PF-4410	ASPHALT PAVER, 8' WIDE SCREED, CRAWLER, 155 CF HOPPER	145 HP	D-off	\$272,132	71.05	18.43	28.91	3.97	6.99	269
	CATERPILLAR INC. (MACHINE DIVISION)											
	A30CA001	AP-200B	ASPHALT PAVER, 3-12' WIDE PAVING RANGE, CRAWLER, 6 TON HOPPER	35 HP	D-off	\$55,053	14.72	3.73	5.85	0.80	1.69	96
	A30CA013	AP-650B	ASPHALT PAVER, 8' WIDE SCREED, CRAWLER, 177 CF HOPPER	121 HP	D-off	\$258,021	66.38	17.47	27.41	3.76	5.84	328
	A30CA002	AP-800C	ASPHALT PAVER, 10' WIDE PAVEMASTER SCREED, WHEEL, 195 CF HOPPER	107 HP	D-off	\$244,677	62.95	16.34	25.54	3.57	5.16	318

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	FUEL TYPE			2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	
				MAIN	CARRIER							
<i>A30</i>	<i>CATERPILLAR INC. (MACHINE DIVISION)</i> <i>(continued)</i>											
	A30CA014	AP-900B	ASPHALT PAVER, 10' WIDE SCREED, WHEEL, 215 CF HOPPER	153 HP	D-off	\$269,368	71.60	17.92	27.98	3.93	7.38	377
	A30CA008	AP-1000B	ASPHALT PAVER, 10' - 12' WIDE PAVEMASTER SCREED, WHEEL, 215 CF HOPPER	174 HP	D-off	\$292,583	78.13	19.53	30.52	4.27	8.39	414
	A30CA015	AP-1050B	ASPHALT PAVER, 10' WIDE EXTEND-A-MAT SCREED, CRAWLER, 215 CF HOPPER	174 HP	D-off	\$341,686	88.73	23.13	36.30	4.98	8.39	415
	A30CA016	AP-1055B	ASPHALT PAVER, 10' WIDE SCREED, CRAWLER, 215 CF HOPPER	174 HP	D-off	\$336,118	87.45	22.76	35.71	4.90	8.39	412
	A30CA009	AP-1050B	ASPHALT PAVER, 10' - 24' WIDE PAVEMASTER SCREED, CRAWLER, 215 CF HOPPER	175 HP	D-off	\$357,701	92.46	24.22	38.01	5.21	8.44	443
	VOGELE AMERICA - PRO-PAV DIV.											
	A30CH001	780WB	ASPHALT PAVER, 8'0" WIDE SCREED, WHEEL, 190 CF HOPPER	110 HP	D-off	\$240,470	62.03	16.10	25.17	3.51	5.31	265
	A30CH002	880WB	ASPHALT PAVER, 8'0" WIDE SCREED, WHEEL, 190 CF HOPPER	152 HP	D-off	\$262,282	69.76	17.52	27.40	3.82	7.33	315
	A30CH003	880RTB	ASPHALT PAVER, 8'0" WIDE SCREED, CRAWLER-RUBBER TRACK, 190 CF HOPPER	152 HP	D-off	\$264,139	69.64	17.88	28.06	3.85	7.33	282
	A30CH004	1010WB	ASPHALT PAVER, 10'0" WIDE SCREED, WHEEL, 205 CF HOPPER	152 HP	D-off	\$276,531	73.03	18.46	28.86	4.03	7.33	305
	A30CH005	1110WB	ASPHALT PAVER, 10'0" WIDE SCREED, WHEEL, 225 CF HOPPER	173 HP	D-off	\$301,732	80.22	20.13	31.46	4.40	8.35	343
	A30CH006	1110RTB SWIFTRACK	ASPHALT PAVER, 10'0" WIDE SCREED, CRAWLER-RUBBER TRACK, 225 CF HOPPER	200 HP	D-off	\$352,158	92.70	23.84	37.42	5.13	9.65	402
	CEDARAPIDS INC., A TEREX COMPANY											
	A30EJ001	CR351	ASPHALT PAVER, 8'0" WIDE FASTACH SCREED, WHEEL, 145 CF HOPPER	130 HP	D-off	\$202,496	54.54	13.51	21.12	2.95	6.27	263
	A30EJ002	CR361	ASPHALT PAVER, 8'0" WIDE FASTACH SCREED, CRAWLER, 145 CF HOPPER	130 HP	D-off	\$225,739	59.52	15.28	23.98	3.29	6.27	253
	A30EJ003	CR451	ASPHALT PAVER, 10'0" WIDE FASTACH SCREED, WHEEL, 229 CF HOPPER	172 HP	D-off	\$236,201	65.16	15.64	24.40	3.44	8.30	315
	A30EJ004	CR461	ASPHALT PAVER, 10'0" WIDE FASTACH SCREED, CRAWLER, 219 CF HOPPER	172 HP	D-off	\$260,600	70.04	17.65	27.69	3.80	8.30	356
	A30EJ005	CR551	ASPHALT PAVER, 10'0" WIDE FASTACH SCREED, WHEEL, 267 CF HOPPER	172 HP	D-off	\$264,618	71.60	17.19	26.65	3.86	8.30	341

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
A30	CEDARAPIDS INC., A TEREX COMPANY (continued)											
	A30EJ006	CR561	ASPHALT PAVER, 10'0" WIDE FASTACH SCREED, CRAWLER, 267 CF HOPPER	172 HP	D-off	\$289,063	76.55	19.57	30.71	4.21	8.30	389
	GEHL COMPANY											
	A30GC001	1438	ASPHALT PAVER, 8'0" WIDE SCREED, WHEEL	25 HP	G	\$29,099	10.06	1.95	3.06	0.42	2.64	64
	A30GC002	1448	ASPHALT PAVER, 8'0" WIDE SCREED, WHEEL	25 HP	D-off	\$32,231	8.92	2.17	3.40	0.47	1.21	67
	A30GC003	1639	ASPHALT PAVER, 9'0" WIDE SCREED, CRAWLER	25 HP	G	\$40,935	12.76	2.78	4.35	0.60	2.64	84
	A30GC004	1649	ASPHALT PAVER, 9'0" WIDE SCREED, CRAWLER	41 HP	D-off	\$44,342	12.63	3.01	4.71	0.65	1.98	85
	SUBCATEGORY 0.20 TOWED											
	MIDLAND MANUFACTURING INC.											
	A30MY001	SP-8	ASPHALT PAVER, SHOULDER PAVING MACHINE, 1'-8" WIDE, BITUMINOUS & AGGREGATE, WHEEL	80 HP	D-off	\$119,531	24.01	6.54	9.56	1.76	3.54	185
	A30MY002	SP-10	ASPHALT PAVER, SHOULDER PAVING MACHINE, 1'-10" WIDE, BITUMINOUS & AGGREGATE, WHEEL	100 HP	D-off	\$155,148	30.95	8.49	12.41	2.28	4.42	275
	SUBCATEGORY 0.30 SLURRY SEAL PAVERS (Cold mix)											
	NO SPECIFIC MANUFACTURER											
	A30XX001	MINIMAC	ASPHALT PAVER, SLURRY SEAL PAVER 8' WIDE, SELF PROPELLED	110 HP	D-off	\$132,847	22.14	6.27	8.70	1.92	4.57	130
	A30XX002	MACROPAVER 12B	ASPHALT PAVER, SLURRY SEAL PAVER 8' WIDE (ADD 40,000 GVW TRUCK)	110 HP	D-off	\$152,062	23.89	7.27	10.14	2.20	4.57	175

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
	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)	184 HP	D-off	\$283,549	56.88	15.40	22.46	4.17	8.14	430
	CATERPILLAR INC. (MACHINE DIVISION)											
	A30CA007	BG-650	ASPHALT PAVER, ASPHALT WINDROW ELEVATOR, WHEEL (ADD ASPHALT PAVER UNIT)	107 HP	D-off	\$109,159	23.94	5.91	8.61	1.60	4.73	171
	LEE-BOY											
	A30LD001	3000	ASPHALT PAVER, ASPHALT FORCE FEED LOADER, 30" WIDE BELT, WINDROW OR LOOSE, WHEEL (ADD ASPHALT PAVER UNIT)	110 HP	D-off	\$125,258	26.79	6.78	9.87	1.84	4.86	198
	ROADTEC											
	A30RT001	SB-1500	ASPHALT PAVER, ASPHALT MATERIAL TRANSFER VEHICLE, 15 TON HOPPER, 600 TPH, 65" WIDE CONVEYOR, WHEEL	275 HP	D-off	\$457,637	90.23	25.02	36.59	6.72	12.16	600
	A30RT002	SB-2500B	ASPHALT PAVER, ASPHALT MATERIAL TRANSFER VEHICLE, 25 TON HOPPER, 1000 TPH 69" WIDE CONVEYOR, WHEEL	275 HP	D-off	\$480,829	94.06	26.27	38.42	7.06	12.16	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	5 HP	G	\$9,220	5.00	0.73	1.18	0.14	0.49	9
	A35AE002	KEB-115KE	ASPHALT/PAVEMENT KETTLE, 115 GAL, TRAILER W/ PUMP & HOSE	5 HP	G	\$9,537	5.79	0.76	1.22	0.15	0.49	11
	A35AE003	KEB-170KE	ASPHALT/PAVEMENT KETTLE, 170 GAL, TRAILER W/ PUMP & HOSE	5 HP	G	\$10,195	6.31	0.83	1.33	0.16	0.49	15

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV) 2000 (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER		AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	A35	AEROIL PRODUCTS COMPANY, INC. (continued)										
	A35AE004	KEB-260KE	ASPHALT/PAVEMENT KETTLE, 260 GAL, TRAILER W/ PUMP & HOSE	5 HP	G	\$11,139	7.45	0.90	1.45	0.17	0.49	19
	A35AE005	KEB-360KE	ASPHALT/PAVEMENT KETTLE, 360 GAL, TRAILER W/ PUMP & HOSE	5 HP	G	\$12,252	9.95	0.97	1.56	0.19	0.49	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 10.0" D, CRAWLER (ADD CUTTING TEETH COSTS)	500 HP	D-off	\$439,461	170.63	36.16	58.59	6.86	33.50	505
	A40CA009	PM-565B	ASPHALT COLD PLANER, 83" W X 12.0" D, CRAWLER (ADD CUTTING TEETH COSTS)	625 HP	D-off	\$646,544	241.82	53.20	86.21	10.09	41.88	735
	CMI CORPORATION - BID-WELL DIVISION											
	A40CW001	PR-1050	ASPHALT PROFILER, MAX 12.5' W X 12" D, CRAWLER (ADD CUTTING TEETH COSTS)	1,030 HP	D-off	\$776,129	313.62	63.85	103.48	12.11	69.01	1,065
	ROADTEC											
	A40RT001	RX-20B	ASPHALT COLD PLANER, 40" W X 10" D, WHEEL (ADD CUTTING TEETH COSTS)	230 HP	D-off	\$297,705	106.36	24.26	39.23	4.64	15.41	324
	A40RT002	RX-25	ASPHALT COLD PLANER, 52" W X 8" D, CRAWLER (ADD CUTTING TEETH COSTS)	250 HP	D-off	\$389,599	135.14	32.06	51.95	6.08	16.75	420
	A40RT003	RX-45B	ASPHALT COLD PLANER, 78" W X 12" D, CRAWLER (ADD CUTTING TEETH COSTS)	460 HP	D-off	\$481,843	179.73	39.65	64.25	7.52	30.82	617
	A40RT004	RX-60B	ASPHALT COLD PLANER, 86" W X 12" D, CRAWLER (ADD CUTTING TEETH COSTS)	800 HP	D-off	\$619,690	248.54	50.99	82.63	9.67	53.60	918
	A40RT005	RX-68B	ASPHALT COLD PLANER, 98" W X 12" D, CRAWLER (ADD CUTTING TEETH COSTS)	800 HP	D-off	\$659,566	260.23	54.26	87.94	10.29	53.60	830
	A40RT006	RX-70B	ASPHALT COLD PLANER, 150" W X 8" D, CRAWLER (ADD CUTTING TEETH COSTS)	800 HP	D-off	\$730,491	281.03	60.10	97.40	11.40	53.60	920

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
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			\$8,188	9.79	0.77	1.28	0.13	0.00	11
A45AE002	HEPR-96V		ASPHALT RESURFACER-PATCHER, 8' WIDE, 32.0 SF, 1,200,000 BTU INFRA-RED HEATER, TRAILER MTD			\$15,995	19.54	1.53	2.53	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			\$18,851	23.08	1.80	2.99	0.30	0.00	17
	ROSCO MANUFACTURING CO.											
A45RS001	RA-2000		ASPHALT SPRAY PATCHER, TRAILER MTD, 300 GAL	85 HP	D-off	\$38,572	17.93	3.66	6.08	0.62	3.76	60
A45RS002	RA-300		ASPHALT SPRAY PATCHER, TRUCK MTD, 400 GAL	210 HP	D-on	\$125,819	55.98	12.09	20.13	2.02	11.02	179
	SEALMASTER, INC.											
A45SE002	SP200 DUAL		ASPHALT SEALCOATER, 200 GAL, 108" WIDE DUAL SPRAY, SQUEEGEE	20 HP	G	\$25,140	12.09	2.40	4.00	0.40	1.96	28
A45SE003	SP300 DUAL		ASPHALT SEALCOATER, 300 GAL, 108" WIDE DUAL SPRAY, SQUEEGEE	30 HP	D-off	\$35,179	15.31	3.35	5.57	0.56	1.33	39
A45SE004	TR-1000		ASPHALT SEALER, 1000 GAL TANK TRAILER	16 HP	G	\$18,261	8.50	1.69	2.80	0.29	1.57	52

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
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	\$32,286	12.49	2.07	3.15	0.49	1.77	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	\$72,499	40.61	4.44	6.70	1.09	16.00	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	\$97,874	51.47	5.91	8.87	1.47	19.63	194
	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	200 HP	G	\$106,852	53.73	6.50	9.77	1.61	19.63	204
	B10CC012	210 BBL	BATCH PLANT, SILO, CEMENT, 830 CF, 210 BARREL (BATCH PLANT ATTACHMENT)	18 HP	G	\$19,892	7.46	1.30	1.99	0.30	1.77	35
	B10CC011	HS-240	BATCH PLANT, SILO, CEMENT, 38 TON HORIZONTAL 240 BARREL (BATCH PLANT ATTACHMENT)	20 HP	E	\$20,129	6.68	1.31	2.01	0.30	0.85	45
	B10CC013	300 BBL	BATCH PLANT, SILO, CEMENT, 1200 CF, 300 BARRL (BATCH PLANT ATTACHMENT)	18 HP	G	\$23,987	8.43	1.56	2.40	0.36	1.77	48
	B10CC014		BATCH PLANT, CEMENT LOADING AUGER, 6" DIA, 19' LONG (BATCH PLANT ATTACHMENT)	5 HP	E	\$6,239	2.18	0.40	0.62	0.09	0.21	10

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	FUEL TYPE			2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	
				MAIN	CARRIER							
			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)	200 HP	E	\$251,022	67.87	16.26	24.96	3.78	8.45	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)	35 HP	E	\$76,356	19.18	4.86	7.41	1.15	1.48	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)	30 HP	E	\$143,131	36.31	9.11	13.92	2.15	1.27	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)	120 HP	E	\$168,767	46.87	10.77	16.46	2.54	5.07	410
	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)	120 HP	E	\$204,353	54.81	13.08	20.02	3.07	5.07	426
	B10CL027		BATCH PLANT, CEMENT SILO, 1910 CF, 475 BARREL (BATCH PLANT ATTACHMENT)			\$18,267	4.08	1.19	1.83	0.27	0.00	144
	B10CL042		BATCH PLANT, SCREW CONVEYOR, 6" DIA, 10' LONG (CEMENT SILO ATTACHMENT)	5 HP	E	\$2,895	0.93	0.19	0.29	0.04	0.21	5
	B10CL045		BATCH PLANT, SCREW CONVEYOR, 6" DIA, 20' LONG (CEMENT SILO ATTACHMENT)	10 HP	E	\$3,676	1.42	0.25	0.37	0.06	0.42	11
	B10CL036		BATCH PLANT, SCREW CONVEYOR, 9" DIA, 10' LONG (CEMENT SILO ATTACHMENT)	8 HP	E	\$3,145	1.17	0.21	0.31	0.05	0.34	9
	B10CL040		BATCH PLANT, SCREW CONVEYOR, 9" DIA, 20' LONG (CEMENT SILO ATTACHMENT)	20 HP	E	\$4,328	2.16	0.29	0.43	0.07	0.85	16

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>B10</i>	<i>CON-E-CO (continued)</i>											
	B10CL032		BATCH PLANT, SCREW CONVEYOR, 12" DIA, 10' LONG (CEMENT SILO ATTACHMENT)	10 HP	E	\$3,768	1.44	0.25	0.38	0.06	0.42	10
	B10CL034		BATCH PLANT, SCREW CONVEYOR, 12" DIA, 20' LONG (CEMENT SILO ATTACHMENT)	20 HP	E	\$7,536	2.87	0.49	0.75	0.11	0.85	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)	25 HP	G	\$378,003	90.29	24.19	37.00	5.69	2.45	590
	B10EM002		BATCH PLANT, CEMENT SILO, 55 TON HORIZONTAL 350 BARREL (BATCH PLANT ATTACHMENT)	20 HP	E	\$6,820	3.72	0.32	0.44	0.10	0.85	45
	B10EM003		BATCH PLANT, CEMENT SILO, 2200 CF (BARREL CAP 550 MAX / 450 MIN) W/ DRIVE-THRU TYPE UNDERSTRUCTURE (BATCH PLANT ATTACHMENT)			\$22,571	5.04	1.47	2.26	0.34	0.00	222
	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)	15 HP	E	\$127,666	31.94	8.16	12.47	1.92	0.63	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)	50 HP	E	\$190,636	50.07	12.14	18.54	2.87	2.11	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)	46 HP	E	\$173,983	46.08	11.06	16.88	2.62	1.92	489

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	FUEL TYPE			2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	
				MAIN	CARRIER							
<i>B10</i>	<i>ROSS COMPANY (continued)</i>											
	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)	30 HP	E	\$146,214	36.97	9.37	14.33	2.20	1.27	250
	B10RC027		BATCH PLANT, CONCRETE MIXER, 4.5 CY, TILT DRUM, SKID MTD (ADD DRY BATCH PLANT)	40 HP	E	\$134,068	34.30	8.73	13.41	2.02	1.69	34
	B10RC028		BATCH PLANT, CONCRETE MIXER, 6.0 CY, TILT DRUM, SKID MTD (ADD DRY BATCH PLANT)	60 HP	E	\$150,549	39.41	9.79	15.05	2.26	2.54	45
	B10RC029		BATCH PLANT, CONCRETE MIXER, 8.0 CY, TILT DRUM, SKID MTD (ADD DRY BATCH PLANT)	80 HP	E	\$170,081	45.20	11.07	17.01	2.56	3.38	60
	B10RC030		BATCH PLANT, CONCRETE MIXER, 10.0 CY, TILT DRUM, SKID MTD (ADD DRY BATCH PLANT)	100 HP	E	\$185,238	51.01	12.05	18.52	2.79	4.23	75
	B10RC031		BATCH PLANT, CONCRETE MIXER, 12.0 CY, TILT DRUM, SKID MTD (ADD DRY BATCH PLANT)	120 HP	E	\$195,486	54.73	12.72	19.55	2.94	5.07	90
	B10RC016	MOBILE MIXER	BATCH PLANT, CONCRETE MIXER, 4.5CY, TILT DRUM TYPE, REVOLVING LIFT STAND, TRAILER MTD (ADD DRY BATCH PLANT & POWER)	75 HP	E	\$214,860	57.96	13.72	20.97	3.23	3.17	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)	15 HP	E	\$43,737	12.06	2.57	3.82	0.66	0.63	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)	30 HP	E	\$87,132	22.78	5.39	8.16	1.31	1.27	340

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
B10	STEPHENS MANUFACTURING CO., INC. <i>(continued)</i>											
	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)	30 HP	E	\$103,725	26.73	6.47	9.81	1.56	1.27	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)	20 HP	E	\$100,619	25.21	6.26	9.50	1.51	0.85	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)	45 HP	E	\$135,693	34.75	8.55	13.01	2.04	1.90	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)	20 HP	E	\$111,044	27.70	6.95	10.55	1.67	0.85	300
	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	\$123,442	28.15	6.66	9.69	1.81	4.01	190

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT	
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	FUEL TYPE			2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM		FUEL
				MAIN	CARRIER								
B10	KOLBERG - PIONEER, INC (continued)												
	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	\$226,844	54.29	12.30	17.94	3.33	9.30	230	
B15	BROOMS, STREET SWEEPERS & FLUSHERS												
	SUBCATEGORY 0.00 BROOMS, STREET SWEEPERS & FLUSHERS												
	BROCE MANUFACTURING COMPANY												
	B15BM001	RJ-350	BROOM, SELF PROPELLED PAVEMENT, 96" BROOM LENGTH	80 HP	D-off	\$26,235	9.99	1.85	2.95	0.37	3.54	45	
	ELGIN SWEEPER COMPANY												
	B15EC002	PELICAN P	STREET SWEEPER, 68" BROOM LENGTH, 36", 3 CY HOPPER, 180 GAL WATER TANK	100 HP	D-off	\$92,162	25.18	6.42	10.23	1.30	4.42	128	
	B15EC001	EAGLE F	STREET SWEEPER, 280" BROOM LENGTH, 4 CY HOPPER, 280 GAL WATER TANK, DUAL ENGINE	49 HP	D-off	170 HP D-on	\$145,067	36.06	10.09	16.07	2.05	4.06	150
	FIVE STAR MANUFACTURING CO/ELGIN SWEEPER												
	B15FS001	BROOM BEAR FL42H	STREET SWEEPER, 58" BROOM LENGTH, 44", 4 CY HOPPER, 350 GAL WATER TANK	230 HP	D-off	\$149,113	44.43	10.48	16.73	2.11	10.17	213	
	JOHNSTON SWEEPER COMPANY												
	B15JS001	2000T	STREET SWEEPER, 33" BROOM LENGTH, 2 CY HOPPER, 41 GAL WATER TANK	94 HP	D-off	\$79,952	22.21	5.61	8.95	1.13	4.16	53	
	B15JS002	J4000	STREET SWEEPER, 58" BROOM LENGTH, 44", 5 CY HOPPER, 220 GAL WATER TANK	190 HP	D-off	\$144,774	41.39	10.10	16.10	2.05	8.40	150	

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
M-B COMPANIES, INC.												
B15MB001	MT		STREET SWEEPER, 7' BROOM LENGTH, W/SPRINKLER, PTO DRIVE (ADD 45-100HP TRACTOR)			\$6,451	1.48	0.46	0.73	0.09	0.00	10
B15MB002	HT		STREET SWEEPER, 7' BROOM LENGTH, W/SPRINKLER, PTO DRIVE (ADD 45-100HP TRACTOR)			\$8,359	1.92	0.59	0.94	0.12	0.00	14
B15MB003	53T		STREET SWEEPER, 7' BROOM LENGTH, W/SPRINKLER, TOWED, HYDRAULIC (ADD TOWING UNIT)			\$12,034	2.81	0.83	1.32	0.17	0.00	18
B15MB004	53MH		STREET SWEEPER, 7' BROOM LENGTH, W/SPRINKLER, TOWED (ADD TOWING UNIT)	18 HP	G	\$14,023	5.13	0.97	1.54	0.20	1.77	17
ROSCO MANUFACTURING CO.												
B15RS005	CHALLENGER II		STREET SWEEPER, 7' BROOM LENGTH, SELF PROPELLED, 12 GALLON	80 HP	D-off	\$42,035	13.38	2.93	4.68	0.59	3.54	75
B15RS001	RB-48		STREET SWEEPER, 8' BROOM LENGTH, SELF PROPELLED	80 HP	D-off	\$32,872	11.42	2.28	3.64	0.46	3.54	52
TERRAMITE CONSTRUCTION EQUIPMENT												
B15TB001	TSS36		STREET SWEEPER, 6' BROOM LENGTH, SELF PROPELLED	45 HP	D-off	\$21,098	7.00	1.48	2.35	0.30	1.99	34
B15TB002	TSS38		STREET SWEEPER, 8' BROOM LENGTH, SELF PROPELLED	45 HP	D-off	\$21,248	7.02	1.48	2.36	0.30	1.99	34
WALDON, INC.												
B15WD001	SWEEPMASTER 250		BROOM, SELF PROPELLED PAVEMENT, 90" BROOM LENGTH	80 HP	D-off	\$30,323	10.89	2.11	3.36	0.43	3.54	48
B15WD002	SWEEPMASTER 250		BROOM, SELF PROPELLED PAVEMENT, 90" BROOM LENGTH, 180 GAL WATER TANK	80 HP	D-off	\$32,336	11.32	2.25	3.58	0.46	3.54	48

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
B20	BRUSH CHIPPERS											
	SUBCATEGORY 0.00 BRUSH CHIPPERS											
	BANDIT INDUSTRIES, INC.											
	B20BN001	65	BRUSH CHIPPER, 6" CAPACITY, DISC TYPE, TRAILER MTD	20 HP	G	\$9,842	4.71	0.70	1.11	0.14	1.96	18
	B20BN002	90W-XP	BRUSH CHIPPER, 9" CAPACITY, DISC TYPE, TRAILER MTD	37 HP	G	\$15,370	8.09	1.09	1.73	0.22	3.63	32
	B20BN003	150XP	BRUSH CHIPPER, 12" CAPACITY, DISC TYPE, TRAILER MTD	70 HP	G	\$19,137	13.07	1.35	2.15	0.27	6.87	44
	B20BN004	254	BRUSH CHIPPER, 14" CAPACITY, DISC TYPE, TRAILER MTD	125 HP	D-off	\$29,758	13.54	2.10	3.35	0.42	5.53	78
	B20BN005	1290	BRUSH CHIPPER, 12" CAPACITY, DRUM TYPE, TRAILER MTD	65 HP	G	\$17,320	12.05	1.22	1.95	0.24	6.38	44
	B20BN006	1690	BRUSH CHIPPER, 16" CAPACITY, DRUM TYPE, TRAILER MTD	119 HP	G	\$18,373	19.08	1.30	2.07	0.26	11.68	44
	B20BN007	1890	BRUSH CHIPPER, 18" CAPACITY, DRUM TYPE, TRAILER MTD	125 HP	D-off	\$33,658	14.42	2.38	3.79	0.48	5.53	78
	MORBARK, INC.											
	B20MQ001	2070XL	BRUSH CHIPPER, 7" CAPACITY, DISC TYPE, TRAILER MTD	86 HP	D-off	\$18,489	8.86	1.29	2.06	0.26	3.80	40
	B20MQ003	13	BRUSH CHIPPER, 13" CAPACITY, DISC TYPE, TRAILER MTD	125 HP	D-off	\$25,670	12.63	1.79	2.85	0.36	5.53	68
	B20MQ004	2400XL	BRUSH CHIPPER, 15-17" CAPACITY, DISC TYPE, TRAILER MTD	125 HP	D-off	\$29,933	13.57	2.06	3.27	0.42	5.53	94
	B20MQ005	22 RXL	BRUSH CHIPPER, LOG CHIPPER, 22" CAPACITY, TRAILER MTD	650 HP	D-off	\$328,416	110.73	22.97	36.66	4.64	28.74	700
B25	BUCKETS, CLAMSHELL											
	SUBCATEGORY 0.00 BUCKETS, CLAMSHELL											
	HAWCO MANUFACTURING COMPANY, LLC											
	B25HB001	HD-050	BUCKET, CLAMSHELL, 0.50 CY, HEAVY DUTY/DIGGING			\$15,238	3.12	1.08	1.71	0.22	0.00	30

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>B25</i>	<i>HAWCO MANUFACTURING COMPANY, LLC (continued)</i>											
	B25HB003	HD-100	BUCKET, CLAMSHELL, 1.00 CY, HEAVY DUTY/DIGGING			\$24,481	5.02	1.73	2.75	0.35	0.00	48
	B25HB005	HD-150	BUCKET, CLAMSHELL, 1.50 CY, HEAVY DUTY/DIGGING			\$31,775	6.51	2.24	3.57	0.45	0.00	66
	B25HB007	HD-200	BUCKET, CLAMSHELL, 2.00 CY, HEAVY DUTY/DIGGING			\$37,509	7.69	2.64	4.22	0.53	0.00	78
	B25HB008	HD-250	BUCKET, CLAMSHELL, 2.50 CY, HEAVY DUTY/DIGGING			\$43,722	8.97	3.08	4.92	0.62	0.00	91
	B25HB009	HD-300	BUCKET, CLAMSHELL, 3.00 CY, HEAVY DUTY/DIGGING			\$48,149	9.87	3.39	5.42	0.68	0.00	103
	B25HB010	HD-350	BUCKET, CLAMSHELL, 3.50 CY, HEAVY DUTY/DIGGING			\$50,559	10.36	3.56	5.69	0.71	0.00	131
	B25HB011	HD-400	BUCKET, CLAMSHELL, 4.00 CY, HEAVY DUTY/DIGGING			\$51,859	10.62	3.65	5.83	0.73	0.00	145
	B25HB012	HD-450	BUCKET, CLAMSHELL, 4.50 CY, HEAVY DUTY/DIGGING			\$54,781	11.22	3.85	6.16	0.77	0.00	165
	B25HB013	HD-500	BUCKET, CLAMSHELL, 5.00 CY, HEAVY DUTY/DIGGING			\$56,560	11.59	3.98	6.36	0.80	0.00	173
	B25HB014	HD-550	BUCKET, CLAMSHELL, 5.50 CY, HEAVY DUTY/DIGGING			\$59,105	12.12	4.17	6.65	0.84	0.00	178
	B25HB015	HD-600	BUCKET, CLAMSHELL, 6.00 CY, HEAVY DUTY/DIGGING			\$61,144	12.53	4.30	6.88	0.86	0.00	199
	NO SPECIFIC MANUFACTURER											
	B25XX001	1/4SSN	BUCKET, CLAMSHELL, 0.20 CY, SQUARE NOSE, STANDARD			\$6,883	1.41	0.49	0.77	0.10	0.00	14
	B25XX002	1/2SSN	BUCKET, CLAMSHELL, 0.50 CY, SQUARE NOSE, STANDARD			\$10,158	2.08	0.71	1.14	0.14	0.00	27
	B25XX003	3/4SSN	BUCKET, CLAMSHELL, 0.70 CY, SQUARE NOSE, STANDARD			\$12,515	2.57	0.89	1.41	0.18	0.00	35
	B25XX004	1SSN	BUCKET, CLAMSHELL, 1.00 CY, SQUARE NOSE, STANDARD			\$13,676	2.80	0.96	1.54	0.19	0.00	43
	B25XX005	1-1/4SSN	BUCKET, CLAMSHELL, 1.20 CY, SQUARE NOSE, STANDARD			\$15,940	3.27	1.13	1.79	0.23	0.00	49
	B25XX006	1-1/2SSN	BUCKET, CLAMSHELL, 1.50 CY, SQUARE NOSE, STANDARD			\$17,883	3.66	1.26	2.01	0.25	0.00	64
	B25XX007	1-3/4SSN	BUCKET, CLAMSHELL, 1.70 CY, SQUARE NOSE, STANDARD			\$19,106	3.92	1.35	2.15	0.27	0.00	67

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
B25	<i>NO SPECIFIC MANUFACTURER (continued)</i>											
	B25XX008	2SSN	BUCKET, CLAMSHELL, 2.00 CY, SQUARE NOSE, STANDARD			\$22,341	4.58	1.58	2.51	0.32	0.00	76
	B25XX009	2-1/2SSN	BUCKET, CLAMSHELL, 2.50 CY, SQUARE NOSE, STANDARD			\$23,386	4.79	1.65	2.63	0.33	0.00	92
	B25XX010	3SSN	BUCKET, CLAMSHELL, 3.00 CY, SQUARE NOSE, STANDARD			\$24,906	5.10	1.75	2.80	0.35	0.00	98
	B25XX011	3-1/2SSN	BUCKET, CLAMSHELL, 3.50 CY, SQUARE NOSE, STANDARD			\$26,070	5.34	1.84	2.93	0.37	0.00	108
	B25XX012	4SSN	BUCKET, CLAMSHELL, 4.00 CY, SQUARE NOSE, STANDARD			\$29,130	5.97	2.05	3.28	0.41	0.00	119
	B25XX013	4-1/2SSN	BUCKET, CLAMSHELL, 4.50 CY, SQUARE NOSE, STANDARD			\$39,303	8.06	2.77	4.42	0.56	0.00	145
	B25XX014	5SSN	BUCKET, CLAMSHELL, 5.00 CY, SQUARE NOSE, STANDARD			\$41,949	8.60	2.95	4.72	0.59	0.00	154
	B25XX015	5-1/2SSN	BUCKET, CLAMSHELL, 5.50 CY, SQUARE NOSE, STANDARD			\$50,869	10.43	3.58	5.72	0.72	0.00	158
	B25XX016	6SSN	BUCKET, CLAMSHELL, 6.00 CY, SQUARE NOSE, STANDARD			\$51,250	10.51	3.61	5.77	0.72	0.00	166
	B25XX017	6-1/2SSN	BUCKET, CLAMSHELL, 6.50 CY, SQUARE NOSE, STANDARD			\$55,356	11.35	3.90	6.23	0.78	0.00	177
	B25XX018	7SSN	BUCKET, CLAMSHELL, 7.00 CY, SQUARE NOSE, STANDARD			\$52,416	10.75	3.69	5.90	0.74	0.00	185
	B25XX019	7-1/2SSN	BUCKET, CLAMSHELL, 7.50 CY, SQUARE NOSE, STANDARD			\$58,751	12.04	4.14	6.61	0.83	0.00	192
B30	BUCKETS, CONCRETE											
	SUBCATEGORY 0.10	GENERAL PURPOSE, MANUAL TRIP										
	GAR-BRO MANUFACTURING COMPANY											
	B30GB001	433-G	BUCKET, CONCRETE, GENERAL PURPOSE, 1.0 CY			\$2,935	0.62	0.22	0.35	0.04	0.00	6
	B30GB002	442-G	BUCKET, CONCRETE, GENERAL PURPOSE, 1.5 CY			\$3,843	0.81	0.28	0.46	0.05	0.00	8
	B30GB003	462-G	BUCKET, CONCRETE, GENERAL PURPOSE, 2.0 CY			\$4,740	0.99	0.34	0.56	0.06	0.00	10
	B30GB004	493-G	BUCKET, CONCRETE, GENERAL PURPOSE, 3.0 CY			\$6,874	1.45	0.50	0.82	0.09	0.00	14

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS				
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT	
B30	GAR-BRO MANUFACTURING COMPANY (continued)												
	B30GB005	4123-G	BUCKET, CONCRETE, GENERAL PURPOSE, 4.0 CY			\$8,190	1.72	0.60	0.97	0.11	0.00	18	
	SUBCATEGORY 0.20		LAYDOWN										
	GAR-BRO MANUFACTURING COMPANY												
	B30GB006	425-A	BUCKET, CONCRETE, LAYDOWN, 1.0 CY, HEAVY DUTY AIR GATE			\$15,169	3.28	1.11	1.80	0.21	0.00	26	
	B30GB007	465-A	BUCKET, CONCRETE, LAYDOWN, 2.0 CY, HVDY AIR GATE			\$16,332	3.53	1.19	1.94	0.22	0.00	32	
	B30GB008	495-A	BUCKET, CONCRETE, LAYDOWN, 3.0 CY, HEAVY DUTY AIR GATE			\$18,176	3.94	1.33	2.16	0.25	0.00	40	
	B30GB009	4125-A	BUCKET, CONCRETE, LAYDOWN, 4.0 CY, HEAVY DUTY AIR GATE			\$20,697	4.48	1.51	2.46	0.28	0.00	51	
	B30GB010	4155-A	BUCKET, CONCRETE, LAYDOWN, 5.0 CY, HEAVY DUTY AIR GATE			\$25,537	5.53	1.87	3.03	0.35	0.00	73	
	SUBCATEGORY 0.30		LOWBOY										
	CAMLEVER												
	B30CR001	LB-375	BUCKET, CONCRETE, LOWBOY, 0.38 CY, AIR GATE			\$3,932	0.87	0.29	0.47	0.05	0.00	2	
	B30CR002	LB-050	BUCKET, CONCRETE, LOWBOY, 0.5 CY, AIR GATE			\$4,218	0.94	0.31	0.50	0.06	0.00	2	
	B30CR003	LB-075	BUCKET, CONCRETE, LOWBOY, 0.75 CY, AIR GATE			\$4,546	1.01	0.33	0.54	0.06	0.00	3	
	B30CR004	LB-100	BUCKET, CONCRETE, LOWBOY, 1.0 CY, AIR GATE			\$4,685	1.04	0.34	0.56	0.06	0.00	5	
	B30CR005	LB-150	BUCKET, CONCRETE, LOWBOY, 1.5 CY, AIR GATE			\$5,515	1.22	0.41	0.65	0.08	0.00	6	
	B30CR009	LXB-150	BUCKET, CONCRETE, LOWBOY, 1.5 CY, AIR GATE			\$5,806	1.29	0.43	0.69	0.08	0.00	6	
	B30CR006	LB-200	BUCKET, CONCRETE, LOWBOY, 2.0 CY, AIR GATE			\$6,478	1.44	0.48	0.77	0.09	0.00	8	
	B30CR010	LXB-200	BUCKET, CONCRETE, LOWBOY, 2.0 CY, AIR GATE			\$6,780	1.51	0.50	0.81	0.09	0.00	6	

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV) 2000 (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER		AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	B30	<i>CAMLEVER (continued)</i>										
	B30CR011	LXB-300	BUCKET, CONCRETE, LOWBOY, 3.0 CY, AIR GATE			\$8,045	1.79	0.59	0.96	0.11	0.00	6
	B30CR012	LXB-400	BUCKET, CONCRETE, LOWBOY, 4.0 CY, AIR GATE			\$9,299	2.06	0.68	1.10	0.13	0.00	6
	SUBCATEGORY 0.40		LOW SLUMP									
	GAR-BRO MANUFACTURING COMPANY											
	B30GB011	440-A	BUCKET, CONCRETE, LOW SLUMP, 1.0 CY, AIR GATE			\$12,006	2.66	0.88	1.43	0.16	0.00	20
	B30GB012	450-A	BUCKET, CONCRETE, LOW SLUMP, 1.5 CY, AIR GATE			\$12,453	2.76	0.91	1.48	0.17	0.00	21
	B30GB013	460-A	BUCKET, CONCRETE, LOW SLUMP, 2.0 CY, AIR GATE			\$12,898	2.86	0.95	1.53	0.18	0.00	24
	B30GB014	493-A	BUCKET, CONCRETE, LOW SLUMP, 3.0 CY, AIR GATE			\$16,850	3.74	1.23	2.00	0.23	0.00	49
	B30GB015	4139-A	BUCKET, CONCRETE, LOW SLUMP, 4.0 CY, AIR GATE			\$17,452	3.87	1.28	2.07	0.24	0.00	52
	B30GB016	4200-A	BUCKET, CONCRETE, LOW SLUMP, 6.0 CY, AIR GATE			\$25,067	5.56	1.83	2.98	0.34	0.00	78
	B30GB017	4250-A	BUCKET, CONCRETE, LOW SLUMP, 8.0 CY, AIR GATE			\$30,180	6.69	2.20	3.58	0.41	0.00	90
B35	BUCKETS, DRAGLINE											
	SUBCATEGORY 0.10		LIGHT WEIGHT									
	HENDRIX MANUFACTURING COMPANY, INC.											
	B35HE001	LS	BUCKET, DRAGLINE, 0.75 CY, LIGHT WEIGHT/PERFORATED			\$4,978	1.02	0.35	0.56	0.07	0.00	15
	B35HE002	LS	BUCKET, DRAGLINE, 1.0 CY, LIGHT WEIGHT/PERFORATED			\$5,900	1.20	0.41	0.66	0.08	0.00	18
	B35HE003	LS	BUCKET, DRAGLINE, 1.5 CY, LIGHT WEIGHT/PERFORATED			\$7,787	1.60	0.55	0.88	0.11	0.00	26
	B35HE004	LS	BUCKET, DRAGLINE, 2.0 CY, LIGHT WEIGHT/PERFORATED			\$9,181	1.88	0.65	1.03	0.13	0.00	32

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>B35</i>	<i>HENDRIX MANUFACTURING COMPANY, INC. (continued)</i>											
	B35HE005	LS	BUCKET, DRAGLINE, 2.5 CY, LIGHT WEIGHT/PERFORATED			\$10,794	2.21	0.76	1.21	0.15	0.00	37
	B35HE006	LS	BUCKET, DRAGLINE, 3.0 CY, LIGHT WEIGHT/PERFORATED			\$13,308	2.73	0.94	1.50	0.19	0.00	46
	B35HE007	LS	BUCKET, DRAGLINE, 3.5 CY, LIGHT WEIGHT/PERFORATED			\$14,707	3.01	1.04	1.65	0.21	0.00	50
	B35HE008	LS	BUCKET, DRAGLINE, 4.0 CY, LIGHT WEIGHT/PERFORATED			\$17,910	3.66	1.26	2.01	0.25	0.00	65
	B35HE009	LS	BUCKET, DRAGLINE, 4.5 CY, LIGHT WEIGHT/PERFORATED			\$19,018	3.90	1.34	2.14	0.27	0.00	69
	B35HE010	LS	BUCKET, DRAGLINE, 5.0 CY, LIGHT WEIGHT/PERFORATED			\$22,942	4.70	1.61	2.58	0.32	0.00	85
	B35HE011	LS	BUCKET, DRAGLINE, 6.0 CY, LIGHT WEIGHT/PERFORATED			\$24,888	5.10	1.75	2.80	0.35	0.00	92
	B35HE012	LS	BUCKET, DRAGLINE, 7.0 CY, LIGHT WEIGHT/PERFORATED			\$27,177	5.57	1.91	3.06	0.38	0.00	101
	B35HE013	LS	BUCKET, DRAGLINE, 8.0 CY, LIGHT WEIGHT/PERFORATED			\$30,136	6.18	2.13	3.39	0.43	0.00	112
	B35HE014	LS	BUCKET, DRAGLINE, 9.0 CY, LIGHT WEIGHT/PERFORATED			\$34,812	7.14	2.45	3.92	0.49	0.00	128
	B35HE015	LS	BUCKET, DRAGLINE, 10.0 CY, LIGHT WEIGHT/PERFORATED			\$37,828	7.75	2.66	4.26	0.53	0.00	139
	B35HE016	LS	BUCKET, DRAGLINE, 12.0 CY, LIGHT WEIGHT/PERFORATED			\$46,533	9.54	3.28	5.23	0.66	0.00	166
	B35HE017	LS	BUCKET, DRAGLINE, 14.0 CY, LIGHT WEIGHT/PERFORATED			\$53,488	10.97	3.77	6.02	0.76	0.00	191
	SAUERMAN											
	B35SA001	SC-1050-K	BUCKET, DRAGLINE, 1.0 CY, CRESCENT			\$15,834	3.24	1.11	1.78	0.22	0.00	15
	B35SA003	SC-1070-K	BUCKET, DRAGLINE, 2.0 CY, CRESCENT			\$23,718	4.87	1.68	2.67	0.34	0.00	25
	B35SA004	SC-1090-K	BUCKET, DRAGLINE, 3.0 CY, CRESCENT			\$32,512	6.67	2.29	3.66	0.46	0.00	36
	B35SA005	SC-1100-K	BUCKET, DRAGLINE, 4.0 CY, CRESCENT			\$40,718	8.35	2.87	4.58	0.58	0.00	49
	B35SA006	SC-1110-K	BUCKET, DRAGLINE, 5.0 CY, CRESCENT			\$47,994	9.84	3.38	5.40	0.68	0.00	58
	B35SA007	SC-1120-K	BUCKET, DRAGLINE, 6.0 CY, CRESCENT			\$53,975	11.06	3.80	6.07	0.76	0.00	68
	B35SA008	SC-1130-K	BUCKET, DRAGLINE, 8.0 CY, CRESCENT			\$63,633	13.05	4.48	7.16	0.90	0.00	88
	B35SA009	SC-1140-K	BUCKET, DRAGLINE, 10.0 CY, CRESCENT			\$80,791	16.56	5.69	9.09	1.14	0.00	106

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>B35</i>	<i>SAUERMAN (continued)</i>											
	B35SA010	SC-1150-K	BUCKET, DRAGLINE, 12.0 CY, CRESCENT			\$98,606	20.21	6.94	11.09	1.39	0.00	132
	NO SPECIFIC MANUFACTURER											
	B35XX001	6-1/2L	BUCKET, DRAGLINE, 6.5 CY, LIGHT WEIGHT			\$24,601	5.05	1.74	2.77	0.35	0.00	94
	B35XX002	7-1/2L	BUCKET, DRAGLINE, 7.5 CY, LIGHT WEIGHT			\$27,663	5.67	1.95	3.11	0.39	0.00	106
	B35XX003	8-1/2L	BUCKET, DRAGLINE, 8.5 CY, LIGHT WEIGHT			\$30,596	6.27	2.15	3.44	0.43	0.00	116
	B35XX004	9-1/2L	BUCKET, DRAGLINE, 9.5 CY, LIGHT WEIGHT			\$34,895	7.15	2.46	3.93	0.49	0.00	132
	B35XX005	11L	BUCKET, DRAGLINE, 11.0 CY, LIGHT WEIGHT			\$39,180	8.03	2.76	4.41	0.55	0.00	148
	B35XX006	13L	BUCKET, DRAGLINE, 13.0 CY, LIGHT WEIGHT			\$48,227	9.89	3.40	5.43	0.68	0.00	178
	SUBCATEGORY 0.20	MEDIUM WEIGHT										
	HENDRIX MANUFACTURING COMPANY, INC.											
	B35HE018	TS	BUCKET, DRAGLINE, 0.75 CY, MEDIUM WEIGHT			\$5,705	1.05	0.37	0.57	0.08	0.00	17
	B35HE019	TS	BUCKET, DRAGLINE, 1.0 CY, MEDIUM WEIGHT			\$6,565	1.21	0.42	0.66	0.09	0.00	19
	B35HE020	TS	BUCKET, DRAGLINE, 1.5 CY, MEDIUM WEIGHT			\$8,909	1.63	0.57	0.89	0.12	0.00	28
	B35HE021	TS	BUCKET, DRAGLINE, 2.0 CY, MEDIUM WEIGHT			\$10,599	1.95	0.68	1.06	0.15	0.00	36
	B35HE022	TS	BUCKET, DRAGLINE, 2.5 CY, MEDIUM WEIGHT			\$12,418	2.28	0.79	1.24	0.17	0.00	41
	B35HE023	TS	BUCKET, DRAGLINE, 3.0 CY, MEDIUM WEIGHT			\$14,615	2.68	0.93	1.46	0.20	0.00	49
	B35HE024	TS	BUCKET, DRAGLINE, 3.5 CY, MEDIUM WEIGHT			\$16,143	2.95	1.03	1.61	0.22	0.00	54
	B35HE025	TS	BUCKET, DRAGLINE, 4.0 CY, MEDIUM WEIGHT			\$19,354	3.56	1.24	1.94	0.27	0.00	70
	B35HE026	TS	BUCKET, DRAGLINE, 4.5 CY, MEDIUM WEIGHT			\$20,710	3.80	1.33	2.07	0.29	0.00	72

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
<i>B35</i>	<i>HENDRIX MANUFACTURING COMPANY, INC. (continued)</i>											
	B35HE027	TS	BUCKET, DRAGLINE, 5.0 CY, MEDIUM WEIGHT			\$26,538	4.87	1.70	2.65	0.37	0.00	93
	B35HE028	TS	BUCKET, DRAGLINE, 6.0 CY, MEDIUM WEIGHT			\$27,414	5.03	1.75	2.74	0.38	0.00	96
	B35HE029	TS	BUCKET, DRAGLINE, 7.0 CY, MEDIUM WEIGHT			\$31,294	5.75	2.01	3.13	0.44	0.00	111
	B35HE030	TS	BUCKET, DRAGLINE, 8.0 CY, MEDIUM WEIGHT			\$34,450	6.33	2.21	3.45	0.48	0.00	122
	B35HE031	TS	BUCKET, DRAGLINE, 9.0 CY, MEDIUM WEIGHT			\$41,222	7.56	2.63	4.12	0.57	0.00	149
	B35HE032	TS	BUCKET, DRAGLINE, 10.0 CY, MEDIUM WEIGHT			\$43,902	8.06	2.81	4.39	0.61	0.00	159
	B35HE033	TS	BUCKET, DRAGLINE, 12.0 CY, MEDIUM WEIGHT			\$56,673	10.41	3.63	5.67	0.79	0.00	202
	B35HE034	TS	BUCKET, DRAGLINE, 14.0 CY, MEDIUM WEIGHT			\$63,125	11.59	4.04	6.31	0.88	0.00	225
	NO SPECIFIC MANUFACTURER											
	B35XX007	6-1/2M	BUCKET, DRAGLINE, 6.5 CY, MEDIUM WEIGHT			\$27,842	5.11	1.78	2.78	0.39	0.00	101
	B35XX008	7-1/2M	BUCKET, DRAGLINE, 7.5 CY, MEDIUM WEIGHT			\$31,822	5.84	2.03	3.18	0.44	0.00	117
	B35XX009	8-1/2M	BUCKET, DRAGLINE, 8.5 CY, MEDIUM WEIGHT			\$34,265	6.30	2.20	3.43	0.48	0.00	126
	B35XX010	9-1/2M	BUCKET, DRAGLINE, 9.5 CY, MEDIUM WEIGHT			\$40,751	7.49	2.61	4.08	0.57	0.00	152
	B35XX011	11M	BUCKET, DRAGLINE, 11.0 CY, MEDIUM WEIGHT			\$45,057	8.28	2.89	4.51	0.63	0.00	169
	B35XX012	13M	BUCKET, DRAGLINE, 13.0 CY, MEDIUM WEIGHT			\$57,121	10.49	3.66	5.71	0.80	0.00	211
	SUBCATEGORY 0.30 HEAVY WEIGHT											
	HENDRIX MANUFACTURING COMPANY, INC.											
	B35HE035	MH-S	BUCKET, DRAGLINE, 2.75 CY, HEAVY WEIGHT			\$21,459	3.58	1.27	1.93	0.30	0.00	69

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>B35</i>	<i>HENDRIX MANUFACTURING COMPANY, INC. (continued)</i>											
	B35HE036	MH-S	BUCKET, DRAGLINE, 3.0 CY, HEAVY WEIGHT			\$22,391	3.73	1.32	2.02	0.31	0.00	72
	B35HE037	MH-S	BUCKET, DRAGLINE, 3.5 CY, HEAVY WEIGHT			\$25,187	4.20	1.49	2.27	0.35	0.00	81
	B35HE038	MH-S	BUCKET, DRAGLINE, 4.0 CY, HEAVY WEIGHT			\$34,207	5.69	2.01	3.08	0.47	0.00	110
	B35HE039	MH-S	BUCKET, DRAGLINE, 4.5 CY, HEAVY WEIGHT			\$38,251	6.37	2.25	3.44	0.53	0.00	123
	B35HE040	MH-S	BUCKET, DRAGLINE, 5.0 CY, HEAVY WEIGHT			\$39,490	6.57	2.32	3.55	0.54	0.00	127
	B35HE041	MH-S	BUCKET, DRAGLINE, 6.0 CY, HEAVY WEIGHT			\$42,295	7.04	2.49	3.81	0.58	0.00	136
	B35HE042	MH-S	BUCKET, DRAGLINE, 7.0 CY, HEAVY WEIGHT			\$53,526	8.92	3.15	4.82	0.74	0.00	175
	B35HE043	MH-S	BUCKET, DRAGLINE, 8.0 CY, HEAVY WEIGHT			\$55,054	9.16	3.24	4.95	0.76	0.00	180
	B35HE044	MH-S	BUCKET, DRAGLINE, 9.0 CY, HEAVY WEIGHT			\$69,996	11.65	4.11	6.30	0.96	0.00	234
	B35HE045	MH-S	BUCKET, DRAGLINE, 10.0 CY, HEAVY WEIGHT			\$72,523	12.08	4.27	6.53	1.00	0.00	243
	B35HE046	MH-S	BUCKET, DRAGLINE, 12.0 CY, HEAVY WEIGHT			\$86,250	14.36	5.07	7.76	1.19	0.00	289
	B35HE047	MH-S	BUCKET, DRAGLINE, 14.0 CY, HEAVY WEIGHT			\$92,020	15.32	5.41	8.28	1.27	0.00	309
	NO SPECIFIC MANUFACTURER											
	B35XX013	3/4H	BUCKET, DRAGLINE, 0.75 CY, HEAVY WEIGHT			\$7,056	1.18	0.42	0.64	0.10	0.00	20
	B35XX014	1H	BUCKET, DRAGLINE, 1.0 CY, HEAVY WEIGHT			\$7,923	1.32	0.47	0.71	0.11	0.00	23
	B35XX015	1-1/2H	BUCKET, DRAGLINE, 1.5 CY, HEAVY WEIGHT			\$11,776	1.96	0.69	1.06	0.16	0.00	35
	B35XX016	2H	BUCKET, DRAGLINE, 2.0 CY, HEAVY WEIGHT			\$13,430	2.23	0.79	1.21	0.18	0.00	42
	B35XX017	2-1/2H	BUCKET, DRAGLINE, 2.5 CY, HEAVY WEIGHT			\$14,656	2.44	0.86	1.32	0.20	0.00	48
	B35XX018	5-1/2H	BUCKET, DRAGLINE, 5.5 CY, HEAVY WEIGHT			\$31,267	5.20	1.84	2.81	0.43	0.00	113

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
B35	<i>NO SPECIFIC MANUFACTURER (continued)</i>											
	B35XX019	6-1/2H	BUCKET, DRAGLINE, 6.5 CY, HEAVY WEIGHT			\$33,352	5.55	1.96	3.00	0.46	0.00	125
	B35XX020	7-1/2H	BUCKET, DRAGLINE, 7.5 CY, HEAVY WEIGHT			\$37,674	6.27	2.22	3.39	0.52	0.00	135
	B35XX021	8-1/2H	BUCKET, DRAGLINE, 8.5 CY, HEAVY WEIGHT			\$40,939	6.81	2.40	3.68	0.56	0.00	159
	B35XX022	9-1/2H	BUCKET, DRAGLINE, 9.5 CY, HEAVY WEIGHT			\$51,788	8.62	3.04	4.66	0.71	0.00	181
	B35XX023	11H	BUCKET, DRAGLINE, 11.0 CY, HEAVY WEIGHT			\$55,462	9.23	3.26	4.99	0.76	0.00	198
C05	CHAIN SAWS											
	SUBCATEGORY 0.00 CHAIN SAWS											
	OLYMPYK CHAIN SAWS											
	C05OL001	941	CHAIN SAW, 16"-18" BAR	2 HP	G	\$286	0.85	0.08	0.13	0.01	0.31	1
	C05OL002	962	CHAIN SAW, 16"-24" BAR	5 HP	G	\$456	1.53	0.12	0.21	0.01	0.64	1
	C05OL003	970	CHAIN SAW, 16"-36" BAR	5 HP	G	\$555	1.77	0.14	0.25	0.01	0.71	1
	C05OL004	980	CHAIN SAW, 16"-42" BAR	6 HP	G	\$605	1.92	0.15	0.27	0.01	0.77	1
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	3 HP	G	\$3,203	2.14	0.43	0.76	0.05	0.41	1
	C10BO003	BP 10/36	COMPACTOR, VIBROPLATE, 14.2" X 21.5" PLATE	4 HP	G	\$2,217	1.78	0.30	0.53	0.03	0.54	2
	C10BO004	BP 15/45	COMPACTOR, VIBROPLATE, 17.7" X 21.5" PLATE	6 HP	G	\$2,486	2.26	0.34	0.59	0.04	0.82	2
	C10BO007	BPR 35/38D	COMPACTOR, VIBROPLATE, 22.8" X 31.1" PLATE, REVERSIBLE	5 HP	D-off	\$6,642	3.78	0.89	1.58	0.10	0.31	5
	C10BO008	BPR 55/52D	COMPACTOR, VIBROPLATE, 32.3" X 35" PLATE, REVERSIBLE	8 HP	D-off	\$12,770	7.12	1.72	3.03	0.20	0.49	10

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	FUEL TYPE			2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	
				MAIN	CARRIER							
WACKER CORPORATION												
	C10WC003	BS 65Y	COMPACTOR, RAMMER, 11" X 13" SHOE, 3640 LBS IMPACT	4 HP	G	\$4,449	2.93	0.60	1.06	0.07	0.54	2
	C10WC006	BPS 2550 A	COMPACTOR, VIBROPLATE, 19.5" X 25.5" PLATE, 5600 LBS IMPACT	8 HP	G	\$3,031	2.87	0.41	0.72	0.05	1.09	3
	C10WC007	BPU 3345A	COMPACTOR, VIBROPLATE, 23.5" X 35.5" PLATE, 7550 LBS IMPACT	9 HP	G	\$9,974	6.59	1.35	2.37	0.16	1.22	7
	C10WC008	DPU 4045H	COMPACTOR, VIBROPLATE, 23.5" X 35.5" PLATE, 9000 LBS IMPACT	6 HP	D-off	\$13,306	7.26	1.79	3.16	0.21	0.37	7
	C10WC015	DPU 7060	COMPACTOR, VIBROPLATE, 31.5" X 42" PLATE, 15600 LBS IMPACT	14 HP	D-off	\$23,759	13.19	3.19	5.64	0.37	0.86	15
SUBCATEGORY 0.20 ROLLERS, VIBRATORY												
COMPACTION AMERICA												
	C10BO009	BW 55E	COMPACTOR, ROLLER, VIBRATORY, 22" X 15.7", 0.17 TON SINGLE SMOOTH DRUM, WALK BEHIND, 1X1	4 HP	G	\$5,871	3.52	0.73	1.25	0.10	0.54	3
	C10BO010	BW 35	COMPACTOR, TRENCH ROLLER, VIBRATORY, 15.4"W X 13.8", 0.5T DOUBLE TAMPING FOOT DRUMS, WALK BEHIND, 2X1	4 HP	D-off	\$13,712	6.97	1.68	2.91	0.22	0.25	10
	C10BO014	BW60S	COMPACTOR, ROLLER, 23.6"W, DOUBLE SMOOTH DRUMS	7 HP	D-off	\$16,499	8.56	2.03	3.51	0.27	0.43	18
	C10BO015	BW65S	COMPACTOR, ROLLER, 25.6"W, DOUBLE SMOOTH DRUMS	5 HP	D-off	\$12,727	6.58	1.56	2.70	0.21	0.31	13
	C10BO011	BW 60HG	COMPACTOR, ROLLER, VIBRATORY, 29.9"W X 19.7", 0.9 TON DOUBLE SMOOTH DRUMS, WALK BEHIND, 2X2	8 HP	D-off	\$10,384	5.65	1.28	2.21	0.17	0.49	26
	C10BO016	BW75S-2	COMPACTOR, ROLLER, 29.5"W, DOUBLE SMOOTH DRUMS	9 HP	D-off	\$18,585	9.72	2.28	3.95	0.30	0.55	20
	C10BO013	BMP851	COMPACTOR, TRENCH ROLLER, VIBRATORY, 33.5"W, 6.2 TON DOUBLE TAMPING FOOT DRUMS, WALK BEHIND, 2X1	16 HP	D-off	\$36,793	19.13	4.51	7.82	0.60	0.99	34
RAMMAX MACHINERY CO.												
	C10RX001	P23/16F	COMPACTOR, TRENCH ROLLER, PADFOOT, 23"W, QUAD PADFOOT DRUMS	8 HP	D-off	\$27,349	13.92	3.36	5.81	0.45	0.49	20

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
C10	RAMMAX MACHINERY CO. (continued)											
	C10RX002	P33/24FMR	COMPACTOR, TRENCH ROLLER, PADFOOT, 24"W/33"W, QUAD PADFOOT DRUMS	14 HP	D-off	\$38,842	19.97	4.77	8.25	0.64	0.86	30
	C10RX003	P47/40KM	COMPACTOR, TRENCH ROLLER, PADFOOT, 40"W/47"W, QUAD PADFOOT DRUMS	33 HP	D-off	\$66,139	34.69	8.11	14.05	1.08	2.03	66
	WACKER CORPORATION											
	C10WC010	RSS800A	COMPACTOR, ROLLER, VIBRATORY, 28"W, 2.3 TON SINGLE SMOOTH DRUM, WALK BEHIND, 2X1	11 HP	G	\$12,633	7.96	1.55	2.68	0.21	1.49	11
	C10WC017	RD7H	COMPACTOR, ROLLER, VIBRATORY, 16.5"W, 2.0 TON DOUBLE SMOOTH DRUM, WALK BEHIND, 2X1	9 HP	D-off	\$15,305	8.13	1.88	3.25	0.25	0.55	16
	C10WC019	RT560	COMPACTOR, ROLLER, VIBRATORY, 22"W, 4.2 TON DOUBLE SMOOTH DRUM, WALK BEHIND, 2X1	20 HP	D-off	\$38,874	20.44	4.77	8.26	0.64	1.23	31
	C10WC016	RT820	COMPACTOR, TRENCH ROLLER, VIBRATORY, 32"W, 4.3 TON DOUBLE TAMPING FOOT DRUMS, WALK BEHIND, 2X1	20 HP	D-off	\$39,397	20.69	4.84	8.37	0.65	1.23	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)	2 HP	E	\$8,567	4.14	1.00	1.71	0.14	0.09	2
	C15BL003	1-10D & 6-54 DC	CONCRETE BLASTER CLEANING SYSTEM, 10" PATH (ADD 30 KVA GENERATOR & BLAST MEDIA COST)	10 HP	E	\$41,071	19.02	4.80	8.21	0.69	0.46	7
	C15BL004	1-15D & 6-54-DC	CONCRETE BLASTER CLEANING SYSTEM, 15" PATH (ADD 30 KVA GENERATOR & BLAST MEDIA COST)	15 HP	E	\$48,065	22.45	5.61	9.61	0.80	0.68	8
	C15BL005	2-20D & 8-54-DC	CONCRETE BLASTER CLEANING SYSTEM, 20" PATH (ADD 75 KVA GENERATOR & BLAST MEDIA COST)	30 HP	E	\$70,451	32.89	8.23	14.09	1.18	1.37	12

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
C20	CONCRETE BUGGIES											
	SUBCATEGORY 0.00 CONCRETE BUGGIES											
	WACKER CORPORATION											
	C20WC002	WB 16A	CONCRETE BUGGY, 16 CF BUCKET, 1.25 TON, WALK & RIDE, 4X2	13 HP	G	\$9,788	5.26	1.06	1.79	0.16	1.37	12
	NO SPECIFIC MANUFACTURER											
	C20XX001	10G	CONCRETE BUGGY, 10 CF, 1500 LBS	8 HP	G	\$6,863	3.55	0.74	1.26	0.11	0.85	10
C25	CONCRETE FINISHERS/SCREEDS/SPREADERS											
	SUBCATEGORY 0.10 FINISHERS/TROWELS											
	ALLEN ENGINEERING CORP.											
	C25AJ015	PRO 900	CONCRETE TROWEL, RIDING, 2 - 36" DIA ROTORS	20 HP	G	\$10,523	6.00	1.01	1.68	0.17	2.11	7
	C25AJ016	PRO 1050	CONCRETE TROWEL, RIDING, 2 - 42" DIA ROTORS	20 HP	G	\$11,028	6.16	1.06	1.76	0.18	2.11	8
	C25AJ018	PRO 1200	CONCRETE TROWEL, RIDING, 2 - 46" DIA ROTORS	25 HP	G	\$12,788	7.40	1.24	2.05	0.21	2.64	10
	C25AJ019	SUPER PRO 400	CONCRETE TROWEL, RIDING, 2 - 46" DIA ROTORS	28 HP	G	\$18,545	9.62	1.79	2.97	0.30	2.96	13
	STOW MANUFACTURING, INC.											
	C25ST001	SCT36H80	CONCRETE FINISHER, 36" DIA, ROTO TROWEL	8 HP	G	\$2,384	1.84	0.23	0.38	0.04	0.85	3
	C25ST002	SCT46H80	CONCRETE FINISHER, 46" DIA, ROTO TROWEL	9 HP	G	\$2,588	2.03	0.25	0.41	0.04	0.95	3
	WACKER CORPORATION											
	C25WC002	CT48A	CONCRETE FINISHER, POWER TROWEL, 48" DIA, 4 BLADES	8 HP	G	\$3,132	2.07	0.30	0.50	0.05	0.85	3

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV) 2000 (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER		AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	<i>C25</i>	<i>WACKER CORPORATION (continued)</i>										
	C25WC003	CT46A	CONCRETE FINISHER, POWER TROWEL, 2 SETS OF 4 - 48" DIA BLADES	20 HP	G	\$11,677	6.37	1.13	1.87	0.19	2.11	8
	SUBCATEGORY 0.20		VIBRATORY SCREED									
	ALLEN ENGINEERING CORP.											
	C25AJ003	12HED	CONCRETE, VIBRATORY SCREED, 12.5' WIDE	9 HP	G	\$5,576	2.97	0.54	0.89	0.09	0.95	5
	C25AJ001	12 HD	CONCRETE, VIBRATORY SCREED, 20' WIDE	8 HP	G	\$3,943	2.32	0.38	0.63	0.06	0.85	4
	C25AJ004	12HED	CONCRETE, VIBRATORY SCREED, 30' WIDE	9 HP	G	\$7,966	3.72	0.77	1.27	0.13	0.95	8
	C25AJ005	12HED	CONCRETE, VIBRATORY SCREED, 40' WIDE	11 HP	G	\$9,352	4.43	0.90	1.50	0.15	1.16	10
	C25AJ006	12HED	CONCRETE, VIBRATORY SCREED, 50' WIDE	11 HP	G	\$11,106	4.98	1.07	1.78	0.18	1.16	12
	C25AJ007	12HED	CONCRETE, VIBRATORY SCREED, 55' WIDE	11 HP	G	\$11,812	5.20	1.14	1.89	0.19	1.16	13
	SUBCATEGORY 0.25		VIBRATORY LASER SCREED									
	SOMERO ENTERPRISES, INC.											
	C25SV003	S-100	CONCRETE, VIBRATORY LASER SCREED, 8' WIDE X 12' BOOM	30 HP	D-off	\$137,734	24.96	8.17	11.96	2.19	1.33	72
	C25SV002	S-160	CONCRETE, VIBRATORY LASER SCREED, 8' WIDE X 20' BOOM	65 HP	D-off	\$227,946	42.18	13.56	19.86	3.63	2.87	126
	C25SV001	S-240	CONCRETE, VIBRATORY LASER SCREED, 12' WIDE X 20' BOOM	65 HP	D-off	\$283,643	51.55	16.87	24.70	4.52	2.87	151
	SUBCATEGORY 0.30		MATERIAL/TOPPING SPREADERS									
	ALLEN ENGINEERING CORP.											
	C25AJ008	SP23H	CONCRETE, MATERIAL/TOPPING SPREADER, 12.5' WIDE	6 HP	G	\$13,448	3.00	0.80	1.18	0.21	0.54	11
	C25AJ009	SP23H	CONCRETE, MATERIAL/TOPPING SPREADER, 20' WIDE	6 HP	G	\$14,278	3.14	0.86	1.25	0.23	0.54	12

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV) 2000 (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER		AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	<i>C25</i>	<i>ALLEN ENGINEERING CORP. (continued)</i>										
	C25AJ010	SP23H	CONCRETE, MATERIAL/TOPPING SPREADER, 30' WIDE	6 HP	G	\$15,258	3.31	0.91	1.34	0.24	0.54	13
	C25AJ011	SP23H	CONCRETE, MATERIAL/TOPPING SPREADER, 40' WIDE	6 HP	G	\$16,342	3.49	0.98	1.43	0.26	0.54	14
	C25AJ012	SP23H	CONCRETE, MATERIAL/TOPPING SPREADER, 50' WIDE	6 HP	G	\$17,347	3.66	1.04	1.52	0.28	0.54	15
	C25AJ013	SP23H	CONCRETE, MATERIAL/TOPPING SPREADER, 60' WIDE	6 HP	G	\$18,358	3.83	1.10	1.61	0.29	0.54	17
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)	600 CFM	A	\$11,317	4.64	0.78	1.19	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)	600 CFM	A	\$23,242	5.72	1.60	2.46	0.37	0.00	11
	C35AF004	640 Mix Elevator	CONCRETE GUNITER/SHOTCRETER, DRY BATCH MIXER, 13 CY/HR, W/ FEEDER (ADD SHOTCRETE MACHINE)	30 HP	G	\$39,838	15.66	2.75	4.24	0.63	3.40	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 (ADD SHOTCRETE MACHINE)	54 HP	D-off	\$57,437	18.91	3.94	6.08	0.90	2.82	81
	ALLENTOWN EQUIPMENT											
	C35AL003	GRH-610 ROTARY GUN	CONCRETE GUNITER/SHOTCRETER, ROTARY PUMP, WET/DRY, 1 - 6 CY/HR, TRAILER MTD, W/ HOPPER/ 100' - 1.5" DIA HOSE/ & NOZZLE (ADD 250 - 600 CFM COMPRESSOR)	5 HP	E	\$11,864	3.27	0.76	1.14	0.19	0.24	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)	900 CFM	A	\$10,914	2.93	0.72	1.10	0.17	0.00	15

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	FUEL TYPE			2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	
				MAIN	CARRIER							
C35	ALLENTOWN EQUIPMENT (continued)											
	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)	900 CFM	A	\$23,836	5.86	1.65	2.55	0.37	0.00	13
	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 (ADD SHOTCRETE MACHINE OR ROTARY PUMP)	26 HP	D-off	\$32,982	10.37	2.22	3.40	0.52	1.36	47
	C35AL014	POWER CRETER 10	CONCRETE GUNITER/SHOTCRETER, GROUT/MUD JACK/ SHOTCRETE, 10 CY/HR, 400 PSI, TRAILER MTD, W/ 30 GAL HOPPER/ 74 GAL MIXER (ADD 3" HOSE LINE)	53 HP	D-off	\$54,293	16.62	3.75	5.79	0.85	2.77	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	7 HP	E	\$23,993	8.08	1.67	2.57	0.38	0.34	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	16 HP	E	\$29,169	9.91	2.03	3.13	0.46	0.78	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	26 HP	E	\$52,638	16.07	3.65	5.64	0.83	1.27	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	20 HP	E	\$80,507	22.17	5.54	8.56	1.26	0.98	33
	C35AV011	AL 302	CONCRETE GUNITER/SHOTCRETER, SHOTCRETE HYDRAULIC SPRAYER ARM, 25.6' HIGH (ADD TRUCK OR SMALL TRAILER & SHOTCRETE UNIT)	12 HP	E	\$40,293	12.23	2.79	4.32	0.63	0.59	50
	C35AV012	AL 307	CONCRETE GUNITERS / SHOTCRETTERS, SHOTCRETE HYDRAULIC SPRAYER ARM, 52.5' HIGH (ADD TRUCK OR SMALL TRAILER & SHOTCRETE UNIT)	20 HP	E	\$120,616	32.04	8.36	12.92	1.90	0.98	68

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
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	10 HP	E	\$22,291	7.66	2.15	3.57	0.36	0.46	23
	MULTIQUIP, INC.											
C40MU001	WM 700SH8		CONCRETE MIXERS, MIXER, PLASTER/MORTAR, 6 CF	8 HP	G	\$2,539	1.87	0.23	0.38	0.04	0.85	8
C40MU002	WM 120SH		CONCRETE MIXERS, MIXER, PLASTER/MORTAR, 12 CF	13 HP	G	\$5,561	3.49	0.52	0.86	0.09	1.37	11
C40MU003	MC 62SH8		CONCRETE MIXERS, MIXER, CONCRETE, 6 CF	8 HP	G	\$2,719	1.91	0.24	0.40	0.04	0.85	7
C40MU004	MC 92SH8		CONCRETE MIXERS, MIXER, CONCRETE, 9 CF	8 HP	G	\$3,297	2.10	0.30	0.50	0.05	0.85	8
	ROSS COMPANY											
C40RC005			CONCRETE MIXERS, MIXER, CONCRETE, 12.0 CY, TILT DRUM (ADD DRY BATCH PLANT)	120 HP	E	\$197,831	73.78	18.86	31.38	3.17	5.46	90
	STOW MANUFACTURING, INC.											
C40ST001	CMS4E		CONCRETE MIXERS, MIXER, CONCRETE, 4 CF, PORTABLE	1 HP	E	\$1,785	0.77	0.16	0.26	0.03	0.02	5
C40ST002	CMS4H		CONCRETE MIXERS, MIXER, CONCRETE, 4 CF, PORTABLE	6 HP	G	\$1,995	1.34	0.18	0.29	0.03	0.58	5
C40ST003	CMS6E		CONCRETE MIXERS, MIXER, CONCRETE, 6 CF, PORTABLE	1 HP	E	\$2,448	1.07	0.22	0.36	0.04	0.05	7
C40ST005	CMS9E		CONCRETE MIXERS, MIXER, CONCRETE, 9 CF, PORTABLE	2 HP	E	\$3,332	1.42	0.30	0.50	0.05	0.07	8
	NO SPECIFIC MANUFACTURER											
C40XX001	8E		CONCRETE MIXERS, MIXER, PLASTER/MORTAR, 8 CF, ELECTRIC, PORTABLE	2 HP	E	\$2,927	1.25	0.29	0.47	0.05	0.09	7

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV) 2000 (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER		AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	C40	<i>NO SPECIFIC MANUFACTURER (continued)</i>										
	C40XX002	8G	CONCRETE MIXERS, MIXER, PLASTER/MORTAR, 8 CF, GAS, PORTABLE	7 HP	G	\$3,134	1.93	0.30	0.50	0.05	0.74	7
	C40XX003	10E	CONCRETE MIXERS, MIXER, PLASTER/MORTAR, 10 CF, ELECTRIC, PORTABLE	3 HP	E	\$4,479	1.81	0.43	0.72	0.07	0.14	9
	C40XX004	10G	CONCRETE MIXERS, MIXER, PLASTER/MORTAR, 10 CF, GAS, PORTABLE	8 HP	G	\$4,506	2.50	0.43	0.72	0.07	0.85	10
	C40XX005	12E	CONCRETE MIXERS, MIXER, PLASTER/MORTAR, 12 CF, ELECTRIC, PORTABLE	5 HP	E	\$5,901	2.42	0.56	0.94	0.09	0.23	11
	C40XX006	16E	CONCRETE MIXERS, MIXER, PLASTER/MORTAR, 16 CF, ELECTRIC, PORTABLE	5 HP	E	\$8,224	3.16	0.79	1.32	0.13	0.23	12
	C40XX007	16G	CONCRETE MIXERS, MIXER, PLASTER/MORTAR, 16 CF, GAS, PORTABLE	9 HP	G	\$7,654	3.61	0.73	1.22	0.12	0.95	13
C45	CONCRETE PAVING MACHINES											
	SUBCATEGORY 0.00 CONCRETE PAVING MACHINES											
	GOMACO CORPORATION											
	C45G0013	GT-3200	CONCRETE PAVING MACHINES, CURB/GUTTER SLIPFORM PAVER, 36" WIDE	70 HP	D-off	\$109,376	36.64	9.00	14.58	1.71	3.66	120
	C45G0010	COMMANDER II	CONCRETE PAVING MACHINES, CURB/GUTTER SLIPFORM PAVER, 2-TRACK	92 HP	D-off	\$122,340	41.87	10.07	16.31	1.91	4.81	200
	C45G0014	GT-3600	CONCRETE PAVING MACHINES, CURB/GUTTER SLIPFORM PAVER, 3-TRACK	92 HP	D-off	\$146,185	48.86	12.03	19.49	2.28	4.81	210
	C45G0011	COMMANDER III	CONCRETE PAVING MACHINES, CURB/GUTTER SLIPFORM PAVER, 3-TRACK	169 HP	D-off	\$167,285	60.06	13.76	22.30	2.61	8.83	300
	C45G0012	COMMANDER III	CONCRETE PAVING MACHINES, CURB/GUTTER SLIPFORM PAVER, 12', 4-TRACK	169 HP	D-off	\$286,347	94.99	23.56	38.18	4.47	8.83	369
	C45G0016	GP-2600	CONCRETE PAVING MACHINES, PAVER, 28' WIDE, 4-TRACK	230 HP	D-off	\$345,157	116.20	28.39	46.02	5.38	12.02	750
	C45G0018	GHP-2800	CONCRETE PAVING MACHINES, PAVER, 28' WIDE, 4-TRACK	250 HP	D-off	\$495,311	161.55	40.75	66.04	7.73	13.07	800
	C45G0020	G-4000	CONCRETE PAVING MACHINES, PAVER, 28' WIDE, SLIPFORM, CRAWLER, 4-TRACK	325 HP	D-off	\$538,464	179.08	44.30	71.80	8.40	16.98	1,150
	C45G0025	C-700	CONCRETE PAVING MACHINES, CYLINDER FINISHER, DOUBLE DRUM, 60' WIDE	48 HP	G	\$67,574	26.78	5.56	9.01	1.05	5.44	55
	C45G0031	9500	CONCRETE PAVING MACHINES, TRIMMER/PLACER, W/ 16' HEAD	325 HP	D-off	\$344,159	122.09	28.32	45.89	5.37	16.98	669

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	MILLER SPREADER CO.											
	C45MJ001	MC 650	CONCRETE PAVING MACHINES, CURB BUILDER, 3.7 CF HOPPER 6" AUGER	15 HP	G	\$7,096	4.26	0.59	0.95	0.11	1.70	8
	M-B-W, INC.											
	C45MW001	C100	CONCRETE PAVING MACHINES, RUBBER TIRE, CURB ONLY, 12"	20 HP	D-off	\$41,969	13.47	3.24	5.18	0.65	1.05	26
	C45MW002	C101	CONCRETE PAVING MACHINES, RUBBER TIRE, CURB ONLY, 12"	20 HP	D-off	\$45,114	14.46	3.48	5.55	0.70	1.05	27
	C45MW003	CG200	CONCRETE PAVING MACHINES, RUBBER TIRE, CURB & GUTTER, 48"	20 HP	D-off	\$54,979	17.33	4.21	6.69	0.86	1.05	38
C55	CONCRETE PUMPS											
	SUBCATEGORY 0.00 CONCRETE PUMPS											
	MAYCO PUMP - MULTIQUIP INC.											
	C55M3001	C-30HD	CONCRETE PUMPS, 25 CY/HR, SINGLE, TRAILER MTD	30 HP	G	\$18,454	8.38	1.29	2.05	0.26	3.17	27
	C55M3002	ST-45	CONCRETE PUMPS, 45 CY/HR, SINGLE, TRAILER MTD	57 HP	D-off	\$46,060	14.22	3.24	5.18	0.65	2.75	42
	C55M3003	ST-70	CONCRETE PUMPS, 70 CY/HR, SINGLE, TRAILER MTD	106 HP	D-off	\$58,823	20.16	4.14	6.62	0.83	5.11	47
	MORGEN MANUFACTURING CO.											
	C55MO001	MUSTANG 25, 210-295	CONCRETE PUMPS, 25 CY/HR, TRAILER MTD	30 HP	G	\$31,253	11.38	2.17	3.46	0.44	3.17	29
	C55MO019	MUSTANG 30	CONCRETE PUMPS, 30 CY/HR, TRAILER MTD	73 HP	D-off	\$41,547	14.13	2.90	4.62	0.59	3.52	40
	C55MO003	MUSTANG 9- 50,213-185	CONCRETE PUMPS, 50 CY/HR, TRAILER MTD	110 HP	D-off	\$58,141	20.24	4.06	6.48	0.82	5.31	65
	C55MO018	106-115SV	CONCRETE PUMPS, 115 CY/HR,106' BOOM (ADD 50,000 GVW TRUCK)			\$445,005	104.45	31.14	49.70	6.29	0.00	40

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
OLIN ENGINEERING, INC.												
	C55OE006	10 22	CONCRETE PUMP, 22 CY/HR, TRAILER MTD	74 HP	D-off	\$41,631	14.21	2.91	4.63	0.59	3.57	44
	C55OE009	20 80	CONCRETE PUMP, 76 CY/HR, TRAILER MTD TANDEM	127 HP	D-off	\$82,004	26.85	5.72	9.11	1.16	6.13	72
	C55OE011	15 95	CONCRETE PUMP, 100 CY/HR, TRAILER MTD TANDEM	181 HP	D-off	\$73,267	28.05	5.11	8.13	1.04	8.73	70
	C55OE012	20 100	CONCRETE PUMP, 100 CY/HR, TRAILER MTD TANDEM	181 HP	D-off	\$96,373	33.46	6.73	10.73	1.36	8.73	81
	C55OE001	4Z 26X	CONCRETE PUMPS, PUMP & BOOM, 130 CY/HR, REACH: 72'0" HORIZONTAL / 85'0" VERTICAL (ADD TRUCK)			\$230,995	54.14	16.26	25.99	3.26	0.00	100
	C55OE002	4Z 36X	CONCRETE PUMPS, PUMP & BOOM, 182 CY/HR, REACH: 104'0" HORIZONTAL / 118'0" VERTICAL (ADD TRUCK)			\$296,794	69.56	20.89	33.39	4.19	0.00	100
	C55OE003	5RZ 47I	CONCRETE PUMPS, PUMP & BOOM, 182 CY/HR, REACH: 134'0" HORIZONTAL / 152'0" VERTICAL (ADD TRUCK)			\$452,318	106.02	31.84	50.89	6.39	0.00	100
SCHWING AMERICA INC.												
	C55SC001	WP750 D-18X	CONCRETE PUMP, 70 CY/HR, 1100 PSI, TRAILER MTD	80 HP	D-off	\$66,658	20.42	4.68	7.47	0.94	3.86	69
	C55SC002	BPA 2000HDD-20R	CONCRETE PUMP, 67 CY/HR, 1565 PSI, TRAILER MTD	177 HP	D-off	\$145,608	44.75	10.19	16.26	2.06	8.54	115
	C55SC005	BPL 900/KVM 23	CONCRETE PUMP, 117 CY/HR, 75' BOOM, TRUCK MTD	210 HP	D-on	\$209,643	64.29	14.57	23.21	2.96	12.02	359
	C55SC006	BPL 900/KVM 28	CONCRETE PUMP, 117 CY/HR, 92' BOOM, TRUCK MTD	210 HP	D-on	\$274,143	79.41	19.11	30.47	3.87	12.02	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, 14" BLADE (ADD COST FOR SAWBLADE WEAR & WATER)	65 HP	G	\$15,071	15.97	1.35	2.26	0.22	8.83	13

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	FUEL TYPE			2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	
				MAIN	CARRIER							
<i>C60</i>	<i>CUSHION CUT, INC. (continued)</i>											
	C60CQ002	FS 9B	CONCRETE SAW, 5.625" DEPTH, MANUAL 16" BLADE (ADD COST FOR SAWBLADE WEAR & WATER)	9 HP	G	\$2,449	2.32	0.23	0.37	0.04	1.22	2
	C60CQ003	FS 13BUC	CONCRETE SAW, 5.625" DEPTH, MANUAL 16" BLADE (ADD COST FOR SAWBLADE WEAR & WATER)	13 HP	G	\$2,638	3.09	0.24	0.40	0.04	1.77	2
	C60CQ001	FS 3500/20	CONCRETE SAW, 7.75" DEPTH, SELF-PROPELLED, 20" BLADE (ADD COST FOR SAWBLADE WEAR & WATER)	35 HP	G	\$11,818	9.74	1.06	1.77	0.17	4.76	10
	C60CQ014	FS 3000/26E	CONCRETE SAW, 10.625" DEPTH, 6" BLADE (ADD COST FOR SAWBLADE WEAR & WATER)	30 HP	E	\$12,948	6.45	1.16	1.94	0.19	1.76	13
	C60CQ012	FS 6500/26	CONCRETE SAW, 10.625" DEPTH, 26" BLADE (ADD COST FOR SAWBLADE WEAR & WATER)	65 HP	G	\$15,173	16.00	1.36	2.28	0.22	8.83	13
	C60CQ010	FS 3500/30	CONCRETE SAW, 12.125" DEPTH, SELF PROPELLED, 30" BLADE, W/TRANSAXLE (ADD COST FOR SAWBLADE WEAR & WATER)	35 HP	D-off	\$11,869	6.55	1.07	1.78	0.18	2.16	10
	C60CQ013	FS 6500/36	CONCRETE SAW, 14.875" DEPTH, 36" BLADE (ADD COST FOR SAWBLADE WEAR & WATER)	65 HP	G	\$15,275	16.03	1.38	2.29	0.23	8.83	13
	C60CQ016	FS 7800/36DLS	CONCRETE SAW, 14.875" DEPTH, 36" BLADE (ADD COST FOR SAWBLADE WEAR & WATER)	75 HP	D-off	\$22,152	12.99	1.99	3.32	0.33	4.62	20
	FELKER											
	C60FE002	S80/14Z	CONCRETE SAW, 5.00" DEPTH, HAND HELD 14" BLADE (ADD COST FOR SAWBLADE WEAR & WATER)	2 HP	G	\$1,264	0.74	0.12	0.19	0.02	0.27	1
	C60FE006	ES 1409	CONCRETE SAW, 4.625" DEPTH, WALK BEHIND, 14" BLADE (ADD COST FOR SAWBLADE WEAR & WATER)	9 HP	G	\$2,641	2.38	0.24	0.40	0.04	1.22	2
	C60FE007	ES 1413	CONCRETE SAW, 4.625" DEPTH, WALK BEHIND, 14" BLADE (ADD COST FOR SAWBLADE WEAR & WATER)	13 HP	G	\$2,765	3.12	0.25	0.41	0.04	1.77	2
	C60FE009	ECII20H	CONCRETE SAW, 7.50" DEPTH, WALK BEHIND, 20" BLADE (ADD COST FOR SAWBLADE WEAR & WATER)	20 HP	G	\$8,835	6.22	0.80	1.33	0.13	2.72	6

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV) 2000 (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER		AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	BOART LONGYEAR COMPANY											
	C60LY005	FS 13B	CONCRETE SAW, 7.00" DEPTH, WALK BEHIND(ADD COST FOR SAWBLADE WEAR & WATER)	13 HP	G	\$2,593	3.07	0.24	0.39	0.04	1.77	2
	C60LY001	360-10AP	CONCRETE SAW, RAIL SAW, 15.50" DEPTH, WALL (ADD COMPRESSOR & COST FOR SAWBLADE WEAR & WATER)	10 HP	G	\$23,374	8.96	2.11	3.51	0.35	1.36	2
	C60LY002	360-35HM	CONCRETE SAW, RAIL SAW, 24.50" DEPTH, WALL(ADD COST FOR SAWBLADE WEAR & WATER)	35 HP	G	\$29,558	15.22	2.66	4.43	0.44	4.76	2
	C60LY011	WR-400	CONCRETE SAW, WIRE SAW SYSTEM, HEAVY DUTY (ADD COST FOR WEAR & WATER)	32 HP	D-off	\$64,809	22.62	5.82	9.72	0.96	1.97	15
C65 CONCRETE VIBRATORS												
	SUBCATEGORY 0.00 CONCRETE VIBRATORS											
	STOW MANUFACTURING, INC.											
	C65ST007	SV-1 115V	CONCRETE VIBRATOR, 1.375" HEAD, 21' SHAFT (ADD GENERATOR)	1 HP	E	\$905	0.75	0.11	0.20	0.01	0.04	1
	C65ST008	SV-2 115V	CONCRETE VIBRATOR, 2.375" HEAD, 21' SHAFT (ADD GENERATOR)	2 HP	E	\$1,014	0.90	0.14	0.23	0.02	0.08	1
	C65ST009	SV-3 115V	CONCRETE VIBRATOR, 2.625" HEAD, 21' SHAFT (ADD GENERATOR)	3 HP	E	\$1,133	1.05	0.15	0.25	0.02	0.13	1
	C65ST013	G550HC	CONCRETE VIBRATOR, 2.325" HEAD, W/ GAS MOTOR ON CART	6 HP	G	\$1,914	2.16	0.25	0.43	0.03	0.54	2
	WACKER CORPORATION											
	C65WC005	B 5000	CONCRETE VIBRATOR, 1.75" DIA, W/ GAS MOTOR ON CART	5 HP	G	\$1,554	1.82	0.20	0.35	0.02	0.49	1
	C65WC004	M 3000	CONCRETE VIBRATOR, 1.75" DIA, HI-FREQ INTERNAL (ADD 2KV GENERATOR)	3 HP	E	\$1,235	1.27	0.16	0.28	0.02	0.13	1
	C65WC003	IREN 57	CONCRETE VIBRATOR, 2.50" DIA, HI-FREQ INTERNAL (ADD 2KV GENERATOR)	2 HP	E	\$2,323	2.04	0.30	0.52	0.04	0.08	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
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, 15.0 FT, 4X2	38 HP	G	\$48,768	11.72	2.13	2.91	0.67	4.30	61
	C75BD008	IC-35-2C	CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 4.0 TON, 19.2 FT, 4X2	42 HP	G	\$58,867	13.59	2.58	3.53	0.81	4.76	74
	C75BD004	IC-35	CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 4.0 TON / 19' BOOM, 4X2, NON-ROTATING OPERATOR'S CAB	42 HP	G	\$66,566	14.58	2.91	3.98	0.92	4.76	74
	C75BD009	IC-80-3F	CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 8.5 TON, 30.0 FT, 4X2	66 HP	G	\$76,684	19.36	3.35	4.57	1.06	7.47	160
	C75BD005	IC-80-F	CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 9.0 TON / 30' BOOM, 4X2, NON-ROTATING OPERATOR'S CAB	66 HP	G	\$85,639	20.48	3.74	5.11	1.18	7.47	144
	C75BD006	IC-200-3D	CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 15.0 TON / 50' BOOM, 4X2, NON-ROTATING OPERATOR'S CAB	110 HP	G	\$125,228	31.99	5.45	7.43	1.73	12.46	297
	C75BD010	RT-200-3A	CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 15.0 TON, 49.0 FT, 4X4,	85 HP	D-off	\$129,003	22.46	5.63	7.69	1.78	4.44	300
	C75BD011	RT-300-2BO	CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 15.0 TON, 60.0 FT, 4X4, 20'0" OFFSET	120 HP	D-off	\$233,108	38.19	10.19	13.93	3.22	6.27	473
	GROVE CRANES											
	C75GV026	S4000	CRANES, HYDRAULIC, SELF-PROPELLED, 2.0 TON, 18.0' BOOM, 4X2X2	18 HP	G	\$46,439	8.45	2.04	2.80	0.64	2.04	56
	C75GV027	YB4210	CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 10.0 TON, 24.0' BOOM, 4X2X2	62 HP	G	\$103,197	22.12	4.51	6.18	1.42	7.02	165
	C75GV021	YB4410	CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 10.0 TON / 30' BOOM, 4X4, NON-ROTATING OPERATOR'S CAB	62 HP	G	\$100,749	21.85	4.41	6.03	1.39	7.02	173
	C75GV022	YB4415XT	CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 15 TON / 52' BOOM, 4X4, NON-ROTATING OPERATOR'S CAB	110 HP	D-off	\$120,571	22.79	5.24	7.15	1.66	5.75	313

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>C75</i>	<i>GROVE CRANES (continued)</i>											
	C75GV006	RT58D	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 20 TON / 60' BOOM, 4X4, NON-ROTATING OPERATOR'S CAB	130 HP	D-off	\$237,014	39.34	10.36	14.17	3.27	6.79	441
	C75GV028	RT525E	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 25.0 TON, 75.0' BOOM, 4X4X4	145 HP	D-off	\$242,751	41.63	10.55	14.39	3.35	7.58	500
	C75GV023	RT530E	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 30 TON / 95' BOOM, 4X4	152 HP	D-off	\$290,599	51.07	12.41	16.79	4.01	7.94	580
	C75GV024	RT640C	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 40 TON / 105' BOOM 4X4	152 HP	D-off	\$413,387	66.49	17.82	24.24	5.70	7.94	650
	C75GV019	RT750	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 50 TON / 110' BOOM, 4X4	177 HP	D-off	\$571,916	88.21	24.81	33.84	7.89	9.25	876
	C75GV014	RT760	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 60TON / 110' BOOM, 4X4, W/ HOOK BLOCK & BALL	198 HP	D-off	\$612,784	94.54	26.64	36.36	8.46	10.35	909
	C75GV025	RT870	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 70 TON / 110' BOOM 4X4	198 HP	D-off	\$687,108	103.88	29.92	40.87	9.48	10.35	1,038
	C75GV020	RT890	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 90 TON / 114' BOOM, 4X4	250 HP	D-off	\$720,372	111.69	31.37	42.85	9.94	13.07	1,119
	C75GV016	RT9100	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 100 TON / 114' BOOM, 4X4, W/ HOOK BLOCK & BALL	250 HP	D-off	\$905,766	137.31	39.34	53.67	12.50	13.07	1,364
	PETTIBONE MICHIGAN LLC											
	C75PB001	36MK	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 18.0 TON, 64.1' BOOM, 4X4X4	127 HP	D-off	\$308,025	48.45	13.45	18.40	4.25	6.64	492
	C75PB002	40MK	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 20.0 TON, 64.1' BOOM, 4X4X4	127 HP	D-off	\$318,713	49.79	13.93	19.05	4.40	6.64	492
	TADANO AMERICA CORPORATION											
	C75TD003	TR-300XL-3	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 30 TON / 112' BOOM, 4X4	180 HP	D-off	\$315,003	53.62	13.71	18.72	4.35	9.41	537

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>C75</i>	<i>TADANO AMERICA CORPORATION (continued)</i>											
	C75TD006	TR-350XL-3	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 35 TON / 155' BOOM, 4X4	247 HP	D-off	\$369,482	65.28	16.08	21.95	5.10	12.91	621
	C75TD007	TR-500XL-3	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 50 TON / 175' BOOM, 4X4	247 HP	D-off	\$596,752	93.84	25.79	35.09	8.24	12.91	882
	C75TD008	TR-650XL-3	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 65 TON / 180' BOOM, 4X4	247 HP	D-off	\$553,209	90.82	23.95	32.64	7.63	12.91	945
	TEREX CORPORATION											
	C75TE001	RT230	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 30 TON / 94' BOOM, 4X4	130 HP	D-off	\$296,340	47.17	12.93	17.68	4.09	6.79	563
	C75TE002	RT335/40	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 40 TON / 94' BOOM, 4X4	152 HP	D-off	\$407,635	63.14	17.79	24.32	5.63	7.94	634
	C75TE003	RT450	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 50 TON / 105' BOOM, 4X4	174 HP	D-off	\$390,936	64.14	16.93	23.07	5.39	9.09	767
	C75TE004	RT160	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 60 TON / 115' BOOM, 4X4	215 HP	D-off	\$474,890	75.03	20.18	27.25	6.55	11.24	905
	C75TE005	RT175	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 75 TON / 126' BOOM, 4X4	260 HP	D-off	\$644,335	99.30	27.66	37.54	8.89	13.59	982
	C75TE006	RT190	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 90 TON / 124' BOOM, 4X4	260 HP	D-off	\$696,782	105.89	29.98	40.72	9.62	13.59	1,106
	C75TE007	RT110	CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 100 TON / 149' BOOM, 4X4	260 HP	D-off	\$799,003	123.37	34.74	47.41	11.03	13.59	1,230

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
C80	CRANES, HYDRAULIC, TRUCK MOUNTED											
	SUBCATEGORY 0.01 UNDER 26 TON											
	LINK BELT CONSTRUCTION EQUIPMENT CO.											
	C80LB006	HTC-814	CRANES, HYDRAULIC, TRUCK MTD, 14 TON / 80' BOOM, 6X4	200 HP	D-off	\$330,872	49.58	14.46	19.77	4.57	8.84	486
	C80LB005	ATC-822	CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 22 TON / 70' BOOM, 4X4	190 HP	D-off	\$285,362	43.88	12.46	17.03	3.94	8.40	392
	TEREX CORPORATION											
	C80TE005	T 220	CRANES, HYDRAULIC, TRUCK MTD, 20 TON, 94' BOOM, 6X4X2	242 HP	D-off	\$247,582	42.65	10.77	14.70	3.42	10.70	472
	C80TE006	T 225	CRANES, HYDRAULIC, TRUCK MTD, 25 TON, 94' BOOM, 6X4X2	242 HP	D-off	\$247,582	42.65	10.77	14.70	3.42	10.70	472
	SUBCATEGORY 0.02 26 TON THRU 65 TON											
	GROVE CRANES											
	C80GV025	TMS-540	CRANES, HYDRAULIC, TRUCK MTD, 40 TON / 90' BOOM, 6X4	300 HP	D-off	\$429,301	62.23	17.19	22.61	5.88	13.27	540
	C80GV027	TMS640	CRANES, HYDRAULIC, TRUCK MTD, 40 TON, 105' BOOM, 8X4X4	250 HP	D-off	\$471,932	64.38	18.82	24.71	6.46	11.06	743
	C80GV006	TMS-700B	CRANES, HYDRAULIC, TRUCK MTD, 50 TON / 110' BOOM, 8X4	400 HP	D-off	\$526,175	78.00	21.06	27.71	7.20	17.69	771
	C80GV029	TMS750E	CRANES, HYDRAULIC, TRUCK MTD, 50 TON, 110' BOOM, 8X4X4	400 HP	D-off	\$606,685	86.96	24.20	31.79	8.30	17.69	947
	C80GV028	AT700D	CRANES, HYDRAULIC, TRUCK MTD, 50 TON, 110' BOOM, 8X8X8	400 HP	D-off	\$604,999	86.78	24.13	31.70	8.28	17.69	856
	C80GV026	GMK 3050	CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 55 TON / 125' BOOM, 8X4	349 HP	D-off	\$580,047	81.21	23.16	30.44	7.94	15.43	745
	C80GV030	TMS760E	CRANES, HYDRAULIC, TRUCK MTD, 60 TON, 110' BOOM, 8X4X4	400 HP	D-off	\$607,416	87.04	24.23	31.83	8.31	17.69	949
	LINK BELT CONSTRUCTION EQUIPMENT CO.											
	C80LB007	HTC-830	CRANES, HYDRAULIC, TRUCK MTD, 30 TON / 80' BOOM, 6X4	200 HP	D-off	\$332,266	46.70	13.24	17.37	4.55	8.84	486

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>C80</i>	<i>LINK BELT CONSTRUCTION EQUIPMENT CO. (continued)</i>											
	C80LB004	HTC-8640	CRANES, HYDRAULIC, TRUCK MTD, 40 TON / 105' BOOM, 6X4	350 HP	D-off	\$391,724	61.17	15.63	20.53	5.36	15.48	595
	C80LB003	HTC-8650	CRANES, HYDRAULIC, TRUCK MTD, 50 TON / 110' BOOM, 8X4	365 HP	D-off	\$473,562	70.91	18.85	24.74	6.48	16.14	818
	LINK-BELT CONSTRUCTION EQUIPMENT COMPANY											
	C80LI009	HTC-8640	CRANES, HYDRAULIC, TRUCK MTD, 40 TON, 105' BOOM, 6X4X2	350 HP	D-off	\$382,488	60.24	15.25	20.02	5.24	15.48	575
	C80LI010	HTC-8650	CRANES, HYDRAULIC, TRUCK MTD, 50 TON, 110' BOOM, 8X4X4	315 HP	D-off	\$456,474	66.31	18.19	23.87	6.25	13.93	757
	C80LI011	HTC-8660	CRANES, HYDRAULIC, TRUCK MTD, 60 TON, 110' BOOM, 8X4X4	365 HP	D-off	\$481,664	71.83	19.16	25.14	6.59	16.14	825
	TEREX CORPORATION											
	C80TE001	T230	CRANES, HYDRAULIC, TRUCK MTD, 30 TON / 94' BOOM, 6X4	250 HP	D-off	\$372,965	53.64	14.90	19.58	5.11	11.06	506
	C80TE002	T335/40	CRANES, HYDRAULIC, TRUCK MTD, 40 TON / 94' BOOM, 6X4	250 HP	D-off	\$299,272	45.90	11.92	15.63	4.10	11.06	493
	C80TE003	T 500	CRANES, HYDRAULIC, TRUCK MTD, 50 TON / 110' BOOM, 8X4	370 HP	D-off	\$399,045	63.28	15.85	20.78	5.46	16.36	806
	C80TE007	T 560	CRANES, HYDRAULIC, TRUCK MTD, 60 TON, 110' BOOM, 8X4X4, 32 FT	316 HP	D-off	\$393,841	59.72	15.67	20.55	5.39	13.97	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	\$706,825	93.58	26.13	33.06	9.60	17.69	9,161
	C80GV031	TMS875C	CRANES, HYDRAULIC, TRUCK MTD, 75 TON, 110' BOOM, 8X4X4	400 HP	D-off	\$684,374	91.53	25.26	31.93	9.29	17.69	817
	C80GV023	GMK 4085B	CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 85 TON / 125' BOOM, 8X4	335 HP	D-off	\$885,619	108.01	32.77	41.50	12.02	14.81	896
	C80GV032	GMK4090	CRANES, HYDRAULIC, TRUCK MTD, 90 TON, 142' BOOM, 8X6X8	422 HP	D-off	\$939,062	121.63	34.55	43.60	12.75	18.66	1,184
	C80GV022	TMS-9120	CRANES, HYDRAULIC, TRUCK MTD, 120 TON / 110' BOOM, 8X4	400 HP	D-off	\$1,196,062	142.78	44.32	56.16	16.24	17.69	1,095

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT	
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL		
LINK BELT CONSTRUCTION EQUIPMENT CO.													
	C80LB001	HTC-8670	CRANES, HYDRAULIC, TRUCK MTD, 70 TON /115' BOOM, 8X4	365 HP	D-off	\$543,253	75.40	20.02	25.28	7.38	16.14	936	
	C80LB002	HTC-11100	CRANES, HYDRAULIC, TRUCK MTD, 100 TON /115' BOOM, 8X4	430 HP	D-off	\$729,836	98.07	26.89	33.96	9.91	19.01	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	\$606,875	73.94	22.15	27.81	8.24	8.68	1,090
	C80TD002	ATF-1000XL	CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 100 TON / 138' BOOM, 8X8	158 HP	D-off	375 HP D-on	\$757,038	91.19	27.73	34.90	10.28	10.57	1,070
SUBCATEGORY 0.04 OVER 125 TON													
GROVE CRANES													
	C80GV013	GMK 5150B	CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 150 TON / 173' BOOM, 10X8	165 HP	D-off	526 HP D-on	\$1,259,592	139.55	43.57	53.09	17.02	12.32	1,180
	C80GV014	GMK 5175	CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 175 TON / 173' BOOM, 10X8	165 HP	D-off	526 HP D-on	\$1,609,002	173.20	55.71	67.94	21.74	12.32	1,336
	C80GV015	GMK 5210	CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 210 TON / 173' BOOM, 10X8	165 HP	D-off	571 HP D-on	\$1,730,569	185.43	59.93	73.10	23.38	12.75	2,348
	C80GV016	GMK 6300B	CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 300 TON / 173' BOOM, 12X8	269 HP	D-off	533 HP D-on	\$2,208,223	237.12	76.50	93.31	29.84	16.98	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	\$908,690	125.13	31.11	37.66	12.28	28.37	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		\$634,005	83.66	24.84	31.70	8.99	9.87	1,480

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
C85	<i>LINK BELT CONSTRUCTION EQUIPMENT CO. (continued)</i>											
	C85LB020	LS-218H II	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 100 TON / 100' BOOM (ADD BUCKET)	263 HP	D-off	\$833,097	105.90	32.64	41.65	11.81	9.87	1,773
	TEREX CORPORATION											
	C85TE001	5220	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 50 TON / 100' BOOM (ADD BUCKET)	150 HP	D-off	\$539,836	67.63	21.15	26.99	7.65	5.63	831
	C85TE002	7225	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 85 TON / 100' BOOM (ADD BUCKET)	250 HP	D-off	\$750,986	96.11	29.43	37.55	10.65	9.38	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	\$922,393	106.88	33.50	41.00	13.00	7.77	2,435
	C85LB022	LS-248H II	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 200 TON / 120' BOOM (ADD BUCKET)	248 HP	D-off	\$1,234,313	141.71	44.82	54.86	17.39	9.30	3,228
	MANITOWOC ENGINEERING CO.											
	C85MA001	3900 VICON	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 3.5 CY /80' BOOM (ADD BUCKET)	335 HP	D-off	\$946,892	115.19	34.38	42.08	13.34	12.57	1,988
	C85MA002	4100W VICON #1	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 5.0 CY /130' BOOM (ADD BUCKET)	335 HP	D-off	\$1,527,915	176.68	55.49	67.91	21.53	12.57	3,815
TEREX CORPORATION												
C85TE003	9225	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 150 TON / 100' BOOM (ADD BUCKET)	335 HP	D-off	\$946,124	115.11	34.36	42.05	13.33	12.57	2,482	

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV) 2000 (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER		AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	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	\$1,503,327	171.87	51.15	60.13	21.08	16.51	4,313
MANITOWOC ENGINEERING CO.												
C85MA003	4600 VICON #3		CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 7.0 CY /140' BOOM (ADD BUCKET)	680 HP	D-off	\$1,789,132	211.65	60.88	71.57	25.09	25.51	5,100
C85MA009	888		CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 10 CY / 70' BOOM (ADD BUCKET)	330 HP	D-off	\$1,188,119	135.01	40.42	47.52	16.66	12.38	3,397
SUBCATEGORY 0.22 LIFTING, 26 TON THRU 50 TON												
KOBELCO AMERICA INC.												
C85KC007	CK550		CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 50 TON, 30.0' BOOM, LIFTING	178 HP	D-off	\$495,936	53.43	18.01	22.04	6.99	5.01	1,001
LINK BELT CONSTRUCTION EQUIPMENT CO.												
C85LB018	LS-108H II		CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 50 TON / 70' BOOM, LIFTING	147 HP	D-off	\$404,447	43.65	14.69	17.98	5.70	4.14	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	\$535,958	56.39	18.63	22.78	7.24	5.01	1,071
C85KC005	CK850		CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 85 TON / 180' BOOM, LIFTING	213 HP	D-off	\$618,265	65.30	21.49	26.28	8.35	5.99	1,729
C85KC003	CK1000		CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 100 TON / 200' BOOM, LIFTING	265 HP	D-off	\$849,005	88.75	29.51	36.08	11.47	7.46	1,899

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
LINK BELT CONSTRUCTION EQUIPMENT CO.												
	C85LB013	LS-208H II	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 80 TON / 190' BOOM, LIFTING	263 HP	D-off	\$667,888	71.65	23.22	28.39	9.02	7.40	1,456
	C85LB014	LS-218H II	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 110 TON / 230' BOOM, LIFTING	263 HP	D-off	\$876,371	91.27	30.47	37.25	11.84	7.40	1,906
	C85LB015	LS-238H	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 150 TON / 240' BOOM, LIFTING	207 HP	D-off	\$987,787	99.87	34.34	41.98	13.35	5.82	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	\$590,960	62.54	20.54	25.12	7.98	5.82	1,454
MANITOWOC ENGINEERING CO.												
	C85MA004	3900 VICON	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 100 TON / 210' BOOM, LIFTING	335 HP	D-off	\$974,194	102.89	33.86	41.40	13.16	9.43	2,354
	C85MA008	3950W	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 125 TON / 260' BOOM, LIFTING	335 HP	D-off	\$1,247,257	128.58	43.36	53.01	16.85	9.43	3,121
	C85MA005	3900W VICON #2	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 140 TON / 250' BOOM, LIFTING	335 HP	D-off	\$1,113,291	115.97	38.70	47.31	15.04	9.43	2,744
TEREX CORPORATION												
	C85TE008	HC 80	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 80 TON / 200' BOOM, LIFTING	184 HP	D-off	\$586,108	61.31	20.38	24.91	7.92	5.18	1,527
	C85TE009	HC 100	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 100 TON / 230' BOOM, LIFTING	230 HP	D-off	\$729,945	76.37	25.37	31.02	9.86	6.47	2,033
	C85TE010	HC 125	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 125 TON / 240' BOOM, LIFTING	240 HP	D-off	\$927,540	95.30	32.24	39.42	12.53	6.75	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	\$1,057,955	106.75	34.66	40.88	14.22	8.86	2,804
	C85AM017	HC 210	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 210 TON, 50' BOOM, LIFTING	315 HP	D-off	\$1,130,154	113.31	37.03	43.67	15.19	8.86	3,344

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
KOBELCO AMERICA INC.												
	C85KC008	CK2000	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 200 TON / 50' BOOM, LIFTING	316 HP	D-off	\$1,126,211	112.98	36.90	43.51	15.14	8.89	3,622
	C85KC006	CK2500	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 250 TON / 280' BOOM, LIFTING	279 HP	D-off	\$1,586,775	153.53	51.99	61.31	21.33	7.85	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	\$1,285,985	125.17	42.14	49.69	17.29	6.98	3,341
	C85LB017	LS-278H	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 250 TON / 330' BOOM, LIFTING	440 HP	D-off	\$1,682,045	167.65	55.11	64.99	22.61	12.38	4,309
MANITOWOC ENGINEERING CO.												
	C85MA006	4100W VICON #1	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 200 TON / 260' BOOM, LIFTING	335 HP	D-off	\$1,458,660	143.81	47.79	56.36	19.61	9.43	3,929
	C85MA010	888	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 230 TON / 300' BOOM, LIFTING	330 HP	D-off	\$1,485,227	146.05	48.66	57.38	19.97	9.29	3,697
	C85MA007	4600 VICON #3	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 240 TON / 260' BOOM, LIFTING	431 HP	D-off	\$2,295,088	223.00	75.20	88.67	30.86	12.13	4,942
TEREX CORPORATION												
	C85TE014	HC 185	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 185 TON / 280' BOOM, LIFTING	315 HP	D-off	\$1,250,040	124.19	40.96	48.30	16.81	8.86	3,076
	C85TE011	HC 210	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 210 TON / 280' BOOM, LIFTING	315 HP	D-off	\$1,369,150	135.00	44.86	52.90	18.41	8.86	3,708
	C85TE012	9310-A	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 225 TON / 280' BOOM, LIFTING	335 HP	D-off	\$1,374,355	136.16	45.03	53.10	18.48	9.43	3,984
	C85TE013	9320	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 250 TON / 280' BOOM, LIFTING	335 HP	D-off	\$1,508,352	148.33	49.42	58.28	20.28	9.43	4,273

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT	
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	FUEL TYPE			2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM		FUEL
				MAIN	CARRIER								
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	\$1,208,583	130.90	40.87	47.84	16.95	10.63	1,913
C90LB002	HC-248H		CRANES, MECHANICAL, LATTICE BOOM, TRUCK MTD, 200 TON / 280' BOOM, 8X4	248 HP	D-off	430 HP D-on	\$1,393,463	150.10	47.16	55.24	19.54	12.06	2,476
C90LB003	HC-278H		CRANES, MECHANICAL, LATTICE BOOM, TRUCK MTD, 300 TON / 330' BOOM, 12X6	360 HP	D-off	430 HP D-on	\$2,211,126	233.93	74.85	87.70	31.00	15.96	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		\$433,978	55.54	15.76	19.29	6.11	5.41	970
C95AP005	S16-35 TOWER SECTION		TOWER CRANE OPTION, 1.1' T-TRANSITION S35 - S16 (ADD SK 140 - SK 225 TOWER CRANE)				\$13,686	1.38	0.50	0.61	0.19	0.00	16
C95AP006	S35 TOWER SECTION		TOWER CRANE OPTION, 19.33' TOWER SECTION (ADD TO SK 140 - SK 400 TOWER CRANE)				\$25,527	2.57	0.93	1.13	0.36	0.00	89
C95AP007	SK400		TOWER CRANE, 3.3 TON @ 245' RADIUS, 56.7' HEIGHT (ADD 160 KW GENERATOR & T-SECTION)	213 HP	E		\$685,556	87.07	24.90	30.47	9.66	9.00	1,783
C95AP008	S35 CLIMBING UNIT		TOWER CRANE OPTION, 29.2' CLIMBING UNIT (ADD TO SK 200 - SK 400 TOWER CRANE)				\$104,161	11.00	3.79	4.63	1.47	0.00	248
C95AP009	S35-60 TOWER SECTION		TOWER CRANE OPTION, 19.4' T-TRANSITION S60 S35 (ADD SK 225 - SK 560 TOWER CRANE)				\$34,523	3.48	1.26	1.53	0.49	0.00	99
C95AP010	SK560		TOWER CRANE, 2.8 TON @ 265' RADIUS, 76.5' HEIGHT (ADD 161 KW GENERATOR & T-SECTION)	217 HP	E		\$915,538	110.50	33.25	40.69	12.90	9.17	1,557
C95AP011	S60 TOWER SECTION		TOWER CRANE OPTION, 19.33' TOWER SECTION (ADD TO SK 225 - SK 560 TOWER CRANE)				\$32,229	3.24	1.17	1.43	0.45	0.00	99

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>C95</i>	<i>PECCO AND WOLFF TOWER CRANES (continued)</i>											
	C95AP012	S60 CLIMB UNIT	TOWER CRANE OPTION, 32.8' CLIMBING UNIT (ADD TO SK 225 - SK 560 TOWER CRANE)			\$130,180	13.62	4.73	5.79	1.83	0.00	258
	C95AP013	SN355	TOWER CRANE, 3.8 TON @ 197' RADIUS, 110' TALL, LUFFING (ADD 300 KW GENERATOR & T- SECTION)	354 HP	E	\$874,700	114.72	31.76	38.88	12.32	14.96	2,748
	C95AP014	SN35 TOWER SECTION	TOWER CRANE OPTION, 14.75' TOWER SECTION (ADD TO SN 141 - SN 355 TOWER CRANE)			\$29,334	2.95	1.06	1.30	0.41	0.00	89
	C95AP015	SN35 CLIMBING UNIT	TOWER CRANE OPTION, 29.2' CLIMBING UNIT (ADD TO SN 141 - SN 355 TOWER CRANE)			\$113,407	11.93	4.12	5.04	1.60	0.00	248
	C95AP016	S35N-60TOWER SECTION	TOWER CRANE OPTION, 19.4' T-TRANSITION S60 S35N (ADD SN 141 - SK 355 TOWER CRANE)			\$39,532	3.99	1.44	1.76	0.56	0.00	99
	C95AP017	SK140	TOWER CRANE, 3.1 TON @ 151' RADIUS, 85.0' HEIGHT (ADD 95KW GENERATOR & T- SECTION)	125 HP	E	\$369,894	47.89	13.43	16.44	5.21	5.28	1,309
	C95AP018	S16 TOWER SECTION	TOWER CRANE OPTION, 14.75' TOWER SECTION (ADD TO SK 140 - SK 200 TOWER CRANE)			\$12,156	1.22	0.44	0.54	0.17	0.00	55
	C95AP019	S16 CLIMBING UNIT	TOWER CRANE OPTION, 29.2' CLIMBING UNIT (ADD TO SK140 - SK 200 TOWER CRANE)			\$70,379	7.60	2.56	3.13	0.99	0.00	165
	C95AP020	SN141	TOWER CRANE, 1.6 TON @ 147' RADIUS, 89' TALL, LUFFING (ADD 200 KW GENERATOR & T- SECTION)	223 HP	E	\$407,986	57.69	14.82	18.13	5.75	9.42	1,082
	C95AP021	SN160-16	TOWER CRANE, 2.8 TON @ 164' RADIUS, 88' TALL, LUFFING (ADD 250 KW GENERATOR & T- SECTION)	258 HP	E	\$638,615	84.07	23.19	28.38	9.00	10.90	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	\$96,031	12.13	3.49	4.27	1.35	1.01	130
	C95AP023	MAST SECTION	TOWER CRANE OPTION, 4.9' MAST-> PERSON/MATERIAL ELEVATOR/HOIST (ADD WALL TIE & CABLE GUIDE @30')			\$2,268	0.23	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	\$336,021	38.29	12.13	14.80	4.73	1.48	1,593

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
C95	MORROW EQUIPMENT COMPANY, LLC (continued)											
	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	\$469,250	54.66	16.95	20.68	6.61	2.75	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	\$378,536	47.79	13.74	16.82	5.33	4.61	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	\$492,518	62.65	17.89	21.89	6.94	6.25	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	\$919,999	111.31	33.41	40.89	12.96	9.42	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	\$1,174,838	137.00	42.66	52.22	16.55	9.42	3,765
	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	\$1,565,765	184.13	56.86	69.59	22.06	13.39	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 CO.											
	D10IR003	ECM350/VL140	DRILLS, AIR TRACK, CRAWLER, 2.5-4" DIA, 12' FEED (ADD COST FOR DRILL STEEL AND BIT WEAR, ADD 750 CFM COMPRESSOR)	750 CFM	A	\$119,769	16.90	4.98	6.42	1.77	0.00	129

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
SULLIVAN INDUSTRIES, INC.												
	D10SU002	RAM EXT, VCR360	DRILLS, AIR TRACK, CRAWLER, 2.5-4" DIA, 12' FEED (ADD COST FOR DRILL STEEL AND BIT WEAR, ADD 750 CFM COMPRESSOR)	600 CFM	A	\$147,558	20.64	6.13	7.90	2.18	0.00	152
	D10SU003	RAM EXT, VCR361	DRILLS, AIR TRACK, CRAWLER, 3.0-4" DIA, 12' FEED (ADD COST FOR DRILL STEEL AND BIT WEAR, ADD 900 CFM COMPRESSOR)	850 CFM	A	\$150,923	21.10	6.28	8.09	2.23	0.00	205
SUBCATEGORY 0.20 HYDRAULIC TRACK (Add cost for drill steel and bit wear)												
INGERSOLL RAND CO.												
	D10IR005	ECM590/YH80A	DRILLS, 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	\$373,486	82.97	19.67	28.01	5.66	11.81	245
SULLIVAN INDUSTRIES, INC.												
	D10SU005	SCORPION VCR360	DRILLS, HYDRAULIC TRACK, CRAWLER, 5.25" DIA, 12' FEED (ADD COST FOR DRILL STEEL AND BIT WEAR)	260 HP	D-off	\$163,836	47.74	8.63	12.29	2.48	14.28	265
	D10SU006	SCORPION VCR361	DRILLS, HYDRAULIC TRACK, CRAWLER, 6.5" DIA, 12' FEED (ADD COST FOR DRILL STEEL AND BIT WEAR)	260 HP	D-off	\$165,832	48.11	8.73	12.44	2.51	14.28	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	16	DRILL, HORIZONTAL BORING, 16" DIA, COMBINED HEAD 30,000# THRUST, W/ 100' AUGER TRACK (ADD COST FOR DRILL STEEL AND BIT WEAR)	16 HP	G	\$15,793	5.21	0.83	1.18	0.24	1.93	18
	D15BI002	20	DRILL, HORIZONTAL BORING, 20" DIA, COMBINED HEAD 44,000# THRUST, W/ 100' AUGER TRACK (ADD COST FOR DRILL STEEL AND BIT WEAR)	20 HP	D-off	\$21,286	5.07	1.12	1.60	0.32	1.10	15

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>D15</i>	<i>BOR-IT MANUFACTURING COMPANY INC. (continued)</i>											
	D15BI003	24	DRILL, HORIZONTAL BORING, 24" DIA, COMBINED HEAD 84,000# THRUST, W/ 100' AUGER TRACK (ADD COST FOR DRILL STEEL AND BIT WEAR)	30 HP	D-off	\$33,134	7.81	1.75	2.49	0.50	1.65	38
	D15BI004	30	DRILL, HORIZONTAL BORING, 30" DIA, COMBINED HEAD 170,000# THRUST, W/ 100' AUGER TRACK (ADD COST FOR DRILL STEEL AND BIT WEAR)	45 HP	D-off	\$46,054	11.07	2.43	3.45	0.70	2.47	70
	D15BI005	36	DRILL, HORIZONTAL BORING, 36" DIA, COMBINED HEAD 225,000# THRUST, W/ 100' AUGER TRACK (ADD COST FOR DRILL STEEL AND BIT WEAR)	68 HP	D-off	\$70,282	16.86	3.71	5.27	1.07	3.74	90
	D15BI006	48	DRILL, HORIZONTAL BORING, 48" DIA, COMBINED HEAD 525,000# THRUST, W/ 100' AUGER TRACK (ADD COST FOR DRILL STEEL AND BIT WEAR)	110 HP	D-off	\$109,922	26.61	5.79	8.24	1.67	6.04	170
	D15BI008	54	DRILL, HORIZONTAL BORING, 54" DIA, COMBINED HEAD 32,700,000# THRUST, W/ 100' AUGER TRACK (ADD COST FOR DRILL STEEL AND BIT WEAR)	171 HP	D-off	\$134,651	35.07	7.09	10.10	2.04	9.39	250
	D15BI007	60	DRILL, HORIZONTAL BORING, 60" DIA, COMBINED HEAD 1,100,000# THRUST, W/ 100' AUGER TRACK (ADD COST FOR DRILL STEEL AND BIT WEAR)	171 HP	D-off	\$161,036	39.65	8.48	12.08	2.44	9.39	250
	NO SPECIFIC MANUFACTURER											
	D15XX001	MC-500H	DRILL, HORIZONTAL BORING, 3" - 6" DIA, 15,000 # THRUST, HYDRAULIC MOTOR (ADD COST FOR DRILL STEEL AND BIT WEAR)			\$6,095	1.06	0.32	0.46	0.09	0.00	10
	D15XX002	H-12/RM-12	DRILL, HORIZONTAL BORING, 4" - 12" DIA, 24,000 # THRUST, HYDRAULIC MOTOR (ADD COST FOR DRILL STEEL AND BIT WEAR)			\$9,189	1.60	0.49	0.69	0.14	0.00	12

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
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	DRILLS, CORE, COLUMN MOUNTED, 4" DIA MAX CORE HOLE (ADD COST FOR DRILL STEEL AND BIT WEAR)	2 HP	E	\$4,224	1.28	0.27	0.40	0.07	0.10	1
	D20AD002	930-E	DRILLS, CORE, COLUMN MOUNTED, 10" DIA MAX CORE HOLE (ADD COST FOR DRILL STEEL AND BIT WEAR)	2 HP	E	\$4,290	1.28	0.27	0.40	0.07	0.10	2
	D20AD006	1040-E	DRILLS, CORE, COLUMN MOUNTED, 10" DIA MAX CORE HOLE (ADD COST FOR DRILL STEEL AND BIT WEAR)	4 HP	E	\$6,995	2.15	0.44	0.66	0.11	0.21	1
	D20AD007	1200-G	DRILLS, CORE, COLUMN MOUNTED, 12" DIA MAX CORE HOLE (ADD COST FOR DRILL STEEL AND BIT WEAR)	8 HP	E	\$11,538	3.79	0.72	1.08	0.18	0.42	3
	CUSHION CUT, INC.											
	D20CQ001	HCD24/12	DRILLS, CORE, COLUMN MOUNTED, 9"-36" BIT DIA (ADD COST FOR DRILL STEEL AND BIT WEAR)	42 HP	G	\$27,068	12.90	1.69	2.54	0.42	5.07	11
	BOART LONGYEAR COMPANY											
	D20LY001	752	DRILLS, CORE, COLUMN MOUNTED, W/ E4-230/110 MOTOR (110V) (ADD COST FOR DRILL STEEL AND BIT WEAR)	3 HP	E	\$6,221	2.01	0.39	0.58	0.10	0.16	2
	D20LY002	42N	DRILLS, CORE, COLUMN MOUNTED, W/ A4-350 MOTOR (ADD COST FOR DRILL STEEL AND BIT WEAR AND ADD AIR COMPRESSOR)	185 CFM	A	\$6,430	1.93	0.40	0.60	0.10	0.00	3

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
D25	DRILLS, CORE, SKID MOUNTED (Add cost for drill steel and bit wear)											
	SUBCATEGORY 0.00 DRILLS, CORE, SKID MOUNTED (Add cost for drill steel and bit wear)											
	ACKER DRILL COMPANY INC.											
	D25AD004	ACEW	DRILLS, CORE, SKID MTD, 725' MAX DRILL DEPTH (ADD COST FOR DRILL STEEL AND BIT WEAR)	28 HP	D-off	\$60,042	12.84	3.16	4.50	0.91	1.54	35
	D25AD003	BUSH MASTER	DRILLS, CORE, SKID MTD, NX, 1500' MAX DRILL DEPTH (ADD COST FOR DRILL STEEL AND BIT WEAR)	69 HP	D-off	\$75,258	18.34	3.96	5.64	1.14	3.79	45
	E-Z DRILL, INC.											
	D25EZ002	210 B	DRILLS, CORE, SKID MTD, HORIZONTAL DOWELLING ASSEMBLY, 18" DEPTH (ADD COST FOR DRILL STEEL AND BIT WEAR, ADD 100 CFM COMPRESSOR)	100 CFM	A	\$7,002	1.80	0.36	0.50	0.11	0.00	3
	D25EZ003	210 SRA	DRILLS, CORE, SKID MTD, HORIZONTAL DOWELLING ASSEMBLY, 18" DEPTH (ADD COST FOR DRILL STEEL AND BIT WEAR, ADD 100 CFM COMPRESSOR)	100 CFM	A	\$7,467	1.86	0.38	0.54	0.11	0.00	3
	D25EZ001	210 SR HORIZONTAL	DRILLS, CORE, SKID MTD, HORIZONTAL DOWELLING ASSEMBLY, 18" DEPTH (ADD COST FOR DRILL STEEL AND BIT WEAR, ADD 100 CFM COMPRESSOR)	100 CFM	A	\$8,191	1.99	0.43	0.61	0.12	0.00	3
	D25EZ005	210-3 SRA	DRILLS, CORE, DOWELLING MACHINE, SELF PROPELLED, 18" DEPTH (ADD COST FOR DRILL STEEL AND BIT WEAR, ADD 100 CFM COMPRESSOR)	100 CFM	A	\$27,802	6.35	1.45	2.05	0.42	0.00	12

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT		
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL			
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	\$96,794	34.07	5.10	7.26	1.47	11.54	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	\$145,390	48.04	7.65	10.90	2.20	14.83	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	\$189,373	61.54	9.97	14.20	2.87	18.40	269		
	MOBILE DRILLING COMPANY, INC.													
D30MR001	MINUTEMAN		DRILLS, 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	\$8,197	2.73	0.43	0.61	0.12	0.97	4		
D30MR003	B-31		DRILLS, 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	\$81,991	19.00	4.29	6.09	1.24	3.19	42		
D30MR005	B-53		DRILLS, 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	\$150,618	62.11	7.84	11.12	2.28	27.56	120
D30MR006	B-58		DRILLS, 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	\$173,382	42.24	9.05	12.83	2.63	8.28	130

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	FUEL TYPE			2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	
				MAIN	CARRIER							
D30	MOBILE DRILLING COMPANY, INC. (continued)											
	D30MR007	B-61HDX	DRILLS, EARTH / AUGER, MULTI-PURPOSE, 8" DIA, 375' DEPTH, 20,000 FT-LBS TORQUE W/ 33,000 GWV TRUCK(ADD COST FOR DRILL STEEL AND CUTTING EDGE WEAR)	115 HP D-off	205 HP D-on	\$246,526	55.61	12.90	18.31	3.74	8.28	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, TRUCK MTD, 148' DEEP (ADD COST FOR DRILL STEEL AND BIT WEAR)	400 HP D-off	350 HP D-on	\$333,180	79.64	14.29	19.04	4.77	25.32	525
	D35RD004	SK40I	DRILL, ROTARY BLASTHOLE, 5"-8" DIA, CRAWLER, 173' DEEP (ADD COST FOR DRILL STEEL AND BIT WEAR)	430 HP D-off		\$460,451	94.88	19.75	26.31	6.59	23.62	880
	D35RD005	SK45I	DRILL, ROTARY BLASTHOLE, LP, 6"-9" DIA, CRAWLER, 178' DEEP (ADD COST FOR DRILL STEEL AND BIT WEAR)	430 HP D-off		\$465,919	95.63	19.98	26.62	6.67	23.62	900
	D35RD007	SK50I HP	DRILL, ROTARY BLASTHOLE, HP, 6.5"-9" DIA, CRAWLER, 178' DEEP, (ADD COST FOR DRILL STEEL AND BIT WEAR)	750 HP D-off		\$536,215	128.77	22.99	30.64	7.67	41.21	910
	D35RD006	SK50I	DRILL, ROTARY BLASTHOLE, 7"-9.875" DIA, CRAWLER, 178' DEEP (ADD COST FOR DRILL STEEL AND BIT WEAR)	430 HP D-off		\$485,759	98.36	20.83	27.76	6.95	23.62	900
	SUBCATEGORY 0.12		DIESEL, OVER 9.875" DIAMETER (Add cost for drill steel and bit wear)									
	INGERSOLL RAND CO.											
	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	\$468,838	90.25	16.92	20.61	6.61	29.18	660
	D35IB003	TH-60	DRILL, ROTARY BLASTHOLE, WATER WELL, 16" DIA, TRUCK MTD (ADD COST FOR DRILL STEEL AND BIT WEAR)	475 HP D-off	380 HP D-on	\$491,857	93.14	17.78	21.69	6.93	29.73	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	\$543,499	106.20	19.63	23.93	7.66	35.22	688

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT		
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL			
D35	<i>INGERSOLL RAND CO. (continued)</i>													
	D35IB006	T4W	DRILL, ROTARY BASTHOLE, 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	\$571,449	110.11	20.64	25.17	8.05	35.87	688
	REEDRILL, INC.													
	D35RD009	SK75I	DRILL, ROTARY BASTHOLE, 9"-12" DIA, CRAWLER, 175' DEEP (ADD COST FOR DRILL STEEL AND BIT WEAR)	750 HP	D-off			\$758,819	136.27	27.56	33.73	10.69	41.21	1,530
F10	FORK LIFTS													
	SUBCATEGORY 0.00 FORK LIFTS													
	CATERPILLAR LIFT TRUCKS,													
	F10C4039	TH-62	FORK LIFT, ROUGH TERRAIN, 3,000# @ 25' HIGH TELESCOPING MAST, 4X4	105 HP	D-off			\$74,415	17.96	3.96	5.74	1.09	4.64	178
	F10C4040	TH-63	FORK LIFT, ROUGH TERRAIN, 6,000# @ 41' HIGH TELESCOPING MAST W/STAB-PADS,4X4	105 HP	D-off			\$100,715	22.16	5.41	7.85	1.48	4.64	264
	F10C4042	TH-83	FORK LIFT, ROUGH TERRAIN, 8,000# @ 41' HIGH TELESCOPING MAST W/STAB-PADS,4X4	105 HP	D-off			\$111,558	23.76	6.03	8.77	1.64	4.64	278
	F10C4043	TH-103	FORK LIFT, ROUGH TERRAIN, 10,000# @ 44' HIGH TELESCOPING MAST W/STAB-PADS,4X4	105 HP	D-off			\$118,516	25.13	6.35	9.21	1.74	4.64	348
	JCB INC.													
	F10JC001	930-4	FORK LIFT, ROUGH TERRAIN, 6,000# @ 28.00' HIGH	67 HP	D-off			\$56,343	12.86	2.98	4.30	0.83	2.96	150
	F10JC002	940-4	FORK LIFT, ROUGH TERRAIN, 8,000# @ 30.00' HIGH	67 HP	D-off			\$64,167	14.11	3.40	4.92	0.94	2.96	161
	DEERE & COMPANY													
	F10JD001	485E	FORK LIFT, YARD, 5,000# @ 21' HIGH TELESCOPING-STRAIGHT MAST, 4X2	73 HP	D-off			\$51,036	12.22	2.69	3.87	0.75	3.23	132
	F10JD002	486E	FORK LIFT, YARD, 6,000# @ 21' HIGH TELESCOPING-STRAIGHT MAST, 4X2	73 HP	D-off			\$51,578	12.32	2.72	3.92	0.76	3.23	134

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>F10</i>	<i>DEERE & COMPANY (continued)</i>											
	F10JD003	488E	FORK LIFT, YARD, 8,000# @ 21' HIGH TELESCOPING-STRAIGHT MAST, 4X2	73 HP	D-off	\$54,715	12.81	2.89	4.17	0.80	3.23	156
G10	GENERATOR SETS											
	SUBCATEGORY 0.10 PORTABLE											
	WACKER CORPORATION											
	G10WC001	G 3.7A	GENERATOR SET, PORTABLE, 3.7 KW, 120/240V	8 HP	G	\$2,114	1.36	0.15	0.24	0.03	0.79	2
	G10WC002	G 5.6A	GENERATOR SET, PORTABLE, 5.6 KW, 120/240V	11 HP	G	\$2,704	1.82	0.19	0.30	0.04	1.08	2
	G10WC003	GS 8.5A	GENERATOR SET, PORTABLE, 8.5 KW, 120/240V, WITH ELECTRIC START	16 HP	G	\$3,910	2.65	0.28	0.44	0.06	1.57	2
	G10WC004	GS 9.7A	GENERATOR SET, PORTABLE, 9.7 KW, 120/240V, WITH ELECTRIC START	18 HP	G	\$4,420	2.98	0.31	0.50	0.06	1.77	2
	NO SPECIFIC MANUFACTURER											
	G10XX001	1000	GENERATOR SET, PORTABLE, 1 KW	1 HP	G	\$859	0.28	0.06	0.10	0.01	0.10	1
	G10XX004	D4500	GENERATOR SET, PORTABLE, 5 KW	9 HP	D-off	\$5,110	1.44	0.36	0.57	0.07	0.40	3
	G10XX002	10000	GENERATOR SET, PORTABLE, 10 KW	19 HP	G	\$5,407	3.28	0.39	0.61	0.08	1.86	6
	G10XX003	10000D	GENERATOR SET, PORTABLE, 10 KW	23 HP	D-off	\$9,620	3.07	0.68	1.08	0.14	1.02	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	174 HP	D-off	\$24,194	13.25	1.42	2.18	0.33	7.69	37
	G10CA012	3306 PKG - 306DE39	GENERATOR SET, SKID MTD, 210 EKW, 240 VOLT, 60 HZ PGS PRIME	314 HP	D-off	\$30,735	21.83	1.81	2.77	0.42	13.89	52
	G10CA013	3406 PKG - 306DE30	GENERATOR SET, SKID MTD, 275 EKW, 480 VOLT, 60 HZ PGS PRIME	405 HP	D-off	\$39,002	28.05	2.30	3.51	0.54	17.91	68
	G10CA014	3406 PKG - 406DE30	GENERATOR SET, SKID MTD, 365 EKW, 240/480V, 60 HZ PGS PRIME	536 HP	D-off	\$50,818	36.97	2.99	4.57	0.70	23.70	72
	G10CA015	3412 PKG - 412DE32	GENERATOR SET, SKID MTD, 455 EKW, 240/480V, 60 HZ PGS PRIME	687 HP	D-off	\$70,091	48.20	4.12	6.31	0.96	30.38	93

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV) 2000 (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER		AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	G10											
<i>CATERPILLAR INC. (MACHINE DIVISION) (continued)</i>												
G10CA016	3412 PKG - 412DE30		GENERATOR SET, SKID MTD, 545 EKW, 240/480V, 60 HZ PGS PRIME	817 HP	D-off	\$87,111	57.95	5.12	7.84	1.20	36.13	100
G10CA017	3508 PKG - 508DE34		GENERATOR SET, SKID MTD, 725 EKW, 480 VOLT, 60 HZ PGS PRIME	1,089 HP	D-off	\$136,649	80.59	8.03	12.30	1.88	48.16	181
G10CA018	3512 PKG - 512DE1F		GENERATOR SET, SKID MTD, 1000 EKW, 480 VOLT, 60 HZ PGS PRIME	1,443 HP	D-off	\$173,496	105.53	10.20	15.61	2.39	63.81	236
G10CA019	3516 PKG - 516DE35		GENERATOR SET, SKID MTD, 1600 EKW, 480 VOLT, 60 HZ PGS PRIME	2,304 HP	D-off	\$291,819	170.91	17.14	26.26	4.01	101.88	291
NO SPECIFIC MANUFACTURER												
G10XX005	25G		GENERATOR SET, SKID MTD, 25 KW	36 HP	G	\$15,193	6.76	0.90	1.37	0.21	3.53	16
G10XX006	35G		GENERATOR SET, SKID MTD, 35 KW	50 HP	G	\$13,670	8.18	0.81	1.23	0.19	4.91	17
G10XX007	50G		GENERATOR SET, SKID MTD, 50 KW	70 HP	G	\$16,617	11.03	0.98	1.50	0.23	6.87	26
G10XX008	75D		GENERATOR SET, SKID MTD, 75 KW	107 HP	D-off	\$20,982	9.15	1.24	1.89	0.29	4.73	38
G10XX009	100D		GENERATOR SET, SKID MTD, 100 KW	143 HP	D-off	\$21,540	11.16	1.27	1.94	0.30	6.32	42
G10XX010	125D		GENERATOR SET, SKID MTD, 125 KW	200 HP	D-off	\$29,515	15.52	1.74	2.66	0.41	8.84	44
G10XX011	200D		GENERATOR SET, SKID MTD, 200 KW	375 HP	D-off	\$35,637	25.89	2.10	3.21	0.49	16.58	60
G10XX012	300D		GENERATOR SET, SKID MTD, 300 KW	428 HP	D-off	\$51,535	31.33	3.03	4.64	0.71	18.93	105
G10XX013	400D		GENERATOR SET, SKID MTD, 400 KW	570 HP	D-off	\$75,823	42.87	4.45	6.82	1.04	25.21	150
G10XX014	500D		GENERATOR SET, SKID MTD, 500 KW	713 HP	D-off	\$95,431	53.73	5.61	8.59	1.31	31.53	170
G10XX015	750D		GENERATOR SET, SKID MTD, 750 KW	1,050 HP	D-off	\$139,601	78.96	8.20	12.56	1.92	46.43	215
G10XX016	1000D		GENERATOR SET, SKID MTD, 1,000 KW	1,425 HP	D-off	\$215,035	111.33	12.64	19.35	2.96	63.01	250
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	125 HP	D-off	\$192,009	28.66	7.74	9.79	2.84	5.19	303
G15CA007	135-H		GRADER, MOTOR, ARTICULATED, 6X4, 12' BLADE W/ 17 TEETH SCARIFIERS	135 HP	D-off	\$203,848	30.52	8.21	10.40	3.01	5.61	311
G15CA003	12-H		GRADER, MOTOR, ARTICULATED, 6X4, 12' BLADE W/ 17 TEETH SCARIFIERS	140 HP	D-off	\$226,137	33.26	9.12	11.55	3.34	5.82	349

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>G15</i>	<i>CATERPILLAR INC. (MACHINE DIVISION) (continued)</i>											
	G15CA004	140-H	GRADER, MOTOR, ARTICULATED, 6X4, 12' BLADE W/ 5 RIPPER/SCARIFIERS	165 HP	D-off	\$240,551	36.27	9.69	12.28	3.55	6.85	353
	G15CA008	143-H	GRADER, MOTOR, ARTICULATED, 6X6, AWD, 12' BLADE W/ 5 RIPPER/SCARIFIERS	185 HP	D-off	\$277,143	41.50	11.19	14.18	4.10	7.68	349
	G15CA009	160-H	GRADER, MOTOR, ARTICULATED, 6X4, 14' BLADE W/ 5 RIPPER/SCARIFIERS	185 HP	D-off	\$258,956	39.43	10.45	13.23	3.83	7.68	380
	G15CA010	163-H	GRADER, MOTOR, ARTICULATED, 6X6, AWD, 14' BLADE W/ 5 RIPPER/SCARIFIERS	200 HP	D-off	\$299,997	44.87	12.11	15.35	4.43	8.31	404
	G15CA005	14-H	GRADER, MOTOR, ARTICULATED, 6X4, 14' BLADE W/ 7 SHANK RIPPER	215 HP	D-off	\$330,963	49.98	13.26	16.73	4.89	8.93	445
	G15CA006	16-H	GRADER, MOTOR, ARTICULATED, 6X4, 16' BLADE W/ 7 SHANK RIPPER	275 HP	D-off	\$476,816	71.25	19.04	23.98	7.05	11.42	586
	DEERE & COMPANY											
	G15JD008	670CH	GRADER, MOTOR, ARTICULATED, 6X4, AWD, 12' BLADE W/ 5 RIPPER/SCARIFIERS	151 HP	D-off	\$206,735	32.46	8.25	10.38	3.06	6.27	343
	G15JD009	672CH	GRADER, MOTOR, ARTICULATED, 6X6, AWD, 12' BLADE W/ 5 RIPPER/SCARIFIERS	156 HP	D-off	\$234,920	35.97	9.39	11.83	3.47	6.48	353
	G15JD010	770CH	GRADER, MOTOR, ARTICULATED, 6X4, AWD, 12' BLADE W/ 5 RIPPER/SCARIFIERS	185 HP	D-off	\$237,519	37.70	9.50	11.97	3.51	7.68	353
	G15JD011	772CH	GRADER, MOTOR, ARTICULATED, 6X6, AWD, 12' BLADE W/ 5 RIPPER/SCARIFIERS	205 HP	D-off	\$269,067	42.42	10.78	13.60	3.98	8.52	363
	Komatsu America International Company											
	G15KM006	GD 530A-1	GRADER, MOTOR, ARTICULATED, 6X6, AWD, 13' BLADE W/ 11 RIPPER/SCARIFIERS	144 HP	D-off	\$238,927	35.77	9.55	12.04	3.53	5.98	303
	G15KM007	GD 650A-1	GRADER, MOTOR, ARTICULATED, 6X4, 13' BLADE W/ 11 RIPPER/SCARIFIERS	166 HP	D-off	\$217,506	34.63	8.66	10.89	3.21	6.90	328
	G15KM008	GD 670A-2CY	GRADER, MOTOR, ARTICULATED, 6X6, AWD, 14' BLADE W/ 7 SHANK RIPPER	204 HP	D-off	\$278,574	43.60	11.15	14.05	4.12	8.47	346
	G15KM009	GD 750A-1	GRADER, MOTOR, ARTICULATED, 6X4, 16' BLADE W/ 7 SHANK RIPPER	245 HP	D-off	\$356,635	54.46	14.30	18.06	5.27	10.18	409

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
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	H-06X	HAMMERS, HYDRAULIC, 150 FT-LBS, IMPACT FREQUENCY 700 BPM (ADD 150-250 HP HYDRAULIC EXCAVATOR H25)(ADD COST FOR POINT WEAR)			\$6,307	2.35	0.52	0.84	0.10	0.00	2
	H10NP002	H-08X	HAMMERS, HYDRAULIC, 200 FT-LBS, IMPACT FREQUENCY 750 BPM (ADD 60-75 HP HYDRAULIC EXCAVATOR L50)(ADD COST FOR POINT WEAR)			\$7,006	2.55	0.58	0.93	0.11	0.00	2
	H10NP003	H-1XA	HAMMERS, HYDRAULIC, 300 FT-LBS, IMPACT FREQUENCY 800 BPM (ADD 60-75HP HYDRAULIC EXCAVATOR L50)(ADD COST FOR POINT WEAR)			\$10,480	3.82	0.86	1.40	0.16	0.00	4
	H10NP004	H-2XA	HAMMERS, HYDRAULIC, 500 FT-LBS, IMPACT FREQUENCY 800 BPM (ADD 60-75 HP HYDRAULIC EXCAVATOR L50)(ADD COST FOR POINT WEAR)			\$13,488	4.70	1.11	1.80	0.21	0.00	4
	H10NP005	H-3XA	HAMMERS, HYDRAULIC, 750 FT-LBS, IMPACT FREQUENCY 700 BPM (ADD 75-100 HP HYDRAULIC EXCAVATOR L50)(ADD COST FOR POINT WEAR)			\$17,859	6.23	1.47	2.38	0.28	0.00	7
	H10NP006	H-4XL	HAMMERS, HYDRAULIC, 1000 FT-LBS, IMPACT FREQUENCY 750 BPM (ADD 95-125 HP HYDRAULIC EXCAVATOR H25)(ADD COST FOR POINT WEAR)			\$24,005	8.02	1.97	3.20	0.37	0.00	11
	H10NP007	H-6XA	HAMMERS, HYDRAULIC, 1250 FT-LBS, IMPACT FREQUENCY 600 BPM (ADD 95-125 HP HYDRAULIC EXCAVATOR H25)(ADD COST FOR POINT WEAR)			\$32,940	10.63	2.71	4.39	0.51	0.00	16
	H10NP008	H-7X	HAMMERS, HYDRAULIC, 1500 FT-LBS, IMPACT FREQUENCY 550 BPM (ADD 95-125 HP HYDRAULIC EXCAVATOR H25)(ADD COST FOR POINT WEAR)			\$36,409	11.90	3.00	4.85	0.57	0.00	19

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
H10	NPK CONSTRUCTION EQUIPMENT (continued)											
	H10NP009	H-8XA	HAMMERS, HYDRAULIC, 2000 FT-LBS, IMPACT FREQUENCY 550 BPM (ADD 95-125 HP HYDRAULIC EXCAVATOR H25)(ADD COST FOR POINT WEAR)			\$46,444	14.83	3.82	6.19	0.72	0.00	28
	H10NP015	E-210A	HAMMERS, HYDRAULIC, 3000 FT-LBS, IMPACT FREQUENCY 670 BPM (ADD 20-28 TON HYDRAULIC EXCAVATOR)(ADD COST FOR POINT WEAR)			\$56,575	17.80	4.65	7.54	0.88	0.00	34
	H10NP016	E-216	HAMMERS, HYDRAULIC, 5500 FT-LBS, IMPACT FREQUENCY 500 BPM (ADD 28-43 TON HYDRAULIC EXCAVATOR)(ADD COST FOR POINT WEAR)			\$77,906	24.05	6.42	10.39	1.22	0.00	56
	H10NP017	E-220	HAMMERS, HYDRAULIC, 8000 FT-LBS, IMPACT FREQUENCY 430 BPM (ADD 33-50 TON HYDRAULIC EXCAVATOR)(ADD COST FOR POINT WEAR)			\$101,764	31.03	8.38	13.57	1.59	0.00	68
	H10NP018	E-260A	HAMMERS, HYDRAULIC, 20,000 FT-LBS, IMPACT FREQUENCY 330 BPM (ADD 80-130 TON HYDRAULIC EXCAVATOR)(ADD COST FOR POINT WEAR)			\$236,130	70.33	19.42	31.48	3.68	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 W1	HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, RADIOLOGICAL WASTE, 12.5 TON, LOW LEVEL	5 HP	E	\$20,414	3.99	1.16	1.74	0.29	0.21	25
	H13CB002	DOS RAW W2	HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, RADIOLOGICAL WASTE, 20 TON, LOW LEVEL	10 HP	E	\$22,374	4.61	1.27	1.90	0.32	0.42	25
	COMPACTING TECHNOLOGIES INTERNATIONAL											
	H13CO002	8040	HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 37 TON HAZARD WASTE IN-DRUM , EXPLOSION PROOF	5 HP	E	\$8,333	1.95	0.48	0.71	0.12	0.21	167

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
			ENVIRO-PAK									
	H13EP001	4000HM	HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 30 TON HAZARDOUS WASTE, HAZ- MAT STORAGE CONTAINER 40"X40"X40"	5 HP	E	\$20,324	3.97	1.16	1.73	0.29	0.21	32
			TEEMARK CORPORATION									
	H13TH001	DPC60-E50	HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 30 TON DRUM CRUSHER	5 HP	E	\$10,757	2.10	0.61	0.91	0.15	0.21	19
	H13TH002	DPC60-D90	HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 30 TON DRUM CRUSHER, TRAILER MOUNTED	9 HP	D-off	\$20,204	3.90	1.13	1.68	0.29	0.40	19
	H13TH003	DPC85-D160	HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 42.5 TON DRUM CRUSHER, TRAILER MOUNTED	16 HP	D-off	\$25,250	5.12	1.42	2.11	0.36	0.71	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"	50 HP	E	\$315,326	56.05	17.88	26.80	4.48	2.11	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"	50 HP	E	\$315,326	56.05	17.88	26.80	4.48	2.11	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"	50 HP	E	\$315,326	56.05	17.88	26.80	4.48	2.11	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	3 HP	E	\$17,345	2.97	0.83	1.16	0.25	0.13	270
	H13CO004	8560-C	HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 85 TON HAZARD WASTE IN- DRUM, W/ HEPA FILTER	3 HP	E	\$33,892	5.63	1.62	2.26	0.49	0.13	290

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV) 2000 (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER		AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	<i>H13</i>	<i>COMPACTING TECHNOLOGIES INTERNATIONAL (continued)</i>										
	H13CO006	8560-R	HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 85 TON HAZARD WASTE IN- DRUM, W/ HEPA FILTER & SS PLATEN & CHAMBER	3 HP	E	\$40,134	6.39	1.92	2.68	0.58	0.13	300
	H13CO005	8560-EXL	HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 85 TON HAZARD WASTE IN- DRUM, EXPLOSION PROOF, W/LIQUID REMOVAL SYSTEM	3 HP	E	\$54,875	8.68	2.62	3.66	0.79	0.13	310
	ENVIRO-PAK											
	H13EP002	9600HM	HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 250 TON HAZARDOUS WASTE, B- 25 METAL STORAGE CONTAINER 4'X4'X6'	8 HP	E	\$32,959	5.57	1.58	2.20	0.48	0.32	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, 1000 MM SQ	50 CFM	A	\$51,332	8.84	2.81	4.11	0.75	0.00	112
	H13AY016	K/F 1200/25	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 25 CF CONVENTIONAL, 1000 MM SQ,	50 CFM	A	\$33,020	5.69	1.81	2.64	0.49	0.00	108
	H13AY013	L/S 1200/50	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 50 CF MEMBRANE, 1200 MM SQ	50 CFM	A	\$87,250	15.02	4.77	6.98	1.28	0.00	173
	H13AY014	K/F 1200/50	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 50 CF CONVENTIONAL, 1200 MM SQ	50 CFM	A	\$46,346	7.98	2.54	3.71	0.68	0.00	168
	H13AY011	L/S 1200/75	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 75 CF MEMBRANE, 1200 MM SQ	50 CFM	A	\$108,907	18.75	5.96	8.71	1.60	0.00	194
	H13AY012	K/F 1200/75	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 75 CF CONVENTIONAL, 1200 MM SQ	50 CFM	A	\$55,090	9.49	3.02	4.41	0.81	0.00	188
	H13AY009	L/S 1200/100	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 100 CF MEMBRANE, 1200 MM SQ	50 CFM	A	\$130,452	22.47	7.14	10.44	1.92	0.00	199

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>H13</i>	<i>KOMLINE-SANDERSON ENGINEERING CO (continued)</i>											
	H13AY010	K/F 1200/100	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 100 CF CONVENTIONAL, 1200 MM SQ	50 CFM	A	\$65,866	11.34	3.61	5.27	0.97	0.00	191
	H13AY007	L/S 1200/125	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 125 CF MEMBRANE, 1200 MM SQ	50 CFM	A	\$146,704	25.26	8.02	11.74	2.15	0.00	216
	H13AY008	K/F 1200/125	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 125 CF CONVENTIONAL, 1200 MM SQ	50 CFM	A	\$71,356	12.29	3.91	5.71	1.05	0.00	207
	H13AY017	L/S 1200/150	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 150 CF MEMBRANE, 1200 MM SQ	50 CFM	A	\$162,457	27.98	8.89	13.00	2.39	0.00	235
	H13AY018	K/F 1200/150	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 150 CF CONVENTIONAL, 1200 MM SQ	50 CFM	A	\$82,230	14.16	4.50	6.58	1.21	0.00	224
	H13AY019		HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, FILTER PRESS PLATE SHIFTING UNIT, 1200 MM SQ, MECHANIZED	1 HP	E	\$10,736	2.16	0.59	0.86	0.16	0.04	5
	H13AY020	SLC-500	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, PLC CONTROL PANEL - PLATE SHIFTING, COMPUTER AUTOMATED	1 HP	E	\$13,942	2.71	0.76	1.12	0.20	0.04	2
	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 COMPR & 60,000 GVW TRUCK)	50 CFM	A	\$60,403	10.23	3.35	4.97	0.86	0.00	112
	H13AY032	K/F 1200/25M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 25 CF CONVENTIONAL, 1000 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM	A	\$42,099	7.16	2.31	3.42	0.60	0.00	109
	H13AY029	L/S 1200/50M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 50 CF MEMBRANE, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM	A	\$96,461	16.30	5.39	8.04	1.37	0.00	193

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>H13</i>	<i>KOMLINE-SANDERSON ENGINEERING CO (continued)</i>											
	H13AY030	K/F 1200/50M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 50 CF CONVENTIONAL, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM	A	\$55,557	9.42	3.07	4.56	0.79	0.00	188
	H13AY027	L/S 1200/75M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 75 CF MEMBRANE, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM	A	\$119,116	20.11	6.68	9.97	1.69	0.00	214
	H13AY028	K/F 1200/75M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 75 CF CONVENTIONAL, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM	A	\$65,299	11.06	3.63	5.39	0.93	0.00	208
	H13AY025	L/S 1200/100M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 100 CF MEMBRANE, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM	A	\$141,659	23.89	7.95	11.88	2.01	0.00	219
	H13AY026	K/F 1200/100M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 100 CF CONVENTIONAL, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM	A	\$77,073	13.04	4.30	6.39	1.10	0.00	211
	H13AY023	L/S 1200/125M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 125 CF MEMBRANE, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM	A	\$158,907	26.80	8.94	13.35	2.26	0.00	236
	H13AY024	K/F 1200/125M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 125 CF CONVENTIONAL, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM	A	\$83,559	14.13	4.66	6.94	1.19	0.00	227
	H13AY021	L/S 1200/150M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 150 CF MEMBRANE, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM	A	\$174,999	29.51	9.85	14.72	2.49	0.00	255
	H13AY022	K/F 1200/150M	HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 150 CF CONVENTIONAL, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM	A	\$94,267	15.93	5.27	7.85	1.34	0.00	244

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	SUBCATEGORY 0.30 CENTRIFUGES											
	BOCK ENGINEERED PRODUCTS, INC.											
	H13BC013	GP 35	HAZARDOUS/TOXIC WASTE EQUIPMENT, CENTRIFUGE, FIXED SPEED, TIMER, 35 LB DRY WT.	3 HP	E	\$12,197	4.67	1.42	2.44	0.20	0.13	9
	H13BC010	305 TX	HAZARDOUS/TOXIC WASTE EQUIPMENT, CENTRIFUGE, FIXED SPEED, TIMER, 35 LB DRY WT.	3 HP	E	\$14,634	5.57	1.71	2.93	0.24	0.13	6
	H13BC012	GP 60	HAZARDOUS/TOXIC WASTE EQUIPMENT, CENTRIFUGE, FIXED SPEED, TIMER, 60 LB DRY WT.	3 HP	E	\$13,501	5.16	1.58	2.70	0.23	0.13	9
	H13BC006	605 TX	HAZARDOUS/TOXIC WASTE EQUIPMENT, CENTRIFUGE, FIXED SPEED, TIMER, 60 LB DRY WT.	3 HP	E	\$19,590	7.39	2.29	3.92	0.33	0.13	9
	H13BC011	GP 100	HAZARDOUS/TOXIC WASTE EQUIPMENT, CENTRIFUGE, FIXED SPEED, TIMER, 100 LB DRY WT.	5 HP	E	\$16,494	6.37	1.93	3.30	0.28	0.21	12
	H13BC003	GP 130	HAZARDOUS/TOXIC WASTE EQUIPMENT, CENTRIFUGE, FIXED SPEED, TIMER, 130 LB DRY WT.	5 HP	E	\$19,903	7.61	2.32	3.98	0.33	0.21	12
	H13BC009	355	HAZARDOUS/TOXIC WASTE EQUIPMENT, CENTRIFUGE, FIXED SPEED, MANUAL CONTROL, EXPLOSION PROOF, 35 LB	3 HP	E	\$21,003	7.91	2.45	4.20	0.35	0.13	6
	H13BC007	655	HAZARDOUS/TOXIC WASTE EQUIPMENT, CENTRIFUGE, FIXED SPEED, MANUAL CONTROL, EXPLOSION PROOF, 60 LB	3 HP	E	\$25,041	9.39	2.93	5.01	0.42	0.13	9
	H13BC008	755	HAZARDOUS/TOXIC WASTE EQUIPMENT, CENTRIFUGE, FIXED SPEED, MANUAL CONTROL, EXPLOSION PROOF, 100 LB	5 HP	E	\$29,691	11.22	3.47	5.94	0.50	0.21	12
	SUBCATEGORY 0.40 SHREDDERS											
	MAC CORPORATION											
	H13MN001	52-32HT	HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 150 HP, 32" X 52" OPENING, TRAILER MTD, W/ DIESEL GENERATOR SET/ BELT-TYPE INFEED & DISCHARGE CONVEYORS	150 HP	E	\$283,576	62.08	15.94	23.82	4.03	6.34	200

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>H13</i>	<i>MAC CORPORATION (continued)</i>											
	H13MN002	62-40HT	HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 200 HP, 38" X 62" OPENING, TRAILER MTD, W/ DIESEL GENERATOR SET, HOOK-TYPE INFEED FOR TIRES, & DISCHARGE CONVEYOR	200 HP	E	\$347,838	77.43	19.55	29.20	4.95	8.45	300
	H13MN003	62-40HT	HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 200 HP, 38" X 62" OPENING, TRAILER MTD, W/ DIESEL GENERATOR SET, CRANE GRAPPLE & DISCHARGE CONVEYOR SYSTEM	200 HP	E	\$399,052	87.48	22.46	33.56	5.68	8.45	300
	H13MN004	72-46HT	HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 300 HP, 45" X 72" OPENING, TRAILER MTD, W/ DIESEL GENERATOR SET, CRANE GRAPPLE & DISCHARGE CONVEYOR SYSTEM	300 HP	E	\$460,671	105.26	25.95	38.79	6.55	12.68	400
	SHRED-TECH LIMITED											
	H13SH001	ST-20	HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 20 HP, 37"x38" OPENING	20 HP	E	\$38,101	7.92	2.16	3.24	0.54	0.85	20
	H13SH002	ST-20L	HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER 20 HP, 37"X46" OPENING	20 HP	E	\$35,125	7.40	2.00	2.99	0.50	0.85	23
	H13SH003	ST-50	HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 40 HP, 40"x55" OPENING	40 HP	E	\$70,348	14.79	3.99	5.98	1.00	1.69	45
	H13SH004	ST-50L	HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 40 HP, 40"x65" OPENING	40 HP	E	\$74,250	15.48	4.22	6.31	1.06	1.69	50
	H13SH005	ST-100	HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 100 HP, 63"x70" OPENING	100 HP	E	\$125,897	28.15	7.14	10.70	1.79	4.23	200
	H13SH006	ST-500	HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 300 HP, 66"x96" OPENING	300 HP	E	\$407,894	89.78	23.14	34.67	5.80	12.68	420
	H13SH007	ST-500L	HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 600 HP, 66"x115" OPENING	600 HP	E	\$517,276	126.81	29.35	43.97	7.36	25.35	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	10 HP	E	\$27,634	13.62	3.39	5.87	0.45	0.42	3

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
H13	BASCO (continued)											
	H13BB002	MR3	HAZARDOUS/TOXIC WASTE EQUIPMENT, WASTE HANDLING EQUIPMENT, DRUM CLEANER, 60 DRUM/HR CAP INTERIOR	15 HP	E	\$35,369	17.60	4.34	7.52	0.58	0.63	25
H20	HOISTS & AIR WINCHES											
	SUBCATEGORY 0.00 HOISTS & AIR WINCHES											
	INGERSOLL RAND MATERIAL HANDLING											
	H20BE002	FA2.5	AIR WINCH (ADD COMPRESSOR) MANUAL BRAKE, 24" DRUM, 5000 # CAP,145 FPM	700 CFM	A	\$18,718	3.57	1.11	1.66	0.28	0.00	10
	H20BE003	FA5	AIR WINCH (ADD COMPRESSOR) MANUAL BRAKE, 24" DRUM, 10000 # CAP,65 FPM	700 CFM	A	\$24,147	4.66	1.44	2.15	0.36	0.00	19
	H20BE004	FA10	AIR WINCH (ADD COMPRESSOR) AUTOMATIC BRAKE, 24" DRUM, 22000 # CAP,30 FPM	800 CFM	A	\$35,831	6.85	2.12	3.18	0.53	0.00	35
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	17 HP	D-off	\$30,729	6.77	1.92	2.88	0.48	0.75	37
	H25CA035	303 CR	HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 7,500 LBS, 0.11 CY BUCKET, 9.08' MAX DIGGING DEPTH	25 HP	D-off	\$39,866	8.96	2.49	3.74	0.62	1.11	73
	H25CA036	305 CR	HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 10,800 LBS, 0.17 CY BUCKET, 11.08' MAX DIGGING DEPTH	42 HP	D-off	\$67,575	15.17	4.22	6.34	1.05	1.86	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	8 HP	D-off	\$19,633	4.15	1.22	1.84	0.30	0.35	20

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	FUEL TYPE			2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	
				MAIN	CARRIER							
<i>H25</i>	<i>Komatsu America International Company (continued)</i>											
	H25KM017	PC15R-8	HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 3,600 LBS, 0.06 CY BUCKET, 7'1" MAX DIGGING DEPTH	15 HP	D-off	\$26,492	5.85	1.65	2.48	0.41	0.66	32
	H25KM018	PC20MR-1	HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 4,800 LBS, 0.05 CY BUCKET, 8'11" MAX DIGGING DEPTH	18 HP	D-off	\$32,122	7.10	2.01	3.01	0.50	0.80	48
	H25KM019	PC27R-8	HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 6,000 LBS, 0.10 CY BUCKET, 8'8" MAX DIGGING DEPTH	26 HP	D-off	\$34,421	7.99	2.15	3.23	0.53	1.15	62
	H25KM020	PC30MR-1	HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 7,200 LBS, 0.07 CY BUCKET, 10'7" MAX DIGGING DEPTH	28 HP	D-off	\$38,622	8.90	2.41	3.62	0.60	1.24	73
	H25KM021	PC40MR-1	HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 10,000 LBS, 0.18 CY BUCKET, 12'9" MAX DIGGING DEPTH	37 HP	D-off	\$47,878	11.17	2.99	4.49	0.74	1.64	99
	H25KM022	PC58UU-3	HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 11,400 LBS, 0.29 CY BUCKET, 13'1" MAX DIGGING DEPTH	40 HP	D-off	\$63,889	14.35	3.99	5.99	0.99	1.77	115
	H25KM023	PC78US-6	HYDRAULIC EXCAVATOR, CRAWLER, 6,200 LBS, 0.37 CY BUCKET, GENERAL PURPOSE, 12'4" MAX DIGGING DEPTH	55 HP	D-off	\$74,088	17.15	4.63	6.95	1.15	2.43	151
	H25KM024	PC75R-2	HYDRAULIC EXCAVATOR, CRAWLER, 6,800 LBS, 0.31 CY BUCKET, GENERAL PURPOSE, 13'3" MAX DIGGING DEPTH	68 HP	D-off	\$83,573	19.69	5.21	7.83	1.29	3.01	165
	H25KM025	PC100-6	HYDRAULIC EXCAVATOR, CRAWLER, 9,700 LBS, 0.62 CY BUCKET, GENERAL PURPOSE, 16'7" MAX DIGGING DEPTH	81 HP	D-off	\$110,753	25.56	6.91	10.38	1.72	3.58	237
	H25KM026	PC128US-1	HYDRAULIC EXCAVATOR, CRAWLER, 11,500 LBS, 0.62 CY BUCKET, GENERAL PURPOSE, 17'10" MAX DIGGING DEPTH	86 HP	D-off	\$134,098	30.23	8.37	12.57	2.08	3.80	280
	MELROE COMPANY/BOBCAT											
	H25ME001	322	HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 3,600 LBS, 0.04 CY BUCKET, 7'3" MAX DIGGING DEPTH	15 HP	D-off	\$24,590	5.50	1.54	2.31	0.38	0.66	35
	H25ME002	331	HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 7,200 LBS, 0.10 CY BUCKET, 10'2" MAX DIGGING DEPTH	40 HP	D-off	\$36,560	9.23	2.29	3.43	0.57	1.77	72

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV) 2000 (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER		AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	<i>H25</i>	<i>MELROE COMPANY/BOBCAT (continued)</i>										
	H25ME003	337	HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 11,000 LBS, 0.18 CY BUCKET, 12' MAX DIGGING DEPTH	53 HP	D-off	\$52,017	12.89	3.25	4.88	0.81	2.34	110
	SUBCATEGORY 0.11		OVER 12,500 LBS THRU 40,000 LBS									
	CATERPILLAR INC. (MACHINE DIVISION)											
	H25CA037	307B	HYDRAULIC EXCAVATOR, CRAWLER, 15,200 LBS, 0.40 CY BUCKET, GENERAL PURPOSE, 15.25' MAX DIGGING DEPTH	54 HP	D-off	\$79,213	17.24	4.72	6.99	1.22	2.39	153
	H25CA038	307C	HYDRAULIC EXCAVATOR, CRAWLER, 14,310 LBS, 0.48 CY BUCKET, GENERAL PURPOSE, 15.25' MAX DIGGING DEPTH	54 HP	D-off	\$96,577	20.32	5.75	8.52	1.49	2.39	182
	H25CA020	311-B	HYDRAULIC EXCAVATOR, CRAWLER, 24,640 LBS, 0.60 CY BUCKET, 16.50' MAX DIGGING DEPTH	79 HP	D-off	\$103,508	23.02	6.16	9.13	1.59	3.49	250
	H25CA021	312-B	HYDRAULIC EXCAVATOR, CRAWLER, 26,900 LBS, 0.68 CY BUCKET, 18.16' MAX DIGGING DEPTH	84 HP	D-off	\$118,743	26.02	7.07	10.48	1.83	3.71	279
	H25CA039	315B	HYDRAULIC EXCAVATOR, CRAWLER, 35,200 LBS, 0.80 CY BUCKET, GENERAL PURPOSE, 19.83' MAX DIGGING DEPTH	99 HP	D-off	\$135,370	29.85	8.05	11.94	2.08	4.38	353
	KOBELCO AMERICA INC.											
	H25KC017	70SR	HYDRAULIC EXCAVATOR, CRAWLER, 16,400 LBS, 0.33 CY BUCKET, 14.75' MAX DIGGING DEPTH	54 HP	D-off	\$90,318	19.21	5.38	7.97	1.39	2.39	168
	H25KC016	135SR LC	HYDRAULIC EXCAVATOR, CRAWLER, 30,870 LBS, 0.60 CY BUCKET, 19.58' MAX DIGGING DEPTH	94 HP	D-off	\$128,045	28.27	7.62	11.30	1.97	4.16	319
	Komatsu America International Company											
	H25KM027	PC128UU-2	HYDRAULIC EXCAVATOR, CRAWLER, 12,200 LBS, 0.58 CY BUCKET, 16' 0" MAX DIGGING DEPTH, GENERAL PURPOSE	86 HP	D-off	\$172,436	35.66	10.27	15.21	2.66	3.80	295
	H25KM028	PC150-6	HYDRAULIC EXCAVATOR, CRAWLER, 14,800 LBS, 0.68 CY BUCKET, 19'8" MAX DIGGING DEPTH	107 HP	D-off	\$141,496	31.41	8.42	12.48	2.18	4.73	359

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>H25</i>	<i>Komatsu America International Company (continued)</i>											
	H25KM001	PC 120-6	HYDRAULIC EXCAVATOR, CRAWLER, 26,950 LBS, 0.75 CY BUCKET, 18.08' MAX DIGGING DEPTH	102 HP	D-off	\$154,740	33.46	9.21	13.65	2.38	4.51	270
	H25KM003	PC 150LC-6	HYDRAULIC EXCAVATOR, CRAWLER, 39,400 LBS, 1.12 CY BUCKET, 19.58' MAX DIGGING DEPTH	107 HP	D-off	\$184,133	38.98	10.97	16.25	2.84	4.73	395
	LINK-BELT CONSTRUCTION EQUIPMENT COMPANY											
	H25LI001	1600 QUANTUM	HYDRAULIC EXCAVATOR, CRAWLER, 15,400 LBS, 0.24 CY BUCKET, 13'7" MAX DIGGING DEPTH	54 HP	D-off	\$91,765	19.47	5.46	8.10	1.41	2.39	154
	H25LI003	130 LX	HYDRAULIC EXCAVATOR, CRAWLER, 27,100 LBS, 0.50 CY BUCKET, 18'2" MAX DIGGING DEPTH	89 HP	D-off	\$122,044	26.91	7.27	10.77	1.88	3.94	271
	H25LI002	2650 QUANTUM	HYDRAULIC EXCAVATOR, CRAWLER, 14,200 LBS, 0.66 CY BUCKET, 18'3" MAX DIGGING DEPTH	85 HP	D-off	\$126,155	27.40	7.51	11.13	1.94	3.76	284
	H25LI005	160 LX	HYDRAULIC EXCAVATOR, CRAWLER, 35,275 LBS, 0.66 CY BUCKET, 20'1" MAX DIGGING DEPTH	101 HP	D-off	\$142,728	31.28	8.50	12.59	2.20	4.47	353
	H25LI004	2700 QUANTUM	HYDRAULIC EXCAVATOR, CRAWLER, 35,275 LBS, 0.66 CY BUCKET, 20'1" MAX DIGGING DEPTH	100 HP	D-off	\$148,448	32.24	8.84	13.10	2.29	4.42	352
	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, HEAVY DUTY, 22.50' MAX DIGGING DEPTH	115 HP	D-off	\$147,512	26.61	6.82	9.22	2.21	4.78	405
	H25CA022	320B	HYDRAULIC EXCAVATOR, CRAWLER, 43,800 LBS, 1.50 CY BUCKET, 21.75' MAX DIGGING DEPTH	128 HP	D-off	\$192,823	33.54	8.91	12.05	2.88	5.32	438
	H25CA023	320BL	HYDRAULIC EXCAVATOR, CRAWLER, 49,000 LBS, 0.80 CY BUCKET, 39.0' MAX DIGGING DEPTH, LONG REACH BOOM	128 HP	D-off	\$222,849	37.66	10.30	13.93	3.33	5.32	490

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>H25</i>	<i>CATERPILLAR INC. (MACHINE DIVISION) (continued)</i>											
	H25CA025	325BL	HYDRAULIC EXCAVATOR, CRAWLER, 60,700 LBS, 1.75 CY BUCKET, 23.25' MAX DIGGING DEPTH	168 HP	D-off	\$286,210	48.56	13.23	17.89	4.28	6.98	607
	H25CA027	330BL	HYDRAULIC EXCAVATOR, CRAWLER, 75,700 LBS, 2.09 CY BUCKET, 21.58' MAX DIGGING DEPTH	222 HP	D-off	\$339,554	58.86	15.69	21.22	5.08	9.22	763
	H25CA032	345BL	HYDRAULIC EXCAVATOR, CRAWLER, 98,600 LBS, 3.00 CY BUCKET, 30.41' MAX DIGGING DEPTH	290 HP	D-off	\$458,206	78.91	21.17	28.64	6.85	12.05	988
	KOBELCO AMERICA INC.											
	H25KC019	SK210 LC	HYDRAULIC EXCAVATOR, CRAWLER, 48,000 LBS, 1.13 CY BUCKET, 22.00' MAX DIGGING DEPTH	143 HP	D-off	\$193,633	34.48	8.95	12.10	2.90	5.94	480
	H25KC020	SK210 LC	HYDRAULIC EXCAVATOR, CRAWLER, 53,400 LBS, 0.63 CY BUCKET, 39' MAX DIGGING DEPTH, LONG REACH BOOM	143 HP	D-off	\$221,646	38.31	10.24	13.85	3.31	5.94	534
	H25KC021	SK250 LC	HYDRAULIC EXCAVATOR, CRAWLER, 55,100 LBS, 1.875 CY BUCKET, 23.08' MAX DIGGING DEPTH	176 HP	D-off	\$222,935	40.31	10.30	13.93	3.33	7.31	551
	H25KC022	SK250 LC	HYDRAULIC EXCAVATOR, CRAWLER, 59,100 LBS, 0.50 CY BUCKET, 23' MAX DIGGING DEPTH, LONG LREACH BOOM	176 HP	D-off	\$265,609	46.17	12.27	16.60	3.97	7.31	591
	H25KC023	SK330 LC	HYDRAULIC EXCAVATOR, CRAWLER, 77,800 LBS, 2.05 CY BUCKET, 24.58' MAX DIGGING DEPTH	238 HP	D-off	\$321,674	57.30	14.86	20.10	4.81	9.89	778
	Komatsu America International Company											
	H25KM012	PC 200 LC-6	HYDRAULIC EXCAVATOR, CRAWLER, 46,363 LBS, 1.50 CY BUCKET, 21.75' MAX DIGGING DEPTH	133 HP	D-off	\$239,394	40.19	11.06	14.96	3.58	5.52	464
	H25KM004	PC 220 LC-6	HYDRAULIC EXCAVATOR, CRAWLER, 57,483 LBS, 1.75 CY BUCKET, 22.25' MAX DIGGING DEPTH	158 HP	D-off	\$273,388	46.24	12.64	17.09	4.09	6.56	575
	H25KM005	PC 300 LC-5	HYDRAULIC EXCAVATOR, CRAWLER, 74,803 LBS, 2.50 CY BUCKET, 24.25' MAX DIGGING DEPTH	232 HP	D-off	\$381,268	65.14	17.62	23.83	5.70	9.64	748

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
H25	<i>Komatsu America International Company (continued)</i>											
	H25KM013	PC 400 LC-6	HYDRAULIC EXCAVATOR, CRAWLER, 99,517 LBS, 2.75 CY BUCKET, 25.50' MAX DIGGING DEPTH	306 HP	D-off	\$500,413	85.58	23.12	31.28	7.48	12.71	995
	LINK-BELT CONSTRUCTION EQUIPMENT COMPANY											
	H25LI006	2800 QUANTUM	HYDRAULIC EXCAVATOR, CRAWLER, 45,200 LBS, 1.08 CY BUCKET, 21'11" MAX DIGGING DEPTH	128 HP	D-off	\$178,124	31.52	8.23	11.13	2.66	5.32	453
	H25LI007	3400 QUANTUM	HYDRAULIC EXCAVATOR, CRAWLER, 53,100 LBS, 1.05 CY BUCKET, 22'10" MAX DIGGING DEPTH	153 HP	D-off	\$227,491	39.68	10.51	14.22	3.40	6.36	532
	H25LI008	3900 QUANTUM	HYDRAULIC EXCAVATOR, CRAWLER, 62,800 LBS, 1.32 CY BUCKET, 23'7" MAX DIGGING DEPTH	178 HP	D-off	\$249,836	44.12	11.55	15.61	3.74	7.39	629
	H25LI009	4300 QUANTUM	HYDRAULIC EXCAVATOR, CRAWLER, 73,600 LBS, 1.54 CY BUCKET, 24'3" MAX DIGGING DEPTH	240 HP	D-off	\$284,240	52.28	13.14	17.77	4.25	9.97	736
	H25LI010	5800 QUANTUM	HYDRAULIC EXCAVATOR, CRAWLER, 99,900 LBS, 2.14 CY, 27'6" MAX DIGGING DEPTH	300 HP	D-off	\$422,108	74.51	19.50	26.38	6.31	12.46	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, GENERAL PURPOSE	385 HP	D-off	\$699,080	102.50	26.66	32.77	10.27	17.02	1,490	
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	\$419,598	65.48	16.00	19.67	6.16	13.53	1,019	
H25KC026	SK480LC	HYDRAULIC EXCAVATOR, CRAWLER, 108,000 LBS, 2.25 CY BUCKET, 25.58' MAX DIGGING DEPTH, HEAVY DUTY	315 HP	D-off	\$439,596	68.32	16.77	20.61	6.46	13.93	1,080	

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	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	\$741,326	107.42	28.27	34.75	10.89	16.98	1,332
	SUBCATEGORY 0.14 OVER 160,000 LBS											
	CATERPILLAR INC. (MACHINE DIVISION)											
	H25CA033	365-B	HYDRAULIC EXCAVATOR, CRAWLER, 164,400 LBS, 4.00 CY BUCKET, 31.41' MAX DIGGING DEPTH	374 HP	D-off	\$720,723	96.33	24.72	28.45	10.49	16.54	1,644
	H25CA042	375L	HYDRAULIC EXCAVATOR, CRAWLER, 779,900 LBS, 5.00 CY BUCKET, 31.08' MAX DIGGING DEPTH	428 HP	D-off	\$873,135	115.38	29.95	34.47	12.71	18.93	1,798
	H25CA030	375	HYDRAULIC EXCAVATOR, CRAWLER, 175,500 LBS, 5.00 CY BUCKET, 34.75' MAX DIGGING DEPTH	428 HP	D-off	\$836,493	111.50	28.69	33.02	12.18	18.93	1,750
	H25CA031	375-L	HYDRAULIC EXCAVATOR, CRAWLER, 255,400 LBS, 6.00 CY BUCKET, 26.57' MAX DIGGING DEPTH	428 HP	D-off	\$879,355	116.03	30.16	34.71	12.80	18.93	2,554
	H25CA043	385BL	HYDRAULIC EXCAVATOR, CRAWLER, 190,500 LBS, 6.00 CY BUCKET, 27.83' MAX DIGGING DEPTH, GENERAL PURPOSE	513 HP	D-off	\$925,972	125.50	31.76	36.55	13.48	22.68	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	\$955,035	124.84	32.75	37.70	13.90	19.59	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	\$1,323,291	172.83	45.38	52.24	19.26	27.02	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	\$1,391,246	180.03	47.71	54.92	20.25	27.02	2,481
	H25KM033	PC1800-6	HYDRAULIC EXCAVATOR, CRAWLER, 396,800 LBS, 15.70 CY, 30'5" MAX DIGGING DEPTH	908 HP	D-off	\$1,809,977	240.26	62.08	71.45	26.35	40.15	3,968

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
	LINK-BELT CONSTRUCTION EQUIPMENT COMPANY											
	H25LI011	8000 QUANTUM	HYDRAULIC EXCAVATOR, CRAWLER, 176,400 LBS, 2.97 CY, 29'6" MAX DIGGING DEPTH	438 HP	D-off	\$733,634	101.13	25.16	28.96	10.68	19.37	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 5 TON HYDRAULIC EXCAVATOR)			\$22,862	6.94	1.97	3.24	0.35	0.00	15
	H25CA057	S320	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, SCRAP, 15.4" JAW OPENING (ADD 10 TON HYDRAULIC EXCAVATOR)			\$77,668	23.01	6.68	11.00	1.18	0.00	57
	H25CA052	S230	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, SCRAP, 22.0" JAW OPENING (ADD 17.5 TON HYDARULIC EXCAVATOR)			\$87,923	26.65	7.56	12.46	1.33	0.00	84
	H25CA053	S250	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, SCRAP, 28.0" JAW OPENING (ADD 22.5 TON HYDRAULIC EXCAVATOR)			\$119,000	35.64	10.24	16.86	1.81	0.00	158
	H25CA054	S280	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, SCRAP, 32.0" JAW OPENING (ADD 50 TON HYDRAULIC EXCAVATOR)			\$153,105	46.79	13.17	21.69	2.32	0.00	191
	H25CA056	S2130	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, SCRAP, 43.0" JAW OPENING (ADD 50 TON HYDRAULIC EXCAVATOR)			\$250,101	74.53	21.52	35.43	3.80	0.00	307
	LABOUNTY MANUFACTURING,											
	H25LU001	MSD 7	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 10" JAW OPENING, 4'7" REACH (ADD 5 TON HYDRAULIC EXCAVATOR)			\$19,075	5.85	1.64	2.70	0.29	0.00	10
	H25LU002	MSD 7R	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 10" JAW OPENING, 5'0" REACH (ADD 7 TON HYDRAULIC EXCAVATOR)			\$25,783	7.87	2.22	3.65	0.39	0.00	11
	H25LU003	MSD 15	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 18" JAW OPENING, 6'6" REACH (ADD 10 TON HYDRAULIC EXCAVATOR)			\$40,220	12.31	3.46	5.70	0.61	0.00	30

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
<i>H25</i>	<i>LABOUNTY MANUFACTURING, (continued)</i>											
	H25LU004	MSD 15R	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 18" JAW OPENING, 8'6" REACH (ADD 12.5 TON HYDRAULIC EXCAVATOR)			\$51,558	15.64	4.43	7.30	0.78	0.00	35
	H25LU005	MSD 30	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 22" JAW OPENING, 7'0" REACH (ADD 12.5 TON HYDRAULIC EXCAVATOR)			\$58,565	17.85	5.04	8.30	0.89	0.00	50
	H25LU006	MSD 30R	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 22" JAW OPENING, 10'4" REACH (ADD 17.5 TON HYDRAULIC EXCAVATOR)			\$86,891	26.35	7.48	12.31	1.32	0.00	67
	H25LU007	MSD 40-III	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 27" JAW OPENING, 8'6" REACH (ADD 20 TON HYDRAULIC EXCAVATOR)			\$69,908	21.39	6.01	9.90	1.06	0.00	70
	H25LU008	MSD 40R-III	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 27" JAW OPENING, 12'6" REACH (ADD 22.5 TON HYDRAULIC EXCAVATOR)			\$96,255	29.13	8.28	13.64	1.46	0.00	90
	H25LU009	MSD 50-III	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 32" JAW OPENING, 9'0" REACH (ADD 22.5 TON HYDRAULIC EXCAVATOR)			\$100,289	30.38	8.63	14.21	1.52	0.00	109
	H25LU010	MSD 50R-III	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 32" JAW OPENING, 13'4" REACH (ADD 30 TON HYDRAULIC EXCAVATOR)			\$125,212	37.81	10.77	17.74	1.90	0.00	140
	H25LU011	MSD 70-III	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 35" JAW OPENING, 10'4" REACH (ADD 30 TON HYDRAULIC EXCAVATOR)			\$113,339	34.42	9.75	16.06	1.72	0.00	130
	H25LU012	MSD 70R-III	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 35" JAW OPENING, 14'4" REACH (ADD 37.5 TON HYDRAULIC EXCAVATOR)			\$150,887	45.66	12.98	21.38	2.29	0.00	164
	H25LU013	MSD 100-III	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 38" JAW OPENING, 11'6" REACH (ADD 37.5 TON HYDRAULIC EXCAVATOR)			\$151,089	45.81	12.99	21.40	2.29	0.00	150
	H25LU014	MSD 100R-III	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 38" JAW OPENING, 16'0" REACH (ADD 37.5 TON HYDRAULIC EXCAVATOR)			\$180,607	54.66	15.54	25.59	2.74	0.00	180

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>H25</i>	<i>LABOUNTY MANUFACTURING, (continued)</i>											
	H25LU015	MSD 140	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 44" JAW OPENING, 13'10" REACH (ADD 50 TON HYDRAULIC EXCAVATOR)			\$164,407	50.03	14.15	23.29	2.50	0.00	195
	H25LU016	MSD 140R	HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 44" JAW OPENING, 18'6" REACH (ADD 70 TON HYDRAULIC EXCAVATOR)			\$201,400	61.20	17.33	28.53	3.06	0.00	245
	SUBCATEGORY 0.22 ATTACHMENTS, MATERIAL HANDLING											
	BALDERSON, INC.											
	H25BS001		HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, 0.50 CY BUCKET, W/TIPS (ADD HYDRAULIC EXCAVATOR)			\$4,393	1.16	0.37	0.59	0.07	0.00	10
	H25BS002		HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, 0.75 CY BUCKET, W/TIPS (ADD HYDRAULIC EXCAVATOR)			\$5,038	1.33	0.42	0.67	0.08	0.00	16
	H25BS003		HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, 1.25 CY BUCKET, W/TIPS (ADD HYDRAULIC EXCAVATOR)			\$5,367	1.42	0.44	0.72	0.08	0.00	30
	H25BS004		HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, 1.50 CY BUCKET, W/TIPS (ADD HYDRAULIC EXCAVATOR)			\$6,757	1.79	0.56	0.90	0.11	0.00	22
	H25BS005		HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, 3.25 CY BUCKET, W/TIPS (ADD HYDRAULIC EXCAVATOR)			\$10,342	2.73	0.85	1.38	0.16	0.00	52
	LABOUNTY MANUFACTURING,											
	H25LU023	100 TR	HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, GRAPPLE, 1.25CY, 3-TINE/ 4-TINE (ADD 12.5 TON HYDRAULIC EXCAVATOR)			\$10,624	3.06	0.88	1.42	0.17	0.00	18
	H25LU024	110 TR	HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, GRAPPLE, 3.50CY, 3-TINE/ 4-TINE (ADD 17.5 TON HYDRAULIC EXCAVATOR)			\$15,502	4.39	1.28	2.07	0.24	0.00	27

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>H25</i>	<i>LABOUNTY MANUFACTURING, (continued)</i>											
	H25LU025	120 TR	HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, GRAPPLE, 3.50CY, 3-TINE/ 4-TINE (ADD 22.5 TON HYDRAULIC EXCAVATOR)			\$19,143	5.45	1.58	2.55	0.30	0.00	35
	H25LU026	140 TR	HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, GRAPPLE, 5.50CY, 3-TINE/ 4-TINE (ADD 30 TON HYDRAULIC EXCAVATOR)			\$21,801	6.25	1.80	2.91	0.34	0.00	49
	H25LU027	160 TR	HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, GRAPPLE, 6.50CY, 3-TINE/ 4-TINE (ADD 37.5 TON HYDRAULIC EXCAVATOR)			\$24,439	7.05	2.01	3.26	0.38	0.00	60
	H25LU028	170 TR	HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, GRAPPLE, 9.00CY, 3-TINE/ 4-TINE (ADD 50 TON HYDRAULIC EXCAVATOR)			\$31,390	8.98	2.59	4.19	0.49	0.00	80
	H25LU029	RB 80	HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, ROTATING BARREL HANDLER (ADD HYDRAULIC EXCAVATOR)			\$25,111	7.02	2.07	3.35	0.39	0.00	17
	H25LU030	RBC 80	HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, ROTATING BARREL HANDLER/CRUSHER (ADD 20 TON HYDRAULIC EXCAVATOR)			\$38,864	10.85	3.20	5.18	0.61	0.00	21
	H25LU031	MD 30	HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, MATERIAL DENSIFIER, (ADD 25 TON HYDRAULIC EXCAVATOR)			\$63,925	18.06	5.26	8.52	1.00	0.00	60
	H25LU032	MD 50	HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, MATERIAL DENSIFIER, (ADD 35 TON HYDRAULIC EXCAVATOR)			\$76,427	21.56	6.29	10.19	1.19	0.00	90
	H25LU033	R80	HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, ROTATING GRAPPLE, 0.75 CY (ADD 17.5 TON HYDRAULIC EXCAVATOR)			\$34,877	9.80	2.87	4.65	0.54	0.00	22
	H25LU034	R100	HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, ROTATING GRAPPLE, 1.00 CY (ADD 22.5 TON HYDRAULIC EXCAVATOR)			\$46,884	13.16	3.86	6.25	0.73	0.00	40
	H25LU035	R110	HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, ROTATING GRAPPLE, 1.25 CY (ADD 30 TON HYDRAULIC EXCAVATOR)			\$49,613	13.99	4.08	6.62	0.77	0.00	64

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>H25</i>	<i>LABOUNTY MANUFACTURING, (continued)</i>											
	H25LU036	R120	HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, ROTATING GRAPPLE, 2.00 CY (ADD 37.5 TON HYDRAULIC EXCAVATOR)			\$52,314	14.81	4.31	6.98	0.82	0.00	84
	WAIN-ROY, INC.											
	H25WN001		HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, BUCKET, 36" PAVEMENT REMOVAL (ADD 37.5 TON HYDRAULIC EXCAVATOR)			\$11,376	3.01	0.94	1.52	0.18	0.00	31
	SUBCATEGORY 0.23 ATTACHMENTS, CONCRETE PULVERIZERS											
	CATERPILLAR INC. (MACHINE DIVISION)											
	H25CA058	CR3	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, CRUSHER, 16.0" JAW OPENING (ADD HYDRAULIC EXCAVATOR)			\$18,706	6.12	1.61	2.65	0.28	0.00	6
	H25CA059	P16	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 30.0" JAW OPENING (ADD HYDRAULIC EXCAVATOR)			\$68,052	21.05	5.85	9.64	1.03	0.00	53
	H25CA060	P28	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 34.0" JAW OPENING (ADD HYDRAULIC EXCAVATOR)			\$100,165	30.85	8.62	14.19	1.52	0.00	87
	H25CA061	CR28	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, CRUSHER, 36.0" JAW OPENING (ADD HYDRAULIC EXCAVATOR)			\$87,387	27.01	7.52	12.38	1.33	0.00	81
	H25CA062	P60	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 45.0" JAW OPENING (ADD HYDRAULIC EXCAVATOR)			\$159,792	48.93	13.75	22.64	2.43	0.00	194
	H25CA063	CR35	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, CRUSHER, 47.0" JAW OPENING (ADD HYDRAULIC EXCAVATOR)			\$114,377	35.27	9.84	16.20	1.74	0.00	111
	H25CA064	CR50	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, CRUSHER, 63.0" JAW OPENING (ADD HYDRAULIC EXCAVATOR)			\$139,009	42.77	11.96	19.69	2.11	0.00	155

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
KENT DEMOLITION TOOLS												
	H25KN001	KHB10G 11	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 2000 LB, W/POINT (ADD 8-12 TON HYDRAULIC EXCAVATOR)			\$29,501	9.37	2.54	4.18	0.45	0.00	16
	H25KN002	KHB15G 11	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 3000 LB, W/POINT (ADD 13-18 TON HYDRAULIC EXCAVATOR)			\$40,748	12.74	3.51	5.77	0.62	0.00	29
	H25KN003	KHB20G 11	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 4000 LB, W/POINT (ADD 18-25 TON HYDRAULIC EXCAVATOR)			\$49,767	15.46	4.29	7.05	0.76	0.00	40
	H25KN004	KHB30G 11	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 5000 LB, W/POINT (ADD 25-32 TON HYDRAULIC EXCAVATOR)			\$64,635	19.93	5.56	9.16	0.98	0.00	46
	H25KN005	KHB40G 11	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 7000 LB, W/POINT (ADD 32-44 TON HYDRAULIC EXCAVATOR)			\$81,254	25.41	6.99	11.51	1.23	0.00	60
	H25KN006	KHB50G 11	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 10,000 LB, W/POINT (ADD 40 TON HYDRAULIC EXCAVATOR)			\$115,206	35.62	9.91	16.32	1.75	0.00	87
LABOUNTY MANUFACTURING,												
	H25LU045	CP 30	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 14.5" THICK, (ADD 17.5 TON HYDRAULIC EXCAVATOR)			\$21,452	6.95	1.85	3.04	0.33	0.00	21
	H25LU046	CP 40	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 24" THICK, 16" WIDE (ADD 20 TON HYDRAULIC EXCAVATOR)			\$23,209	7.47	2.00	3.29	0.35	0.00	29
	H25LU047	CP 60	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 30" THICK, 16" WIDE (ADD 30 TON HYDRAULIC EXCAVATOR)			\$26,716	8.63	2.30	3.78	0.41	0.00	30
	H25LU048	CP 80	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 36" THICK, 21" WIDE (ADD 37.5 TON HYDRAULIC EXCAVATOR)			\$30,222	9.78	2.60	4.28	0.46	0.00	45
	H25LU049	CP 100	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 42" THICK, 30" WIDE (ADD 50 TON HYDRAULIC EXCAVATOR)			\$36,643	11.81	3.16	5.19	0.56	0.00	62
	H25LU050	CP 120	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 48" THICK, 41" WIDE (ADD 70 TON HYDRAULIC EXCAVATOR)			\$44,704	14.33	3.85	6.33	0.68	0.00	99

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>H25</i>	<i>LABOUNTY MANUFACTURING, (continued)</i>											
	H25LU040	UP 50	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, CRACKING JAWS, 36.0" JAW OPENING (ADD 22.5 TON HYDRAULIC EXCAVATOR)			\$99,940	30.79	8.60	14.16	1.52	0.00	102
	H25LU041	UP 70	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, CRACKING JAWS, 48.0" JAW OPENING (ADD 30 TON HYDRAULIC EXCAVATOR)			\$124,598	38.19	10.72	17.65	1.89	0.00	138
	H25LU042	UP 90	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, CRACKING JAWS, 62.0" JAW OPENING (ADD 37.5 TON HYDRAULIC EXCAVATOR)			\$148,035	45.99	12.74	20.97	2.25	0.00	171
	H25LU053	UP 50	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, STEEL JAWS, 41" JAW OPENING (ADD 22.5 TON HYDRAULIC EXCAVATOR)			\$102,280	31.48	8.80	14.49	1.55	0.00	96
	H25LU054	UP 70	HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, PLATE SHEAR, 21" JAW OPENING (ADD 30 TON HYDRAULIC EXCAVATOR)			\$125,844	38.57	10.83	17.83	1.91	0.00	126
	SUBCATEGORY 0.24 ATTACHMENTS, COMPACTORS											
	ALLIED CONSTRUCTION PRODUCTS											
	H25AU001	4700 W/SWIVEL	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 18" X 12", 3030 LBS FORCE (ADD HYDRAULIC EXCAVATOR)			\$6,021	1.81	0.52	0.85	0.09	0.00	4
	H25AU002	8700C W/SWIVEL	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 34" X 24", 6400 LBS FORCE (ADD HYDRAULIC EXCAVATOR)			\$6,755	2.03	0.58	0.96	0.10	0.00	9
	H25AU003	9700C W/SWIVEL	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 40" X 29", 13500 LBS FORCE (ADD HYDRAULIC EXCAVATOR)			\$9,901	2.97	0.85	1.40	0.15	0.00	16
	H25AU004	9800 W/SWIVEL	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 44" X 34", 20000 LBS FORCE (ADD HYDRAULIC EXCAVATOR)			\$15,648	4.71	1.35	2.22	0.24	0.00	23
	H25AU005	9801 W/SWIVEL	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 44" X 34", 22000 LBS FORCE (ADD HYDRAULIC EXCAVATOR)			\$15,958	4.79	1.37	2.26	0.24	0.00	23

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
AMERICAN COMPACTION EQUIPMENT, INC.												
	H25AX001	DC-24BL	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 23" WIDE, SHEEPS FOOT, 3 RIMS (ADD 12.5-25 TON HYDRAULIC EXCAVATOR)			\$6,287	1.89	0.55	0.89	0.10	0.00	21
	H25AX003	DC-24EX	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 23" WIDE, SHEEPS FOOT, 3 RIMS (ADD 25-37.5 TON HYDRAULIC EXCAVATOR)			\$7,689	2.31	0.67	1.09	0.12	0.00	31
	H25AX005	DC-24EXL	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 24" WIDE, SHEEPS FOOT, 3 RIMS (ADD 37.5-55 TON HYDRAULIC EXCAVATOR)			\$8,434	2.53	0.73	1.19	0.13	0.00	35
	H25AX002	DC-36BL	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 35" WIDE, SHEEPS FOOT, 4 RIMS (ADD 12.5-25 TON HYDRAULIC EXCAVATOR)			\$6,827	2.05	0.59	0.97	0.10	0.00	25
	H25AX004	DC-36EX	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 35" WIDE, SHEEPS FOOT, 4 RIMS (ADD 25-37.5 TON HYDRAULIC EXCAVATOR)			\$8,755	2.63	0.75	1.24	0.13	0.00	37
	H25AX006	DC-36EXL	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 36" WIDE, SHEEPS FOOT, 4 RIMS (ADD 37.5-55 TON HYDRAULIC EXCAVATOR)			\$9,514	2.86	0.82	1.35	0.14	0.00	43
KENT DEMOLITION TOOLS												
	H25KN007	KHP-30	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 3000 LB FORCE (ADD HYDRAULIC EXCAVATOR)			\$4,128	1.38	0.35	0.58	0.06	0.00	4
	H25KN009	KHP-135	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 13500 LB FORCE (ADD HYDRAULIC EXCAVATOR)			\$8,320	2.66	0.72	1.18	0.13	0.00	14
	H25KN010	KHP-210	HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 20000 LB FORCE (ADD HYDRAULIC EXCAVATOR)			\$12,391	3.88	1.07	1.76	0.19	0.00	23

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT	
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL		
H30 HYDRAULIC EXCAVATORS, WHEEL MOUNTED													
SUBCATEGORY 0.01 0 THRU 1.0 CY													
CATERPILLAR INC. (MACHINE DIVISION)													
	H30CA006	M312	HYDRAULIC EXCAVATORS, WHEEL, 30,400 LBS, 0.70 CY BUCKET, 1-PIECE BOOM, 16'8" DIGGING DEPTH, 4X4X2	113 HP	D-off	\$140,517	29.66	8.55	12.74	2.18	4.69	303	
	H30CA007	M315	HYDRAULIC EXCAVATORS, WHEEL, 35,100 LBS, 0.70 CY BUCKET, 1-PIECE, 17'7" DIGGING DEPTH, 4X4X2	114 HP	D-off	\$161,208	33.13	9.84	14.68	2.50	4.74	354	
GRADALL COMPANY													
	H30GA003	G3WD 4X2	HYDRAULIC EXCAVATORS, WHEEL, 34,100 LBS, 0.625CY BUCKET, TELESCOPIC BOOM, 4X2	173 HP	D-off	190 HP D-on	\$166,082	39.43	10.21	15.27	2.57	9.00	342
	H30GA006	XL4100	HYDRAULIC EXCAVATORS, WHEEL, 44,851 LBS, 0.75 CY BUCKET, 22'6" DIGGING DEPTH, TELESCOPIC BOOM, 6X4	138 HP	D-off	185 HP D-on	\$276,981	55.85	17.04	25.49	4.29	7.49	457
SUBCATEGORY 0.02 OVER 1.0 CY													
CATERPILLAR INC. (MACHINE DIVISION)													
	H30CA005	M318	HYDRAULIC EXCAVATORS, WHEEL, 33,700 LBS, 1.00 CY BUCKET, 19' DIGGING DEPTH, 30.7' RAD, 4X4	131 HP	D-off		\$179,149	33.30	9.25	13.06	2.72	5.44	393
	H30CA008	M320	HYDRAULIC EXCAVATORS, WHEEL, 44,800 LBS, 1.060 CY BUCKET, 1-PIECE, 19' DIGGING DEPTH, 4X4X2	130 HP	D-off		\$206,912	38.21	10.68	15.07	3.14	5.40	448
GRADALL COMPANY													
	H30GA008	XL 5100	HYDRAULIC EXCAVATORS, WHEEL, 22,800 LBS, 1.25 CY BUCKET, 25'4" DIGGING DEPTH, 6X4	163 HP	D-off	230 HP D-on	\$325,177	60.30	16.81	23.76	4.93	8.96	553

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	Komatsu America International Company											
	H30KM001	PW170ES-6	HYDRAULIC EXCAVATORS, WHEEL, 37,600 LBS, 1.12 CY BUCKET, 18.67' DIGGING DEPTH, 29.4' RAD, 4X4	123 HP	D-off	\$214,673	37.86	11.18	15.85	3.25	5.11	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, MASS BUCKET, 9' DIG DEEP	424 HP	D-off	\$960,523	148.90	37.64	48.03	13.62	18.75	1,848
	HITACHI CONSTRUCTION MACHINERY											
	H35HI004	EX750-5	HYDRAULIC SHOVEL, CRAWLER, 5.23 CY BUCKET	434 HP	D-off	\$966,685	150.23	37.88	48.33	13.71	19.19	1,666
	H35HI005	EX1100-3	HYDRAULIC SHOVEL, CRAWLER, 7.50 CY BUCKET, ROCK, 235,700 LBS	550 HP	D-off	\$1,095,975	173.44	42.94	54.80	15.54	24.32	2,356
	H35HI006	EX1200	HYDRAULIC SHOVEL, CRAWLER, 8.5 CY, GENERAL PURPOSE BUCKET, 244,700 LBS	641 HP	D-off	\$1,107,987	179.89	43.41	55.40	15.71	28.35	2,447
	H35HI002	EX1800-3	HYDRAULIC SHOVEL, CRAWLER, 13.50 CY BUCKET	1,000 HP	D-off	\$1,891,693	302.06	74.11	94.58	26.82	44.22	3,896
	H35HI003	EX3500-3	HYDRAULIC SHOVEL, CRAWLER, 23.50 CY BUCKET	1,634 HP	D-off	\$3,884,575	597.81	152.19	194.23	55.07	72.26	7,360
	O & K ORENSTEIN & KOPPEL INC.											
	H35OK001	RH 40 E	HYDRAULIC SHOVEL, CRAWLER, 9.20 CY BUCKET	496 HP	D-off	\$965,473	153.39	37.83	48.27	13.69	21.93	2,204
	H35OK003	RH 90 C	HYDRAULIC SHOVEL, CRAWLER, 13.10 CY BUCKET	856 HP	D-off	\$1,794,130	281.53	70.30	89.71	25.44	37.85	3,484
	H35OK004	RH 120 C	HYDRAULIC SHOVEL, CRAWLER, 17.00 CY BUCKET	1,150 HP	D-off	\$2,481,435	387.56	97.22	124.07	35.18	50.85	4,895
	H35OK005	RH 200	HYDRAULIC SHOVEL, CRAWLER, 34.00 CY BUCKET	2,060 HP	D-off	\$5,281,619	804.14	206.92	264.08	74.88	91.09	10,582

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS				
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT	
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 D7 TRACTOR DOZER)			\$8,688	1.75	0.48	0.70	0.13	0.00	24	
	L10BS005	BRK8	LAND CLEARING EQUIPMENT, ROCK & ROOT RAKE 12.5' WIDE, 9 TEETH (ADD D8 TRACTOR DOZER)			\$22,933	4.24	1.26	1.83	0.34	0.00	72	
	L10BS002	BMA8	LAND CLEARING EQUIPMENT, MULTI-APPLICATION RAKE, 12.5' WIDE, 9 TEETH (ADD D8 TRACTOR DOZER)			\$25,184	4.62	1.38	2.01	0.37	0.00	68	
	L10BS007	988 DTC	LAND CLEARING EQUIPMENT, LOGGING FORK, 92" TINES (ADD CAT 988 FE LOADER)			\$32,355	6.06	1.78	2.59	0.48	0.00	90	
	L10BS006	RV8N	LAND CLEARING EQUIPMENT, V-TREE CUTTER (ADD D8 TRACTOR DOZER)			\$36,049	6.59	1.97	2.88	0.53	0.00	133	
			BUSH HOG										
	L10BU009	FH174	LAND CLEARING EQUIPMENT, FLAIL MOWER, 62" WIDE, 0.5 - 5" HEIGHT (ADD FARM 30 - 60 HP TRACTOR)			\$4,364	1.65	0.24	0.35	0.06	0.00	10	
	L10BU005	SM-60	LAND CLEARING EQUIPMENT, ROTARY CUTTER, 5' WIDE-SIDE MTD (ADD FARM 50 HP TRACTOR)			\$7,121	2.32	0.39	0.57	0.10	0.00	17	
	L10BU010	278RP	LAND CLEARING EQUIPMENT, ROTARY CUTTER, 8' WIDE, 2.5 - 12" HEIGHT (ADD FARM 40 HP TRACTOR)			\$5,709	1.78	0.31	0.46	0.08	0.00	13	
	L10BU011	3610	LAND CLEARING EQUIPMENT, ROTARY CUTTER, 10.5' WIDE, 2 - 14" HEIGHT (ADD 70 HP FARM TRACTOR)			\$11,600	3.49	0.64	0.93	0.17	0.00	46	
	L10BU012	3615	LAND CLEARING EQUIPMENT, ROTARY CUTTER, 15' WIDE, 2-14" HEIGHT (ADD FARM 80 HP TRACTOR)			\$14,739	4.53	0.81	1.18	0.22	0.00	51	
	L10BU013	2620	LAND CLEARING EQUIPMENT, ROTARY CUTTER, 20' WIDE, 2-14" HEIGHT (ADD FARM 90 HP TRACTOR)			\$17,888	5.57	0.98	1.43	0.26	0.00	63	

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	VERMEER MANUFACTURING CO.											
	L10VE010	SC 252	LAND CLEARING EQUIPMENT, STUMPER, 16" DIA WHEEL, TRAILER MTD	25 HP	G	\$12,197	4.97	0.66	0.96	0.18	2.27	11
	L10VE002	SC 630B	LAND CLEARING EQUIPMENT, STUMPER, 18" DIA WHEEL, TRAILER MTD	34 HP	G	\$12,462	6.04	0.67	0.97	0.18	3.08	17
	L10VE009	SC 672A	LAND CLEARING EQUIPMENT, STUMPER, 25" DIA WHEEL, TRAILER MTD	65 HP	G	\$24,863	11.72	1.36	1.97	0.37	5.89	33
	L10VE005	TS-30	LAND CLEARING EQUIPMENT, TREE SPADE, 30" DIA, 24" DEPTH, TRAILER MTD	13 HP	G	\$8,907	3.02	0.48	0.69	0.13	1.18	38
	L10VE006	TS-44A	LAND CLEARING EQUIPMENT, TREE SPADE, 44" DIA, 40" DEPTH, TRAILER MTD	13 HP	G	\$21,671	5.21	1.18	1.71	0.32	1.18	66
	L10VE007	TS-50M	LAND CLEARING EQUIPMENT, TREE SPADE, 50" DIA, 48" DEPTH (ADD 13,800 GVW TRUCK)			\$20,663	5.04	1.13	1.65	0.30	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	\$12,722	8.45	1.54	2.65	0.21	3.02	25
	L15BW002	VICTOR 800	LANDSCAPING EQUIPMENT, 800 GAL, HYDROMULCHER, TRAILER MTD	35 HP	G	\$18,285	12.00	2.20	3.79	0.30	4.23	48
	L15BW003	VICTOR 1100	LANDSCAPING EQUIPMENT, 1,100 GAL, HYDROMULCHER, TRAILER MTD	35 HP	G	\$21,608	13.25	2.60	4.49	0.35	4.23	60
	L15BW004	IMPERIAL 3000	LANDSCAPING EQUIPMENT, 3,000 GAL, HYDROMULCHER, TRUCK MTD (ADD 55,000 GVW TRUCK)	90 HP	D-off	\$35,712	19.54	4.39	7.59	0.59	4.94	88
	FINN CORPORATION											
	L15FG001	T330	LANDSCAPING EQUIPMENT, HYDROSEEDER, 3000 GAL, TRUCK MTD (INCLUDES 56,000 GVW TRUCK)	109 HP	D-off	\$46,534	28.44	5.71	9.89	0.76	8.90	85
	DEERE & COMPANY											
	L15JD001	F725	LANDSCAPING EQUIPMENT, LAWNMOWER, 54" DECK, SIDE DISCHARGE RIDING, 4X2	20 HP	G	\$10,700	6.91	1.23	2.09	0.18	2.42	12

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
L15	DEERE & COMPANY (continued)											
	L15JD002	F911	LANDSCAPING EQUIPMENT, LAWNMOWER, 60" DECK, SIDE DISCHARGE RIDING, 4X2	22 HP	G	\$14,678	8.69	1.70	2.92	0.24	2.66	15
	L15JD004	F935	LANDSCAPING EQUIPMENT, LAWNMOWER, 72" DECK, SIDE DISCHARGE RIDING, 4X2	22 HP	D-off	\$18,360	8.34	2.15	3.70	0.30	1.21	23
	L15JD003	F1145	LANDSCAPING EQUIPMENT, LAWNMOWER, 72" DECK, SIDE DISCHARGE RIDING, 4X4	28 HP	D-off	\$22,388	10.27	2.64	4.53	0.37	1.54	26
	TORO											
	L15TO001	SR-21SE	LANDSCAPING EQUIPMENT, LAWNMOWER, 21" PUSH MOWER, REAR BAGGER	6 HP	G	\$887	1.20	0.11	0.19	0.01	0.72	1
	L15TO002	8-25	LANDSCAPING EQUIPMENT, LAWNMOWER, 32" DECK, RIDING MOWER	8 HP	G	\$2,415	2.08	0.28	0.47	0.04	0.97	4
	L15TO003	267-H	LANDSCAPING EQUIPMENT, LAWNMOWER, 48" DECK W/118 TRACTOR	17 HP	G	\$4,729	4.26	0.56	0.96	0.08	2.05	8
	L15TO004	267-H	LANDSCAPING EQUIPMENT, LAWNMOWER, 52" DECK W/118 TRACTOR	17 HP	G	\$4,929	4.33	0.59	1.01	0.08	2.05	8
	L15TO006	30223	LANDSCAPING EQUIPMENT, LAWNMOWER, 62" DECK W/223 TRACTOR	23 HP	G	\$16,409	9.56	1.97	3.40	0.27	2.78	18
	L15TO005	30243	LANDSCAPING EQUIPMENT, LAWNMOWER, 62" DECK W/223D TRACTOR	23 HP	D-off	\$20,131	9.13	2.43	4.19	0.33	1.26	20
	L15TO007	30789	LANDSCAPING EQUIPMENT, LAWNMOWER, 72" DECK	45 HP	G	\$18,071	13.42	2.18	3.76	0.30	5.44	20
	L15TO008	30795	LANDSCAPING EQUIPMENT, LAWNMOWER, 72" DECK W/223D TRACTOR	25 HP	D-off	\$22,748	10.26	2.75	4.75	0.37	1.37	25
	WILLMAR EQUIPMENT COMPANY											
	L15WI001	S-200	LANDSCAPING EQUIPMENT, SPREADER, 85 CF DRY CHEMICAL (ADD 55 HP FARM TRACTOR)			\$6,068	2.32	0.73	1.25	0.10	0.00	15
L25	LINE STRIPING EQUIPMENT											
	SUBCATEGORY 0.00 LINE STRIPING EQUIPMENT											
	M-B COMPANIES, INC.											
	L25MB002	5-10A	LINE STRIPING EQUIPMENT, STRIPER, 1 GUN, WALK-BEHIND, SINGLE COLOR	5 HP	G	\$3,317	2.59	0.22	0.33	0.05	0.64	6

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
L25	M-B COMPANIES, INC. (continued)											
	L25MB005	5-12	LINE STRIPING EQUIPMENT, STRIPER, 2 GUNS, WALK BEHIND, SINGLE COLOR	10 HP	G	\$4,745	3.70	0.31	0.47	0.07	1.28	10
	L25MB003	6-28	LINE STRIPING EQUIPMENT, STRIPER, INTERMEDIATE 2 GUNS, SINGLE COLOR	10 HP	G	\$11,006	5.49	0.72	1.10	0.17	1.28	15
	L25MB007	220	LINE STRIPING EQUIPMENT, STRIPER, 3-4 GUNS, SELF PROPELLED	23 HP	G	\$36,382	13.46	2.37	3.64	0.55	2.95	30
	L25MB006	245	LINE STRIPING EQUIPMENT, STRIPER, INTERMEDIATE 3 GUNS	60 HP	G	\$80,127	30.16	5.22	8.01	1.21	7.70	48
	L25MB004	VANMARK 360	LINE STRIPING EQUIPMENT, STRIPER, PAVING, 2-3 LINES, W/ 11,000# GVW TRUCK, TWO COLORS	190 HP	G	\$102,299	56.15	6.59	10.10	1.54	24.39	116
	L25MB008	360	LINE STRIPING EQUIPMENT, STRIPER, THERMAL 120 GAL, TRUCK MTD	190 HP	G	\$192,059	78.50	12.21	18.64	2.89	24.39	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	\$121,395	23.52	6.53	9.50	1.78	1.06	138
		KOLMAN / ATHEY DIV.										
	L30KL003		LOADER, CONVEYOR BELT & ACCESSORIES, BELT FEEDER DOZER TRAP	3 HP	D-off	\$11,278	2.20	0.62	0.90	0.17	0.13	33
	L30KL013		LOADER, CONVEYOR BELT & ACCESSORIES, WING WALLS STATIONARY			\$1,678	0.29	0.09	0.13	0.02	0.00	9
	L30KL018	XHD	LOADER, CONVEYOR BELT & ACCESSORIES, JACKLEG			\$1,291	0.23	0.07	0.10	0.02	0.00	7
		MORGEN MANUFACTURING CO.										
	L30MO001	303-750	LOADER, CONVEYOR BELT & ACCESSORIES, CONVEYOR, 48', MOBILE, CONCRETE & AGGREGATE 16" WIDE	30 HP	G	\$37,753	10.50	2.02	2.94	0.55	2.94	57

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
L30	MORGEN MANUFACTURING CO. (continued)											
	L30M0002	303-775	LOADER, CONVEYOR BELT & ACCESSORIES, CONVEYOR, 56', MOBILE, CONCRETE & AGGREGATE 16" WIDE	30 HP	G	\$39,466	10.82	2.12	3.08	0.58	2.94	62
	METSO MINERALS											
	L30RA001	CV50D	LOADER, CONVEYOR BELT & ACCESSORIES, GRIZZLY SINGLE SCREEN, 40 CY/HR TRAILER MTD	25 HP	D-off	\$52,779	10.94	2.85	4.13	0.78	1.11	130
	TELSMITH INC.											
	L30TS001	PTC 24IN X 50FT	LOADER, CONVEYOR BELT & ACCESSORIES, CONVEYOR, TRUSS FRAME, 24"WX 50'L, WHEEL MTD, 750 TPH	10 HP	E	\$37,256	7.43	1.98	2.85	0.55	0.42	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	70 HP	D-off	\$79,981	19.61	4.37	6.40	1.17	3.38	187
	L35CA012	933-C LGP HYSTAT	LOADER, FRONT END, CRAWLER, 1.30 CY BUCKET - LGP, HYSTAT	70 HP	D-off	\$96,451	22.73	5.28	7.72	1.42	3.38	199
	L35CA013	939-C	LOADER, FRONT END, CRAWLER, 1.50 CY BUCKET	90 HP	D-off	\$100,003	24.67	5.47	8.00	1.47	4.34	209
	L35CA005	953-C	LOADER, FRONT END, CRAWLER, 2.25 CY BUCKET	121 HP	D-off	\$174,876	40.81	9.57	13.99	2.57	5.84	319
	L35CA014	963-C	LOADER, FRONT END, CRAWLER, 3.20 CY BUCKET	160 HP	D-off	\$223,944	52.58	12.25	17.92	3.29	7.72	433
	L35CA007	973	LOADER, FRONT END, CRAWLER, 3.70 CY BUCKET	208 HP	D-off	\$339,531	77.48	18.57	27.16	4.99	10.03	601
	Komatsu America International Company											
	L35KM006	D75S-5	LOADER, FRONT END, CRAWLER, 3.30 CY BUCKET, PS	200 HP	D-off	\$378,107	84.26	20.68	30.25	5.55	9.65	483

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
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, GENERAL PURPOSE	45 HP	D-off	\$67,486	14.08	3.68	5.30	1.03	1.99	96
	L40CA033	906	LOADER, FRONT END, WHEEL, 1.00 CY BUCKET, GENERAL PURPOSE	60 HP	D-off	\$74,395	16.09	4.07	5.86	1.14	2.65	111
	L40CA034	908	LOADER, FRONT END, WHEEL, 1.30 CY BUCKET, GENERAL PURPOSE	82 HP	D-off	\$81,810	20.71	4.39	6.27	1.25	3.63	133
	L40CA019	914G	LOADER, FRONT END, WHEEL, 1.70 CY BUCKET, ARTICULATED, 4X4	89 HP	D-off	\$93,166	21.55	5.09	7.33	1.42	3.94	157
	L40CA022	924GZ	LOADER, FRONT END, WHEEL, 2.20 CY BUCKET, ARTICULATED, 4X4	112 HP	D-off	\$107,516	25.36	5.88	8.48	1.64	4.95	218
	L40CA015	928G	LOADER, FRONT END, WHEEL, 2.50 CY BUCKET, ARTICULATED, 4X4	125 HP	D-off	\$128,191	29.48	7.04	10.15	1.96	5.53	257
	L40CA023	938G	LOADER, FRONT END, WHEEL, 3.25 CY BUCKET, ARTICULATED, 4X4	160 HP	D-off	\$157,604	37.78	8.55	12.27	2.41	7.08	289
	L40CA024	950G	LOADER, FRONT END, WHEEL, 3.50 CY BUCKET, ARTICULATED, 4X4	180 HP	D-off	\$207,326	48.09	11.22	16.09	3.17	7.96	392
	L40CA025	962G	LOADER, FRONT END, WHEEL, 4.00 CY BUCKET, ARTICULATED, 4X4	200 HP	D-off	\$215,745	50.65	11.68	16.77	3.29	8.84	405
	CASE CORPORATION											
	L40CS009	621D	LOADER, FRONT END, WHEEL, 2.60 CY BUCKET, 4X4, ARTICULATED	134 HP	D-off	\$135,572	32.29	7.35	10.55	2.07	5.93	256
	L40CS010	721C	LOADER, FRONT END, WHEEL, 2.75 CY BUCKET, 4X4, ARTICULATED	152 HP	D-off	\$159,872	37.29	8.70	12.52	2.44	6.72	296
	L40CS011	821C	LOADER, FRONT END, WHEEL, 3.67 CY BUCKET, 4X4, ARTICULATED	187 HP	D-off	\$213,086	49.25	11.55	16.59	3.25	8.27	379
	Komatsu America International Company											
	L40KM014	WA65-3	LOADER, FRONT END, WHEEL, 0.92 CY BUCKET, GENERAL PURPOSE	50 HP	D-off	\$60,187	13.35	3.25	4.66	0.92	2.21	93
	L40KM015	WA95-3	LOADER, FRONT END, WHEEL, 1.40 CY BUCKET, GENERAL PURPOSE	75 HP	D-off	\$74,266	17.31	4.00	5.73	1.13	3.32	128

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV) 2000 (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER		AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	<i>L40</i>	<i>Komatsu America International Company (continued)</i>										
	L40KM001	WA120-3L3	LOADER, FRONT END, WHEEL, 1.85 CY BUCKET, ARTICULATED, 4X4	105 HP	D-off	\$117,240	26.67	6.41	9.23	1.79	4.64	181
	L40KM002	WA180-3L	LOADER, FRONT END, WHEEL, 2.25 CY BUCKET, ARTICULATED, 4X4	118 HP	D-off	\$135,513	30.41	7.43	10.71	2.07	5.22	206
	L40KM003	WA250-3MC	LOADER, FRONT END, WHEEL, 2.50 CY BUCKET, ARTICULATED, 4X4	135 HP	D-off	\$163,756	35.99	9.00	13.00	2.50	5.97	248
	L40KM004	WA320-3MC	LOADER, FRONT END, WHEEL, 3.50 CY BUCKET, ARTICULATED, 4X4	173 HP	D-off	\$193,119	44.28	10.53	15.15	2.95	7.65	312
	L40KM005	WA380-3MC	LOADER, FRONT END, WHEEL, 4.25 CY BUCKET, ARTICULATED, 4X4	205 HP	D-off	\$249,067	56.67	13.51	19.41	3.80	9.07	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	\$289,492	52.90	12.39	16.47	4.15	10.30	497
	L40CA027	972G	LOADER, FRONT END, WHEEL, 5.25 CY BUCKET, ARTICULATED, 4X4	265 HP	D-off	\$318,676	57.19	13.73	18.31	4.57	11.72	550
	L40CA007	980G	LOADER, FRONT END, WHEEL, 6.00 CY BUCKET, ARTICULATED, 4X4	300 HP	D-off	\$398,855	71.26	17.10	22.75	5.72	13.27	645
	L40CA008	988F SERIES II	LOADER, FRONT END, WHEEL, 9.00 CY BUCKET, ARTICULATED, 4X4	430 HP	D-off	\$584,783	100.46	24.93	33.10	8.38	19.01	968
	L40CA018	990 SERIES II	LOADER, FRONT END, WHEEL, 11.00 CY BUCKET, ARTICULATED, 4X4	625 HP	D-off	\$976,828	156.86	41.55	55.09	14.00	27.64	1,628
	L40CA009	992-D	LOADER, FRONT END, WHEEL, 15.00 CY BUCKET, ARTICULATED, 4X4	800 HP	D-off	\$1,355,982	212.81	57.92	76.95	19.44	35.38	2,023
	Komatsu America International Company											
	L40KM006	WA420-3MC	LOADER, FRONT END, WHEEL, 4.80 CY BUCKET, ARTICULATED, 4X4	230 HP	D-off	\$276,763	50.02	11.90	15.86	3.97	10.17	428
	L40KM007	WA450-3MC	LOADER, FRONT END, WHEEL, 5.50 CY BUCKET, ARTICULATED, 4X4	271 HP	D-off	\$329,786	58.15	14.08	18.69	4.73	11.98	502
	L40KM008	WA500-3L	LOADER, FRONT END, WHEEL, 6.50 CY BUCKET, ARTICULATED, 4X4	335 HP	D-off	\$454,379	77.35	19.45	25.87	6.51	14.81	663
	L40KM009	WA600-3L	LOADER, FRONT END, WHEEL, 8.00 CY BUCKET, ARTICULATED, 4X4	490 HP	D-off	\$605,411	103.40	25.66	33.95	8.68	21.67	997

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>L40</i>	<i>Komatsu America International Company (continued)</i>											
	L40KM010	WA700-3L	LOADER, FRONT END, WHEEL, 11.10 CY BUCKET, ARTICULATED, 4X4	684 HP	D-off	\$1,176,358	182.84	50.50	67.27	16.86	30.25	1,511
	L40KM011	WA800-3LC	LOADER, FRONT END, WHEEL, 13.10 CY BUCKET, ARTICULATED, 4X4	853 HP	D-off	\$1,516,371	235.05	64.88	86.30	21.73	37.72	2,192
	SUBCATEGORY 0.20		SKID STEER									
	CATERPILLAR INC. (MACHINE DIVISION)											
	L40CA028	216	LOADER, FRONT END, WHEEL, SKID-STEER, 13.0 CF, 23 CWT, 60" BUCKET, 4X4	49 HP	D-off	\$23,474	8.10	1.49	2.27	0.35	2.36	55
	L40CA029	226	LOADER, FRONT END, WHEEL, SKID-STEER, 13.0 CF, 25 CWT, 60" BUCKET, 4X4	54 HP	D-off	\$24,559	8.65	1.56	2.37	0.37	2.60	57
	L40CA030	236	LOADER, FRONT END, WHEEL, SKID-STEER, 14.0 CF, 40 CWT, 66" BUCKET, 4X4	59 HP	D-off	\$29,666	10.09	1.88	2.85	0.45	2.85	71
	L40CA031	246	LOADER, FRONT END, WHEEL, SKID-STEER, 15.4 CF, 40 CWT, 72" BUCKET, 4X4	74 HP	D-off	\$31,439	11.43	1.99	3.03	0.47	3.57	74
	MELROE COMPANY/BOBCAT											
	L40ME016	453	LOADER, FRONT END, WHEEL, SKID-STEER, 6.5 CF, 44" BUCKET	16 HP	D-off	\$11,732	3.45	0.75	1.14	0.18	0.76	25
	L40ME017	553	LOADER, FRONT END, WHEEL, SKID-STEER, 6.7 CF, 48" BUCKET	23 HP	D-off	\$15,465	4.72	0.97	1.48	0.23	1.09	37
	L40ME012	753	LOADER, FRONT END, WHEEL, SKID-STEER, 13.0 CF, 1,300 LBS, 60" BUCKET	44 HP	D-off	\$19,924	6.98	1.27	1.94	0.30	2.10	48
	L40ME018	751	LOADER, FRONT END, WHEEL, SKID-STEER, 14.3 CF, 60" BUCKET	38 HP	D-off	\$17,405	6.11	1.11	1.69	0.26	1.83	48
	L40ME019	863	LOADER, FRONT END, WHEEL, SKID-STEER, 16.3 CF, 66" BUCKET	73 HP	D-off	\$27,512	10.58	1.73	2.64	0.41	3.52	70
	L40ME020	963	LOADER, FRONT END, WHEEL, SKID-STEER, 23.3 CF, 3,000 LBS, 78" BUCKET	105 HP	D-off	\$46,541	16.87	2.89	4.37	0.70	5.07	99

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV) 2000 (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER		AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	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	90 HP	D-off	\$106,007	23.87	5.49	7.75	1.61	3.98	172
	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	125 HP	D-off	\$141,511	31.87	7.34	10.39	2.14	5.53	235
	L40CA014	IT62G	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	200 HP	D-off	\$242,644	53.20	12.64	17.92	3.68	8.84	404
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	118 HP	D-off	\$139,951	31.37	7.24	10.24	2.12	5.22	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	135 HP	D-off	\$163,397	37.57	8.36	11.76	2.48	5.97	235
L50 LOADERS / BACKHOE, WHEEL TYPE												
SUBCATEGORY 0.00 LOADERS / BACKHOE, WHEEL TYPE												
CATERPILLAR INC. (MACHINE DIVISION)												
	L50CA001	416C	LOADER / BACKHOE, WHEEL, 1.00 CY FRONT END BUCKET, 24" DIP, 4.5 CF, 14.5' DIGGING DEPTH, 4X2	80 HP	D-off	\$75,878	15.91	3.93	5.55	1.15	2.79	145
	L50CA002	426C	LOADER / BACKHOE, WHEEL, 1.25 CY FRONT END BUCKET, 24" DIP, 7.0 CF, 15.5' DIGGING DEPTH, 4X2	85 HP	D-off	\$84,926	17.56	4.41	6.23	1.29	2.96	159

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV) 2000 (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER		AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	L50	CATERPILLAR INC. (MACHINE DIVISION) (continued)										
	L50CA003	436C	LOADER / BACKHOE, WHEEL, 1.38 CY FRONT END BUCKET, 30" DIP, 9.5 CF, 16.2' DIGGING DEPTH, 4X2	93 HP	D-off	\$91,447	18.98	4.74	6.70	1.39	3.24	160
	L50CA004	446B	LOADER / BACKHOE, WHEEL, 1.50 CY FRONT END BUCKET, 36" DIP, 19 CF, 17.1' DIGGING DEPTH, 4X2	110 HP	D-off	\$124,419	25.13	6.43	9.08	1.89	3.83	193
	CASE CORPORATION											
	L50CS004	580L SERIES 2	LOADER / BACKHOE, WHEEL, 1.00 CY FRONT END BUCKET, 24" DIP, 4X4, EXTENDAHOE	73 HP	D-off	\$84,602	16.94	4.39	6.21	1.28	2.54	125
	L50CS005	580 SUPER M	LOADER / BACKHOE, WHEEL, 1.00 CY FRONT END BUCKET, 24" DIP, 4X4	90 HP	D-off	\$92,207	18.96	4.78	6.76	1.40	3.14	163
	L50CS006	590 SUPER M	LOADER / BACKHOE, WHEEL, 1.25 CY FRONT END BUCKET, 24" DIP, 4X4, EXTENDAHOE	99 HP	D-off	\$105,372	21.65	5.41	7.62	1.60	3.45	169
	JCB INC.											
	L50JC001	210S SERIES 2	LOADER / BACKHOE, WHEEL, 0.80 CY FRONT END BUCKET, 24" DIPPER, 4WD	60 HP	D-off	\$58,042	12.41	2.95	4.13	0.88	2.09	106
	L50JC002	214S SERIES 4	LOADER / BACKHOE, WHEEL, 1.25 CY FRONT END BUCKET, 24" DIPPER, 2WD	72 HP	D-off	\$54,953	12.34	2.78	3.89	0.83	2.51	132
	L50JC003	214S SERIES 3	LOADER / BACKHOE, WHEEL, 1.40 CY FRONT END BUCKET, 24" DIPPER, 4WD	92 HP	D-off	\$79,120	17.17	4.06	5.71	1.20	3.21	164
	L50JC005	215S SERIES 3	LOADER / BACKHOE, WHEEL, 1.40 CY FRONT END BUCKET, 24" DIPPER, 4WD	92 HP	D-off	\$86,915	18.41	4.47	6.30	1.32	3.21	176
	L50JC007	217S SERIES 3	LOADER / BACKHOE, WHEEL, 1.60 CY FRONT END BUCKET, 24" DIPPER, 4WD	92 HP	D-off	\$111,341	22.26	5.76	8.14	1.69	3.21	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, 30" LONG (ADD 175 CFM COMPRESSOR & LDR/BH)	175 CFM	A	\$6,856	2.52	0.57	0.91	0.11	0.00	6

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
L55	KENT DEMOLITION TOOLS (continued)											
	L55KN002	KB-999	LOADER / BACKHOE, ATTACHMENTS, AIR RAM W/NARROW CHISEL, 3.5" DIA, 36" LONG (ADD 250 CFM COMPRESSOR & LDR/BH)	250 CFM	A	\$14,032	5.17	1.16	1.87	0.22	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	\$28,597	10.38	2.36	3.81	0.45	0.00	22
L60	LOG SKIDDERS											
	SUBCATEGORY 0.00 LOG SKIDDERS											
	CATERPILLAR INC. (MACHINE DIVISION)											
	L60CA014	517 GRAPPLE	LOG SKIDDER, 8 SF GRAPPLE, CABLE 69,200 # LINE-PULL & WINCH, CRAWLER	120 HP	D-off	\$233,212	44.01	13.23	19.82	3.32	5.31	364
	L60CA012	515	LOG SKIDDER, 8 SF GRAPPLE, CABLE 30,000# LINE-PULL & WINCH, WHEEL, 4X2	140 HP	D-off	\$148,041	32.38	8.17	12.12	2.11	6.19	262
	L60CA013	525	LOG SKIDDER, 11 SF GRAPPLE, CABLE 43,000# LINE-PULL & WINCH, WHEEL, 4X2	160 HP	D-off	\$177,380	38.18	9.83	14.61	2.52	7.08	284
	L60CA010	527 CABLE	LOG SKIDDER, CABLE, 69,200 # LINE-PULL AND WINCH, BLADE, CRAWLER	150 HP	D-off	\$263,174	50.45	14.93	22.37	3.74	6.63	404
	L60CA011	527 GRAPPLE	LOG SKIDDER, 10 SF GRAPPLE, CABLE 69,200 # LINE-PULL & WINCH, CRAWLER	150 HP	D-off	\$290,606	54.85	16.48	24.70	4.13	6.63	417
	DEERE & COMPANY											
	L60JD001	540G - SKIDDER	LOG SKIDDER, CABLE, 40525# LINE-PULL WINCH AND BLADE, WHEEL, 4X4	121 HP	D-off	\$124,210	28.00	6.81	10.07	1.77	5.35	217
	L60JD003	548G GRAPPLE	LOG SKIDDER, 8.0 SF GRAPPLE WITH BLADE, WHEEL, 4X4	121 HP	D-off	\$127,083	28.46	6.97	10.31	1.81	5.35	251
	L60JD004	648G GRAPPLE	LOG SKIDDER, 10.4 SF GRAPPLE WITH BLADE, WHEEL, 4X4	157 HP	D-off	\$156,198	36.50	8.38	12.31	2.22	6.94	288
	L60JD002	640G SKIDDER	LOG SKIDDER, CABLE, 48767# LINE-PULL WINCH AND BLADE, WHEEL, 4X4	157 HP	D-off	\$183,034	39.41	10.14	15.07	2.60	6.94	239
	L60JD006	643G	LOG SKIDDER, LOG FELLER/BUNCHER, 18" DIA TREE SAW CUTTER, WHEEL, 4X4	170 HP	D-off	\$207,440	44.74	11.40	16.90	2.95	7.52	320
	L60JD008	653G	LOG SKIDDER, LOG FELLER/BUNCHER, 28" DIA TREE SAW CUTTER, CRAWLER	170 HP	D-off	\$293,422	56.41	16.64	24.94	4.17	7.52	410
	L60JD007	843G	LOG SKIDDER, LOG FELLER/BUNCHER, 20" DIA TREE SAW CUTTER, WHEEL, 4X4	200 HP	D-off	\$220,629	48.50	12.15	18.02	3.14	8.84	323

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
M10	MARINE EQUIPMENT (NON DREDGING)											
	SUBCATEGORY 0.41		WORK FLOATS (NON-DREDGING)									
	MARINE INLAND FABRICATORS											
	M10MZ001		MARINE EQUIPMENT, WORK FLOAT, MEDIUM DUTY, 20' X 8' X 2'			\$5,746	1.36	0.51	0.86	0.08	0.00	43
	M10MZ003		MARINE EQUIPMENT, WORK FLOAT, MEDIUM DUTY, 20' X 10' X 3'			\$7,525	1.80	0.68	1.13	0.11	0.00	82
	SUBCATEGORY 0.42		WORK BARGES (SECTIONAL, NON-DREDGING)									
	MARINE INLAND FABRICATORS											
	M10MZ005	RAKE	MARINE EQUIPMENT, WORK BARGE, SECTIONAL, MEDIUM DUTY, W/ONE BUCKHEAD & SPUDS, 40'X12'X4			\$21,047	1.27	0.59	0.63	0.27	0.00	193
	M10MZ007		MARINE EQUIPMENT, WORK BARGE, SECTIONAL, MEDIUM DUTY, 50'X14'X4'			\$26,552	1.61	0.74	0.80	0.34	0.00	273
	M10MZ008		MARINE EQUIPMENT, WORK BARGE, SECTIONAL, MEDIUM DUTY, 55'X14'X5'			\$33,353	2.01	0.92	1.00	0.42	0.00	319
	M10MZ009		MARINE EQUIPMENT, WORK BARGE, SECTIONAL, MEDIUM DUTY, 60'X16'X5'			\$39,847	2.42	1.11	1.20	0.51	0.00	388
	NO SPECIFIC MANUFACTURER											
	M10XX001		MARINE EQUIPMENT, WORK BARGE, SECTIONAL, BOW & STERN SECTIONS			\$5,156	0.31	0.15	0.15	0.07	0.00	1
	M10XX002		MARINE EQUIPMENT, WORK BARGE, SECTIONAL, LOADING RAMPS			\$16,033	0.96	0.44	0.48	0.20	0.00	1
	M10XX003		MARINE EQUIPMENT, WORK BARGE, SECTIONAL, MID-SECTION, 20' X 10', 5 FT DEPTH			\$19,366	1.17	0.54	0.58	0.25	0.00	1
	M10XX004		MARINE EQUIPMENT, WORK BARGE, SECTIONAL, MID-SECTION, 40' X 10', 5 FT DEPTH			\$31,369	1.90	0.87	0.94	0.40	0.00	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.45 FLAT-DECK OR CARGO BARGE (NON-DREDGING)											
	NO SPECIFIC MANUFACTURER											
	M10XX005		MARINE EQUIPMENT, FLAT-DECK CARGO BARGE, 120 FT LENGTH, 30 FT BEAM, 7.25 FT DEPTH, 400 TON			\$135,427	3.83	2.32	1.43	1.60	0.00	1
	M10XX006		MARINE EQUIPMENT, FLAT-DECK CARGO BARGE, 120 FT LENGTH, 45 FT BEAM, 7.00 FT DEPTH, 800 TON			\$190,615	5.39	3.27	2.01	2.26	0.00	1
	M10XX007		MARINE EQUIPMENT, FLAT-DECK CARGO BARGE, 140 FT LENGTH, 45 FT BEAM, 7.00 FT DEPTH, 900 TON			\$241,245	6.83	4.14	2.55	2.86	0.00	1
	M10XX008		MARINE EQUIPMENT, FLAT-DECK CARGO BARGE, 150 FT LENGTH, 45 FT BEAM, 9.00 FT DEPTH, 1,100 TON			\$336,500	9.53	5.77	3.55	3.99	0.00	1
	SUBCATEGORY 0.48 ALL OTHER BARGES (NON-DREDGING)											
	NO SPECIFIC MANUFACTURER											
	M10XX016	OPEN 195	MARINE EQUIPMENT, ALL OTHER BARGES, HOPPER, 195 FT LENGTH, 35 FT BEAM, 12 FT DEPTH, 1,400 TON			\$202,353	13.06	5.68	6.41	2.47	0.00	1
	M10XX017	OPEN 200	MARINE EQUIPMENT, ALL OTHER BARGES, HOPPER, 200 FT LENGTH, 35 FT BEAM, 12 FT DEPTH, 1,600 TON			\$213,945	13.80	6.00	6.77	2.61	0.00	1
	M10XX018	CLOSED 195	MARINE EQUIPMENT, ALL OTHER BARGES, HOPPER, 195 FT LENGTH, 35 FT BEAM, 12 FT DEPTH, 1,400 TON			\$266,486	17.20	7.47	8.44	3.25	0.00	1
	M10XX019	CLOSED 200	MARINE EQUIPMENT, ALL OTHER BARGES, HOPPER, 200 FT LENGTH, 35 FT BEAM, 12 FT DEPTH, 1,600 TON			\$272,318	17.57	7.63	8.62	3.32	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, 20' 3" X 8' X 3'	140 HP	D-off	\$34,890	11.94	1.41	1.85	0.48	6.19	95

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>M10</i>			<i>MARINE INLAND FABRICATORS (continued)</i>									
	M10MZ011	MUSTANG	MARINE EQUIPMENT, BOATS & LAUNCHES, TRUCKABLE WORKBOAT W/PILOT HOUSE & PUSH KNEES, 25' 3" X 10' X 3'6"	210 HP	D-off	\$45,310	17.19	1.83	2.41	0.62	9.29	190
			SEAARK MARINE									
	M10SM005	18'	MARINE EQUIPMENT, BOATS & LAUNCHES, 18' RIVER RUNNER, VEE HULL, NO CABIN, CAP 1,350 LBS, OUTBOARD ENGINE	115 HP	G	\$20,001	16.58	0.80	1.06	0.27	11.29	15
	M10SM008	19'	MARINE EQUIPMENT, BOATS & LAUNCHES, 19' ROUSTABOUT, TRI HULL, NO CABIN, CAP 2,600 LBS, OUTBOARD ENGINE	200 HP	G	\$37,255	29.09	1.50	1.98	0.51	19.63	17
	M10SM001	17'	MARINE EQUIPMENT, BOATS & LAUNCHES, 17' LITTLE GIANT, W/CABIN TRI-HULL, CAP 2,000 LBS, OUTBOARD	150 HP	G	\$44,349	23.55	1.79	2.36	0.61	14.72	18
	M10SM003	21'	MARINE EQUIPMENT, BOATS & LAUNCHES, 21' LITTLE GIANT, W/CABIN TRI-HULL, CAP 2,800 LBS, OUTBOARD	200 HP	G	\$49,566	30.39	2.00	2.63	0.68	19.63	24
	M10SM004	23'	MARINE EQUIPMENT, BOATS & LAUNCHES, 23' LITTLE GIANT, W/CABIN TRI-HULL, CAP 3,400 LBS, STERN DRIVE	250 HP	G	\$54,200	37.17	2.18	2.88	0.74	24.54	28
			NO SPECIFIC MANUFACTURER									
	M10XX010	12	MARINE EQUIPMENT, BOATS & LAUNCHES, 12' TENDER, 7' BEAM, INBOARD ENGINE, 75 HP	75 HP	D-off	\$40,197	8.68	1.62	2.14	0.55	3.32	1
	M10XX009	13	MARINE EQUIPMENT, BOATS & LAUNCHES, 13' RUNABOUT, 5' BEAM, OUTBOARD ENGINE, 50 HP	50 HP	G	\$11,951	7.54	0.48	0.63	0.16	4.91	13
	M10XX011	14	MARINE EQUIPMENT, BOATS & LAUNCHES, 14' TENDER, 7' BEAM, INBOARD ENGINE, 100 HP	100 HP	D-off	\$46,113	10.77	1.86	2.45	0.63	4.42	13
	M10XX012	100	MARINE EQUIPMENT, BOATS & LAUNCHES, 16 FT, SHALLOW DRAFT, 100 HP, INLAND TUG	100 HP	D-off	\$47,534	10.92	1.92	2.53	0.65	4.42	13
	M10XX013	115	MARINE EQUIPMENT, BOATS & LAUNCHES, 22 FT, SHALLOW DRAFT, 115 HP, INLAND TUG	115 HP	D-off	\$61,573	13.29	2.48	3.27	0.84	5.09	23

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	FUEL TYPE			2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	
				MAIN	CARRIER							
<i>M10</i>	<i>NO SPECIFIC MANUFACTURER (continued)</i>											
	M10XX014	175	MARINE EQUIPMENT, BOATS & LAUNCHES, 18 FT, W/STEERING NOZZLE, 175 HP, INLAND TUG	175 HP	D-off	\$84,524	19.26	3.41	4.49	1.16	7.74	60
	M10XX015	250	MARINE EQUIPMENT, BOATS & LAUNCHES, 26 FT, W/STEERING NOZZLE, 250 HP, INLAND TUG	250 HP	D-off	\$105,957	25.95	4.27	5.63	1.45	11.06	83
	SUBCATEGORY 0.53 BOATS & LAUNCHES, 251 THRU 500 HP											
	NO SPECIFIC MANUFACTURER											
	M10XX021	380	MARINE EQUIPMENT, BOATS & LAUNCHES, 40 FT, STANDARD RUDDER, 380 HP, INLAND TUG	380 HP	D-off	\$281,785	50.64	10.49	13.31	3.83	16.80	100
	M10XX022	435	MARINE EQUIPMENT, BOATS & LAUNCHES, 45 FT LENGTH, 16 FT BEAM, 5'0" DRAFT, 435 HP, PUSH BOAT	435 HP	D-off	\$320,749	57.80	11.94	15.15	4.36	19.24	100
	M10XX023	400	MARINE EQUIPMENT, BOATS & LAUNCHES, 48 FT LENGTH, 20 FT BEAM, 6'6" DRAFT, 435 HP, PUSH BOAT	400 HP	D-off	\$429,850	66.65	15.99	20.30	5.84	17.69	100
	M10XX024	435	MARINE EQUIPMENT, BOATS & LAUNCHES, 58 FT LENGTH, 21 FT BEAM, 6'0" DRAFT, 435 HP, PUSH BOAT	435 HP	D-off	\$612,974	87.05	22.80	28.95	8.32	19.24	130
	SUBCATEGORY 0.54 TUGS, 501 THRU 1,000 HP											
	NO SPECIFIC MANUFACTURER											
	M10XX026	700	MARINE EQUIPMENT, TUGS, 51 FT, TWIN SCREW, 700 HP, INLAND TUG	700 HP	D-off	\$396,858	60.35	9.43	8.43	5.21	29.08	190
	M10XX027	525	MARINE EQUIPMENT, TUGS, 54 FT LENGTH, 21 FT BEAM, 6'0" DRAFT, 525 HP, PUSH BOAT	525 HP	D-off	\$452,522	53.68	10.75	9.62	5.94	21.81	160
	M10XX028	55	MARINE EQUIPMENT, TUGS, 55 FT LENGTH, 20 FT BEAM, 5'0" DRAFT, 80 T, 870 HP, TOW BOAT	870 HP	D-off	\$473,093	73.91	11.24	10.05	6.21	36.14	200
	M10XX029	705	MARINE EQUIPMENT, TUGS, 58 FT LENGTH, 24 FT BEAM, 7'6" DRAFT, 705 HP, PUSH BOAT	705 HP	D-off	\$623,000	72.91	14.80	13.24	8.18	29.29	190
	M10XX030	62	MARINE EQUIPMENT, TUGS, 62 FT LENGTH, 22 FT BEAM, 5'0" DRAFT, 80 T, 870 HP, TOW BOAT	870 HP	D-off	\$658,408	83.98	15.65	13.99	8.65	36.14	200

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
M10	NO SPECIFIC MANUFACTURER (continued)											
	M10XX031	870	MARINE EQUIPMENT, TUGS, 64 FT LENGTH, 25 FT BEAM, 8'0" DRAFT, 870 HP, PUSH BOAT	870 HP	D-off	\$680,709	85.19	16.18	14.47	8.94	36.14	200
	M10XX032	65	MARINE EQUIPMENT, TUGS, 65 FT LENGTH, 22 FT BEAM, 7'6" DRAFT, 80 T, 870 HP, TOW BOAT	870 HP	D-off	\$847,918	94.27	20.15	18.02	11.14	36.14	1
	SUBCATEGORY 0.55 TUGS, 1,000 THRU 2,000 HP											
	NO SPECIFIC MANUFACTURER											
	M10XX033	60 21	MARINE EQUIPMENT, TUGS, 60 FT LENGTH, 21 FT BEAM, 5'0" DRAFT, 80 T, 1050 HP, TOW BOAT	1,050 HP	D-off	\$563,941	83.36	11.72	8.72	7.36	43.62	1
	M10XX034	70 30	MARINE EQUIPMENT, TUGS, 70 FT LENGTH, 30 FT BEAM, 7'6" DRAFT, 80 T, 1350 HP, TOW BOAT	1,350 HP	D-off	\$1,036,517	121.07	21.53	16.02	13.52	56.08	1
	M10XX035	1950	MARINE EQUIPMENT, TUGS, 100 FT LENGTH, 35 FT BEAM, 8'0" DRAFT, 1950 HP, PUSH BOAT	1,950 HP	D-off	\$1,316,475	166.81	27.35	20.35	17.17	81.00	1
	M10XX036	120	MARINE EQUIPMENT, TUGS, 120 FT LENGTH, 34 FT BEAM, 8'0" DRAFT, 80 T, 2000 HP, TOW BOAT	2,000 HP	D-off	\$2,771,647	234.49	57.57	42.83	36.15	83.08	1
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	\$98,940	33.67	7.03	10.72	1.67	7.74	130
	P10IC002	416L	PILE HAMMER ACCESSORIES, PILE EXTRACTOR, 40 TON LINE PULL (ADD LEADS & CRANE)	300 HP	D-off	\$155,752	54.39	11.06	16.87	2.62	13.27	207
	P10IC003	612	PILE HAMMER ACCESSORIES, PILE EXTRACTOR, 40 TON LINE PULL (ADD LEADS & CRANE)	300 HP	D-off	\$195,659	63.98	13.90	21.20	3.30	13.27	235

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	FUEL TYPE			2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	
				MAIN	CARRIER							
<i>P10</i>	<i>INTERNATIONAL CONSTRUCTION EQUIPMENT,INC (continued)</i>											
	P10IC004	815	PILE HAMMER ACCESSORIES, PILE EXTRACTOR, 50 TON LINE PULL (ADD LEADS & CRANE)	503 HP	D-off	\$250,225	88.55	17.77	27.11	4.21	22.24	316
	P10IC005	1412B	PILE HAMMER ACCESSORIES, PILE EXTRACTOR,150 TON LINE PULL (ADD LEADS & CRANE)	800 HP	D-off	\$399,666	141.26	28.38	43.30	6.73	35.38	525
	P10IC010		PILE HAMMER ACCESSORIES, PILE LEADS, SWING, 26" X 86'			\$20,881	5.01	1.48	2.26	0.35	0.00	101
	P10IC012		PILE HAMMER ACCESSORIES, PILE LEADS, SWING, 32" X 88'			\$25,316	6.08	1.80	2.74	0.43	0.00	155
	P10IC011		PILE HAMMER ACCESSORIES, PILE LEADS, FIXED, 26" X 86', W/SPOTTER	13 HP	D-off	\$40,152	10.37	2.86	4.35	0.68	0.57	134
	P10IC013		PILE HAMMER ACCESSORIES, PILE LEADS, FIXED, 32" X 88', W/SPOTTER	13 HP	G	\$43,715	12.14	3.11	4.74	0.74	1.28	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)			\$41,137	13.55	3.23	5.14	0.66	0.00	52
	P20IC002	440	PILE HAMMER, DOUBLE ACTING, DIESEL, 18,100 FT-LBS, MAX STROKE 4'8" (ADD LEADS & CRANE)			\$94,665	30.21	7.44	11.83	1.52	0.00	122
	P20IC003	520	PILE HAMMER, DOUBLE ACTING, DIESEL, 30,000 FT-LBS, MAX STROKE 5'11" (ADD LEADS & CRANE)			\$90,921	29.70	7.15	11.37	1.46	0.00	159
	P20IC004	640	PILE HAMMER, DOUBLE ACTING, DIESEL, 40,000 FT-LBS, MAX STROKE 6'8" (ADD LEADS & CRANE)			\$96,723	32.07	7.60	12.09	1.55	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)			\$48,956	15.89	3.84	6.12	0.78	0.00	60

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.20 PNEUMATIC (STEAM/AIR)											
	MKT MANUFACTURING, INC.											
	P20MK002	5	PILE HAMMER, DOUBLE ACTING, PNEUMATIC (STEAM/AIR), 1,000 FT-LBS, MAX STROKE 7" (ADD 250 CFM COMPRESSOR, LEADS & CRANE)	250 CFM	A	\$21,200	7.01	1.75	2.83	0.33	0.00	17
	P20MK003	6	PILE HAMMER, DOUBLE ACTING, PNEUMATIC (STEAM/AIR), 2,500 FT-LBS, MAX STROKE 8.75" (ADD 400 CFM COMPRESSOR, LEADS & CRANE)	400 CFM	A	\$24,730	8.60	2.04	3.30	0.39	0.00	31
	P20MK004	7	PILE HAMMER, DOUBLE ACTING, PNEUMATIC (STEAM/AIR), 4,150 FT-LBS, MAX STROKE 9.5" (ADD 450 CFM COMPRESSOR, LEADS & CRANE)	450 CFM	A	\$31,236	10.84	2.57	4.16	0.49	0.00	50
	P20MK005	9B3	PILE HAMMER, DOUBLE ACTING, PNEUMATIC (STEAM/AIR), 8,750 FT-LBS, MAX STROKE 17" (ADD 600 CFM COMPRESSOR, LEADS & CRANE)	600 CFM	A	\$49,054	16.31	4.04	6.54	0.77	0.00	74
	P20MK006	10B3	PILE HAMMER, DOUBLE ACTING, PNEUMATIC (STEAM/AIR), 13,100 FT-LBS, MAX STROKE 19" (ADD 750 CFM COMPRESSOR, LEADS & CRANE)	750 CFM	A	\$57,276	20.08	4.71	7.64	0.89	0.00	114
	P20MK007	11B3	PILE HAMMER, DOUBLE ACTING, PNEUMATIC (STEAM/AIR), 19,150 FT-LBS, MAX STROKE 19" (ADD 900 CFM COMPRESSOR, LEADS & CRANE)	900 CFM	A	\$61,289	21.31	5.05	8.17	0.96	0.00	141
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)			\$46,678	14.61	3.84	6.22	0.73	0.00	40
	P25DL003	D12-42	PILE HAMMER, SINGLE ACTING, DIESEL, 31,320 FT-LBS (ADD LEADS & CRANE)			\$55,840	17.54	4.60	7.45	0.87	0.00	63
	P25DL004	D19-42	PILE HAMMER, SINGLE ACTING, DIESEL, 42,800 FT-LBS (ADD LEADS & CRANE)			\$63,722	20.44	5.24	8.50	0.99	0.00	88

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>P25</i>	<i>PILECO, INC. (continued)</i>											
	P25DL005	D25-32	PILE HAMMER, SINGLE ACTING, DIESEL, 58,248 FT-LBS (ADD LEADS & CRANE)			\$87,637	28.29	7.21	11.68	1.37	0.00	130
	P25DL006	D30-32	PILE HAMMER, SINGLE ACTING, DIESEL, 69,898 FT-LBS (ADD LEADS & CRANE)			\$90,734	29.86	7.47	12.10	1.42	0.00	141
	P25DL008	D46-32	PILE HAMMER, SINGLE ACTING, DIESEL, 107,177 FT-LBS (ADD LEADS & CRANE)			\$111,415	37.91	9.17	14.86	1.74	0.00	207
	P25DL009	D62-22	PILE HAMMER, SINGLE ACTING, DIESEL, 165,000 FT-LBS (ADD LEADS & CRANE)			\$168,183	55.80	13.83	22.42	2.62	0.00	283
	P25DL010	D80-23	PILE HAMMER, SINGLE ACTING, DIESEL, 225,000 FT-LBS (ADD LEADS & CRANE)			\$245,819	80.18	20.22	32.78	3.83	0.00	382
	P25DL011	D100-13	PILE HAMMER, SINGLE ACTING, DIESEL, 300,000 FT-LBS (ADD LEADS & CRANE)			\$262,768	86.79	21.62	35.04	4.10	0.00	459
	INTERNATIONAL CONSTRUCTION EQUIPMENT, INC											
	P25IC001	30S	PILE HAMMER, SINGLE ACTING, DIESEL, 22,500 FT-LBS (ADD LEADS & CRANE)			\$63,831	20.88	5.26	8.51	1.00	0.00	73
	P25IC002	42S	PILE HAMMER, SINGLE ACTING, DIESEL, 42,000 FT-LBS (ADD LEADS & CRANE)			\$77,350	26.08	6.37	10.31	1.21	0.00	91
	P25IC003	60S	PILE HAMMER, SINGLE ACTING, DIESEL, 60,000 FT-LBS (ADD LEADS & CRANE)			\$122,847	40.35	10.11	16.38	1.92	0.00	161
	P25IC004	80S	PILE HAMMER, SINGLE ACTING, DIESEL, 80,000 FT-LBS (ADD LEADS & CRANE)			\$143,663	47.34	11.82	19.16	2.24	0.00	175
	P25IC005	100S	PILE HAMMER, SINGLE ACTING, DIESEL, 100,000 FT-LBS (ADD LEADS & CRANE)			\$186,831	60.91	15.37	24.91	2.91	0.00	220
	P25IC006	120S	PILE HAMMER, SINGLE ACTING, DIESEL, 120,000 FT-LBS (ADD LEADS & CRANE)			\$223,216	72.51	18.36	29.76	3.48	0.00	274
	MKT MANUFACTURING, INC.											
	P25MK002	DA-35C	PILE HAMMER, SINGLE ACTING, DIESEL, 23,800 FT-LBS (ADD LEADS & CRANE)			\$64,275	21.30	5.29	8.57	1.00	0.00	113
	P25MK001	DE-33/30/20C	PILE HAMMER, SINGLE ACTING, DIESEL, 33,000 FT-LBS (ADD LEADS & CRANE)			\$61,230	20.42	5.04	8.16	0.96	0.00	78
	P25MK003	DE-70/50C	PILE HAMMER, SINGLE ACTING, DIESEL, 70,000 FT-LBS (ADD LEADS & CRANE)			\$95,481	32.09	7.86	12.73	1.49	0.00	150

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	SUBCATEGORY 0.20 PNUEMATIC (STEAM/AIR)											
	VULCAN FOUNDATION EQUIPMENT, INC											
	P25VU002	306	PILE HAMMER, SINGLE ACTING, PNUEMATIC (STEAM/AIR), 18,000 FT-LBS (ADD 750CFM COMPRESSOR, LEADS & CRANE	750 CFM	A	\$67,986	22.93	5.85	9.63	1.03	0.00	121
	P25VU003	505	PILE HAMMER, SINGLE ACTING, PNUEMATIC (STEAM/AIR), 25,000 FT-LBS (ADD 600CFM COMPRESSOR,LEADS & CRANE	600 CFM	A	\$67,417	22.76	5.80	9.55	1.02	0.00	127
	P25VU004	506	PILE HAMMER, SINGLE ACTING, PNUEMATIC (STEAM/AIR), 32,500 FT-LBS (ADD 900CFM COMPRESSOR,LEADS & CRANE	900 CFM	A	\$68,859	23.20	5.93	9.76	1.05	0.00	140
	P25VU005	508	PILE HAMMER, SINGLE ACTING, PNUEMATIC (STEAM/AIR), 40,000 FT-LBS (ADD 900CFM COMPRESSOR,LEADS & CRANE	900 CFM	A	\$92,507	30.30	7.96	13.11	1.40	0.00	202
	P25VU010	510	PILE HAMMER, SINGLE ACTING, PNUEMATIC (STEAM/AIR), 50,000 FT-LBS (ADD 1050CFM COMPRESSOR,LEADS & CRANE	1,050 CFM	A	\$95,017	29.50	8.17	13.46	1.44	0.00	222
	P25VU011	512	PILE HAMMER, SINGLE ACTING, PNUEMATIC (STEAM/AIR), 60,000 FT-LBS (ADD 1200CFM COMPRESSOR,LEADS & CRANE	1,200 CFM	A	\$96,209	30.08	8.28	13.63	1.46	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	\$88,583	36.40	7.29	11.81	1.38	8.18	118
	P30MK003	V-20B	PILE HAMMER, DRIVER/EXTRACTOR, VIBRATORY, 107 TON FORCE DRIVE (ADD LEADS & CRANE)	325 HP	D-off	\$154,439	63.61	12.71	20.59	2.41	14.37	211
	P30MK004	V-35	PILE HAMMER, DRIVER/EXTRACTOR, VIBRATORY, 180 TON FORCE DRIVE (ADD LEADS & CRANE)	600 HP	D-off	\$261,788	110.60	21.54	34.91	4.08	26.53	345

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT		
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL			
VULCAN FOUNDATION EQUIPMENT, INC														
	P30VU001	400A	PILE HAMMER, DRIVER/EXTRACTOR, VIBRATORY, 17 TON	58 HP	D-off	\$56,478	19.80	4.65	7.53	0.88	2.56	50		
	P30VU002	1150A	PILE HAMMER, DRIVER/EXTRACTOR, VIBRATORY, 42 TON	155 HP	D-off	\$121,207	44.24	9.97	16.16	1.89	6.85	138		
	P30VU003	2300A	PILE HAMMER, DRIVER/EXTRACTOR, VIBRATORY, 84 TON	360 HP	D-off	\$181,081	73.38	14.89	24.14	2.82	15.92	166		
	P30VU004	4600A	PILE HAMMER, DRIVER/EXTRACTOR, VIBRATORY, 167 TON	560 HP	D-off	\$258,034	107.23	21.23	34.40	4.03	24.76	246		
P35 PIPELAYERS														
SUBCATEGORY 0.00 PIPELAYERS														
CATERPILLAR INC. (MACHINE DIVISION)														
	P35CA001	561M	PIPELAYER, 15' BOOM, 40,000# CAPACITY	110 HP	D-off	\$194,040	28.72	8.33	11.09	2.78	2.65	358		
	P35CA007	572-H	PIPELAYER, 18' BOOM, 40,000# CAPACITY	110 HP	D-off	\$196,304	29.01	8.42	11.22	2.81	2.65	358		
	P35CA008	572-R	PIPELAYER, 20' BOOM, 90,000# CAPACITY	230 HP	D-off	\$362,116	54.40	15.53	20.69	5.18	5.55	663		
	P35CA009	583-R	PIPELAYER, 20' BOOM, 140,000# CAPACITY	305 HP	D-off	\$467,008	70.44	20.03	26.69	6.68	7.36	984		
	P35CA006	589	PIPELAYER, 28' BOOM, 230,000# CAPACITY	420 HP	D-off	\$613,225	93.12	26.30	35.04	8.78	10.13	1,450		
P40 PLATFORMS & MAN-LIFTS														
SUBCATEGORY 0.00 PLATFORMS & MAN-LIFTS														
BIL-JAX, INC.														
	P40BX001	SKYRIDER 15	MAN-LIFT, 14'10" HEIGHT, 500 LBS, 24 VOLT DC, RECHARGABLE BATTERIES			\$10,773	2.37	0.76	1.21	0.15	0.00	18		
GROVE MANLIFT														
	P40GW020	A33NEJ	MAN-LIFT, ARTICULATED BOOM, 39' HEIGHT, 500 LBS, 21' REACH, 4X2, SELF PROPELLED, 2.5'X4' PLATFORM	4 HP	E	7 HP	E	\$50,789	12.72	3.30	5.16	0.72	0.36	145

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT		
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	FUEL TYPE			2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM		FUEL	
				MAIN	CARRIER									
<i>P40</i>	<i>GROVE MANLIFT (continued)</i>													
	P40GW021	A45EJ	MAN-LIFT, ARTICULATED BOOM, 51' HEIGHT, 500 LBS, 25' REACH, 4X2, SELF PROPELLED, 2.5'X4' PLATFORM	5 HP	E	7 HP	E	\$54,597	13.58	3.57	5.59	0.77	0.39	143
	P40GW016	A62J	MAN-LIFT, ARTICULATED BOOM, 68' HEIGHT, 500 LBS, 64' REACH, 4X4, SELF PROPELLED, 3'X8' PLATFORM	60 HP	D-off			\$113,018	27.09	7.92	12.63	1.60	2.09	268
	P40GW017	A80J	MAN-LIFT, ARTICULATED BOOM, 86' HEIGHT, 500 LBS, 64' REACH, 4X4, SELF PROPELLED, 3'X8' PLATFORM	110 HP	D-off			\$180,437	44.61	12.50	19.90	2.55	3.83	428
	P40GW018	A100J	MAN-LIFT, ARTICULATED BOOM, 106' HEIGHT, 500 LBS, 54' REACH, 4X4, SELF PROPELLED, 3'X8' PLATFORM	110 HP	D-off			\$217,355	53.22	15.02	23.90	3.07	3.83	458
	P40GW019	A125J	MAN-LIFT, ARTICULATED BOOM, 131' HEIGHT, 600 LBS, 69' REACH, 4X4, SELF PROPELLED, 3'X8' PLATFORM	110 HP	D-off			\$269,366	64.47	18.69	29.75	3.81	3.83	479
	P40GW022	T40	MAN-LIFT, STRAIGHT BOOM, 40' HEIGHT, 500 LBS, 34' REACH, 4X4, SELF PROPELLED, 3'X8' PLATFORM	60 HP	D-off			\$81,227	20.20	5.69	9.07	1.15	2.09	137
	P40GW023	T66J	MAN-LIFT, STRAIGHT BOOM, 66' HEIGHT, 500 LBS, 55' REACH, 4X4, SELF PROPELLED, 3'X8' PLATFORM	60 HP	D-off			\$117,479	28.18	8.14	12.95	1.66	2.09	267
	P40GW024	T80	MAN-LIFT, STRAIGHT BOOM, 86' HEIGHT, 600 LBS, 70' REACH, 4X4, SELF PROPELLED, 3'X8' PLATFORM	85 HP	D-off			\$153,793	36.98	10.79	17.24	2.17	2.96	340
	P40GW025	T86J	MAN-LIFT, STRAIGHT BOOM, 92' HEIGHT, 500 LBS, 76' REACH, 4X4, SELF PROPELLED, 3'X8' PLATFORM	85 HP	D-off			\$161,286	38.60	11.32	18.08	2.28	2.96	371
	P40GW026	T110	MAN-LIFT, STRAIGHT BOOM, 116' HEIGHT, 500 LBS, 74' REACH, 4X4, SELF PROPELLED, 3'X8' PLATFORM	110 HP	D-off			\$222,372	53.02	15.52	24.75	3.14	3.83	397
	TEREX CORPORATION													
	P40TE001	TS25RT	MAN-LIFT, SCISSOR, 25' HIGH, 1,500 LBS, 4X4, SELF PROPELLED, 64 X 124" PLATFORM	24 HP	G			\$32,042	9.30	2.21	3.52	0.45	1.81	58
	P40TE002	TS30RT	MAN-LIFT, SCISSOR, 30' HIGH, 2,000 LBS, 4X4, SELF PROPELLED, 76 X 160" PLATFORM	39 HP	G			\$40,371	12.55	2.80	4.45	0.57	2.94	89
	P40TE003	TA50RT	MAN-LIFT, ARTICULATED BOOM, 55' HEIGHT, 500 LBS, 29' REACH, 4X4, SELF PROPELLED, 2.2'X5' PLATFORM	32 HP	D-off			\$70,663	16.80	4.88	7.76	1.00	1.11	143

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV) 2000 (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER		AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	<i>P40</i>	<i>TEREX CORPORATION (continued)</i>										
	P40TE004	TA60RT	MAN-LIFT, ARTICULATED BOOM, 66' HEIGHT, 500 LBS, 33' REACH, 4X4, SELF PROPELLED, 3'X6' PLATFORM	44 HP	D-off	\$83,354	20.19	5.69	9.01	1.18	1.53	241
	P40TE005	TB42	MAN-LIFT, STRAIGHT BOOM, 43' HEIGHT, 650 LBS, 37' REACH, 4X4, SELF PROPELLED, 3'X8' PLATFORM	66 HP	D-off	\$54,355	14.76	3.73	5.92	0.77	2.30	131
	P40TE006	TB60	MAN-LIFT, STRAIGHT BOOM, 66' HEIGHT, 650 LBS, 51' REACH, 4X4, SELF PROPELLED, 3'X6' PLATFORM	66 HP	D-off	\$86,164	21.74	5.91	9.38	1.22	2.30	230
	P40TE007	TB85	MAN-LIFT, STRAIGHT BOOM, 86' HEIGHT, 600 LBS, 70' REACH, 4X4, SELF PROPELLED, 3'X8' PLATFORM	66 HP	D-off	\$139,187	33.19	9.64	15.34	1.97	2.30	370
	P40TE008	TB100	MAN-LIFT, STRAIGHT BOOM, 92' HEIGHT, 500 LBS, 67' REACH, 4X4, SELF PROPELLED, 3'X8' PLATFORM	76 HP	D-off	\$159,598	38.04	11.08	17.64	2.26	2.65	393
	P40TE009	TB110	MAN-LIFT, STRAIGHT BOOM, 116'HT, 500 LBS, 74' REACH, 4X4, SELF PROPELLED, 3'X8' PLATFORM	76 HP	D-off	\$174,324	41.22	12.11	19.30	2.46	2.65	420
	P40TE010	T-292	MAN-LIFT, LINE-TRUCK, W/AERIAL 24"X30" PLATFORM, 300 LBS, 34' HEIGHT, 23' RAD	210 HP	D-off	\$61,038	22.37	4.23	6.74	0.86	7.32	115
	P40TE011	T-38P	MAN-LIFT, LINE-TRUCK, W/AERIAL 24"X30" PLATFORM, 300 LBS, 43' HEIGHT, 26' RAD	210 HP	D-off	\$67,240	23.77	4.63	7.35	0.95	7.32	128
	P40TE012	Digger DerrickC-4045	MAN-LIFT, LINE-TRUCK, W/ 13.7 TON, 45' HIGH-BOOM TILT POLE CLAWS, & 18" DIA AUGER	210 HP	D-off	\$100,319	30.92	6.96	11.07	1.42	7.32	268
	P40TE013	5FC-52	MAN-LIFT, LINE-TRUCK, W/AERIAL 24"X48" PLATFORM, 700 LBS, 57' HEIGHT, 35' RAD	210 HP	D-off	\$91,927	29.11	6.37	10.13	1.30	7.32	215
	P40TE014	5FC-55	MAN-LIFT, LINE-TRUCK, W/ AERIAL 24" X 30" PLATFORM, 500 LBS, 60' HEIGHT, 38' RAD	210 HP	D-off	\$93,612	29.46	6.48	10.31	1.32	7.32	248
	P40TE015	6H-65	MAN-LIFT, LINE-TRUCK, W/ AERIAL 24"X48" PLATFORM, 750 LBS, 70' HEIGHT, 39' RAD	210 HP	D-off	\$106,378	32.23	7.38	11.75	1.50	7.32	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)			\$800	0.19	0.06	0.09	0.01	0.00	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	FUEL TYPE			2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	
				MAIN	CARRIER							
<i>P45</i>	<i>AIRPLACO EQUIPMENT CO., INC. (continued)</i>											
	P45AF003	HG-8	PUMP, GROUT, HAND PUMP, 15 CF/HR, 100 PSI, W/ 5 GAL HOPPER (ADD HOSES)			\$1,252	0.28	0.09	0.13	0.02	0.00	1
	P45AF008	HGA-50/GM-30	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	\$6,773	1.65	0.46	0.72	0.10	0.00	5
	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	\$11,567	4.65	0.77	1.20	0.17	1.58	7
	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	\$22,107	5.15	1.50	2.35	0.32	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	\$13,153	5.01	0.88	1.37	0.19	1.58	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	\$23,466	8.67	1.58	2.47	0.34	2.58	20
	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	\$46,049	16.95	3.11	4.87	0.67	5.02	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	\$24,376	8.02	1.64	2.56	0.36	1.97	25
	ALLENTOWN EQUIPMENT											
	P45AL015	POWER CRETER PRO	PUMP, GROUT, GROUT-MUD JACK-SHOTCRE, HIGH PRESSURE DUAL CYLINDER GROUT PUMP, 135 CF/HR, 0 - 1330 PSIE, TRAILER MTD, W/ 75 GAL HOPPER/ 82 GAL MIXER/ 3" HOSE	23 HP	G	\$40,813	13.55	2.75	4.31	0.59	3.30	32

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
CHEMGROUT, INC.												
	P45CG001	CG-050	PUMP, GROUT, MINI, AIR, 5 GPM, 100 PSI, PORTABLE (ADD 15 CFM COMPRESSOR)	15 CFM	A	\$3,448	0.84	0.24	0.37	0.05	0.00	1
	P45CG002	CG-550P	PUMP, GROUT, MIXER, AIR, 5 GPM, 100 PSI (ADD 85 CFM COMPRESSOR)	85 CFM	A	\$5,823	1.43	0.39	0.62	0.08	0.00	3
	P45CG003	CG-500	PUMP, GROUT, MIXER, AIR, 20 GPM, 100 PSI (ADD 230 CFM COMPRESSOR)	230 CFM	A	\$14,641	3.50	0.99	1.56	0.21	0.00	12
	P45CG007	CG-570H	PUMP, GROUT, THICK MIX/SPRAY, 8 GPM, SKID MTD, W/ AIR COMPRESSOR	16 HP	G	\$16,465	6.71	1.12	1.75	0.24	2.30	13
	P45CG006	CG-575	PUMP, GROUT, THICK MIX/SPRAY, 8 GPM, TRAILER MTD, W/ AIR COMPRESSOR	16 HP	G	\$16,744	6.76	1.12	1.75	0.24	2.30	15
OLIN ENGINEERING, INC.												
	P45OE001	5 25F	GROUT PUMP, 30 CY/HR,TRAILER MTD	42 HP	D-off	\$21,249	8.29	1.41	2.20	0.31	2.76	39
	P45OE002	5 40	GROUT PUMP, 42 CY/HR,TRAILER MTD	55 HP	D-off	\$29,305	11.20	1.96	3.06	0.43	3.61	42
	P45OE003	5 65	GROUT PUMP, 68 CY/HR,TRAILER MTD	84 HP	D-off	\$38,220	15.61	2.56	4.00	0.56	5.52	48
	P45OE004	5 80	GROUT PUMP, 82 CY/HR,TRAILER MTD	120 HP	D-off	\$47,440	20.65	3.18	4.98	0.69	7.88	56
	P45OE005	5 140CA	GROUT PUMP, 140 CY/HR,TRAILER MTD TANDEM	181 HP	D-off	\$60,517	28.63	4.04	6.32	0.88	11.88	100
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)	10 HP	G	\$1,482	2.05	0.10	0.15	0.02	1.36	1
	P50WC002	PT 3A	PUMP, WATER, CENTRIFUGAL, TRASH, ENGINE DRIVE, 3" DIA, 425 GPM @ 95' HEAD (ADD HOSES)	15 HP	D-off	\$1,730	1.60	0.12	0.17	0.03	0.92	2
	P50WC003	PTS 4V	PUMP, WATER, CENTRIFUGAL, TRASH, ENGINE DRIVE, 4" DIA, 705 GPM @ 106' HEAD (ADD HOSES)	16 HP	D-off	\$3,754	2.12	0.25	0.38	0.06	0.99	3
	P50WC004	PT 6LT	PUMP, WATER, CENTRIFUGAL, TRASH, ENGINE DRIVE, 6" DIA, 1300 GPM @ 100' HEAD ,TRAILER MTD (ADD HOSES)	33 HP	D-off	\$16,774	6.26	1.08	1.66	0.25	2.03	25

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
NO SPECIFIC MANUFACTURER												
	P50XX001	6" DIESEL	PUMP, WATER, CENTRIFUGAL, TRASH, ENGINE DRIVE, 6.0", 1,165 GPM, AIR COOLED (ADD HOSES)	60 HP	D-off	\$20,340	9.25	1.33	2.03	0.31	3.70	22
	P50XX002	8" DIESEL	PUMP, WATER, CENTRIFUGAL, TRASH, ENGINE DRIVE, 8.0", 2,085 GPM, WATER COOLED (ADD HOSES)	70 HP	D-off	\$37,604	13.72	2.45	3.76	0.57	4.31	35
	P50XX003	10" DIESEL	PUMP, WATER, CENTRIFUGAL, TRASH, ENGINE DRIVE, 10.0", 2,665 GPM, WATER COOLED (ADD HOSES)	85 HP	D-off	\$40,295	15.53	2.63	4.03	0.61	5.24	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)			\$353	0.20	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)			\$530	0.30	0.07	0.12	0.01	0.00	1
	P50GR003		PUMP, WATER, CENTRIFUGAL, TRASH, HOSE, SUCTION/DISCH, 4" DIA X 20' WITH COUPLING (PER SECTION)			\$740	0.42	0.10	0.17	0.01	0.00	1
	P50GR004		PUMP, WATER, CENTRIFUGAL, TRASH, HOSE, SUCTION/DISCH, 6" DIA X 20' WITH COUPLING (PER SECTION)			\$1,513	0.85	0.19	0.34	0.02	0.00	1
P55 PUMPS, WATER, SUBMERSIBLE												
SUBCATEGORY 0.01 ENGINE DRIVE												
GRIFFIN DEWATERING CORP.												
	P55GF001	4MH	PUMP, WATER, SUBMERSIBLE, ENGINE DRIVE, 4" DIA, 855 GPM @ 20' HEAD, SKID, INCLUDES POWER UNIT (INCLUDES POWER UNIT MODEL 250)(ADD HOSES)	22 HP	D-off	\$16,776	5.55	1.09	1.68	0.25	1.36	11

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
P55	<i>GRIFFIN DEWATERING CORP. (continued)</i>											
	P55GF002	6M	PUMP, WATER, SUBMERSIBLE, ENGINE DRIVE, 6" DIA, 1,500 GPM @ 20' HEAD, JET SKID MTD (INCLUDES POWER UNIT MODEL 400)(ADD HOSES)	22 HP	D-off	\$21,275	6.55	1.39	2.13	0.32	1.36	12
	SUBCATEGORY 0.02 ELECTRIC DRIVE											
	GORMAN-RUPP COMPANY											
	P55GR001	S2A1	PUMP, WATER, SUBMERSIBLE, ELECTRIC, 2" DIA, 138 GPM @ 20' HEAD (ADD HOSES)	2 HP	E	\$2,848	0.69	0.19	0.30	0.04	0.12	2
	P55GR002	S3A1	PUMP, WATER, SUBMERSIBLE, ELECTRIC, 3" DIA, 278 GPM @ 20' HEAD (ADD HOSES)	5 HP	E	\$3,826	1.12	0.27	0.41	0.06	0.29	3
	P55GR003	S4A1	PUMP, WATER, SUBMERSIBLE, ELECTRIC, 4" DIA, 860 GPM @ 40' HEAD (ADD HOSES)	25 HP	E	\$13,229	4.49	0.90	1.41	0.19	1.46	12
	P55GR004	S6A1	PUMP, WATER, SUBMERSIBLE, ELECTRIC, 6" DIA, 1950 GPM @ 40' HEAD (ADD HOSES)	60 HP	E	\$17,962	8.23	1.22	1.91	0.26	3.51	14
	WACKER CORPORATION											
	P55WC001	STP 400	PUMP, WATER, SUBMERSIBLE, ELECTRIC, 2" DIA, 66 GPM @ 39' HEAD (ADD HOSES)	1 HP	E	\$498	0.17	0.04	0.05	0.01	0.06	1
P55WC002	STP 750	PUMP, WATER, SUBMERSIBLE, ELECTRIC, 2" DIA, 100 GPM @ 52' HEAD (ADD HOSES)	1 HP	E	\$890	0.24	0.06	0.09	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)	4 HP	G	\$836	0.79	0.05	0.08	0.01	0.48	1	
P60HO003	120S3	PUMP, WATER, CENTRIFUGAL, DEWATERING, SKID MOUNTED, ENGINE DRIVE, 3" DIA, 17,600 GPH AT 20' HEAD (ADD HOSES)	8 HP	G	\$1,369	1.69	0.09	0.14	0.02	1.09	1	

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
WACKER CORPORATION												
	P60WC001	PG 2	PUMP, WATER, CENTRIFUGAL, DEWATERING, SKID MOUNTED, ENGINE DRIVE, 2" DIA, 159 GPM AT 98' HEAD (ADD HOSES)	4 HP	G	\$584	0.82	0.04	0.06	0.01	0.54	1
	P60WC002	PG 3	PUMP, WATER, CENTRIFUGAL, DEWATERING, SKID MOUNTED, ENGINE DRIVE, 3" DIA, 264 GPM AT 98' HEAD (ADD HOSES)	6 HP	G	\$704	1.20	0.05	0.07	0.01	0.82	1
SUBCATEGORY 0.21 WHEEL MOUNTED, ENGINE DRIVE												
GRIFFIN DEWATERING CORP.												
	P60GF003	250/4"M	PUMP, WATER, CENTRIFUGAL, DEWATERING, WHEEL, 4" DIA, 485 GPM @ 60' HEAD (ADD HOSES)	32 HP	D-off	\$17,542	6.34	1.13	1.73	0.26	1.97	19
	P60GF008	250/6"T	PUMP, WATER, CENTRIFUGAL, DEWATERING, WHEEL, 6" DIA, 1040 GPM @ 60' HEAD (ADD HOSES)	32 HP	D-off	\$17,816	6.41	1.15	1.76	0.27	1.97	19
	P60GF004	400/8"T	PUMP, WATER, CENTRIFUGAL, DEWATERING, WHEEL, 8" DIA, 1770 GPM @ 60' HEAD (ADD HOSES)	61 HP	D-off	\$22,397	9.77	1.45	2.22	0.34	3.76	31
	P60GF005	600/10"T	PUMP, WATER, CENTRIFUGAL, DEWATERING, WHEEL, 10" DIA, 3410 GPM @ 60' HEAD (ADD HOSES)	83 HP	D-off	\$27,291	12.60	1.76	2.70	0.41	5.12	34
	P60GF006	800/12"T	PUMP, WATER, CENTRIFUGAL, DEWATERING, WHEEL, 12" DIA, 4410 GPM @ 60' HEAD (ADD HOSES)	110 HP	D-off	\$31,546	15.73	2.03	3.11	0.47	6.78	40
GORMAN-RUPP COMPANY												
	P60GR001	14C2-F3L	PUMP, WATER, CENTRIFUGAL, DEWATERING, 4" DIA, 600 GPM @ 80' HEAD, WHEEL (ADD HOSES)	47 HP	D-off	\$20,563	8.22	1.33	2.03	0.31	2.90	20
	P60GR002	86A2-F4L	PUMP, WATER, CENTRIFUGAL, DEWATERING, 6" DIA, 1825 GPM @ 40' HEAD, WHEEL (ADD HOSES)	101 HP	G	\$22,580	22.38	1.46	2.23	0.34	13.73	20

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
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	\$1,287	0.89	0.09	0.13	0.02	0.48	1
	P65HO002	111DP3-1	PUMP, WATER, DIAPHRAGM, SKID MTD, 3" DIA, 4800 GPH @ 25' HEAD (ADD HOSES)	4 HP	G	\$1,396	0.92	0.09	0.14	0.02	0.48	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	\$2,409	1.36	0.15	0.22	0.04	0.68	2
	P65GR002	3D-B	PUMP, WATER, DIAPHRAGM, WHEEL, 3" DIA, 3,360 GPH @ 25' HEAD (ADD HOSES)	2 HP	G	\$3,061	0.88	0.20	0.29	0.05	0.20	2
	P65GR003	4D-B	PUMP, WATER, DIAPHRAGM, WHEEL, 4" DIA, 4,440 GPH @ 25' HEAD (ADD HOSES)	3 HP	G	\$7,828	2.10	0.50	0.76	0.12	0.41	3
	WACKER CORPORATION											
	P65WC001	PDT 2A	PUMP, WATER, DIAPHRAGM, WHEEL, 2" DIA, 50 GPM @ 25' HEAD (ADD HOSES)	4 HP	G	\$1,753	1.05	0.12	0.18	0.03	0.54	1
	P65WC002	PDT 3A	PUMP, WATER, DIAPHRAGM, WHEEL, 3" DIA, 88 GPM @ 25' HEAD (ADD HOSES)	4 HP	G	\$1,840	1.06	0.12	0.18	0.03	0.54	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)	2 HP	G	\$2,910	0.92	0.19	0.27	0.05	0.27	1
	P70XX002	225-17.5	PUMP, WATER, FOR CORE DRILLS, 17.5 GPM, 225 PSI, MANUAL, SKID (ADD HOSES)	6 HP	G	\$7,601	2.53	0.48	0.71	0.12	0.82	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
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)											
	R10CA001	D-3	RIPPER, 5-SHANKS & BEAM, HYDRAULIC (ADD D-3 TRACTOR DOZER & COST FOR POINT WEAR)			\$5,779	1.31	0.38	0.58	0.09	0.00	8
	R10CA003	D-4C SERIES III	RIPPER, 5-SHANKS & BEAM, HYDRAULIC (ADD D-4 TRACTOR DOZER & COST FOR POINT WEAR)			\$5,779	1.31	0.38	0.58	0.09	0.00	8
	R10CA006	D-5C111	RIPPER, SHANK, EACH (ADD D-5 TRACTOR DOZER & RIPPER & COST FOR POINT WEAR)			\$237	0.04	0.01	0.02	0.00	0.00	1
	R10CA005	D-5C SERIES III	RIPPER, 5-SHANKS & BEAM, HYDRAULIC (ADD D-5 TRACTOR DOZER & COST FOR POINT WEAR)			\$5,779	1.31	0.38	0.58	0.09	0.00	8
	R10CA007	D-6R	RIPPER, 3-SHANKS & BEAM, HYDRAULIC (ADD D-6 TRACTOR DOZER & COST FOR POINT WEAR)			\$16,676	3.61	1.09	1.67	0.25	0.00	16
	R10CA010	D-7R	RIPPER, SHANK, EACH (ADD D-7 TRACTOR DOZER & COST FOR POINT WEAR)			\$1,765	0.38	0.12	0.18	0.03	0.00	3
	R10CA009	D-7R	RIPPER, 3-SHANKS & BEAM, HYDRAULIC (ADD D-7 TRACTOR DOZER & COST FOR POINT WEAR)			\$27,856	5.97	1.82	2.79	0.42	0.00	44
	R10CA013	D-8R	RIPPER, SHANK, EACH (ADD D-8 TRACTOR DOZER & COST FOR POINT WEAR)			\$3,654	0.77	0.24	0.37	0.05	0.00	7
	R10CA011	D-8R	RIPPER, 1-SHANK & BEAM, HYDRAULIC (ADD D-8 TRACTOR DOZER & COST FOR POINT WEAR)			\$30,801	6.60	2.00	3.08	0.46	0.00	38
	R10CA012	D-8R	RIPPER, 3-SHANKS & BEAM, HYDRAULIC (ADD D-8 TRACTOR DOZER & COST FOR POINT WEAR)			\$38,734	8.28	2.52	3.87	0.58	0.00	46
	R10CA016	D-9R	RIPPER, SHANK, EACH (ADD D-9 TRACTOR DOZER & COST FOR POINT WEAR)			\$3,654	0.77	0.24	0.37	0.05	0.00	7
	R10CA014	D-9R	RIPPER, 1-SHANK & BEAM, HYDRAULIC (ADD D-9 TRACTOR DOZER & COST FOR POINT WEAR)			\$39,972	8.61	2.60	4.00	0.60	0.00	7

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
R10	CATERPILLAR INC. (MACHINE DIVISION) (continued)											
	R10CA015	D-9R	RIPPER, 3-SHANKS & BEAM, HYDRAULIC (ADD D-9 TRACTOR DOZER & COST FOR POINT WEAR)			\$47,901	10.28	3.12	4.79	0.72	0.00	33
	R10CA019	D-10R	RIPPER, SHANK, EACH (ADD D-10 TRACTOR DOZER & COST FOR POINT WEAR)			\$6,029	1.51	0.39	0.60	0.09	0.00	12
	R10CA017	D-10R	RIPPER, 1-SHANK & BEAM, HYDRAULIC (ADD D-10 TRACTOR DOZER & COST FOR POINT WEAR)			\$68,603	14.70	4.46	6.86	1.03	0.00	63
	R10CA018	D-10R	RIPPER, 3-SHANKS & BEAM, HYDRAULIC (ADD D-10 TRACTOR DOZER & COST FOR POINT WEAR)			\$84,741	18.12	5.51	8.47	1.27	0.00	85
	R10CA020	D-11R	RIPPER, 1-SHANK & BEAM (ADD D-11 TRACTOR DOZER & COST FOR POINT WEAR)			\$73,385	15.73	4.77	7.34	1.10	0.00	72
	R10CA021	D-11R	RIPPER, 3-SHANKS & BEAM (ADD D-11 TRACTOR DOZER & COST FOR POINT WEAR)			\$87,624	18.76	5.70	8.76	1.32	0.00	103
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)			\$112,495	17.77	5.56	7.81	1.65	0.00	309
	R15SO002	C-75	ROLLER, STATIC, TOWED, PNEUMATIC, 75 TON, 10.5' WIDE, 4 TIRE (ADD TOWING UNIT)			\$124,024	19.51	5.81	7.97	1.82	0.00	347
	R15SO003	C-100XL	ROLLER, STATIC, TOWED, PNEUMATIC, 100 TON, 10.5' WIDE, 4 TIRE (ADD TOWING UNIT)			\$175,159	27.70	8.60	12.06	2.57	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)			\$18,173	3.24	1.00	1.45	0.27	0.00	183

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
R20	REYNOLDS INTERNATIONAL, L.P. <i>(continued)</i>											
	R20RI002	DD-48X60	ROLLER, STATIC, TOWED, 2 STEEL DRUMS, 48" X 60", PADFOOT (ADD TOWING UNIT)			\$24,390	4.26	1.34	1.95	0.36	0.00	243
	SOUTHWEST CONSTRUCTION EQUIPMENT CO.											
	R20SO001	2DH-RR	ROLLER, STATIC, TOWED, TANDEM, 60"X60", SHEEPSFOOT (ADD TOWING UNIT)			\$61,946	10.45	3.39	4.96	0.91	0.00	200
R30	ROLLERS, STATIC, SELF-PROPELLED											
	SUBCATEGORY 0.01 PNEUMATIC											
	COMPACTION AMERICA											
	R30BO004	BW11R	ROLLER, STATIC, SELF-PROPELLED, PNEUMATIC, 13.50 TON, 68" WIDE, 9 TIRE, ASPHALT COMPACTOR	80 HP	D-off	\$70,980	19.70	4.57	7.07	1.03	4.40	90
	R30BO003	BW20R	ROLLER, STATIC, SELF-PROPELLED, PNEUMATIC, 30.00 TON, 78" WIDE, 8 TIRE, ASPHALT COMPACTOR	101 HP	D-off	\$108,266	28.39	7.12	11.07	1.58	5.55	254
	CATERPILLAR INC. (MACHINE DIVISION)											
	R30CA010	PS-150B	ROLLER, STATIC, SELF-PROPELLED, PNEUMATIC, 14.25 TON, 68" WIDE, 9 TIRE, ASPHALT COMPACTOR	70 HP	D-off	\$67,789	18.24	4.49	7.00	0.99	3.85	85
	R30CA011	PS-200B	ROLLER, STATIC, SELF-PROPELLED, PNEUMATIC, 20.00 TON, 68" WIDE, 9 TIRE, ASPHALT COMPACTOR	105 HP	D-off	\$82,532	23.45	5.49	8.58	1.20	5.77	87
	R30CA014	PS-360B	ROLLER, STATIC, SELF-PROPELLED, PNEUMATIC, 27.55 TON, 90" WIDE, 7 TIRE, ASPHALT COMPACTOR	105 HP	D-off	\$133,969	34.11	8.74	13.57	1.95	5.77	187
	ROSCO MANUFACTURING CO.											
	R30RS003	TRU-PAC 915	ROLLER, STATIC, SELF-PROPELLED, PNEUMATIC, 6-15 TON, 68" WIDE, 9 TIRES, HYDROSTATIC	85 HP	D-off	\$52,726	16.18	3.49	5.43	0.77	4.67	115

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	SAKAI AMERICA, INC.											
	R30SI002	TS200	ROLLER, STATIC, SELF-PROPELLED, PNEUMATIC, 16.00 TON, 81" WIDE, 9 TIRE, ASPHALT COMPACTOR	91 HP	D-off	\$90,955	24.40	5.91	9.15	1.33	5.00	187
	R30SI003	TS600C	ROLLER, STATIC, SELF-PROPELLED, PNEUMATIC, 16.00 TON, 81" WIDE, 9 TIRE, ASPHALT COMPACTOR	95 HP	D-off	\$113,175	29.04	7.41	11.51	1.65	5.22	187
	R30SI004	TS650C	ROLLER, STATIC, SELF-PROPELLED, PNEUMATIC, 27.00 TON, 82" WIDE, 7 TIRE, ASPHALT COMPACTOR	108 HP	D-off	\$149,933	37.09	9.94	15.50	2.19	5.93	281
	SUBCATEGORY 0.02 SMOOTH DRUM											
	COMPACTION AMERICA											
	R30BO005	BW5AS	ROLLER, STATIC, SELF-PROPELLED, SMOOTH DRUM, 2 WHEEL, 6 TON, 40" WIDE ASPHALT COMPACTOR	50 HP	D-off	\$63,374	14.05	3.60	5.39	0.90	2.75	94
	R30BO006	BW9AS	ROLLER, STATIC, SELF-PROPELLED, SMOOTH DRUM, 2 WHEEL, 10 TON, 50" WIDE ASPHALT COMPACTOR	80 HP	D-off	\$78,293	18.56	4.44	6.65	1.11	4.40	140
	R30BO007	BW11AS	ROLLER, STATIC, SELF-PROPELLED, SMOOTH DRUM, 2 WHEEL, 14 TON, 54" WIDE ASPHALT COMPACTOR	70 HP	D-off	\$73,622	17.12	4.18	6.26	1.05	3.85	215
	ROSCO MANUFACTURING CO.											
	R30RS001	DLX ROLLPAC III	ROLLER, STATIC, SELF-PROPELLED, SMOOTH DRUM, DOUBLE DRUM, 1.5 TON, 34" WIDE	13 HP	G	\$8,544	3.35	0.49	0.73	0.12	1.57	17
	R30RS002	STAPAC III	ROLLER, STATIC, SELF-PROPELLED, SMOOTH DRUM, DOUBLE DRUM, 2 TON, 40" WIDE	20 HP	G	\$11,105	4.81	0.63	0.94	0.16	2.42	26
	SAKAI AMERICA, INC.											
	R30SI005	R2H	ROLLER, STATIC, SELF-PROPELLED, SMOOTH DRUM, 3 WHEEL, 14 TON, 64" WIDE, ASPHALT COMPACTOR	75 HP	D-off	\$111,515	23.85	6.33	9.48	1.59	4.12	207

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	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	338 HP	D-off	\$462,623	86.97	22.11	30.84	6.69	18.57	710
	R30BO008	BC771RB	ROLLER, STATIC, SELF-PROPELLED, LANDFILL/SOIL COMPACTOR, SHEEPSFOOT, 4X4, 40 TON, 63" DIA, 19.58' WIDTH PER 2-PASS, W/BLADE	357 HP	D-off	\$513,156	95.27	24.53	34.21	7.42	19.61	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	220 HP	D-off	\$300,002	56.46	14.34	20.00	4.34	12.09	456
	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	220 HP	D-off	\$313,039	58.27	14.97	20.87	4.53	12.09	503
	R30CA006	825-G	ROLLER, STATIC, SELF-PROPELLED, LANDFILL/SOIL COMPACTOR, SHEEPSFOOT, 4X4, 35 TON, 51" DIA, 16.00' WIDTH PER 2-PASS, W/BLADE	315 HP	D-off	\$452,798	84.09	21.65	30.19	6.55	17.31	691
	R30CA013	826-G	ROLLER, STATIC, SELF-PROPELLED, LANDFILL/SOIL COMPACTOR, TAMPING FOOT, CHOPPER, 4X4, 36.5 TON, 15.66' WIDTH PER 2- PASS, W/BLADE	315 HP	D-off	\$490,152	89.29	23.43	32.68	7.09	17.31	794
	R30CA009	836	ROLLER, STATIC, SELF-PROPELLED, LANDFILL/SOIL COMPACTOR, TAMPING FOOT, CHOPPER, 4X4, 50.0 TON, 18.58' WIDTH PER 2- PASS, W/BLADE	473 HP	D-off	\$622,525	118.25	29.76	41.50	9.01	25.99	1,020

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
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 TOWING UNIT)	50 HP	D-off	\$86,532	21.46	5.63	8.65	1.30	3.08	165
	R40SO003	572 SMOOTH	ROLLER, VIBRATORY, TOWED, SINGLE DRUM, SMOOTH, 25.5 TON, 72" WIDE (ADD TOWING UNIT)	50 HP	D-off	\$83,209	20.79	5.41	8.32	1.25	3.08	169
	R40SO002	756 SHEEPSFT	ROLLER, VIBRATORY, TOWED, SINGLE DRUM, SHEEPSFOOT, 23.5 TON, 78" WIDE (ADD TOWING UNIT)	75 HP	D-off	\$113,408	28.88	7.38	11.34	1.71	4.62	240
	R40SO004	786 SMOOTH	ROLLER, VIBRATORY, TOWED, SINGLE DRUM, SMOOTH, 23.5 TON, 78" WIDE (ADD TOWING UNIT)	75 HP	D-off	\$82,811	22.69	5.39	8.28	1.25	4.62	230
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	33 HP	D-off	\$45,723	13.35	2.98	4.57	0.69	2.03	55
	R45BO005	BW138AD	ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 4.6 TON, 54.3" WIDE, 2X1, ASPHALT COMPACTOR	46 HP	D-off	\$57,175	17.08	3.72	5.72	0.86	2.84	88
	R45BO006	BW151AD-2	ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 7.8 TON, 66.1" WIDE, 2X1, ASPHALT COMPACTOR	74 HP	D-off	\$110,876	31.91	7.22	11.09	1.67	4.56	146
	R45BO007	BW161AD-2	ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 10.4 TON, 66.1" WIDE, 2X1, ASPHALT COMPACTOR	113 HP	D-off	\$134,790	40.61	8.77	13.48	2.03	6.97	196
	R45BO008	BW202ADH-2	ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 12.6 TON, 84.0" WIDE, 2X1, ASPHALT COMPACTOR	113 HP	D-off	\$142,673	42.47	9.29	14.27	2.15	6.97	239

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
CATERPILLAR INC. (MACHINE DIVISION)												
R45CA001	CB-214C		ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 2.5 TON, 39.4" WIDE, 2X1, ASPHALT COMPACTOR	37 HP	D-off	\$38,867	12.05	2.53	3.89	0.58	2.28	44
R45CA002	CB-224C		ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 2.7 TON, 47.2" WIDE, 2X1, ASPHALT COMPACTOR	37 HP	D-off	\$45,311	13.57	2.95	4.53	0.68	2.28	44
R45CA005	CB-434C		ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 6.6 TON, 56" WIDE, 2X1, ASPHALT COMPACTOR	70 HP	D-off	\$112,299	31.92	7.31	11.23	1.69	4.31	137
R45CA007	CB-534C		ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 10.0 TON, 67" WIDE, 2X1, ASPHALT COMPACTOR	107 HP	D-off	\$139,792	41.32	9.09	13.98	2.10	6.60	216
R45CA010	CB-634C		ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 13.2 TON, 84" WIDE, 2X1, ASPHALT COMPACTOR	145 HP	D-off	\$167,315	50.79	10.89	16.73	2.52	8.94	269
R45CA009	CP-563C (PADS)		ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 12.5 TON, 84" WIDE, SOIL COMPACTOR, PADDED DRUM	145 HP	D-off	\$183,398	54.76	11.79	18.05	2.76	8.94	257
ROSCO MANUFACTURING CO.												
R45RS001	VIBRASTAT III		ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 2.0 TON, 36" WIDE, ASPHALT COMPACTOR	20 HP	G	\$13,512	6.66	0.88	1.35	0.20	2.72	27
SAKAI AMERICA, INC.												
R45SI007	SW250		ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 1.7 TON, 39.5" WIDE, 2X1, ASPHALT COMPACTOR	14 HP	D-off	\$32,056	8.64	2.09	3.21	0.48	0.86	16
R45SI008	SW350		ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 3.0 TON, 47" WIDE, 2X1, ASPHALT COMPACTOR	28 HP	D-off	\$48,031	13.50	3.12	4.80	0.72	1.73	28
R45SI009	SW650		ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 7.8 TON, 58" WIDE, 2X1, ASPHALT COMPACTOR	37 HP	D-off	\$92,464	24.66	6.02	9.25	1.39	2.28	157
R45SI010	SW850		ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 14.0 TON, 79" WIDE, 2X1, ASPHALT COMPACTOR	121 HP	D-off	\$127,341	39.49	8.29	12.73	1.92	7.46	124

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
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	38 HP	D-off	\$44,019	11.92	2.65	3.93	0.68	1.68	57
	R50BO010	BW124PD	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, PAD FOOT, 2.9 TON, 47.2" WIDE, 3X2, SOIL COMPACTOR	38 HP	D-off	\$48,727	12.82	3.02	4.53	0.75	1.68	58
	R50BO006	BW142D	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 5.5 TON, 56.1" WIDE, 3X2, SOIL COMPACTOR	54 HP	D-off	\$74,183	19.29	4.61	6.91	1.15	2.39	106
	R50BO011	BW142PD-2	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, PAD FOOT, 5.8 TON, 56.1" WIDE, 3X2, SOIL COMPACTOR	54 HP	D-off	\$79,606	20.47	4.94	7.42	1.23	2.39	72
	R50BO007	BW177D-3	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 7.9 TON, 66.4" WIDE, 3X2, SOIL COMPACTOR	77 HP	D-off	\$106,359	27.67	6.59	9.87	1.65	3.40	139
	R50BO012	BW177PDJ-3	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, PAD FOOT, 8.3 TON, 66.4" WIDE, 3X2, SOIL COMPACTOR	77 HP	D-off	\$120,257	30.69	7.45	11.17	1.86	3.40	146
	R50BO008	BW213D-3	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 11.5 TON, 83.9" WIDE, 3X2, SOIL COMPACTOR	185 HP	D-off	\$136,749	40.50	8.43	12.62	2.12	8.18	260
	R50BO013	BW213PDH-3	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, PAD FOOT, 14.1 TON, 83.9" WIDE, 3X2, SOIL COMPACTOR	185 HP	D-off	\$150,593	43.52	9.29	13.92	2.33	8.18	275
	R50BO009	BW219DH-3	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 20.6 TON, 83.9" WIDE, 3X2, SOIL COMPACTOR	181 HP	D-off	\$205,114	55.20	12.70	19.03	3.18	8.00	407
	CATERPILLAR INC. (MACHINE DIVISION)											
	R50CA001	CS-323C	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 4.6 TON, 50" WIDE, 3X2, SOIL COMPACTOR	70 HP	D-off	\$73,768	20.14	4.57	6.85	1.14	3.10	97

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>R50</i>	<i>CATERPILLAR INC. (MACHINE DIVISION) (continued)</i>											
	R50CA003	CS-431C	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 6.9 TON, 66" WIDE, 3X2, SOIL COMPACTOR	105 HP	D-off	\$90,230	25.74	5.57	8.34	1.40	4.64	138
	R50CA005	CS-433C	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 7.1 TON, 66" WIDE, 3X2, SOIL COMPACTOR	105 HP	D-off	\$104,449	28.84	6.46	9.67	1.62	4.64	141
	R50CA009	CS-563D	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 12.2 TON, 84" WIDE, 3X2, SOIL COMPACTOR	153 HP	D-off	\$133,721	38.10	8.20	12.25	2.07	6.77	246
	R50CA011	CS-583C	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 16.5 TON, 84" WIDE, 3X2, SOIL COMPACTOR	145 HP	D-off	\$167,308	44.95	10.29	15.39	2.59	6.41	246
	R50CA002	CP-323C (PADS)	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, PAD FOOT, 4.6 TON, 50" WIDE, 3X2, SOIL COMPACTOR	70 HP	D-off	\$85,012	22.60	5.27	7.90	1.32	3.10	104
	R50CA004	CP-433C (PADS)	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, PAD FOOT, 7.1 TON, 66" WIDE, 3X2,SOIL COMPACTOR	105 HP	D-off	\$115,452	31.24	7.14	10.70	1.79	4.64	146
	R50CA012	CP-563D (PADS)	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, PAD FOOT, 12.5 TON, 84" WIDE, 3X2, SOIL COMPACTOR	153 HP	D-off	\$157,481	43.28	9.68	14.47	2.44	6.77	269
	INGERSOLL RAND CO.											
	R50IP001	SD-40D	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 4.9 TON, 54" WIDE, SOIL COMPACTOR	76 HP	D-off	\$78,326	21.48	4.84	7.25	1.21	3.36	91
	SAKAI AMERICA, INC.											
	R50SI024	TW350 Combo	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 1.5 TON, 39.5" WIDE, 2X1, ASPHALT COMPACTOR	28 HP	D-off	\$32,362	8.71	1.98	2.96	0.50	1.24	25
	R50SI025	TW500 Combo	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 3.9 TON, 51" WIDE, 2X1, ASPHALT COMPACTOR	30 HP	D-off	\$61,714	15.24	3.82	5.71	0.96	1.33	36
	R50SI006	SV200D	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 4.6 TON, 49" WIDE, 3X2, SOIL COMPACTOR	61 HP	D-off	\$68,927	18.62	4.23	6.32	1.07	2.70	41

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
R50	SAKAI AMERICA, INC. (continued)											
	R50SI007	SV200T (PADS)	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 4.8 TON, 49" WIDE, 3X2, SOIL COMPACTOR	57 HP	D-off	\$75,299	19.79	4.63	6.92	1.17	2.52	43
	R50SI022	SV400D	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 7.7 TON, 67" WIDE, 3X2, SOIL COMPACTOR	138 HP	D-off	\$95,307	28.72	5.89	8.82	1.48	6.10	156
	R50SI026	TW750 Combo	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 8.7 TON, 66" WIDE, 2X1, ASPHALT COMPACTOR	104 HP	D-off	\$122,452	32.70	7.60	11.40	1.90	4.60	100
	R50SI023	SV400TB (PADS)	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 9.6 TON, 67" WIDE, 3X2, SOIL COMPACTOR	82 HP	D-off	\$107,457	28.20	6.64	9.96	1.66	3.63	72
	R50SI027	TW100 Combo	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 11.4 TON, 85" WIDE, 2X1, ASPHALT COMPACTOR	86 HP	D-off	\$180,921	44.43	11.24	16.88	2.80	3.80	221
	R50SI013	SV510D-1E	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 11.5 TON, 84" WIDE, 3X2, SOIL COMPACTOR	138 HP	D-off	\$111,484	32.32	6.86	10.25	1.73	6.10	507
	R50SI016	SV510T (PADS)	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 11.9 TON, 60" WIDE, 3X2, SOIL COMPACTOR	118 HP	D-off	\$120,056	33.06	7.39	11.05	1.86	5.22	110
	R50SI017	SV510TF (PADS)	ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 14.3 TON, 85" WIDE, 3X2, SOIL COMPACTOR	118 HP	D-off	\$137,186	36.79	8.45	12.66	2.12	5.22	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	8 HP	G	\$6,581	5.94	0.55	0.90	0.10	0.72	20
	R55AE002	EZ LOAD 410	ROOFING EQUIPMENT, KETTLE, 410 GAL, W/PUMP, TRAILER MTD	8 HP	G	\$7,997	8.02	0.67	1.10	0.12	0.72	25
	R55AE003	EZ LOAD 680	ROOFING EQUIPMENT, KETTLE, 680 GAL, W/PUMP, TRAILER MTD	8 HP	G	\$10,766	10.38	0.89	1.46	0.16	0.72	39
	R55AE004	EZ LOAD 1000	ROOFING EQUIPMENT, KETTLE, 1000 GAL, W/PUMP, TRAILER MTD	8 HP	G	\$14,235	11.70	1.15	1.86	0.22	0.72	54

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>R55</i>	<i>AEROIL PRODUCTS COMPANY, INC. (continued)</i>											
	R55AE008	RHINO S PEELER	ROOFING EQUIPMENT, ROOF PEELER, 16" WIDE WALK BEHIND, POWERED WHEEL 2X2	8 HP	G	\$4,771	2.18	0.39	0.64	0.07	0.72	6
	R55AE009	MKI9	ROOFING EQUIPMENT, 1-BLADE CUTTER, 3.75" DEEP WALK BEHIND (ADD BLADE COST)	9 HP	G	\$1,732	1.47	0.16	0.25	0.03	0.82	2
	R55AE010	MK216R	ROOFING EQUIPMENT, 2-BLADE CUTTER, 3.75" DEEP WALK BEHIND (ADD BLADE COST)	16 HP	G	\$3,184	2.63	0.28	0.45	0.05	1.45	3
	R55AE011	BUFFALO 800	ROOFING EQUIPMENT, MATERIAL BUGGY, WALK BEHIND GRAVEL SPREADER, HOPPER 800 LBS, 8CF, 4X2	5 HP	G	\$3,254	1.44	0.25	0.39	0.05	0.45	4
	GARLOCK EQUIPMENT CO.											
	R55GL017		ROOFING EQUIPMENT, SUPER MINI SAW	5 HP	G	\$1,862	1.05	0.16	0.26	0.03	0.45	2
	R55GL016		ROOFING EQUIPMENT, DUST MASTER	9 HP	G	\$5,500	2.48	0.47	0.78	0.08	0.82	3
	R55GL011		ROOFING EQUIPMENT, DUAL BLADE CUTTER, 30" WIDTH, SELF PROPELLED (ADD BLADE COST)	16 HP	G	\$6,248	3.46	0.54	0.89	0.09	1.45	4
	R55GL018	NO.12	ROOFING EQUIPMENT, SCRATCHER	5 HP	G	\$1,938	1.07	0.17	0.27	0.03	0.45	1
	R55GL019	NO. 30	ROOFING EQUIPMENT, SCRATCHER	8 HP	G	\$3,490	1.81	0.30	0.49	0.05	0.72	3
	R55GL009		ROOFING EQUIPMENT, ROTARY PLANER, 12" WIDE PATH	11 HP	G	\$2,288	1.76	0.19	0.32	0.03	0.95	2
	R55GL008	MODEL 86	ROOFING EQUIPMENT, POWER SWEEPER, 42" WIDTH	5 HP	G	\$2,744	1.29	0.22	0.36	0.04	0.45	2
	R55GL015	MODEL 1000	ROOFING EQUIPMENT, HYDRAULIC HOIST, W/175' CABLE	9 HP	G	\$8,657	3.34	0.75	1.23	0.13	0.82	8
	R55GL007	MODEL 1400	ROOFING EQUIPMENT, HYDRAULIC SWING HOIST, W/275' CABLE	18 HP	G	\$12,623	5.40	1.09	1.79	0.19	1.63	10
	R55GL013	MODEL 30	ROOFING EQUIPMENT, KETTLE, 30 GAL			\$1,271	0.58	0.10	0.15	0.02	0.00	3
	R55GL014	MODEL 85	ROOFING EQUIPMENT, KETTLE, 85 GAL, SKID			\$2,890	1.13	0.25	0.41	0.04	0.00	7
	R55GL001	MODEL 115	ROOFING EQUIPMENT, KETTLE, 115 GAL			\$3,186	1.36	0.27	0.43	0.05	0.00	8
	R55GL002	MODEL 175	ROOFING EQUIPMENT, KETTLE, 175 GAL, W/PUMP	5 HP	G	\$9,141	3.52	0.77	1.26	0.14	0.45	17
	R55GL012	MODEL 300	ROOFING EQUIPMENT, KETTLE, 300 GAL, W/PUMP	9 HP	G	\$12,401	5.09	1.05	1.72	0.19	0.82	23
	R55GL003	MODEL 412	ROOFING EQUIPMENT, KETTLE, 412 GAL, W/PUMP	9 HP	G	\$12,663	5.16	1.06	1.73	0.19	0.82	30

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>R55</i>	<i>GARLOCK EQUIPMENT CO. (continued)</i>											
	R55GL004	MODEL 612	ROOFING EQUIPMENT, KETTLE, 612 GAL, W/PUMP	9 HP	G	\$14,780	5.98	1.24	2.04	0.22	0.82	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	175 HP	D-off	\$245,619	56.28	13.11	19.00	3.61	7.74	335
DEERE & COMPANY												
	S10JD001	762B	SCRAPER, ELEVATING LOADING, 11 CY, 13.8 TON, 4X2 - SINGLE POWERED	180 HP	D-off	\$243,921	55.92	13.04	18.92	3.58	7.96	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	\$383,357	75.23	16.29	21.17	5.70	11.72	526
	S10CA003	623-F	SCRAPER, ELEVATING LOADING, 23 CY, 25 TON, 4X2 - SINGLE POWERED	365 HP	D-off	\$550,250	104.69	23.51	30.65	8.18	16.14	695
DEERE & COMPANY												
	S10JD002	862B	SCRAPER, ELEVATING LOADING, 18 CY, 20.4 TON, 4X2 - SINGLE POWERED	268 HP	D-off	\$373,740	71.51	16.02	20.91	5.56	11.85	482
S15 SCRAPERS, CONVENTIONAL												
SUBCATEGORY 0.00 SCRAPERS, CONVENTIONAL												
CATERPILLAR INC. (MACHINE DIVISION)												
	S15CA001	621-F	SCRAPER, CONVENTIONAL, STANDARD LOADING, 21 CY, 24 TON, 4X2 - SINGLE POWERED	365 HP	D-off	\$480,853	84.68	19.16	24.62	6.85	15.16	680

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV) 2000 (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT		
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER		AVERAGE	STANDBY	DEPR	FCCM	FUEL			
	S15	CATERPILLAR INC. (MACHINE DIVISION) (continued)												
	S15CA002	631-E SERIES II	SCRAPER, CONVENTIONAL, STANDARD LOADING, 31 CY, 37.5 TON, 4X2 - SINGLE POWERED	450 HP	D-off	\$733,341	122.04	29.30	37.69	10.45	18.69	959		
	S15CA003	651-E	SCRAPER, CONVENTIONAL, STANDARD LOADING, 44 CY, 52 TON, 4X2 - SINGLE POWERED	594 HP	D-off	\$946,722	156.85	37.89	48.79	13.49	24.67	1,325		
S20	SCRAPERS, TANDEM POWERED													
	SUBCATEGORY 0.00 SCRAPERS, TANDEM POWERED													
	CATERPILLAR INC. (MACHINE DIVISION)													
	S20CA001	627-F	SCRAPER, TANDEM POWERED, STANDARD LOADING, 21 CY, 24 TON, 4X4, D-9 ASSISTED LOADING	330 HP	D-off	225 HP	D-off	\$553,608	108.37	22.14	28.50	7.89	23.80	791
	S20CA002	627-F PP	SCRAPER, TANDEM POWERED, STANDARD LOADING, 20 CY, 24 TON, 4X4, PUSH-PULL	330 HP	D-off	225 HP	D-off	\$563,496	109.52	22.55	29.03	8.03	23.80	824
	S20CA003	637-E SERIES II	SCRAPER, TANDEM POWERED, STANDARD LOADING, 31 CY, 37.5 TON, 4X4, D-10 ASSISTED LOADING	450 HP	D-off	250 HP	D-off	\$925,519	165.00	37.15	47.94	13.18	30.02	1,084
	S20CA004	637-E SERIES II PP	SCRAPER, TANDEM POWERED, STANDARD LOADING, 31 CY, 37.5 TON, 4X4, PUSH-PULL	450 HP	D-off	250 HP	D-off	\$964,432	169.53	38.75	50.01	13.74	30.02	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	\$1,142,281	201.64	46.08	59.62	16.27	40.73	1,519
	S20CA006	657-E PP	SCRAPER, TANDEM POWERED, STANDARD LOADING, 44 CY, 52 TON, 4X4, PUSH-PULL	550 HP	D-off	400 HP	D-off	\$1,210,504	215.35	48.67	62.86	17.24	40.73	1,594
S25	SCRAPERS, TRACTOR DRAWN													
	SUBCATEGORY 0.00 SCRAPERS, TRACTOR DRAWN													
	DEERE & COMPANY													
	S25JD001	1510C	SCRAPER, TOWED, STANDARD LOADING, 11 CY, 17 TON, 2X0 (ADD 225 HP TRACTOR)			\$39,030	7.71	1.71	2.29	0.56	0.00	164		

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
S25	DEERE & COMPANY (continued)											
	S25JD002	1814C	SCRAPER, TOWED, STANDARD LOADING, 14 CY, 23 TON, 2X0 (ADD 360HP TRACTOR)			\$49,591	9.65	2.14	2.84	0.72	0.00	193
	REYNOLDS INTERNATIONAL, L.P.											
	S25RI001	14C	SCRAPER, TOWED, 10.7-14 CY, 15 TON, 10' CUT WIDTH (ADD 250 - 300 HP TRACTOR)			\$36,949	6.97	1.68	2.29	0.53	0.00	136
	S25RI002	17C	SCRAPER, TOWED, 13-17 CY, 17 TON, 12' CUT WIDTH (ADD 350 - 400 HP TRACTOR)			\$41,815	7.60	1.91	2.61	0.60	0.00	170
	ROME PLOW CO.											
	S25RM003	R56H	SCRAPER, TOWED, 9-12 CY, 12.5 TON (ADD 150 HP TOWING UNIT)			\$95,550	17.88	4.15	5.53	1.38	0.00	203
	S25RM001	R67H	SCRAPER, TOWED, 12-17 CY, 17 TON (ADD 150 HP TOWING UNIT)			\$119,561	20.46	5.37	7.27	1.73	0.00	238
	S25RM002	R89H	SCRAPER, TOWED, 18-26 CY, 25 TON (ADD 300 HP TOWING UNIT)			\$135,132	23.33	6.01	8.11	1.95	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', 10 CY HOPPER & 8' FEED, 1,500 TPH	15 HP	E	\$44,641	8.40	2.54	3.86	0.61	0.63	15
	S30KB035	12-3070	SCREENING & CRUSHING PLANTS, FEEDER CONVEYOR, 30"X 70', 10 CY HOPPER & 8' FEED, 1,500 TPH	20 HP	E	\$49,672	9.64	2.78	4.20	0.68	0.85	18
	S30KB036	12-3650	SCREENING & CRUSHING PLANTS, FEEDER CONVEYOR, 36"X 50', 10 CY HOPPER & 8' FEED, 2,000 TPH	20 HP	E	\$47,961	9.27	2.73	4.14	0.66	0.85	16
	S30KB041	12-3670	SCREENING & CRUSHING PLANTS, FEEDER CONVEYOR, 36"X 70', 10 CY HOPPER & 8' FEED, 2,000 TPH	25 HP	E	\$53,921	10.66	3.02	4.56	0.74	1.06	19
	S30KB001	13-2480	SCREENING & CRUSHING PLANTS, CONVEYOR, STACKING, 24" WIDE X 80' LONG, WHEEL MTD, 750 TPH	15 HP	E	\$28,654	5.70	1.63	2.47	0.39	0.63	14

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV) 2000 (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER		AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>S30</i>	<i>KOLBERG - PIONEER, INC (continued)</i>											
	S30KB002	13-24100	SCREENING & CRUSHING PLANTS, CONVEYOR, STACKING, 24" WIDE X 100' LONG, WHEEL MTD, 750 TPH	15 HP	E	\$31,446	6.21	1.78	2.69	0.43	0.63	18
	S30KB003	13-3080	SCREENING & CRUSHING PLANTS, CONVEYOR, STACKING, 30" WIDE X 80' LONG, WHEEL MTD, 1500 TPH	25 HP	E	\$30,452	6.61	1.73	2.62	0.42	1.06	20
	S30KB004	13-30100	SCREENING & CRUSHING PLANTS, CONVEYOR, STACKING, 30" WIDE X 100' LONG, WHEEL MTD, 1500 TPH	25 HP	E	\$34,979	7.41	1.98	2.99	0.48	1.06	25
	S30KB005	13-3680	SCREENING & CRUSHING PLANTS, CONVEYOR, STACKING, 36" WIDE X 80' LONG, WHEEL MTD, 2000 TPH	30 HP	E	\$36,291	7.93	2.05	3.10	0.50	1.27	30
	S30KB006	13-36100	SCREENING & CRUSHING PLANTS, CONVEYOR, STACKING, 36" WIDE X 100' LONG, WHEEL MTD, 2000 TPH	40 HP	E	\$42,286	9.51	2.40	3.63	0.58	1.69	38
	S30KB007	31-2480	SCREENING & CRUSHING PLANTS, CONVEYOR, SIDE FOLDING STACKER, 24" WIDE X 80' LONG, WHEEL MTD, 750 TPH	15 HP	E	\$31,704	6.39	1.69	2.49	0.44	0.63	22
	S30KB008	31-24100	SCREENING & CRUSHING PLANTS, CONVEYOR, SIDE FOLDING STACKER, 24" WIDE X 100' LONG, WHEEL MTD, 750 TPH	15 HP	E	\$37,498	7.35	2.02	3.00	0.52	0.63	27
	S30KB009	31-24125	SCREENING & CRUSHING PLANTS, CONVEYOR, SIDE FOLDING STACKER, 24" WIDE X 125' LONG, WHEEL MTD, 750 TPH	20 HP	E	\$39,986	8.14	2.15	3.19	0.55	0.85	33
	S30KB010	31-3080	SCREENING & CRUSHING PLANTS, CONVEYOR, SIDE FOLDING STACKER, 30" WIDE X 80' LONG, WHEEL MTD, 1500 TPH	25 HP	E	\$33,531	7.35	1.77	2.62	0.46	1.06	32
	S30KB011	31-30100	SCREENING & CRUSHING PLANTS, CONVEYOR, SIDE FOLDING STACKER, 30" WIDE X 100' LONG, WHEEL MTD, 1500 TPH	25 HP	E	\$41,066	8.60	2.20	3.28	0.56	1.06	39
	S30KB012	31-30125	SCREENING & CRUSHING PLANTS, CONVEYOR, SIDE FOLDING STACKER, 30" WIDE X 125' LONG, WHEEL MTD, 1500 TPH	30 HP	E	\$48,009	10.06	2.61	3.89	0.66	1.27	47
	S30KB013	31-3680	SCREENING & CRUSHING PLANTS, CONVEYOR, SIDE FOLDING STACKER, 36" WIDE X 80' LONG, WHEEL MTD, 2000 TPH	30 HP	E	\$39,370	8.62	2.11	3.13	0.54	1.27	42
	S30KB014	31-36100	SCREENING & CRUSHING PLANTS, CONVEYOR, SIDE FOLDING STACKER, 36" WIDE X 100' LONG, WHEEL MTD, 2000 TPH	40 HP	E	\$48,422	10.72	2.63	3.92	0.67	1.69	59

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>S30</i>	<i>KOLBERG - PIONEER, INC (continued)</i>											
	S30KB015	31-36125	SCREENING & CRUSHING PLANTS, CONVEYOR, SIDE FOLDING STACKER, 36" WIDE X 125' LONG, WHEEL MTD, 2000 TPH	50 HP	E	\$58,310	12.96	3.20	4.80	0.80	2.11	70
	S30KB018	35-24150	SCREENING & CRUSHING PLANTS, CONVEYOR, FIXED HEIGHT STACKER, 24"W X 150' L, WHEEL MTD, 750 TPH	25 HP	E	\$84,823	15.65	4.88	7.41	1.17	1.06	39
	S30KB021	35-30150	SCREENING & CRUSHING PLANTS, CONVEYOR, FIXED HEIGHT STACKER, 30"W X 150' LONG, WHEEL MTD, 1500 TPH	40 HP	E	\$99,684	19.01	5.74	8.73	1.37	1.69	56
	S30KB024	35-36150	SCREENING & CRUSHING PLANTS, CONVEYOR, FIXED HEIGHT STACKER, 36" WIDE X 150' LONG, WHEEL MTD, 2000 TPH	60 HP	E	\$116,883	23.06	6.74	10.25	1.61	2.54	84
	S30KB025	36-24100	SCREENING & CRUSHING PLANTS, CONVEYOR, ADJUSTABLE HEIGHT RADIAL STACKER, 24" WIDE X 100' LONG, WHEEL MTD, 750 TPH	20 HP	E	\$60,156	11.30	3.42	5.17	0.83	0.85	52
	S30KB026	36-24120	SCREENING & CRUSHING PLANTS, CONVEYOR, ADJUSTABLE HEIGHT RADIAL STACKER, 24" WIDE X 120' LONG, WHEEL MTD, 750 TPH	20 HP	E	\$71,594	13.18	4.08	6.19	0.98	0.85	57
	S30KB027	36-24150	SCREENING & CRUSHING PLANTS, CONVEYOR, ADJUSTABLE HEIGHT RADIAL STACKER, 24" WIDE X 150' LONG, WHEEL MTD, 750 TPH	25 HP	E	\$90,565	16.60	5.22	7.93	1.25	1.06	65
	S30KB028	36-30100	SCREENING & CRUSHING PLANTS, CONVEYOR, ADJUSTABLE HEIGHT RADIAL STACKER, 30" WIDE X 100' LONG, WHEEL MTD, 1500 TPH	30 HP	E	\$62,466	12.28	3.55	5.37	0.86	1.27	64
	S30KB029	36-30120	SCREENING & CRUSHING PLANTS, CONVEYOR, ADJUSTABLE HEIGHT RADIAL STACKER, 30" WIDE X 120' LONG, WHEEL MTD, 1500 TPH	30 HP	E	\$84,204	15.87	4.82	7.31	1.16	1.27	71
	S30KB030	36-30150	SCREENING & CRUSHING PLANTS, CONVEYOR, ADJUSTABLE HEIGHT RADIAL STACKER, 30" WIDE X 150' LONG, WHEEL MTD, 1500 TPH	40 HP	E	\$106,723	20.17	6.15	9.36	1.47	1.69	82
	S30KB031	36-36100	SCREENING & CRUSHING PLANTS, CONVEYOR, ADJUSTABLE HEIGHT RADIAL STACKER, 36" WIDE X 100' LONG, WHEEL MTD, 2000 TPH	50 HP	E	\$88,967	17.83	5.09	7.74	1.22	2.11	82
	S30KB032	36-36120	SCREENING & CRUSHING PLANTS, CONVEYOR, ADJUSTABLE HEIGHT RADIAL STACKER, 36" WIDE X 120' LONG, WHEEL MTD, 2,000 TPH	50 HP	E	\$107,150	20.85	6.15	9.35	1.47	2.11	93
	S30KB033	36-36150	SCREENING & CRUSHING PLANTS, CONVEYOR, ADJUSTABLE HEIGHT RADIAL STACKER, 36" WIDE X 150' LONG, WHEEL MTD, 2,000 TPH	60 HP	E	\$125,165	24.42	7.22	11.00	1.72	2.54	110

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
S30	KOLBERG - PIONEER, INC (continued)											
	S30KB042	1430-15	SCREENING & CRUSHING PLANTS, SURGE BIN, 25CY, BELT FEEDER, & 30" WIDE X 40' LONG CONVEYOR, 1500 TPH	25 HP	E	\$60,911	11.65	3.51	5.34	0.84	1.06	18
	S30KB054	1936-2	SCREENING & CRUSHING PLANTS, SURGE BIN, 25CY, BELT FEEDER, & 30" WIDE X 40' LONG CONVEYOR, 1500 TPH	25 HP	E	\$60,911	11.71	3.47	5.25	0.84	1.06	18
	S30KB053	1436-25	SCREENING & CRUSHING PLANTS, SURGE BIN, 25CY, BELT FEEDER, & 36" WIDE X 40' LONG CONVEYOR, 2000 TPH	35 HP	E	\$66,963	13.24	3.86	5.87	0.92	1.48	20
	S30KB043	1936-3	SCREENING & CRUSHING PLANTS, SURGE BIN, 25CY, BELT FEEDER, & 36" WIDE X 40' LONG CONVEYOR, 2000 TPH	35 HP	E	\$66,963	13.30	3.82	5.79	0.92	1.48	20
	S30KB044	1936-4	SCREENING & CRUSHING PLANTS, SURGE BIN, 25CY, BELT FEEDER, & 36" WIDE X 40' LONG CONVEYOR, 2000 TPH	35 HP	E	\$66,963	13.30	3.82	5.79	0.92	1.48	20
	PUTZMEISTER INC.											
	S30PU001	TELEBELT TB 50	SCREENING & CRUSHING PLANTS, CONVEYOR, 16" WIDE X 50' LONG, 80 CY/HR, 1 CY HOPPER & TREMIE, 2X4, TRUCK MTD	215 HP	D-off	\$213,290	47.36	12.36	18.85	2.93	9.51	201
	S30PU002	TELEBELT TB 80	SCREENING & CRUSHING PLANTS, CONVEYOR, 18" WIDE X 80' LONG, 360 CY/HR, 3 CY HOPPER & TREMIE, 4X6, TRUCK MTD	350 HP	D-off	\$314,680	71.80	18.21	27.75	4.33	15.48	332
	S30PU003	TELEBELT TB 105	SCREENING & CRUSHING PLANTS, CONVEYOR, 18" WIDE X 105' LONG, 360CY/HR, 3 CY HOPPER & TREMIE, 4X8, TRUCK MTD	350 HP	D-off	\$477,373	98.64	27.71	42.28	6.57	15.48	592
	TELSMITH INC.											
	S30TS001	PTC 24IN X 50FT	SCREENING & CRUSHING PLANTS, CONVEYOR, TRUSS FRAME, 24" WIDE X 50' LONG, WHEEL MTD, 750 TPH	10 HP	E	\$37,256	6.86	2.13	3.23	0.51	0.42	10
	S30TS002	PTC 24IN X 70FT	SCREENING & CRUSHING PLANTS, CONVEYOR, TRUSS FRAME, 24" WIDE X 70' LONG, WHEEL MTD, 750 TPH	15 HP	E	\$41,505	7.89	2.37	3.59	0.57	0.63	13
	S30TS003	PTC 30IN X 50FT	SCREENING & CRUSHING PLANTS, CONVEYOR, TRUSS FRAME, 30" WIDE X 50' LONG, WHEEL MTD, 1500 TPH	10 HP	E	\$39,189	7.20	2.24	3.39	0.54	0.42	12

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
S30	TELSMITH INC. (continued)											
	S30TS004	PTC 30IN X 70FT	SCREENING & CRUSHING PLANTS, CONVEYOR, TRUSS FRAME, 30" WIDE X 70' LONG, WHEEL MTD, 1500 TPH	20 HP	E	\$44,152	8.67	2.51	3.80	0.61	0.85	17
	S30TS005	PTC 36IN X 50FT	SCREENING & CRUSHING PLANTS, CONVEYOR, TRUSS FRAME, 36" WIDE X 50' LONG, WHEEL MTD, 2000 TPH	20 HP	E	\$41,558	8.20	2.36	3.58	0.57	0.85	19
	S30TS006	PTC 36IN X 70FT	SCREENING & CRUSHING PLANTS, CONVEYOR, TRUSS FRAME, 36" WIDE X 70' LONG, WHEEL MTD, 2000 TPH	20 HP	E	\$47,400	9.22	2.69	4.07	0.65	0.85	26
	S30TS007	PTC 42IN X 50FT	SCREENING & CRUSHING PLANTS, CONVEYOR, TRUSS FRAME, 42" WIDE X 50' LONG, WHEEL MTD, 3000 TPH	20 HP	E	\$42,111	8.34	2.39	3.62	0.58	0.85	25
	S30TS008	PTC 42IN X 70FT	SCREENING & CRUSHING PLANTS, CONVEYOR, TRUSS FRAME, 42" WIDE X 70' LONG, WHEEL MTD, 3000 TPH	25 HP	E	\$48,954	9.80	2.77	4.19	0.67	1.06	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)	250 HP	E	\$283,229	39.36	8.62	9.96	3.64	10.56	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)	350 HP	E	\$382,019	53.86	11.64	13.46	4.91	14.79	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)	450 HP	E	\$340,667	55.93	10.40	12.03	4.38	19.01	600

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
KOLBERG - PIONEER, INC												
	S30KB045	CS-4250	SCREENING & CRUSHING PLANTS, CRUSHER - SHAFT IMPACTOR, 42"X52", 500 TPH, W/ 18' X 42" VIBRATORY FEEDER/ ADJUSTABLE GRIZZLY/ & BYPASS FEED, TRAILER MTD	360 HP	D-off	\$412,654	55.03	12.63	14.65	5.30	15.92	548
TELSMITH INC.												
	S30TS009	4246	SCREENING & CRUSHING PLANTS, CRUSHER - SHAFT IMPACTOR, 600 TPH	300 HP	E	\$250,715	41.59	7.74	9.03	3.22	12.68	595
	S30TS010	4856	SCREENING & CRUSHING PLANTS, CRUSHER - SHAFT IMPACTOR, 1100 TPH	400 HP	E	\$373,317	58.70	11.52	13.44	4.80	16.90	942
	S30TS011	6071	SCREENING & CRUSHING PLANTS, CRUSHER - SHAFT IMPACTOR, 2100 TPH	800 HP	E	\$625,046	107.26	19.28	22.50	8.03	33.80	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"X50" IMPACT CRUSHER, W/ HOPPER/ & 36" X 32' END DELIVERY CONVEYOR, TRAILER MTD (ADD 210KW GENERATOR)	210 HP	E	\$411,526	50.16	12.62	14.66	5.29	8.87	550
	S30KB047	1400 LS	SCREENING & CRUSHING PLANTS, CRUSHERS - CONE, SECONDARY PLANT, 42"X 50" IMPACT CRUSHER, 630 TPH @ 1" ->1050 TPH @ 2.5", W/ HOPPER/ & 42" X 32' END DELIVERY CONVEYOR, TRAILER MTD (ADD 315KW GENERATOR)	315 HP	E	\$351,475	50.95	10.76	12.49	4.51	13.31	950
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	\$152,688	13.90	4.64	5.35	1.96	1.69	86

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	FUEL TYPE			2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	
				MAIN	CARRIER							
<i>S30</i>	<i>HEWITT-ROBINS (continued)</i>											
	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)	100 HP	E	\$254,261	24.71	7.77	9.00	3.27	4.23	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)	125 HP	E	\$276,374	27.76	8.45	9.80	3.55	5.28	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)	150 HP	E	\$299,385	31.24	9.13	10.55	3.85	6.34	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)	200 HP	E	\$357,768	38.60	10.91	12.61	4.60	8.45	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)	125 HP	E	\$288,785	28.63	8.83	10.24	3.71	5.28	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)	200 HP	E	\$364,992	38.95	11.14	12.90	4.69	8.45	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)	200 HP	E	\$423,029	43.40	12.90	14.94	5.43	8.45	168

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	FUEL TYPE			2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	
				MAIN	CARRIER							
	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	180 HP	D-off	\$289,726	31.25	8.86	10.28	3.72	7.96	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 (ADD 250KW GENERATOR & WATER TANK)	250 HP	E	\$293,634	36.27	9.00	10.46	3.77	10.56	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	180 HP	D-off	\$298,277	31.87	9.13	10.59	3.83	7.96	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)	300 HP	E	\$462,428	51.55	14.18	16.47	5.94	12.68	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	223 HP	D-off	\$338,157	37.07	10.35	12.02	4.34	9.86	701

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	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	15 HP	E	\$110,661	20.17	6.40	9.75	1.52	0.63	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	20 HP	E	\$115,022	21.23	6.65	10.14	1.58	0.85	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	25 HP	E	\$121,395	22.62	7.03	10.71	1.67	1.06	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,	25 HP	E	\$123,356	22.96	7.15	10.89	1.70	1.06	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	40 HP	E	\$146,728	28.08	8.41	12.77	2.02	1.69	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/ 36" X18' UNDER SCREEN CONVEYOR/ & 24" X 20' SIDE DELIVERY CONVEYOR, TRAILER MTD	80 HP	E	\$136,350	28.53	7.88	12.00	1.88	3.38	280

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	FUEL TYPE			2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	
				MAIN	CARRIER							
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	\$139,471	31.03	7.64	11.44	1.92	3.80	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	\$186,958	47.19	10.86	16.57	2.57	10.56	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	\$238,705	56.12	13.90	21.23	3.28	10.56	420
	S30KB052	7208-32 S/P	SCREENING & CRUSHING PLANTS, CLASSIFYING PLANT (SAND SORT) 8'WX32'L TANK & 44" DIA SCREW,ADD	250 HP	E	\$238,554	56.03	13.93	21.30	3.28	10.56	450
	METSO MINERALS											
	S30RA002	CV 50D	SCREENING & CRUSHING PLANTS, GRIZZLY-SINGLE SCREEN, 120 CY/HR, TRAILER MTD	25 HP	D-off	\$52,779	10.55	3.06	4.66	0.73	1.11	130
	S30RA003	CV 90D	SCREENING & CRUSHING PLANTS, GRIZZLY-SINGLE SCREEN, 200 CY/HR, TRAILER MTD	49 HP	D-off	\$98,611	19.85	5.71	8.69	1.36	2.17	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)			\$2,771	0.56	0.18	0.28	0.04	0.00	15

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
S35	<i>AMERICAN ROAD MACHINERY, INC. (continued)</i>											
	S35AR002	713	SNOW REMOVAL EQUIPMENT, SNOW PLOW, 1-WAY TRIP (ADD DUMP TRUCK)			\$4,211	0.84	0.27	0.42	0.06	0.00	20
S40 SOIL & ROAD STABILIZERS												
	SUBCATEGORY 0.00 SOIL & ROAD STABILIZERS											
	COMPACTION AMERICA											
	S40BO002	MPH-100 RECYCLER	SOIL & ROAD STABILIZER, 12" DEEP X 79" WIDE, HYDROSTATIC RECLAIMER/ SOIL STABILIZER, 4X2	360 HP	D-off	\$302,445	72.75	16.49	24.09	4.44	17.37	339
	S40BO003	MPH-100 STABILIZER	SOIL & ROAD STABILIZER, 14" DEEP X 79" WIDE, HYDROSTATIC RECLAIMER/ SOIL STABILIZER, 4X2	360 HP	D-off	\$307,951	73.68	16.79	24.53	4.52	17.37	339
	S40BO004	MPH-100 S-DM	SOIL & ROAD STABILIZER, 21" DEEP X 79" WIDE, HYDROSTATIC RECLAIMER/ SOIL STABILIZER, 4X2	360 HP	D-off	\$292,958	71.16	15.97	23.33	4.30	17.37	339
	CATERPILLAR INC. (MACHINE DIVISION)											
	S40CA001	RR-250	SOIL & ROAD STABILIZER, 12" DEEP X 96" WIDE, HYDROSTATIC RECLAIMER/ SOIL STABILIZER, 4X2	335 HP	D-off	\$311,493	72.77	16.99	24.82	4.58	16.16	357
	S40CA002	SS-250	SOIL & ROAD STABILIZER, 18" DEEP X 96" WIDE, HYDROSTATIC RECLAIMER/ SOIL STABILIZER, 4X2	335 HP	D-off	\$283,907	68.64	15.33	22.32	4.17	16.16	331
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 80CFM COMPRESSOR)	80 CFM	A	\$11,817	3.71	0.97	1.58	0.18	0.00	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
S45	<i>ELCO INTERNATIONAL INC. (continued)</i>											
	S45DA005	02-9	SPLITTER, ROCK & CONCRETE, 220 TON SFORCE, 1-3/4" DIA, SIZE 9, 5 GAL, 18" DEEP HOLE REQ'D (ADD 80CFM COMPRESSOR)	80 CFM	A	\$15,106	4.67	1.25	2.01	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 80CFM COMPRESSOR)	80 CFM	A	\$15,739	4.86	1.30	2.10	0.25	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)			\$11,813	2.01	0.65	0.95	0.17	0.00	22
	T10CA002	D3-PA 30B	TRACTOR ATTACHMENTS, POWER WINCH, W/ 250' CABLE, FOR D3 (ADD D3 TRACTOR)			\$17,812	2.98	0.97	1.42	0.26	0.00	21
	T10CA004	D4-104-5683	TRACTOR ATTACHMENTS, BLADE, POWER ANGLE, HYDRAULIC, FOR D4, 2.17 CY (ADD D4 TRACTOR)			\$13,078	2.22	0.72	1.05	0.19	0.00	24
	T10CA005	D4-PA 30B	TRACTOR ATTACHMENTS, POWER WINCH, W/ 250' CABLE, FOR D4 (ADD D4 TRACTOR)			\$17,812	2.98	0.97	1.42	0.26	0.00	21
	T10CA007	D5-A C	TRACTOR ATTACHMENTS, BLADE, POWER ANGLE, HYDRAULIC, FOR D5, 2.53 CY (ADD D5 TRACTOR)			\$15,214	2.56	0.83	1.22	0.22	0.00	26
	T10CA008	D5-PA 30B	TRACTOR ATTACHMENTS, POWER WINCH, W/ CABLE, FOR D5 (ADD D5 TRACTOR)			\$17,812	2.98	0.97	1.42	0.26	0.00	21
	T10CA009	D6-108-3970	TRACTOR ATTACHMENTS, BLADE, STRAIGHT, HYDRAULIC, FOR D6, 5.09 CY (ADD D6 TRACTOR)			\$23,986	3.99	1.31	1.92	0.35	0.00	58
	T10CA010	D6-108-3982	TRACTOR ATTACHMENTS, BLADE, POWER ANGLE, HYDRAULIC, FOR D6, 4.16 CY (ADD D6 TRACTOR)			\$22,398	3.73	1.23	1.79	0.33	0.00	60
	T10CA011	D6-PA56 WENCH	TRACTOR ATTACHMENTS, POWER WINCH, W/ CABLE, FOR D6 (ADD D6 TRACTOR)			\$28,026	4.65	1.53	2.24	0.41	0.00	4
	T10CA012	D7-S	TRACTOR ATTACHMENTS, BLADE, STRAIGHT, HYDRAULIC, FOR D7, 6.75 CY (ADD D7 TRACTOR)			\$36,839	6.09	2.02	2.95	0.54	0.00	77

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV) 2000 (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER		AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>T10</i>	<i>CATERPILLAR INC. (MACHINE DIVISION) (continued)</i>											
	T10CA013	D7-U	TRACTOR ATTACHMENTS, BLADE, UNIVERSAL, HYDRAULIC, FOR D7, 10.09 CY (ADD D7 TRACTOR)			\$40,435	6.67	2.21	3.23	0.59	0.00	86
	T10CA014	D7-A	TRACTOR ATTACHMENTS, BLADE, POWER ANGLE, HYDRAULIC, FOR D7, 5.08 CY (ADD D7 TRACTOR)			\$33,594	5.56	1.84	2.69	0.49	0.00	78
	T10CA015	D7-PA57 WINCH	TRACTOR ATTACHMENTS, POWER WINCH, W/ CABLE, FOR D7 (ADD D7 TRACTOR)			\$35,916	5.96	1.97	2.87	0.53	0.00	8
	T10CA016	D8-SU	TRACTOR ATTACHMENTS, BLADE, STRAIGHT, HYDRAULIC, FOR D8, 6.09 CY (ADD D8 TRACTOR)			\$44,289	7.34	2.42	3.54	0.65	0.00	96
	T10CA017	D8-U	TRACTOR ATTACHMENTS, BLADE, UNIVERSAL, HYDRAULIC, FOR D8, 15.30 CY (ADD D8 TRACTOR)			\$47,972	7.96	2.62	3.84	0.70	0.00	106
	T10CA018	D8-A	TRACTOR ATTACHMENTS, BLADE, POWER ANGLE, HYDRAULIC, FOR D8, 6.09 CY (ADD D8 TRACTOR)			\$42,351	7.04	2.32	3.39	0.62	0.00	108
	T10CA019		TRACTOR ATTACHMENTS, BLADE, PUSH PLATE, FOR D8 (ADD D8 TRACTOR)			\$1,185	0.24	0.07	0.09	0.02	0.00	5
	T10CA020	D8, PA58VS WINCH	TRACTOR ATTACHMENTS, POWER WINCH, W/ CABLE, FOR D8 (ADD D8 TRACTOR)			\$36,271	6.06	1.98	2.90	0.53	0.00	33
	T10CA021	D9-SU	TRACTOR ATTACHMENTS, BLADE, SEMI-U, HYDRAULIC, FOR D9, 17.70 CY (ADD D9 TRACTOR)			\$65,099	10.82	3.57	5.21	0.96	0.00	145
	T10CA022	D9-U	TRACTOR ATTACHMENTS, BLADE, UNIVERSAL, HYDRAULIC, FOR D9, 21.40 CY (ADD D9 TRACTOR)			\$70,665	11.72	3.87	5.65	1.04	0.00	158
	T10CA023	D9, PA59 WINCH	TRACTOR ATTACHMENTS, POWER WINCH, W/ CABLE, FOR D9 (ADD D9 TRACTOR)			\$45,843	7.68	2.51	3.67	0.67	0.00	5
	T10CA024	D10-SU	TRACTOR ATTACHMENTS, BLADE, SEMI-U, HYDRAULIC, FOR D10, 24.20 CY (ADD D10 TRACTOR)			\$90,207	15.01	4.94	7.22	1.33	0.00	244
	T10CA025	D10-U	TRACTOR ATTACHMENTS, BLADE, UNIVERSAL, HYDRAULIC, FOR D10, 28.70 CY (ADD D10 TRACTOR)			\$97,437	16.18	5.33	7.79	1.43	0.00	270
	T10CA026	D11-SU	TRACTOR ATTACHMENTS, BLADE, STRAIGHT, HYDRAULIC, FOR D11, 35.50 CY (ADD D11 TRACTOR)			\$139,019	23.08	7.60	11.12	2.04	0.00	367

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
T10	CATERPILLAR INC. (MACHINE DIVISION) (continued)											
	T10CA027	D11-U	TRACTOR ATTACHMENTS, BLADE, UNIVERSAL, HYDRAULIC, FOR D11, 45.00 CY (ADD D11 TRACTOR)			\$150,173	24.93	8.22	12.01	2.21	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)			\$10,372	1.96	0.55	0.80	0.15	0.00	17
	LELY PACIFIC, INC.											
	T10LE001	200-15	TRACTOR ATTACHMENTS, POWER HARROW, 80" WIDE ROTERRA ROTARY HOE (ADD 40 HP TRACTOR W/ PTO)			\$6,977	1.39	0.38	0.56	0.10	0.00	13
	T10LE002	250-15	TRACTOR ATTACHMENTS, POWER HARROW, 100" WIDE ROTERRA ROTARY HOE (ADD 45 HP TRACTOR W/ PTO)			\$7,882	1.54	0.44	0.63	0.12	0.00	15
	T10LE003	300-20	TRACTOR ATTACHMENTS, POWER HARROW, 120" WIDE ROTERRA ROTARY HOE (ADD 50 HP TRACTOR W/ PTO)			\$8,533	1.64	0.47	0.68	0.13	0.00	17
	T10LE004	350-35	TRACTOR ATTACHMENTS, POWER HARROW, 140" WIDE ROTERRA ROTARY HOE (ADD 60 HP TRACTOR W/ PTO)			\$14,555	2.62	0.79	1.16	0.21	0.00	27
	T10LE005	400-35	TRACTOR ATTACHMENTS, POWER HARROW, 160" WIDE ROTERRA ROTARY HOE (ADD 75 HP TRACTOR W/ PTO)			\$16,240	2.90	0.89	1.30	0.24	0.00	29
T15	TRACTORS, CRAWLER (DOZER) (includes blade)											
	SUBCATEGORY 0.01 0 THRU 225 HP											
	CATERPILLAR INC. (MACHINE DIVISION)											
	T15CA002	D-3C SERIES III LGP	TRACTOR, CRAWLER (DOZER), 70 HP, LOW GROUND PRESSURE, W/ 1.64 CY SEMI-U BLADE (ADD ATTACHMENTS)	70 HP	D-off	\$87,672	20.21	4.44	6.14	1.37	3.38	170
	T15CA020	D-4C SERIES III	TRACTOR, CRAWLER (DOZER), 80 HP, POWERSHIFT, W/ 2.18 CY SEMI-U BLADE (ADD ATTACHMENTS)	80 HP	D-off	\$90,960	21.43	4.61	6.37	1.42	3.86	161

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>T15</i>	<i>CATERPILLAR INC. (MACHINE DIVISION) (continued)</i>											
	T15CA005	D-4C SERIES III LGP	TRACTOR, CRAWLER (DOZER), 80 HP, LOW GROUND PRESSURE, W/ 2.18 CY SEMI-U BLADE (ADD ATTACHMENTS)	80 HP	D-off	\$102,980	23.59	5.22	7.21	1.61	3.86	171
	T15CA021	D-5C SERIES III	TRACTOR, CRAWLER (DOZER), 90 HP, POWERSHIFT, W/ 2.50 CY POWER ANGLE BLADE (ADD ATTACHMENTS)	90 HP	D-off	\$104,440	24.48	5.29	7.31	1.63	4.34	187
	T15CA022	D-5C SERIES III LGP	TRACTOR, CRAWLER (DOZER), 90 HP, LOW GROUND PRESSURE, W/ 2.50 CY POWER ANGLE BLADE (ADD ATTACHMENTS)	90 HP	D-off	\$113,791	26.17	5.77	7.97	1.78	4.34	196
	T15CA024	D-5M XL	TRACTOR, CRAWLER (DOZER), 100 HP, POWERSHIFT, W/ 3.37 CY SEMI-U BLADE (ADD ATTACHMENTS)	100 HP	D-off	\$144,337	32.29	7.31	10.10	2.26	4.82	270
	T15CA008	D-6M XL	TRACTOR, CRAWLER (DOZER), 140 HP, POWERSHIFT, W/ 5.60 CY SEMI-U BLADE (ADD ATTACHMENTS)	140 HP	D-off	\$186,027	42.33	9.42	13.02	2.91	6.75	321
	T15CA023	D-6R	TRACTOR, CRAWLER (DOZER), 165 HP, LOW GROUND PRESSURE, POWERSHIFT, W/ 5.09 CY SEMI-U BLADE (ADD ATTACHMENTS)	165 HP	D-off	\$207,740	47.82	10.52	14.54	3.25	7.96	409
	T15CA009	D-6R WHA	TRACTOR, CRAWLER (DOZER), 165 HP, W/ 14.3 CY BLADE, TRASH/WASTE HANDLING ARRANGEMENT	165 HP	D-off	\$279,659	60.76	14.17	19.58	4.38	7.96	434
	T15CA011	D-6R LGP	TRACTOR, CRAWLER (DOZER), 165 HP, LOW GROUND PRESSURE, W/ 5.09 CY SEMI-U BLADE (ADD ATTACHMENTS)	185 HP	D-off	\$246,744	56.10	12.50	17.27	3.86	8.92	364
	CASE CORPORATION											
	T15CS004	550H WT	TRACTOR, CRAWLER (DOZER), 67 HP, POWERSHIFT, W/ 1.90 CY UNIVERSAL BLADE (ADD ATTACHMENTS)	67 HP	D-off	\$94,232	21.19	4.77	6.60	1.47	3.23	146
	T15CS005	650H WT	TRACTOR, CRAWLER (DOZER), 80 HP, POWERSHIFT, W/ 2.50 CY UNIVERSAL BLADE (ADD ATTACHMENTS)	75 HP	D-off	\$96,573	22.13	4.89	6.76	1.51	3.62	168
	T15CS006	850H WT	TRACTOR, CRAWLER (DOZER), 89 HP, POWERSHIFT, W/ 2.60 CY UNIVERSAL BLADE (ADD ATTACHMENTS)	91 HP	D-off	\$119,615	27.28	6.06	8.37	1.87	4.39	187
	T15CS007	1150H WT	TRACTOR, CRAWLER (DOZER), 118 HP, POWERSHIFT, W/ 3.90 CY UNIVERSAL BLADE (ADD ATTACHMENTS)	119 HP	D-off	\$163,963	37.04	8.31	11.48	2.57	5.74	264

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
DEERE & COMPANY												
	T15JD005	450H LT	TRACTOR, CRAWLER (DOZER), 70 HP, POWERSHIFT, W/ 2.00 CY ANGLE BLADE (ADD ATTACHMENTS)	70 HP	D-off	\$74,480	17.84	3.78	5.21	1.17	3.38	155
	T15JD006	450H LGP	TRACTOR, CRAWLER (DOZER), 74 HP, LOW GROUND PRESSURE, W/ 2.15 CY ANGLE BLADE (ADD ATTACHMENTS)	74 HP	D-off	\$90,046	20.88	4.56	6.30	1.41	3.57	165
	T15JD007	650H	TRACTOR, CRAWLER (DOZER), 90 HP, POWERSHIFT, W/ 2.60 CY ANGLE BLADE (ADD ATTACHMENTS)	90 HP	D-off	\$100,620	23.79	5.09	7.04	1.57	4.34	185
	T15JD008	750C-II LT	TRACTOR, CRAWLER (DOZER), 140 HP, POWERSHIFT, W/ 5.60 CY ANGLE BLADE (ADD ATTACHMENTS)	140 HP	D-off	\$178,362	40.95	9.04	12.49	2.79	6.75	317
	T15JD009	750C-II LGP	TRACTOR, CRAWLER (DOZER), 140 HP, LOW GROUND PRESSURE, W/ 4.84 CY ANGLE BLADE (ADD ATTACHMENTS)	140 HP	D-off	\$190,639	43.15	9.65	13.34	2.98	6.75	365
	T15JD010	850C	TRACTOR, CRAWLER (DOZER), 185 HP, POWERSHIFT, W/ 7.44 CY SEMI-U BLADE (ADD ATTACHMENTS)	185 HP	D-off	\$215,140	50.42	10.90	15.06	3.37	8.92	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	\$264,387	59.28	13.40	18.51	4.14	8.92	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	\$91,252	20.86	4.63	6.39	1.43	3.38	123
	T15KM002	D37E-5	TRACTOR, CRAWLER (DOZER), 75 HP, HYDROSHIFT, W/ 1.95 CY POWER ANGLE BLADE	75 HP	D-off	\$100,109	22.77	5.08	7.01	1.57	3.62	149
	T15KM003	D58E-1B	TRACTOR, CRAWLER (DOZER), 130 HP, HYDROSHIFT, W/ 3.70 CY POWER ANGLE BLADE	130 HP	D-off	\$179,934	40.60	9.11	12.60	2.81	6.27	328
	T15KM013	D65EX-12	TRACTOR, CRAWLER (DOZER), 190 HP, POWERSHIFT, W/ 5.09 CY STRAIGHT TILL BLADE	190 HP	D-off	\$260,390	58.87	13.19	18.23	4.07	9.17	410
	T15KM007	D85E-21	TRACTOR, CRAWLER (DOZER), 225 HP, POWERSHIFT, W/ 6.80 CY STRAIGHT TILL BLADE	225 HP	D-off	\$340,999	75.58	17.27	23.87	5.33	10.85	624

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	SUBCATEGORY 0.02 226 HP THRU 425 HP											
	CATERPILLAR INC. (MACHINE DIVISION)											
	T15CA012	D-7R	TRACTOR, CRAWLER (DOZER), 230 HP, POWERSHIFT, W/ 6.75 CY SEMI-U BLADE (ADD ATTACHMENTS)	230 HP	D-off	\$340,148	67.26	15.28	20.41	5.07	11.10	552
	T15CA014	D-7R LGP	TRACTOR, CRAWLER (DOZER), 240 HP, LOW GROUND PRESSURE, W/ 6.75 CY STRAIGHT BLADE (ADD ATTACHMENTS)	240 HP	D-off	\$401,654	77.52	18.04	24.10	5.99	11.58	598
	T15CA016	D-8R	TRACTOR, CRAWLER (DOZER), 305 HP, POWERSHIFT, W/ 15.3 CY SEMI-U BLADE (ADD ATTACHMENTS)	305 HP	D-off	\$408,793	82.55	18.37	24.53	6.10	14.71	755
	T15CA017	D-9R	TRACTOR, CRAWLER (DOZER), 405 HP, POWERSHIFT, W/ 17.7 CY SEMI-U BLADE (ADD ATTACHMENTS)	405 HP	D-off	\$564,360	113.00	25.35	33.86	8.42	19.54	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	\$421,489	84.83	18.93	25.29	6.28	14.95	864
	T15KM012	D275A-2	TRACTOR, CRAWLER (DOZER), 405 HP, POWERSHIFT, W/ 16.7 CY SEMI-U BLADE	405 HP	D-off	\$628,232	123.03	28.22	37.69	9.37	19.54	1,118
	SUBCATEGORY 0.03 OVER 425 HP											
	CATERPILLAR INC. (MACHINE DIVISION)											
	T15CA018	D-10R	TRACTOR, CRAWLER (DOZER), 570 HP, POWERSHIFT, W/ 28.7 CY SEMI-U BLADE (ADD ATTACHMENTS)	570 HP	D-off	\$724,530	127.25	29.64	38.64	10.32	23.68	1,442
	T15CA019	D-11R	TRACTOR, CRAWLER (DOZER), 850 HP, POWERSHIFT, W/ 44.0 CY SEMI-U BLADE (ADD ATTACHMENTS)	850 HP	D-off	\$1,303,163	220.05	53.31	69.50	18.56	35.31	2,255
	Komatsu America International Company											
	T15KM014	D375A-2	TRACTOR, CRAWLER (DOZER), 525 HP, POWERSHIFT, W/ 24.2 CY SEMI-U BLADE	525 HP	D-off	\$882,434	146.47	36.10	47.06	12.57	21.81	1,472
	T15KM011	D475A-2	TRACTOR, CRAWLER (DOZER), 860 HP, POWERSHIFT, W/ 33.5 CY SEMI-U BLADE	860 HP	D-off	\$1,465,687	242.66	59.97	78.17	20.88	35.72	2,285

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
T20	TRACTORS, WHEEL TYPE (DOZER)											
	SUBCATEGORY 0.00 TRACTORS, WHEEL TYPE (DOZER)											
	CATERPILLAR INC. (MACHINE DIVISION)											
	T20CA001	814-B F	TRACTOR, WHEEL (DOZER), 220 HP, ARTICULATING, 4X4, W/ 3.77 CY STRAIGHT BLADE	220 HP	D-off	\$287,090	47.32	12.45	16.98	3.96	9.14	365
	T20CA002	824-G	TRACTOR, WHEEL (DOZER), 315 HP, ARTICULATING, 4X4, W/ 6.70 CY STRAIGHT BLADE	315 HP	D-off	\$423,960	70.92	18.29	24.88	5.85	13.09	690
	T20CA003	834-B	TRACTOR, WHEEL (DOZER), 450 HP, ARTICULATING, 4X4, W/ 13.70 CY STRAIGHT BLADE	450 HP	D-off	\$633,079	101.35	27.21	36.94	8.74	18.69	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	\$170,400	44.26	9.66	14.48	2.42	11.81	331
	T25CA007	CH 75E	TRACTOR, AGRICULTURAL, CRAWLER-RUBBER TRACK, 292 HP, 3 POINT HITCH	292 HP	D-off	\$187,104	48.53	10.61	15.90	2.66	12.91	341
	T25CA008	CH 85E	TRACTOR, AGRICULTURAL, CRAWLER-RUBBER TRACK, 353 HP, 3 POINT HITCH	353 HP	D-off	\$202,801	54.63	11.50	17.24	2.88	15.61	350
	SUBCATEGORY 0.20 WHEEL											
	DEERE & COMPANY											
	T25JD008	7410	TRACTOR, AGRICULTURAL, WHEEL, 105 HP, 4X4, PTO, 3 POINT HITCH	105 HP	D-off	\$56,873	17.30	3.77	5.87	0.83	4.64	74
	T25JD009	7710	TRACTOR, AGRICULTURAL, WHEEL, 135 HP, 4X4, PTO, 3 POINT HITCH	135 HP	D-off	\$56,978	18.97	3.77	5.88	0.83	5.97	89
	T25JD010	8100	TRACTOR, AGRICULTURAL, WHEEL, 165 HP, 4X4, PTO, 3 POINT HITCH	165 HP	D-off	\$90,627	27.59	5.94	9.23	1.32	7.30	179

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
T25	DEERE & COMPANY (continued)											
	T25JD014	8310	TRACTOR, AGRICULTURAL, WHEEL, 205 HP, PTO, 3 POINT HITCH	205 HP	D-off	\$124,472	36.46	8.23	12.83	1.81	9.07	170
	T25JD012	9200	TRACTOR, AGRICULTURAL, WHEEL, 310 HP, 4X4, PTO, 3 POINT HITCH	310 HP	D-off	\$132,261	45.53	8.05	12.23	1.93	13.71	310
	T25JD013	9400	TRACTOR, AGRICULTURAL, WHEEL, 425 HP, 4X4, PTO, 3 POINT HITCH	425 HP	D-off	\$170,837	59.45	10.65	16.32	2.49	18.79	338
T30	TRENCHERS, CHAIN TYPE CUTTER											
	SUBCATEGORY 0.00 TRENCHERS, CHAIN TYPE CUTTER											
	CASE CORPORATION											
	T30CS003	MAXI SNEAKER C	TRENCHER, CHAIN TYPE CUTTER, 36" DEEP, 6" WIDE, 4X4	37 HP	D-off	\$26,017	7.61	1.68	2.57	0.39	1.64	25
	T30CS004	360	TRENCHER, CHAIN TYPE CUTTER, 60" DEEP, 14" WIDE, 4X4, W/ BACKHOE & BLADE	30 HP	D-off	\$28,067	7.73	1.75	2.65	0.42	1.33	42
	T30CS005	460	TRENCHER, CHAIN TYPE CUTTER, 60" DEEP, 16" WIDE, 4X4X4, W/ BACKHOE & BLADE	33 HP	D-off	\$34,011	9.16	2.14	3.25	0.51	1.46	65
	T30CS006	560	TRENCHER, CHAIN TYPE CUTTER, 72" DEEP, 16" WIDE, 4X4X4, W/ BACKHOE & BLADE	46 HP	D-off	\$47,816	12.82	3.04	4.63	0.72	2.03	82
	T30CS007	660	TRENCHER, CHAIN TYPE CUTTER, 72" DEEP, 16" WIDE, 4X4X4, W/ BACKHOE & BLADE	56 HP	D-off	\$58,337	15.62	3.72	5.68	0.88	2.48	91
	T30CS008	860	TRENCHER, CHAIN TYPE CUTTER, 84" DEEP, 18" WIDE, 4X4X4, W/ BACKHOE & BLADE	79 HP	D-off	\$75,822	20.64	4.81	7.34	1.14	3.49	119
	DITCH WITCH(The Charles Machine Works)											
	T30DW012	1220	TRENCHER, CHAIN TYPE CUTTER, 36" DEEP X 6" WIDE, WALK BEHIND	13 HP	G	\$8,650	3.45	0.56	0.85	0.13	1.28	8
	T30DW013	1820	TRENCHER, CHAIN TYPE CUTTER, 48" DEEP X 16" WIDE, WALK BEHIND	18 HP	G	\$12,928	4.99	0.82	1.25	0.19	1.77	13
	T30DW014	3610	TRENCHER, CHAIN TYPE CUTTER, 60" DEEP X 16" WIDE, 4X4 (W/ BLADE)	35 HP	D-off	\$30,627	8.55	1.92	2.91	0.46	1.55	39
	T30DW005	3500	TRENCHER, CHAIN TYPE CUTTER, 63" DEEP X 12" WIDE, 4X4 (W/DBL PIVOT)	44 HP	D-off	\$32,932	9.54	2.07	3.14	0.50	1.95	42
	T30DW015	4500	TRENCHER, CHAIN TYPE CUTTER, 52" DEEP X 12" WIDE, 4X4 (W/ BLADE)	52 HP	D-off	\$44,508	12.44	2.82	4.29	0.67	2.30	45

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV) 2000 (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER		AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>T30</i>			<i>DITCH WITCH(The Charles Machine Works) (continued)</i>									
	T30DW016	5110	TRENCHER, CHAIN TYPE CUTTER, 80" DEEP X 24" WIDE, 4X4 (W/ BLADE)	53 HP	D-off	\$49,246	13.49	3.15	4.81	0.74	2.34	49
	T30DW017	7610	TRENCHER, CHAIN TYPE CUTTER, 90" DEEP X 24" WIDE, 4X4 (W/ BLADE)	74 HP	D-off	\$56,626	16.24	3.61	5.51	0.85	3.27	58
	T30DW018	8020	TRENCHER, CHAIN TYPE CUTTER, 90" DEEP X 30" WIDE, 4X4 (W/ BLADE)	78 HP	D-off	\$71,179	19.56	4.55	6.96	1.07	3.45	66
	T30DW011	HT100	TRENCHER, CHAIN TYPE CUTTER, 69" DEEP X 8" WIDE, 4X4 (W/BLADE,CWLR)	106 HP	D-off	\$147,980	37.42	9.63	14.80	2.23	4.69	158
	T30DW010	R100	TRENCHER, CHAIN TYPE CUTTER, 96" DEEP X 24" WIDE, 4X4 (W/BLADE)	106 HP	D-off	\$125,780	33.63	7.92	12.06	1.89	4.69	95
			TESMEC USA, INC.									
	T30TM001	TRS 900-A	TRENCHER, CHAIN TYPE CUTTER, 3' DEEP X 4'-8" WIDE, CRAWLER (W/ CRUMBSHOE)	185 HP	D-off	\$259,378	65.52	16.87	25.94	3.90	8.18	375
	T30TM004	TRS 900-A-SL	TRENCHER, CHAIN TYPE CUTTER, 3' DEEP X 4'-8" WIDE, CRAWLER (W/CRUMBSHOE) SELF LEVEL	185 HP	D-off	\$280,121	69.94	18.22	28.01	4.21	8.18	400
	T30TM009	TRS 1000-A	TRENCHER, CHAIN TYPE CUTTER, 4' DEEP X 5'-12" WIDE, CRAWLER (W/ CRUMBSHOE)	270 HP	D-off	\$366,849	93.12	23.86	36.68	5.52	11.94	550
	T30TM002	TRS 900-B	TRENCHER, CHAIN TYPE CUTTER, 4' DEEP X 12" WIDE, CRAWLER (W/ CRUMBSHOE)	185 HP	D-off	\$263,843	66.47	17.16	26.38	3.97	8.18	405
	T30TM005	TRS 900-B-SL	TRENCHER, CHAIN TYPE CUTTER, 4' DEEP X 12" WIDE, CRAWLER (W/CRUMBSHOE) SELF LEVEL	185 HP	D-off	\$294,591	73.03	19.16	29.46	4.43	8.18	430
	T30TM007	TRS 900-SLO	TRENCHER, CHAIN TYPE CUTTER, 4' DEEP X 12" WIDE, CRAWLER (W/CRUMBSHOE) SELF LEVEL, OFFSET	240 HP	D-off	\$354,197	88.77	23.04	35.42	5.33	10.61	450
	T30TM008	TRS 900-SLO	TRENCHER, CHAIN TYPE CUTTER, 6' DEEP X 18" WIDE, CRAWLER (W/CRUMBSHOE) SELF LEVEL, OFFSET	240 HP	D-off	\$367,894	91.69	23.93	36.79	5.53	10.61	470
	T30TM003	TRS 900-B	TRENCHER, CHAIN TYPE CUTTER, 8' DEEP X 24" WIDE, CRAWLER (W/ CRUMBSHOE)	185 HP	D-off	\$282,560	70.47	18.38	28.26	4.25	8.18	425
	T30TM006	TRS 900-B-SL	TRENCHER, CHAIN TYPE CUTTER, 8' DEEP X 24" WIDE, CRAWLER (W/CRUMBSHOE) SELF LEVEL	185 HP	D-off	\$316,445	77.69	20.58	31.64	4.76	8.18	450
	T30TM012	TRS 1100	TRENCHER, CHAIN TYPE CUTTER, 8' DEEP X 26" WIDE, CRAWLER (W/ CRUMBSHOE)	350 HP	D-off	\$484,531	122.64	31.52	48.45	7.29	15.48	850

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV) 2000 (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER		AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	T30	<i>TESMEC USA, INC. (continued)</i>										
	T30TM014	TRS 1300	TRENCHER, CHAIN TYPE CUTTER, 10' DEEP X 26" WIDE, CRAWLER (W/ CRUMBSHOE)	503 HP	D-off	\$740,286	185.62	48.16	74.03	11.14	22.24	1,550
	T30TM010	TRS 1000-B	TRENCHER, CHAIN TYPE CUTTER, 10' DEEP X 30" WIDE, CRAWLER (W/ CRUMBSHOE)	270 HP	D-off	\$409,553	102.24	26.64	40.96	6.16	11.94	650
	T30TM013	TRS 1300	TRENCHER, CHAIN TYPE CUTTER, 14' DEEP X 42" WIDE, CRAWLER (W/ CRUMBSHOE)	402 HP	D-off	\$755,973	183.40	49.17	75.60	11.37	17.78	1,550
	T30TM015	TRS 1300	TRENCHER, CHAIN TYPE CUTTER, 16' DEEP X 42" WIDE, CRAWLER (W/ CRUMBSHOE)	503 HP	D-off	\$783,163	194.77	50.94	78.32	11.78	22.24	1,550
	VERMEER MANUFACTURING CO.											
	T30VE007	T-455	TRENCHER, CHAIN TYPE CUTTER, 6' DEEP X 7.5"-24" WIDE, CRAWLER, HYDROSTATIC	85 HP	D-off	\$127,058	31.79	8.27	12.71	1.91	3.76	195
	T30VE008	T-555	TRENCHER, CHAIN TYPE CUTTER, 8' DEEP X 8"-24" WIDE, CRAWLER, HYDROSTATIC	140 HP	D-off	\$215,665	53.71	14.03	21.57	3.24	6.19	225
	T30VE009	T-655	TRENCHER, CHAIN TYPE CUTTER, 8' DEEP X 10"-24" WIDE, CRAWLER, HYDROSTATIC	180 HP	D-off	\$317,454	77.64	20.66	31.75	4.78	7.96	425
	T30VE010	T-755	TRENCHER, CHAIN TYPE CUTTER, 10' DEEP X 14"-36" WIDE, CRAWLER, HYDROSTATIC	250 HP	D-off	\$408,575	100.93	26.58	40.86	6.15	11.06	660
T35	TRENCHERS, WHEEL TYPE CUTTER											
	SUBCATEGORY 0.00 TRENCHERS, WHEEL TYPE CUTTER											
	CLEVELAND TRENCHER											
	T35CT001	9624	TRENCHER, WHEEL TYPE CUTTER, 72" DEEP, 21.5" WIDE, ROUND BUCKET, CRAWLER	140 HP	D-off	\$182,814	46.70	11.89	18.28	2.75	6.19	230
	T35CT002	9600-S	TRENCHER, WHEEL TYPE CUTTER, 72" DEEP, 24" WIDE, ROUND BUCKET, CRAWLER	140 HP	D-off	\$224,529	55.60	14.61	22.45	3.38	6.19	229
	T35CT003	246-FD	TRENCHER, WHEEL TYPE CUTTER, 84" DEEP, 24" WIDE, ROUND BUCKET, CRAWLER	185 HP	D-off	\$252,237	63.99	16.40	25.22	3.79	8.18	320
	T35CT005	7036-HD-2	TRENCHER, WHEEL TYPE CUTTER, 84" DEEP, 27.5" WIDE, ROUND BUCKET, CRAWLER	102 HP	D-off	\$235,946	55.94	15.35	23.59	3.55	4.51	282
	T35CT006	7036-3	TRENCHER, WHEEL TYPE CUTTER, 84" DEEP, 33.5" WIDE, ROUND BUCKET, CRAWLER	102 HP	D-off	\$224,597	53.53	14.61	22.46	3.38	4.51	263
	T35CT004	7036-HD	TRENCHER, WHEEL TYPE CUTTER, 84" DEEP, 36" WIDE, ROUND BUCKET, CRAWLER	102 HP	D-off	\$237,396	56.25	15.44	23.74	3.57	4.51	286

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV) 2000 (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER		AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	T35	CLEVELAND TRENCHER (continued)										
	T35CT007	7036-SD	TRENCHER, WHEEL TYPE CUTTER, 84" DEEP, 36" WIDE, ROUND BUCKET, CRAWLER	102 HP	D-off	\$248,571	58.64	16.17	24.86	3.74	4.51	340
	T35CT008	8700-2	TRENCHER, WHEEL TYPE CUTTER, 84" DEEP, 36" WIDE, ROUND BUCKET, CRAWLER	150 HP	D-off	\$316,609	75.79	20.59	31.66	4.76	6.63	425
	T35CT009	7648-SD	TRENCHER, WHEEL TYPE CUTTER, 90" DEEP, 48" WIDE, ROUND BUCKET, CRAWLER	150 HP	D-off	\$371,382	87.48	24.16	37.14	5.59	6.63	455
	T35CT010	7648-SD-4	TRENCHER, WHEEL TYPE CUTTER, 90" DEEP, 42" WIDE, ROUND BUCKET, CRAWLER	150 HP	D-off	\$369,459	87.07	24.04	36.95	5.56	6.63	497
	T35CT011	400W-HD	TRENCHER, WHEEL TYPE CUTTER, 108" DEEP, 72" WIDE, ROUND BUCKET, CRAWLER	175 HP	D-off	\$438,428	103.17	28.52	43.84	6.60	7.74	672
T40	TRUCK OPTIONS											
	SUBCATEGORY 0.10		CRANES / HOISTS, PERSONNEL & MATERIAL HANDLING									
	AUTO CRANE CO.											
	T40AH001	A50A	TRUCK OPTIONS, CRANE, HYDRAULIC, 3.5 TON, 32' BOOM (ADD 21,000 GVW TRUCK & FLATBED)			\$19,246	4.12	1.25	1.92	0.29	0.00	34
	T40AH002	A72A	TRUCK OPTIONS, CRANE, HYDRAULIC, 5.0 TON, 32' BOOM (ADD 26,000 GVW TRUCK & FLATBED)			\$23,020	4.88	1.50	2.30	0.35	0.00	44
	T40AH003	A95	TRUCK OPTIONS, CRANE, HYDRAULIC, 6.6 TON, 36' BOOM (ADD 32,500 GVW TRUCK & FLATBED)			\$32,844	6.85	2.13	3.28	0.49	0.00	63
	T40AH004	A125	TRUCK OPTIONS, CRANE, HYDRAULIC, 8.6 TON, 41' BOOM (ADD 46,000 GVW TRUCK & FLATBED)			\$36,670	7.63	2.39	3.67	0.55	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)			\$8,253	1.90	0.54	0.83	0.12	0.00	9
	T40PA002	PK 13000	TRUCK OPTIONS, CRANE, HYDRAULIC, 3-ARM ARTICULATING, 5.3 TON, 61' BOOM (ADD 28,000 GVW TRUCK & FLATBED)			\$25,232	5.31	1.64	2.52	0.38	0.00	35

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>T40</i>	<i>PALFINGER INC. (continued)</i>											
	T40PA003	PK 19000	TRUCK OPTIONS, CRANE, HYDRAULIC, 3-ARM ARTICULATING, 8.3 TON, 70' BOOM (ADD 30,000 GVW TRUCK & FLATBED)			\$35,838	7.47	2.33	3.58	0.54	0.00	51
	T40PA004	PK 27000	TRUCK OPTIONS, CRANE, HYDRAULIC, 3-ARM ARTICULATING, 9.0 TON, 69' BOOM (ADD 52,000 GVW TRUCK & FLATBED)			\$54,399	11.21	3.54	5.44	0.82	0.00	61
	T40PA005	PK 48000	TRUCK OPTIONS, CRANE, HYDRAULIC, 2-ARM ARTICULATING, 12.5 TON, 82' BOOM (ADD 60,000 GVW TRUCK & FLATBED)			\$78,665	16.10	5.12	7.87	1.18	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)			\$79,166	16.20	5.15	7.92	1.19	0.00	126
	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)			\$9,935	2.01	0.70	1.12	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)			\$4,280	0.86	0.30	0.48	0.06	0.00	21
	T40MY004	KLEENSIDE	TRUCK OPTIONS, DUMP BODY, REAR, 10.0 CY, AIR GATE (W/ HOIST) (ADD 35,000 GVW TRUCK)			\$6,150	1.24	0.44	0.69	0.09	0.00	31
	T40MY005	KLEENSIDE	TRUCK OPTIONS, DUMP BODY, REAR, 13.6 CY, AIR GATE (W/ HOIST) (ADD 35,000 GVW TRUCK)			\$8,737	1.76	0.61	0.98	0.12	0.00	33
	T40MY006	KLEENSIDE	TRUCK OPTIONS, DUMP BODY, REAR, 20.0 CY, AIR GATE (W/ HOIST) (ADD 50,000 GVW TRUCK)			\$9,937	2.01	0.70	1.12	0.14	0.00	40

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.30 FLATBEDS, WITH SIDES											
	KNAPHEIDE MANUFACTURING CO.											
	T40KF011		TRUCK OPTIONS, FLATBED, W/SIDE RACKS, 8' X 8'			\$3,148	0.56	0.21	0.31	0.05	0.00	11
	T40KF013		TRUCK OPTIONS, FLATBED, W/SIDE RACKS, 8' X 10'			\$3,342	0.60	0.22	0.33	0.05	0.00	14
	T40KF014		TRUCK OPTIONS, FLATBED, W/SIDE RACKS, 8' X 12'			\$3,587	0.64	0.23	0.36	0.05	0.00	16
	T40KF016		TRUCK OPTIONS, FLATBED, W/SIDE RACKS, 8' X 16'			\$4,306	0.77	0.28	0.43	0.06	0.00	16
	T40KF018		TRUCK OPTIONS, FLATBED, W/SIDE RACKS, 8' X 20'			\$5,196	0.94	0.34	0.52	0.08	0.00	18
	T40KF020		TRUCK OPTIONS, FLATBED, W/SIDE RACKS, 8' X 24'			\$6,044	1.08	0.39	0.60	0.09	0.00	20
	SUBCATEGORY 0.41 HOIST, ELECTRIC DRIVE											
	KNAPHEIDE MANUFACTURING CO.											
	T40KF021		TRUCK OPTIONS, HOIST, ELECTRIC DRIVE, PTO, 8' TO 14', 7 TON,			\$2,551	0.59	0.17	0.26	0.04	0.00	15
	T40KF023		TRUCK OPTIONS, HOIST, ELECTRIC DRIVE, 16' TO 24', 7 TON			\$3,337	0.68	0.22	0.33	0.05	0.00	4
	T40KF024		TRUCK OPTIONS, HOIST, ELECTRIC DRIVE, 16' TO 24', 14 TON			\$3,895	0.79	0.26	0.39	0.06	0.00	6
	T40KF022		TRUCK OPTIONS, HOIST, ELECTRIC DRIVE, PTO, 16' TO 24', 20 TON			\$4,938	1.03	0.32	0.49	0.07	0.00	18
	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	\$148,758	44.99	10.08	15.81	2.17	12.33	266
	T40XX035	RDTM-9	TRUCK OPTIONS, TRANSIT MIXER, 9.0 CY, HYDROSTATIC, 100 GAL, (ADD 66,000 GVW TRUCK)	250 HP	D-on	\$148,900	46.02	10.08	15.82	2.17	13.12	270

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
T40	NO SPECIFIC MANUFACTURER (continued)											
	T40XX036	RDTM-10	TRUCK OPTIONS, TRANSIT MIXER, 10.0 CY, HYDROSTATIC, 100 GAL, (ADD 66,000 GVW TRUCK)	285 HP	D-on	\$149,012	48.39	10.09	15.83	2.17	14.95	274
	T40XX037	RDTM-11	TRUCK OPTIONS, TRANSIT MIXER, 11.0 CY, HYDROSTATIC, 100 GAL, (ADD 70,000 GVW TRUCK)	285 HP	D-on	\$149,219	48.44	10.11	15.85	2.18	14.95	285
	T40XX038	RDTM-12	TRUCK OPTIONS, TRANSIT MIXER, 12.0 CY, HYDROSTATIC, 100 GAL, (ADD 75,000 GVW TRUCK)	285 HP	D-on	\$149,430	48.48	10.12	15.88	2.18	14.95	295
	SUBCATEGORY 0.60 WATER TANKS											
	ROSCO MANUFACTURING CO.											
	T40RS001		TRUCK OPTIONS, WATER TANK, 2,000 GAL (ADD 28,000 GVW TRUCK)			\$17,998	3.13	1.13	1.69	0.28	0.00	38
	T40RS002		TRUCK OPTIONS, WATER TANK, 3,000 GAL (ADD 40,000 GVW TRUCK)			\$20,915	3.63	1.30	1.96	0.32	0.00	45
	T40RS003		TRUCK OPTIONS, WATER TANK, 4,000 GAL (ADD 50,000 GVW TRUCK)			\$23,071	4.01	1.44	2.16	0.36	0.00	55
	SUBCATEGORY 0.70 ALL OTHER OPTIONS											
	BRODERSON MANUFACTURING CORPORATION											
	T40BD001	MN-42-F	TRUCK OPTIONS, GUILLOTINE CONCRETE BREAKER, DEMOLITION 4' DIA PUNCH, FROST CHISEL, 14" LONG DEMOLITION BLADE OR 12" X 7" ASPHALT BLADE, 4X2	112 HP	D-off	\$91,476	23.86	5.93	9.09	1.38	4.95	105
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, CLAMHELL (ADD TOWING TRUCK)			\$25,578	5.02	1.32	1.94	0.35	0.00	152

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV) 2000 (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER		AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	T45	MIDLAND MANUFACTURING INC. (continued)										
	T45MY005	40' TC 3000	TRUCK TRAILER, BOTTOM DUMP, 21.0 CY, 30 TON, 40' TRIAXLE, CLAMSHELL (ADD TOWING TRUCK)			\$35,014	6.83	1.79	2.61	0.48	0.00	138
	T45MY006	38' MC 3000	TRUCK TRAILER, BOTTOM DUMP, 23.0 CY, 30 TON, 38' TRIAXLE, CLAMSHELL (ADD TOWING TRUCK)			\$35,934	6.98	1.84	2.69	0.49	0.00	145
	T45MY007	40' MC 3000	TRUCK TRAILER, BOTTOM DUMP, 23.0 CY, 30 TON, 40' TRIAXLE, CLAMSHELL (ADD TOWING TRUCK)			\$34,762	6.79	1.77	2.58	0.48	0.00	152
	NO SPECIFIC MANUFACTURER											
	T45XX001		TRUCK TRAILER, BOTTOM DUMP, 27 TON (ADD TOWING TRUCK)			\$32,675	6.15	1.79	2.68	0.45	0.00	122
	T45XX003		TRUCK TRAILER, BOTTOM DUMP, 30 TON (ADD TOWING TRUCK)			\$37,553	6.96	2.08	3.12	0.52	0.00	160
	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)			\$27,688	5.37	1.45	2.13	0.38	0.00	115
	T45MY016	32' ST 2400	TRUCK TRAILER, END DUMP, 28 CY, 36 TON, 2 AXLE (W/ HOIST) (ADD TOWING TRUCK)			\$28,128	5.44	1.48	2.17	0.39	0.00	130
	T45MY017	39' SK 2300	TRUCK TRAILER, END DUMP, 39 CY, 50 TON, 3 AXLE (W/ HOIST) (ADD TOWING TRUCK)			\$31,011	6.17	1.56	2.25	0.43	0.00	170
	NO SPECIFIC MANUFACTURER											
	T45XX008		TRUCK TRAILER, END DUMP, 20 CY, 24 TON (ADD TOWING TRUCK)			\$26,057	4.96	1.40	2.08	0.36	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)			\$18,610	4.38	1.08	1.64	0.26	0.00	80

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
<i>T45</i>	<i>MIDLAND MANUFACTURING INC. (continued)</i>											
	T45MY019	14' SL 2100	TRUCK TRAILER, PUP TRAILER, 12 CY, 15 TON, 2 AXLE (W/ HOIST) (ADD TOWING TRUCK)			\$18,456	4.35	1.07	1.62	0.26	0.00	80
	NO SPECIFIC MANUFACTURER											
	T45XX009		TRUCK TRAILER, PUP TRAILER, 8 CY, LONG TONGUE (ADD TOWING TRUCK)			\$27,535	5.98	1.78	2.77	0.39	0.00	86
	T45XX010		TRUCK TRAILER, PUP TRAILER, 10 CY, LONG TONGUE (ADD TOWING TRUCK)			\$28,133	6.09	1.82	2.83	0.40	0.00	86
	T45XX032		TRUCK TRAILER, PUP TRAILER, 13 CY, 14.5 T, 3 AXLE (ADD TOWING TRUCK)			\$35,358	7.27	2.49	3.98	0.50	0.00	92
	T45XX033		TRUCK TRAILER, PUP TRAILER, 16 CY, 18.0 T, 4 AXLE (ADD TOWING TRUCK)			\$41,723	8.58	2.94	4.69	0.59	0.00	100
	SUBCATEGORY 0.41	LOWBOY, RIGID NECK, DROP DECK										
	EAGER BEAVER											
	T45EA006	GSL	TRUCK TRAILER, LOWBOY, 35 TON, DETATCHABLE GOOSENECK, 2 AXLE, 8'6"W X 22' L (ADD TOWING TRUCK)			\$28,855	5.60	1.43	2.06	0.40	0.00	150
	T45EA007	50GSL/3	TRUCK TRAILER, LOWBOY, 50 TON, DETATCHABLE GOOSENECK, 3 AXLE, 8'6"W X 24' L (ADD TOWING TRUCK)			\$46,082	8.57	2.31	3.35	0.63	0.00	205
	NO SPECIFIC MANUFACTURER											
	T45XX011		TRUCK TRAILER, LOWBOY, 25 TON, 2 AXLE (ADD TOWING TRUCK)			\$27,588	4.83	1.51	2.25	0.38	0.00	95
	T45XX012		TRUCK TRAILER, LOWBOY, 30 TON, 2 AXLE (ADD TOWING TRUCK)			\$29,229	5.07	1.60	2.40	0.40	0.00	115
	T45XX013		TRUCK TRAILER, LOWBOY, 35 TON, 2 AXLE (ADD TOWING TRUCK)			\$30,696	5.34	1.67	2.50	0.42	0.00	110
	T45XX014		TRUCK TRAILER, LOWBOY, 35 TON, 3 AXLE (ADD TOWING TRUCK)			\$37,523	6.59	2.04	3.03	0.52	0.00	127
	T45XX015		TRUCK TRAILER, LOWBOY, 40 TON, 3 AXLE (ADD TOWING TRUCK)			\$38,384	6.70	2.08	3.10	0.53	0.00	136
	T45XX016		TRUCK TRAILER, LOWBOY, 50 TON, 3 AXLE (ADD TOWING TRUCK)			\$42,936	7.45	2.33	3.47	0.59	0.00	145

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
T45	NO SPECIFIC MANUFACTURER (continued)											
	T45XX017		TRUCK TRAILER, LOWBOY, 60 TON, 3 AXLE (ADD TOWING TRUCK)			\$45,615	7.98	2.45	3.63	0.63	0.00	175
	T45XX018		TRUCK TRAILER, LOWBOY, 70 TON, 3 AXLE (ADD TOWING TRUCK)			\$47,876	8.31	2.58	3.83	0.66	0.00	213
	T45XX019		TRUCK TRAILER, LOWBOY, 75 TON, 3 AXLE (ADD TOWING TRUCK)			\$52,414	8.97	2.84	4.24	0.72	0.00	220
	T45XX020		TRUCK TRAILER, LOWBOY, 80 TON, 4 AXLE (ADD TOWING TRUCK)			\$52,567	9.18	2.82	4.20	0.72	0.00	268
	T45XX021		TRUCK TRAILER, LOWBOY, 90 TON, 4 AXLE (ADD TOWING TRUCK)			\$55,169	9.57	2.98	4.44	0.76	0.00	293
	T45XX022		TRUCK TRAILER, LOWBOY, 100 TON, 4 AXLE (ADD TOWING TRUCK)			\$62,612	10.83	3.36	5.00	0.86	0.00	312
	T45XX023		TRUCK TRAILER, LOWBOY, 120 TON, 4 AXLE (ADD TOWING TRUCK)			\$75,026	12.90	4.01	5.96	1.03	0.00	350
	SUBCATEGORY 0.50 FLATBED TRAILER											
	NO SPECIFIC MANUFACTURER											
	T45XX025		TRUCK TRAILER, FLATBED, 25 TON, 2 AXLE (ADD TOWING TRUCK)			\$25,658	4.29	1.37	2.04	0.35	0.00	110
	T45XX034	32	TRUCK TRAILER, FLATBED, 40 TON, 32.0 ft, 2 AXLE (ADD TOWING TRUCK)			\$25,609	4.15	1.50	2.30	0.35	0.00	103
	T45XX035	40	TRUCK TRAILER, FLATBED, 40 TON, 40.0 ft, 2 AXLE (ADD TOWING TRUCK)			\$27,204	4.39	1.60	2.45	0.37	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)			\$14,723	2.77	0.80	1.19	0.20	0.00	62
	T45XX027		TRUCK TRAILER, MISCELLANEOUS/UTILITY, TILT BED, 16 TON, 2 AXLE (ADD TOWING TRUCK)			\$16,684	3.15	0.89	1.31	0.23	0.00	65
	T45XX028		TRUCK TRAILER, MISCELLANEOUS/UTILITY, TILT BED, 20 TON, 2 AXLE (ADD TOWING TRUCK)			\$19,272	3.63	1.02	1.49	0.27	0.00	67

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
T45	NO SPECIFIC MANUFACTURER (continued)											
	T45XX024		TRUCK TRAILER, MISCELLANEOUS/UTILITY, ATTACHMENT, HELPER DOLLY, 60 TON TRAILER MAX (ADD TOWING TRUCK)			\$23,975	4.04	1.28	1.89	0.33	0.00	62
	SUBCATEGORY 0.70		WATER TANKER TRAILER									
	NO SPECIFIC MANUFACTURER											
	T45XX029		TRUCK TRAILER, WATER TANKER, 4000 GAL, W/ PUMP (ADD TOWING TRUCK)	63 HP	D-off	\$67,555	13.15	3.49	4.93	1.02	2.79	170
	T45XX030		TRUCK TRAILER, WATER TANKER, 5000GAL, W/ PUMP (ADD TOWING TRUCK)	63 HP	D-off	\$69,148	13.60	3.51	4.92	1.05	2.79	240
	T45XX031		TRUCK TRAILER, WATER TANKER, 6000 GAL, W/ PUMP (ADD TOWING TRUCK)	63 HP	D-off	\$83,178	15.58	4.25	5.97	1.26	2.79	250
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	120 HP	G	\$13,698	6.15	0.87	1.32	0.21	2.72	26
	T50GM004	R26	TRUCK, HIGHWAY, 8,600 GVW, 4X2, (SUBURBAN)	285 HP	G	\$34,011	14.69	2.19	3.35	0.51	6.46	50
	T50GM005	V26	TRUCK, HIGHWAY, 8,600 GVW, 4X4, (SUBURBAN)	285 HP	G	\$36,565	15.23	2.36	3.61	0.55	6.46	52
	NO SPECIFIC MANUFACTURER											
	T50XX001	4X2 1/2 130 CONV GAS	TRUCK, HIGHWAY, CONVENTIONAL, 1/2 TON PICKUP, 4X2	130 HP	G	\$13,666	6.52	0.85	1.28	0.21	2.94	43
	T50XX002	4X2 3/4 130 CONV GAS	TRUCK, HIGHWAY, CONVENTIONAL, 3/4 TON PICKUP, 4X2	130 HP	G	\$16,496	7.11	1.03	1.55	0.25	2.94	40
	T50XX003	4X2 1 180 CONV GAS	TRUCK, HIGHWAY, CONVENTIONAL, 1 TON PICKUP, 4X2	180 HP	G	\$18,784	8.97	1.18	1.79	0.28	4.08	41
	T50XX004	4X4 1/2 130 CONV GAS	TRUCK, HIGHWAY, CONVENTIONAL, 1/2 TON PICKUP, 4X4	130 HP	G	\$16,560	7.14	1.04	1.57	0.25	2.94	43
	T50XX005	4X4 3/4 130 CONV GAS	TRUCK, HIGHWAY, CONVENTIONAL, 3/4 TON PICKUP, 4X4	130 HP	G	\$19,468	7.75	1.22	1.85	0.29	2.94	45

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
T50	NO SPECIFIC MANUFACTURER (continued)											
	T50XX006	4X4 1 180 CONV GAS	TRUCK, HIGHWAY, CONVENTIONAL, 1 TON PICKUP, 4X4	180 HP	G	\$20,175	9.30	1.26	1.92	0.30	4.08	45
	T50XX007	4X2 1/2 130 CREW GAS	TRUCK, HIGHWAY, CREW, 1/2 TON PICKUP, 4X2	130 HP	G	\$14,511	6.68	0.91	1.37	0.22	2.94	45
	T50XX008	4X2 3/4 130 CREW GAS	TRUCK, HIGHWAY, CREW, 3/4 TON PICKUP, 4X2	130 HP	G	\$17,490	7.29	1.09	1.65	0.26	2.94	47
	T50XX009	4X2 1 180 CREW GAS	TRUCK, HIGHWAY, CREW, 1 TON PICKUP, 4X2	180 HP	G	\$21,525	9.49	1.35	2.06	0.32	4.08	45
	T50XX010	4X4 1/2 130 CREW GAS	TRUCK, HIGHWAY, CREW, 1/2 TON PICKUP, 4X4	130 HP	G	\$19,677	7.74	1.24	1.88	0.30	2.94	48
	T50XX011	4X4 3/4 180 CREW GAS	TRUCK, HIGHWAY, CREW, 3/4 TON PICKUP, 4X4	180 HP	G	\$21,119	9.51	1.33	2.02	0.32	4.08	55
	T50XX012	4X4 1 180 CREW GAS	TRUCK, HIGHWAY, CREW, 1 TON PICKUP, 4X4	180 HP	G	\$22,157	9.68	1.39	2.12	0.33	4.08	45
	T50XX013	4X2 1/2 75 CONV DSL	TRUCK, HIGHWAY, CONVENTIONAL, 1/2 TON PICKUP, 4X2	75 HP	D-on	\$17,877	4.81	1.12	1.70	0.27	0.95	39
	T50XX014	4X2 3/4 75 CONV DSL	TRUCK, HIGHWAY, CONVENTIONAL, 3/4 TON PICKUP, 4X2	75 HP	D-on	\$19,830	5.24	1.25	1.89	0.30	0.95	40
	T50XX015	4X2 1 130 CONV DSL	TRUCK, HIGHWAY, CONVENTIONAL, 1 TON PICKUP, 4X2	130 HP	D-on	\$22,868	6.65	1.44	2.19	0.34	1.65	43
	T50XX016	4X4 1/2 130 CONV DSL	TRUCK, HIGHWAY, CONVENTIONAL, 1/2 TON PICKUP, 4X4	130 HP	D-on	\$21,307	6.39	1.35	2.05	0.32	1.65	43
	T50XX017	4X4 3/4 130 CONV DSL	TRUCK, HIGHWAY, CONVENTIONAL, 3/4 TON PICKUP, 4X4	130 HP	D-on	\$21,505	6.48	1.35	2.05	0.32	1.65	45
	T50XX018	CONV DSL 4X4 1 130	TRUCK, HIGHWAY, CONVENTIONAL, 1 TON PICKUP, 4X4	130 HP	D-on	\$25,741	7.28	1.63	2.48	0.39	1.65	49
	T50XX019	4X2 3/4 130 CREW DSL	TRUCK, HIGHWAY, CREW, 3/4 TON PICKUP, 4X2	130 HP	D-on	\$20,548	6.23	1.29	1.96	0.31	1.65	47
	T50XX020	4X4 3/4 130 CREW DSL	TRUCK, HIGHWAY, CREW, 3/4 TON PICKUP 4X4	130 HP	D-on	\$24,853	7.12	1.57	2.39	0.37	1.65	55
	T50XX021	4X2 1 130 CREW DSL	TRUCK, HIGHWAY, CREW, 1 TON PICKUP, 4X2	130 HP	D-on	\$22,569	6.60	1.42	2.16	0.34	1.65	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)	210 HP	G	\$35,364	19.73	1.88	2.71	0.52	11.10	70

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV) 2000 (\$)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER		AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	T50	NO SPECIFIC MANUFACTURER (continued)										
	T50XX024	4X2 25KGVW GAS	TRUCK, HIGHWAY, 25,000 LBS GVW, 2 AXLE, 4X2 (CHASSIS ONLY-ADD OPTIONS)	210 HP	G	\$30,717	19.02	1.62	2.34	0.45	11.10	72
	T50XX022	4X2 25KGVW DSL	TRUCK, HIGHWAY, 25,000 LBS GVW, 2 AXLE, 4X2 (CHASSIS ONLY-ADD OPTIONS)	180 HP	D-on	\$44,887	13.46	2.40	3.47	0.66	5.15	88
	T50XX026	4X2 30KGVW DSL	TRUCK, HIGHWAY, 30,000 LBS GVW, 2 AXLE, 4X2 (CHASSIS ONLY-ADD OPTIONS)	210 HP	D-on	\$60,171	17.07	3.19	4.62	0.88	6.01	105
	T50XX025	4X4 30KGVW DSL	TRUCK, HIGHWAY, 30,000 LBS GVW, 2 AXLE, 4X4 (CHASSIS ONLY-ADD OPTIONS)	170 HP	D-on	\$59,219	15.62	3.15	4.55	0.87	4.87	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)	265 HP	D-on	\$95,751	26.58	4.50	6.22	1.39	10.96	126
	T50XX028	6X4 45KGVW DSL	TRUCK, HIGHWAY, 45,000 LBS GVW, 2 AXLE, 6X4 (CHASSIS ONLY-ADD OPTIONS)	230 HP	D-on	\$95,898	25.15	4.47	6.15	1.39	9.51	135
	T50XX029	6X4 55KGVW DSL	TRUCK, HIGHWAY, 50,000 LBS GVW, 2 AXLE, 6X4 (CHASSIS ONLY-ADD OPTIONS)	310 HP	D-on	\$88,319	28.31	4.11	5.65	1.28	12.82	144
	T50XX030	6X6 70KGVW DSL	TRUCK, HIGHWAY, 70,000 LBS GVW, 2 AXLE, 6X6 (CHASSIS ONLY-ADD OPTIONS)	350 HP	D-on	\$112,961	33.51	5.28	7.29	1.63	14.47	180
	T50XX031	6X4 75KGVW DSL	TRUCK, HIGHWAY, 75,000 LBS GVW, 2 AXLE, 6X4 (CHASSIS ONLY-ADD OPTIONS)	400 HP	D-on	\$103,433	34.82	4.84	6.67	1.50	16.54	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	450 HP	D-off	\$552,753	79.84	18.79	22.64	7.47	10.85	740
	T55CA002	773D	TRUCK, OFF-HIGHWAY, RIGID FRAME, 46.9 CY, 57.7 TON, 4X4, REAR DUMP	650 HP	D-off	\$752,542	102.93	25.47	30.60	10.17	15.68	955
	T55CA003	777D	TRUCK, OFF-HIGHWAY, RIGID FRAME, 78.6 CY, 100 TON, 4X4, REAR DUMP	870 HP	D-off	\$1,133,384	151.04	38.39	46.16	15.31	20.98	1,542

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
Komatsu America International Company												
	T55KM009	HD325-6	TRUCK, OFF-HIGHWAY, RIGID FRAME, 31.4 CY, 44 TON, 4X4, REAR DUMP	488 HP	D-off	\$518,226	77.74	17.59	21.17	7.00	11.77	1,590
	T55KM010	HD465-5	TRUCK, OFF-HIGHWAY, RIGID FRAME, 44.7 CY, 61 TON, 4X4, REAR DUMP	715 HP	D-off	\$759,436	115.71	25.72	30.92	10.26	17.25	2,119
	T55KM011	HD605-5	TRUCK, OFF-HIGHWAY, RIGID FRAME, 52.3 CY, 67 TON, 4X4, REAR DUMP	715 HP	D-off	\$819,477	121.44	27.81	33.47	11.07	17.25	2,352
	T55KM012	HD785-5	TRUCK, OFF-HIGHWAY, RIGID FRAME, 78.7 CY, 100 TON, 4X4, REAR DUMP	1,082 HP	D-off	\$1,083,411	152.92	36.66	44.03	14.64	26.10	3,670
	T55KM013	HD1500-5	TRUCK, OFF-HIGHWAY, RIGID FRAME, 102 CY, 165 TON, 4X4, REAR DUMP	1,486 HP	D-off	\$1,799,332	247.60	60.66	72.70	24.31	35.84	5,500
	T55KM014	730E	TRUCK, OFF-HIGHWAY, RIGID FRAME, 145 CY, 205 TON, 4X4, REAR DUMP	2,000 HP	D-off	\$2,125,222	309.39	71.05	84.68	28.71	48.24	7,150
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	\$326,669	60.24	14.86	20.64	4.54	9.06	471
	T55CA009	D30D	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 22 CY, 30 TON, 4X4, REAR DUMP	285 HP	D-off	\$383,819	70.48	17.42	24.18	5.33	9.93	519
	T55CA010	D250D SERIES II	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 18 CY, 25 TON, 6X6, REAR DUMP	214 HP	D-off	\$331,640	60.18	15.07	20.91	4.61	7.46	424
	T55CA011	D300E SERIES II	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 22 CY, 30 TON, 6X6, REAR DUMP	260 HP	D-off	\$392,090	72.10	17.78	24.65	5.45	9.06	488
	T55CA012	D350E SERIES II	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 25 CY, 35 TON, 6X6, REAR DUMP	285 HP	D-off	\$461,228	82.23	21.00	29.17	6.41	9.93	599
	T55CA013	D400E SERIES II	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 28 CY, 40 TON, 6X6, REAR DUMP	385 HP	D-off	\$469,196	90.84	21.21	29.37	6.52	13.41	653
DEERE & COMPANY												
	T55JD001	250C	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 18 CY, 25 TON, 6X6, REAR DUMP	237 HP	D-off	\$255,173	52.94	11.39	15.69	3.54	8.26	355
	T55JD002	300C	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 22 CY, 29 TON, 6X6, REAR DUMP	251 HP	D-off	\$294,393	58.73	13.22	18.26	4.09	8.74	401
	T55JD003	350C	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 25 CY, 35 TON, 6X6, REAR DUMP	335 HP	D-off	\$389,884	78.49	17.48	24.11	5.42	11.67	571

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
T55	DEERE & COMPANY (continued)											
	T55JD004	400C	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 29 CY, 40 TON, 6X6, REAR DUMP	410 HP	D-off	\$437,594	91.17	19.53	26.89	6.08	14.28	635
	Komatsu America International Company											
	T55KM015	HM350-1	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 35.7 TON, 19.1-25.9 CY, 6 X 6 X 2, REAR DUMP	389 HP	D-off	\$470,113	91.35	21.21	29.36	6.53	13.55	630
	T55KM016	HM400-1	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 40.3 TON, 21.6-29.2 CY, 6 X 6 X 2, REAR DUMP	430 HP	D-off	\$539,955	105.61	24.29	33.58	7.50	14.98	668
	VOLVO CONSTRUCTION EQUIPMENT GROUP											
	T55VO002	A-25C	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 14-18 CY, 25 TON, REAR DUMP, 4X4	251 HP	D-off	\$262,274	52.53	11.80	16.32	3.64	8.74	348
	T55VO003	A-25C	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 14-18 CY, 25 TON, REAR DUMP, 6X6	251 HP	D-off	\$290,884	58.93	13.02	17.95	4.04	8.74	392
	T55VO005	A-30C	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 17-22 CY, 30 TON, REAR DUMP, 6X6	296 HP	D-off	\$337,412	62.46	15.38	21.37	4.69	10.31	461
	T55VO004	A-35C	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 19-25 CY, 35 TON, REAR DUMP, 6X6	322 HP	D-off	\$437,044	81.43	19.82	27.49	6.07	11.22	567
	T55VO006	A-40	TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 21-29 CY, 40 TON, REAR DUMP, 6X6	395 HP	D-off	\$482,189	93.67	21.75	30.10	6.70	13.76	660
T56	TRUCKS, OFF-HIGHWAY/PRIME MOVER TRACTORS & WAGONS											
	SUBCATEGORY 0.10 PRIME MOVER TRACTORS											
	CATERPILLAR INC. (MACHINE DIVISION)											
	T56CA006	776D	TRUCK, OFF-HIGHWAY, PRIME MOVER TRACTOR, 4X4, RIGID FRAME	938 HP	D-off	\$1,058,949	150.99	35.81	42.99	14.31	26.40	1,164

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
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	\$82,360	17.68	4.48	6.54	1.21	3.36	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	\$100,771	20.69	5.49	8.01	1.48	3.36	76
	T57CU003	2527	VACUUM, 5500 GAL, 2,100 CFM, TRAILER MTD, REAR DOOR & HYDRAULIC DUMP SYSTEM (ADD TOWING TRUCK)	115 HP	D-off	\$149,118	30.75	8.13	11.88	2.19	5.09	115
	T57CU004	3827	VACUUM, 5500 GAL, 3,170 CFM, TRAILER MTD, REAR DOOR & HYDRAULIC DUMP SYSTEM (ADD TOWING TRUCK)	177 HP	D-off	\$170,009	37.59	9.28	13.55	2.50	7.83	177
	T57CU005	5327	VACUUM, 5500 GAL, 4,550 CFM, TRAILER MTD, REAR DOOR & HYDRAULIC DUMP SYSTEM (ADD TOWING TRUCK)	335 HP	D-off	\$183,960	48.57	10.04	14.67	2.70	14.81	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	175 HP	D-off	\$214,895	40.90	9.97	13.72	3.11	7.74	320
	T60KI002	KT-60	TRUCK, WATER, OFF-HIGHWAY, 6000 GAL, W/ CAT 621E TRACTOR	330 HP	D-off	\$335,595	68.41	15.49	21.27	4.85	14.59	580
	T60KI003	KT-80	TRUCK, WATER, OFF-HIGHWAY, 8000 GAL, W/ CAT 631E TRACTOR	450 HP	D-off	\$542,667	104.73	25.17	34.63	7.85	19.90	751
	T60KI004	KT-100	TRUCK, WATER, OFF-HIGHWAY, 10000 GAL, W/ CAT 631E TRACTOR	450 HP	D-off	\$116,010	48.36	4.78	6.19	1.68	19.90	811
	T60KI006	KT-120	TRUCK, WATER, OFF-HIGHWAY, 12000 GAL, W/ CAT 651E TRACTOR	550 HP	D-off	\$659,475	126.26	30.71	42.34	9.54	24.32	1,097

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
SOUTHWEST CONSTRUCTION EQUIPMENT CO.												
	T60SO001	STT-60	TRUCK, WATER, OFF-HIGHWAY, 6000 GAL, W/ CAT 621E TRACTOR	330 HP	D-off	\$388,689	75.43	18.03	24.81	5.62	14.59	610
	T60SO002	STT-80	TRUCK, WATER, OFF-HIGHWAY, 8000 GAL, W/ CAT 631E TRACTOR	450 HP	D-off	\$539,810	104.93	24.98	34.33	7.81	19.90	812
	T60SO003	STT-100	TRUCK, WATER, OFF-HIGHWAY, 10000 GAL, W/ CAT 631E TRACTOR	450 HP	D-off	\$548,093	106.03	25.37	34.88	7.93	19.90	897
	T60SO004	STT-120	TRUCK, WATER, OFF-HIGHWAY, 12000 GAL, W/ CAT 651E TRACTOR	550 HP	D-off	\$681,202	131.58	31.49	43.28	9.85	24.32	1,149
	T60SO005	STT-140	TRUCK, WATER, OFF-HIGHWAY, 14000 GAL, W/ CAT 651E TRACTOR	550 HP	D-off	\$692,636	133.10	32.05	44.05	10.02	24.32	1,184
W25 WATER & CO2 BLASTERS												
SUBCATEGORY 0.10 LOW PRESSURE, (< 5,000 PSI)												
SIoux STEAM CLEANER CORPORATION												
	W25SD001	513-5-E	WATER BLASTER, LOW PRESSURE, COLD WATER, 1400 PSI	5 HP	E	\$3,557	2.03	0.42	0.71	0.06	0.31	4
	W25SD005	514-4-G	WATER BLASTER, LOW PRESSURE, COLD WATER, 2500 PSI, 4 GPM	11 HP	G	\$4,802	4.09	0.56	0.96	0.08	1.58	4
	W25SD003	515-5-G	WATER BLASTER, LOW PRESSURE, COLD WATER, 3000 PSI	14 HP	G	\$5,496	4.92	0.64	1.10	0.09	2.01	5
	W25SD002	EN-140-H4-1800	WATER BLASTER, LOW PRESSURE, HOT WATER, 1800 PSI	3 HP	E	\$8,547	4.14	1.00	1.71	0.14	0.19	5
	W25SD004	370H	WATER BLASTER, LOW PRESSURE, HOT WATER, 3000 PSI, TRAILER MTD	23 HP	G	\$10,734	8.82	1.23	2.10	0.18	3.30	19
NO SPECIFIC MANUFACTURER												
	W25XX005	COLD 3/1000G	WATER BLASTER, LOW PRESSURE, COLD WATER, 700 PSI, 3 GPM	5 HP	G	\$1,643	1.62	0.20	0.33	0.03	0.72	4
	W25XX006	COLD 4/1000G	WATER BLASTER, LOW PRESSURE, COLD WATER, 1200 PSI, 3 GPM	5 HP	G	\$2,308	1.92	0.27	0.46	0.04	0.72	4
	W25XX007	COLD 4/2000G	WATER BLASTER, LOW PRESSURE, COLD WATER, 2000 PSI, 4 GPM	8 HP	G	\$3,116	2.80	0.36	0.62	0.05	1.15	2
	W25XX008	COLD 4/3000G	WATER BLASTER, LOW PRESSURE, COLD WATER, 3000 PSI, 4 GPM	11 HP	G	\$3,216	3.36	0.37	0.64	0.05	1.58	6

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>W25</i>	<i>NO SPECIFIC MANUFACTURER (continued)</i>											
	W25XX009	HOT 4/1000G	WATER BLASTER, LOW PRESSURE, HOT WATER/STEAM, 1000 PSI, 4 GPM	8 HP	G	\$6,502	4.34	0.76	1.30	0.11	1.15	6
	W25XX010	HOT 6/3000G	WATER BLASTER, LOW PRESSURE, HOT WATER/STEAM, 3000 PSI, 6 GPM	24 HP	G	\$9,953	8.69	1.17	1.99	0.17	3.44	10
	SUBCATEGORY 0.20		HIGH PRESSURE, (>= 5,000 PSI)									
	NLB CORPORATION											
	W25NL001	6200E	WATER BLASTER, HIGH PRESSURE, 50 GPM @ 6000 PSI	200 HP	E	\$60,552	45.47	7.07	12.11	1.01	12.35	118
	W25NL003	201536D	WATER BLASTER, HIGH PRESSURE, 13.2 GPM @ 20000 PSI, SKID, W/ 50 LF HOSE & CLEANING LANCE	150 HP	D-off	\$65,708	43.51	7.67	13.14	1.10	9.85	78
	W25NL002	20253D	WATER BLASTER, HIGH PRESSURE, 22 GPM @ 20000 PSI, SKID (ADD TRUCK, FLATBED TRAILER & WATER TANKER)	335 HP	D-off	\$102,400	76.08	11.95	20.48	1.71	22.00	140
	W25NL005	20600D	WATER BLASTER, HIGH PRESSURE, 53 GPM @ 20000 PSI, SKID (ADD TRUCK, FLATBED TRAILER & WATER TANKER)	700 HP	D-off	\$252,313	177.18	29.45	50.46	4.22	45.96	200
	W25NL004	4400	WATER BLASTER, HIGH PRESSURE, HYDRODEMOLITION UNIT CONCRETE BUSTER (ADD MODEL 20600D WATER BLASTER)	40 HP	D-off	\$135,375	67.17	15.58	26.62	2.27	2.63	80
	SUBCATEGORY 0.30		STEAM CLEANERS									
	ALKOTA CLEANING SYSTEMS, INC.											
	W25AO001	90	WATER BLASTER, STEAM CLEANER, 90 GPH, 200 PSI	1 HP	E	\$2,365	1.65	0.28	0.47	0.04	0.06	4
	W25AO002	120	WATER BLASTER, STEAM CLEANER, 130 GPH, 325 PSI	1 HP	E	\$2,900	2.15	0.34	0.58	0.05	0.06	4
	W25AO003	181	WATER BLASTER, STEAM CLEANER, 180 GPH, 250 PSI	2 HP	E	\$4,290	2.86	0.50	0.86	0.07	0.12	6
	W25AO004	240	WATER BLASTER, STEAM CLEANER, 240 GPH, 250 PSI	2 HP	E	\$4,146	3.04	0.49	0.83	0.07	0.12	6
	W25AO005	301T	WATER BLASTER, STEAM CLEANER, 300 GPH, 100 PSI	4 HP	E	\$8,833	5.85	1.04	1.77	0.15	0.25	10
	W25AO006	246	WATER BLASTER, STEAM GENERATOR, 100 PSI	1 HP	E	\$5,692	3.42	0.67	1.14	0.10	0.06	7

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
	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	\$65,538	20.49	5.39	8.74	1.02	0.91	34
	W25CJ002	P1500B	CARBON DIOXIDE (CO2) BLASTER, 1200 LBS/HR, SINGLE HOSE DELIVERY (ADD 65-150CFM COMPRESSOR)	24 HP	E	\$101,574	31.28	8.35	13.54	1.58	1.09	37
	W25CJ003	P3000B	CARBON DIOXIDE (CO2) BLASTER, 1200 LBS/HR, DUAL HOSE DELIVERY (ADD 65-200CFM COMPRESSOR)	24 HP	E	\$174,903	52.75	14.39	23.32	2.73	1.09	66
	SUBCATEGORY 0.50		WET ABRASIVE BLASTING SYSTEM (TORBO)									
	KEIZER TECHNOLOGIES AMERICAS, INC											
	W25KZ001	TORBO M120	WATER BLASTER, WET ABRASIVE BLASTER, 4.2 CFT, 170 PSI, (INCLUDES HOSES & NOZZLE, ADD 350 CFM AIR COMPRESSOR)	350 CFM	A	\$17,695	2.05	0.87	1.15	0.29	0.00	4
	W25KZ002	TORBO M120	WATER BLASTER, WET ABRASIVE BLASTER, 4.2 CFT, 170 PSI, W/MIX RUST INHIBITOR INJECTOR (INCLUDES HOSES & NOZZLE, ADD 350 CFM AIR COMPRESSOR)	350 CFM	A	\$19,594	2.27	0.96	1.27	0.32	0.00	4
	W25KZ003	LOC RESTORATION UNIT	WATER BLASTER, WET ABRASIVE BLASTER, 4.2 CFT, 170 PSI, W/ LOC RESTORATION UNIT (INCLUDES HOSES & NOZZLE, ADD 350 CFM AIR COMPRESSOR)	350 CFM	A	\$20,032	2.31	0.97	1.30	0.32	0.00	4
	W25KZ004	TORBO M320	WATER BLASTER, WET ABRASIVE BLASTER, 13.0 CFT, 170 PSI, (INCLUDES HOSES & NOZZLE, ADD 385 CFM AIR COMPRESSOR)	385 CFM	A	\$28,480	3.29	1.39	1.85	0.46	0.00	8
	W25KZ005	TORBO XL320	WATER BLASTER, WET ABRASIVE BLASTER, 13.0 CFT, 170 PSI, (INCLUDES HOSES & NOZZLE, ADD 385 CFM AIR COMPRESSOR)	385 CFM	A	\$33,639	3.89	1.64	2.19	0.54	0.00	8
	W25KZ006	TORBO XL320	WATER BLASTER, WET ABRASIVE BLASTER, 19.0 CFT, 170 PSI, (INCLUDES HOSES & NOZZLE, ADD 385 CFM AIR COMPRESSOR)	385 CFM	A	\$34,279	3.96	1.67	2.23	0.55	0.00	9

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
<i>W25</i>	<i>KEIZER TECHNOLOGIES AMERICAS, INC (continued)</i>											
	W25KZ007	TORBO XL320	WATER BLASTER, WET ABRASIVE BLASTER, 19.0 CFT, 170 PSI, W/MIX RUST INHIBITOR INJECTOR, (INCLUDES HOSES & NOZZLE, ADD 385 CFM AIR COMPRESSOR)	385 CFM	A	\$36,566	4.23	1.78	2.38	0.59	0.00	9
W30	WATER TANKS											
	SUBCATEGORY 0.10 PORTABLE WITH WHEELS											
	SOUTHWEST CONSTRUCTION EQUIPMENT CO.											
	W30SO001	EWT-8C	WATER TANK, PORTABLE, WHEEL, 8000 GAL, 10" PIPE	8 HP	G	\$42,641	6.41	2.00	2.75	0.62	0.79	130
	W30SO002	EWT-10C	WATER TANK, PORTABLE, WHEEL, 10000 GAL, 10" PIPE	8 HP	G	\$50,785	7.42	2.38	3.29	0.73	0.79	170
	W30SO003	EWT-12C	WATER TANK, PORTABLE, WHEEL, 12000 GAL, 10" PIPE	8 HP	G	\$55,266	7.98	2.60	3.59	0.80	0.79	185
	SUBCATEGORY 0.20 SKID MOUNTED											
	SOUTHWEST CONSTRUCTION EQUIPMENT CO.											
	W30SO004	WST-8	WATER TANK, SKID, 8000 GAL, 10" PIPE			\$27,132	3.20	1.30	1.81	0.39	0.00	107
	W30SO005	WST-10	WATER TANK, SKID, 10000 GAL, 10" PIPE			\$30,281	3.57	1.45	2.02	0.44	0.00	122
	W30SO006	WST-12	WATER TANK, SKID, 12000 GAL, 10" PIPE			\$34,924	4.12	1.68	2.33	0.51	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	11 HP	G	\$2,060	2.00	0.13	0.19	0.03	1.33	2
	W35XX021	GAS 225 AC/DC- CC	WELDER, ENGINE DRIVEN, GAS, AC/DC-CC, 225 AMP, 5-8 KW, TRAILER MTD	17 HP	G	\$5,417	3.51	0.33	0.49	0.08	2.05	6
	W35XX022	GAS 250 AC/DC- CC/CV	WELDER, ENGINE DRIVEN, GAS, AC/DC-CC/CV, 250 AMP, 9 KW, TRAILER MTD	18 HP	G	\$5,470	3.67	0.33	0.50	0.08	2.17	6

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 3			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES (\$/HR)		ADJUSTABLE ELEMENTS			CWT
	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	2000 (\$)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	
W35	<i>NO SPECIFIC MANUFACTURER (continued)</i>											
	W35XX023	GAS 300 DC-CC	WELDER, ENGINE DRIVEN, GAS, DC-CC, 300 AMP, 3 KW, TRAILER MTD	45 HP	G	\$9,078	8.31	0.56	0.83	0.14	5.44	14
	W35XX024	DIESEL 400 DC-CC/CV	WELDER, ENGINE DRIVEN, DIESEL, DC-CC/CV, 400 AMP, 2-10 KW, TRAILER MTD	48 HP	D-off	\$14,632	5.99	0.91	1.36	0.23	2.64	21
	W35XX025	DIESEL 500 DC-CC/CV	WELDER, ENGINE DRIVEN, DIESEL, DC-CC/CV, 500 AMP, 4 KW, TRAILER MTD	42 HP	D-off	\$16,334	5.90	1.01	1.51	0.25	2.31	18
	SUBCATEGORY 0.20		ELECTRIC DRIVEN									
	LINCOLN ELECTRIC COMPANY											
	W35LC018	SP-170T	WELDER, ELECTRIC DRIVEN, 170 AMP, WIRE FEEDER	5 HP	E	\$810	0.32	0.07	0.11	0.01	0.10	1
	W35LC010	LINCWELD 225/125	WELDER, ELECTRIC DRIVEN, 225 AMP, STICK	15 HP	E	\$468	0.49	0.04	0.06	0.01	0.29	1
	W35LC019	IDEAL ARC SP-225	WELDER, ELECTRIC DRIVEN, 250 AMP, WIRE FEEDER	11 HP	E	\$2,296	0.79	0.20	0.31	0.04	0.21	3
	W35LC011	IDEAL ARC R3R-300	WELDER, ELECTRIC DRIVEN, 300 AMP, STICK	27 HP	E	\$2,859	1.35	0.23	0.38	0.04	0.53	4
W35LC012	IDEAL ARC R3R-400	WELDER, ELECTRIC DRIVEN, 400 AMP, STICK	35 HP	E	\$2,877	1.55	0.23	0.38	0.04	0.68	5	
W35LC013	IDEAL ARC R3R-500	WELDER, ELECTRIC DRIVEN, 500 AMP, STICK	41 HP	E	\$2,866	1.71	0.23	0.38	0.04	0.80	5	
W35LC020	PROCUT 80	WELDER, ELECTRIC DRIVEN, CUTTING TORCH, 85 AMP, PLASMA	26 HP	E	\$3,528	1.47	0.30	0.47	0.06	0.51	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 3		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	0.51	0.06	0.00	0.00	0.00	0.00	0.33	0.90								
	A10AR002	1.27	0.15	0.00	0.20	0.00	0.00	0.82	2.44								
	A10RS003	8.71	1.34	7.33	1.55	0.43	0.05	7.10	26.51								
	A10RS004	9.01	1.39	7.33	1.55	0.43	0.05	7.34	27.10								
	A10RS005	9.37	1.44	7.33	1.55	0.43	0.05	7.64	27.81								
	A10RS006	9.73	1.50	7.33	1.55	0.43	0.05	7.93	28.52								
	A10RS007	8.90	1.37	7.33	1.55	0.43	0.05	7.26	26.89								
	A10RS008	16.13	2.48	10.37	2.19	0.68	0.08	13.14	45.07								
	A15	A15IA001	1.61	0.30	2.93	0.72	0.04	0.00	1.29	6.89							
A15IA002		3.51	0.65	5.75	1.42	0.04	0.00	2.79	14.16								
A15IA003		4.18	0.78	9.09	2.24	0.09	0.01	3.33	19.72								
A15IA004		4.18	0.78	9.09	2.24	0.09	0.01	3.33	19.72								
A15IA005		4.18	0.78	9.09	2.24	0.09	0.01	3.33	19.72								
A15IA006		9.22	1.71	15.68	3.86	0.18	0.02	7.35	38.02								
A15IA007		9.68	1.79	15.68	3.86	0.18	0.02	7.71	38.92								
A15IA008		7.29	1.36	17.51	4.31	0.18	0.02	5.81	36.48								
A15IA009		7.30	1.36	16.20	3.99	0.18	0.02	5.82	34.87								
A15IA010		13.09	2.42	20.90	5.15	0.18	0.02	10.42	52.18								
A15SR002		9.78	1.82	22.99	5.66	0.28	0.03	7.80	48.36								
A15SR004		1.12	0.21	4.08	1.01	0.04	0.00	0.89	7.35								
A15SR005		1.40	0.26	4.18	1.03	0.04	0.00	1.12	8.03								
A15SR006		1.04	0.20	3.97	0.98	0.04	0.00	0.83	7.06								
A15SR007		1.04	0.20	4.02	0.99	0.04	0.00	0.83	7.12								
A15SR008		2.29	0.43	6.43	1.58	0.09	0.01	1.82	12.65								
A15SR009		2.29	0.43	6.48	1.60	0.09	0.01	1.82	12.72								
A15SR010		4.22	0.79	12.02	2.96	0.18	0.02	3.37	23.56								
A15SR011		4.93	0.92	15.68	3.86	0.18	0.02	3.94	29.53								
A15SR012		4.85	0.91	15.68	3.86	0.18	0.02	3.87	29.37								
A15SR013		9.09	1.69	22.99	5.66	0.18	0.02	7.25	46.88								
A15SR014		9.03	1.69	22.99	5.66	0.36	0.04	7.20	46.97								
A15SR015		9.75	1.82	27.44	6.76	0.36	0.04	7.78	53.95								
A15XX019	0.70	0.13	3.40	0.96	0.04	0.00	0.56	5.79									
A15XX020	0.98	0.18	1.57	0.39	0.04	0.00	0.78	3.94									

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																
	A15XX021	0.93	0.17	5.66	1.59	0.04	0.00	0.74	9.13								
	A15XX022	1.09	0.20	1.83	0.45	0.04	0.00	0.87	4.48								
	A15XX023	0.99	0.19	7.36	2.07	0.04	0.00	0.79	11.44								
	A15XX024	1.15	0.21	2.61	0.64	0.04	0.00	0.92	5.57								
	A15XX025	1.05	0.20	6.80	1.91	0.04	0.00	0.84	10.84								
	A15XX026	1.41	0.26	3.66	0.90	0.04	0.00	1.12	7.39								
	A15XX027	1.13	0.21	10.19	2.87	0.04	0.00	0.90	15.34								
	A15XX028	1.45	0.27	3.92	0.97	0.04	0.00	1.16	7.81								
	A15XX029	1.21	0.23	7.93	2.23	0.04	0.00	0.97	12.61								
	A15XX030	2.16	0.40	4.96	1.22	0.04	0.00	1.72	10.50								
	A15XX031	2.51	0.47	5.75	1.42	0.04	0.00	2.00	12.19								
	A15XX032	2.61	0.49	5.85	1.44	0.09	0.01	2.08	12.57								
	A15XX033	3.18	0.60	7.84	1.93	0.18	0.02	2.54	16.29								
	A15XX034	4.68	0.88	10.45	2.57	0.18	0.02	3.73	22.51								
	A15XX035	4.99	0.93	13.07	3.22	0.18	0.02	3.98	26.39								
	A15XX036	5.39	1.01	16.20	3.99	0.18	0.02	4.30	31.09								
	A15XX037	5.94	1.11	13.59	3.35	0.18	0.02	4.73	28.92								
	A15XX038	8.87	1.65	16.98	4.18	0.18	0.02	7.07	38.95								
	A15XX039	9.26	1.72	20.64	5.08	0.24	0.03	7.38	44.35								
	A15XX040	9.81	1.82	22.21	5.47	0.24	0.03	7.81	47.39								
A15XX041	0.42	0.08	0.24	0.10	0.00	0.00	0.27	1.11									
A15XX042	0.45	0.09	0.34	0.13	0.00	0.00	0.29	1.30									
A15XX043	0.45	0.09	0.49	0.19	0.00	0.00	0.29	1.51									
A15XX044	0.55	0.11	0.73	0.29	0.00	0.00	0.36	2.04									
A15XX045	0.72	0.14	1.22	0.48	0.00	0.00	0.46	3.02									
A15XX046	0.80	0.16	1.46	0.58	0.00	0.00	0.52	3.52									
A20	A20CK001	0.25	0.02	0.00	0.00	0.00	0.00	0.36	0.63								
	A20CK002	0.14	0.01	0.00	0.00	0.00	0.00	0.20	0.35								
	A20CK003	0.28	0.03	0.00	0.00	0.00	0.00	0.39	0.70								
	A20CK005	0.33	0.03	0.00	0.00	0.00	0.00	0.46	0.82								
	A20CK006	0.20	0.02	0.00	0.00	0.00	0.00	0.28	0.50								
	A20CK008	0.20	0.02	0.00	0.00	0.00	0.00	0.29	0.51								
	A20CK010	0.22	0.02	0.00	0.00	0.00	0.00	0.32	0.56								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																
	A20CM010	0.48	0.05	0.00	0.06	0.00	0.00	0.67	1.26								
	A20CM011	0.53	0.05	0.00	0.06	0.00	0.00	0.75	1.39								
	A20CM012	0.58	0.06	0.00	0.13	0.00	0.00	0.81	1.58								
	A20CM013	2.33	0.24	0.00	0.28	0.14	0.02	3.30	6.31								
	A20CM014	2.63	0.28	0.00	0.41	0.30	0.04	3.76	7.42								
	A20CM015	2.90	0.31	0.00	0.50	0.24	0.03	4.12	8.10								
	A20CM016	1.96	0.19	0.00	0.30	0.00	0.00	2.78	5.23								
	A20CM017	0.13	0.01	0.00	0.00	0.00	0.00	0.20	0.34								
	A20CM018	0.18	0.01	0.00	0.00	0.00	0.00	0.26	0.45								
	A20CM019	0.22	0.01	0.00	0.00	0.00	0.00	0.32	0.55								
	A20CM020	0.19	0.01	0.00	0.00	0.00	0.00	0.29	0.49								
	A20WC002	0.21	0.02	0.08	0.17	0.00	0.00	0.30	0.78								
	A20WC004	0.57	0.06	0.39	0.11	0.00	0.00	0.81	1.94								
	A20XX001	0.33	0.02	0.00	0.00	0.00	0.00	0.44	0.79								
	A20XX002	0.38	0.02	0.00	0.00	0.00	0.00	0.51	0.91								
	A20XX003	0.47	0.03	0.00	0.00	0.00	0.00	0.63	1.13								
	A20XX004	0.62	0.04	0.00	0.00	0.00	0.00	0.83	1.49								
	A20XX005	0.88	0.05	0.00	0.00	0.00	0.00	1.17	2.10								
	A20XX006	1.07	0.06	0.00	0.00	0.00	0.00	1.43	2.56								
	A20XX007	1.32	0.08	0.00	0.00	0.00	0.00	1.77	3.17								
	A20XX008	1.77	0.11	0.00	0.00	0.00	0.00	2.37	4.25								
	A20XX021	0.15	0.02	0.00	0.00	0.00	0.00	0.22	0.39								
	A20XX022	0.19	0.02	0.00	0.00	0.00	0.00	0.27	0.48								
	A20XX023	0.24	0.02	0.00	0.00	0.00	0.00	0.34	0.60								
A20XX024	0.26	0.03	0.00	0.00	0.00	0.00	0.36	0.65									
A20XX025	0.35	0.03	0.00	0.00	0.00	0.00	0.49	0.87									
A25	A25RS006	6.54	0.64	0.00	1.16	0.00	0.00	5.35	13.69								
	A25RS008	7.53	0.74	0.00	1.80	0.00	0.00	6.16	16.23								
	A25XX001	6.53	0.64	0.00	0.64	0.00	0.00	5.34	13.15								
	A25XX002	7.63	0.75	0.00	1.51	0.00	0.00	6.24	16.13								
	A25XX003	8.34	0.82	0.00	2.09	0.00	0.00	6.82	18.07								
A30	A30BG003	32.12	4.54	8.39	3.57	2.21	0.28	32.87	83.98								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																
	A30BG004	29.37	4.03	5.84	2.94	0.00	0.00	29.92	72.10								
	A30BG005	35.37	4.85	8.35	3.56	0.00	0.00	36.04	88.17								
	A30BG007	27.75	3.86	5.16	2.77	0.92	0.11	28.33	68.90								
	A30BG008	21.88	3.06	5.16	1.27	0.92	0.11	22.35	54.75								
	A30BG009	30.83	4.32	7.38	1.82	1.67	0.21	31.51	77.74								
	A30BK010	14.13	1.98	2.27	0.56	0.72	0.09	14.44	34.19								
	A30BK011	22.86	3.19	5.16	1.27	0.92	0.11	23.35	56.86								
	A30BK013	27.34	3.82	6.99	1.72	1.26	0.16	27.92	69.21								
	A30BK015	31.41	4.39	8.88	2.19	1.57	0.20	32.09	80.73								
	A30BK017	33.80	4.64	8.88	2.19	0.00	0.00	34.44	83.95								
	A30BK018	34.35	4.71	8.88	2.19	0.00	0.00	35.00	85.13								
	A30BK019	20.41	2.83	5.07	1.25	0.46	0.06	20.83	50.91								
	A30BK020	26.39	3.65	8.35	2.06	0.51	0.06	26.92	67.94								
	A30BK021	60.78	8.34	8.49	2.09	0.00	0.00	61.92	141.62								
	A30BK022	25.55	3.57	6.99	1.72	1.26	0.16	26.10	65.35								
	A30BK023	28.91	3.97	6.99	1.72	0.00	0.00	29.46	71.05								
	A30BK024	22.46	4.17	8.14	2.01	0.54	0.07	19.49	56.88								
	A30CA001	5.85	0.80	1.69	0.42	0.00	0.00	5.96	14.72								
	A30CA002	25.54	3.57	5.16	1.27	1.17	0.15	26.09	62.95								
	A30CA007	8.61	1.60	4.73	1.17	0.31	0.04	7.48	23.94								
	A30CA008	30.52	4.27	8.39	2.07	1.51	0.19	31.18	78.13								
	A30CA009	38.01	5.21	8.44	2.08	0.00	0.00	38.72	92.46								
	A30CA013	27.41	3.76	5.84	1.44	0.00	0.00	27.93	66.38								
	A30CA014	27.98	3.93	7.38	1.82	1.67	0.21	28.61	71.60								
	A30CA015	36.30	4.98	8.39	2.07	0.00	0.00	36.99	88.73								
	A30CA016	35.71	4.90	8.39	2.07	0.00	0.00	36.38	87.45								
	A30CH001	25.17	3.51	5.31	1.31	0.92	0.11	25.70	62.03								
	A30CH002	27.40	3.82	7.33	1.81	1.26	0.16	27.98	69.76								
	A30CH003	28.06	3.85	7.33	1.81	0.00	0.00	28.59	69.64								
	A30CH004	28.86	4.03	7.33	1.81	1.35	0.17	29.48	73.03								
	A30CH005	31.46	4.40	8.35	2.06	1.61	0.20	32.14	80.22								
	A30CH006	37.42	5.13	9.65	2.38	0.00	0.00	38.12	92.70								
	A30EJ001	21.12	2.95	6.27	1.54	0.97	0.12	21.57	54.54								
	A30EJ002	23.98	3.29	6.27	1.54	0.00	0.00	24.44	59.52								
A30EJ003	24.40	3.44	8.30	2.04	1.79	0.22	24.97	65.16									

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																
	A30EJ004	27.69	3.80	8.30	2.04	0.00	0.00	28.21	70.04								
	A30EJ005	26.65	3.86	8.30	2.04	3.01	0.37	27.37	71.60								
	A30EJ006	30.71	4.21	8.30	2.04	0.00	0.00	31.29	76.55								
	A30GC001	3.06	0.42	2.64	0.74	0.06	0.01	3.13	10.06								
	A30GC002	3.40	0.47	1.21	0.30	0.06	0.01	3.47	8.92								
	A30GC003	4.35	0.60	2.64	0.74	0.00	0.00	4.43	12.76								
	A30GC004	4.71	0.65	1.98	0.49	0.00	0.00	4.80	12.63								
	A30LD001	9.87	1.84	4.86	1.20	0.40	0.05	8.57	26.79								
	A30MY001	9.56	1.76	3.54	0.87	0.00	0.00	8.28	24.01								
	A30MY002	12.41	2.28	4.42	1.09	0.00	0.00	10.75	30.95								
	A30RT001	36.59	6.72	12.16	3.00	0.05	0.01	31.70	90.23								
	A30RT002	38.42	7.06	12.16	3.00	0.12	0.01	33.29	94.06								
	A30XX001	8.70	1.92	4.57	0.95	0.72	0.09	5.19	22.14								
A30XX002	10.14	2.20	4.57	0.95	0.00	0.00	6.03	23.89									
A35	A35AE001	1.18	0.14	0.49	2.09	0.06	0.01	1.03	5.00								
	A35AE002	1.22	0.15	0.49	2.79	0.06	0.01	1.07	5.79								
	A35AE003	1.33	0.16	0.49	3.14	0.04	0.00	1.15	6.31								
	A35AE004	1.45	0.17	0.49	4.04	0.04	0.00	1.26	7.45								
	A35AE005	1.56	0.19	0.49	6.24	0.09	0.01	1.37	9.95								
A40	A40CA008	58.59	6.86	33.50	8.25	0.00	0.00	63.43	170.63								
	A40CA009	86.21	10.09	41.88	10.32	0.00	0.00	93.32	241.82								
	A40CW001	103.48	12.11	69.01	17.00	0.00	0.00	112.02	313.62								
	A40RT001	39.23	4.64	15.41	3.80	0.63	0.08	42.57	106.36								
	A40RT002	51.95	6.08	16.75	4.13	0.00	0.00	56.23	135.14								
	A40RT003	64.25	7.52	30.82	7.59	0.00	0.00	69.55	179.73								
	A40RT004	82.63	9.67	53.60	13.20	0.00	0.00	89.44	248.54								
	A40RT005	87.94	10.29	53.60	13.20	0.00	0.00	95.20	260.23								
A40RT006	97.40	11.40	53.60	13.20	0.00	0.00	105.43	281.03									
A45	A45AE001	1.28	0.13	0.00	7.10	0.03	0.00	1.25	9.79								
	A45AE002	2.53	0.26	0.00	14.25	0.03	0.00	2.47	19.54								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																
	A45AE003	2.99	0.30	0.00	16.85	0.03	0.00	2.91	23.08								
	A45RS001	6.08	0.62	3.76	1.43	0.09	0.01	5.94	17.93								
	A45RS002	20.13	2.02	11.02	3.21	0.00	0.00	19.60	55.98								
	A45SE002	4.00	0.40	1.96	1.80	0.03	0.00	3.90	12.09								
	A45SE003	5.57	0.56	1.33	2.33	0.08	0.01	5.43	15.31								
	A45SE004	2.80	0.29	1.57	0.94	0.13	0.02	2.75	8.50								
B10	B10CC007	3.15	0.49	1.77	3.50	0.14	0.02	3.42	12.49								
	B10CC008	6.70	1.09	16.00	8.00	1.29	0.16	7.37	40.61								
	B10CC009	8.87	1.47	19.63	9.28	2.15	0.27	9.80	51.47								
	B10CC010	9.77	1.61	19.63	9.53	2.15	0.27	10.77	53.73								
	B10CC011	2.01	0.30	0.85	1.34	0.00	0.00	2.18	6.68								
	B10CC012	1.99	0.30	1.77	1.25	0.00	0.00	2.15	7.46								
	B10CC013	2.40	0.36	1.77	1.30	0.00	0.00	2.60	8.43								
	B10CC014	0.62	0.09	0.21	0.58	0.00	0.00	0.68	2.18								
	B10CL005	16.46	2.54	5.07	4.01	0.78	0.10	17.91	46.87								
	B10CL006	20.02	3.07	5.07	4.01	0.78	0.10	21.76	54.81								
	B10CL015	13.92	2.15	1.27	3.00	0.73	0.09	15.15	36.31								
	B10CL021	7.41	1.15	1.48	0.59	0.43	0.05	8.07	19.18								
	B10CL025	24.96	3.78	8.45	3.35	0.25	0.03	27.05	67.87								
	B10CL027	1.83	0.27	0.00	0.00	0.00	0.00	1.98	4.08								
	B10CL032	0.38	0.06	0.42	0.17	0.00	0.00	0.41	1.44								
	B10CL034	0.75	0.11	0.85	0.34	0.00	0.00	0.82	2.87								
	B10CL036	0.31	0.05	0.34	0.13	0.00	0.00	0.34	1.17								
	B10CL040	0.43	0.07	0.85	0.34	0.00	0.00	0.47	2.16								
	B10CL042	0.29	0.04	0.21	0.08	0.00	0.00	0.31	0.93								
	B10CL045	0.37	0.06	0.42	0.17	0.00	0.00	0.40	1.42								
	B10EM001	37.00	5.69	2.45	3.19	1.54	0.19	40.23	90.29								
	B10EM002	0.44	0.10	0.85	1.34	0.42	0.05	0.52	3.72								
	B10EM003	2.26	0.34	0.00	0.00	0.00	0.00	2.44	5.04								
	B10KB001	9.69	1.81	4.01	1.59	0.46	0.06	10.53	28.15								
	B10KB002	17.94	3.33	9.30	3.68	0.51	0.06	19.47	54.29								
	B10RC006	16.88	2.62	1.92	5.26	0.91	0.11	18.38	46.08								
	B10RC007	12.47	1.92	0.63	2.75	0.53	0.07	13.57	31.94								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																	
	B10RC008	14.33	2.20	1.27	3.00	0.53	0.07	15.57	36.97									
	B10RC016	20.97	3.23	3.17	6.76	0.91	0.11	22.81	57.96									
	B10RC027	13.41	2.02	1.69	2.67	0.00	0.00	14.51	34.30									
	B10RC028	15.05	2.26	2.54	3.26	0.00	0.00	16.30	39.41									
	B10RC029	17.01	2.56	3.38	3.84	0.00	0.00	18.41	45.20									
	B10RC030	18.52	2.79	4.23	5.42	0.00	0.00	20.05	51.01									
	B10RC031	19.55	2.94	5.07	6.01	0.00	0.00	21.16	54.73									
	B10RC032	18.54	2.87	2.11	5.34	0.91	0.11	20.19	50.07									
	B10SN031	3.82	0.66	0.63	1.60	0.97	0.12	4.26	12.06									
	B10SN032	9.81	1.56	1.27	2.25	0.98	0.12	10.74	26.73									
	B10SN033	8.16	1.31	1.27	2.00	0.96	0.12	8.96	22.78									
	B10SN034	9.50	1.51	0.85	1.84	0.98	0.12	10.41	25.21									
	B10SN035	10.55	1.67	0.85	1.99	0.98	0.12	11.54	27.70									
	B10SN036	13.01	2.04	1.90	2.50	0.98	0.12	14.20	34.75									
	B15	B15BM001	2.95	0.37	3.54	0.87	0.00	0.00	2.26	9.99								
B15EC001		16.07	2.05	4.06	1.00	0.50	0.06	12.32	36.06									
B15EC002		10.23	1.30	4.42	1.09	0.27	0.03	7.84	25.18									
B15FS001		16.73	2.11	10.17	2.51	0.09	0.01	12.81	44.43									
B15JS001		8.95	1.13	4.16	1.02	0.09	0.01	6.85	22.21									
B15JS002		16.10	2.05	8.40	2.07	0.38	0.05	12.34	41.39									
B15MB001		0.73	0.09	0.00	0.10	0.00	0.00	0.56	1.48									
B15MB002		0.94	0.12	0.00	0.14	0.00	0.00	0.72	1.92									
B15MB003		1.32	0.17	0.00	0.24	0.06	0.01	1.01	2.81									
B15MB004		1.54	0.20	1.77	0.37	0.06	0.01	1.18	5.13									
B15RS001		3.64	0.46	3.54	0.87	0.11	0.01	2.79	11.42									
B15RS005		4.68	0.59	3.54	0.87	0.11	0.01	3.58	13.38									
B15TB001		2.35	0.30	1.99	0.49	0.06	0.01	1.80	7.00									
B15TB002		2.36	0.30	1.99	0.49	0.06	0.01	1.81	7.02									
B15WD001		3.36	0.43	3.54	0.87	0.11	0.01	2.57	10.89									
B15WD002		3.58	0.46	3.54	0.87	0.11	0.01	2.75	11.32									
B20		B20BN001	1.11	0.14	1.96	0.55	0.00	0.00	0.95	4.71								
		B20BN002	1.73	0.22	3.63	1.02	0.00	0.00	1.49	8.09								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																
	B20BN003	2.15	0.27	6.87	1.93	0.00	0.00	1.85	13.07								
	B20BN004	3.35	0.42	5.53	1.36	0.00	0.00	2.88	13.54								
	B20BN005	1.95	0.24	6.38	1.80	0.00	0.00	1.68	12.05								
	B20BN006	2.07	0.26	11.68	3.29	0.00	0.00	1.78	19.08								
	B20BN007	3.79	0.48	5.53	1.36	0.00	0.00	3.26	14.42								
	B20MC001	2.06	0.26	3.80	0.94	0.03	0.00	1.77	8.86								
	B20MC003	2.85	0.36	5.53	1.36	0.06	0.01	2.46	12.63								
	B20MC004	3.27	0.42	5.53	1.36	0.15	0.02	2.82	13.57								
	B20MC005	36.66	4.64	28.74	8.58	0.46	0.06	31.59	110.73								
B25	B25HB001	1.71	0.22	0.00	0.00	0.00	0.00	1.19	3.12	2.11	0.22	0.00	0.00	0.00	0.00	1.68	4.01
	B25HB003	2.75	0.35	0.00	0.00	0.00	0.00	1.92	5.02	3.39	0.36	0.00	0.00	0.00	0.00	2.70	6.45
	B25HB005	3.57	0.45	0.00	0.00	0.00	0.00	2.49	6.51	4.40	0.46	0.00	0.00	0.00	0.00	3.50	8.36
	B25HB007	4.22	0.53	0.00	0.00	0.00	0.00	2.94	7.69	5.19	0.55	0.00	0.00	0.00	0.00	4.13	9.87
	B25HB008	4.92	0.62	0.00	0.00	0.00	0.00	3.43	8.97	6.05	0.64	0.00	0.00	0.00	0.00	4.82	11.51
	B25HB009	5.42	0.68	0.00	0.00	0.00	0.00	3.77	9.87	6.67	0.70	0.00	0.00	0.00	0.00	5.30	12.67
	B25HB010	5.69	0.71	0.00	0.00	0.00	0.00	3.96	10.36	7.00	0.74	0.00	0.00	0.00	0.00	5.57	13.31
	B25HB011	5.83	0.73	0.00	0.00	0.00	0.00	4.06	10.62	7.18	0.76	0.00	0.00	0.00	0.00	5.71	13.65
	B25HB012	6.16	0.77	0.00	0.00	0.00	0.00	4.29	11.22	7.59	0.80	0.00	0.00	0.00	0.00	6.03	14.42
	B25HB013	6.36	0.80	0.00	0.00	0.00	0.00	4.43	11.59	7.83	0.82	0.00	0.00	0.00	0.00	6.23	14.88
	B25HB014	6.65	0.84	0.00	0.00	0.00	0.00	4.63	12.12	8.18	0.86	0.00	0.00	0.00	0.00	6.51	15.55
	B25HB015	6.88	0.86	0.00	0.00	0.00	0.00	4.79	12.53	8.47	0.89	0.00	0.00	0.00	0.00	6.74	16.10
	B25XX001	0.77	0.10	0.00	0.00	0.00	0.00	0.54	1.41	0.95	0.10	0.00	0.00	0.00	0.00	0.76	1.81
	B25XX002	1.14	0.14	0.00	0.00	0.00	0.00	0.80	2.08	1.41	0.15	0.00	0.00	0.00	0.00	1.12	2.68
	B25XX003	1.41	0.18	0.00	0.00	0.00	0.00	0.98	2.57	1.73	0.18	0.00	0.00	0.00	0.00	1.38	3.29
	B25XX004	1.54	0.19	0.00	0.00	0.00	0.00	1.07	2.80	1.89	0.20	0.00	0.00	0.00	0.00	1.51	3.60
	B25XX005	1.79	0.23	0.00	0.00	0.00	0.00	1.25	3.27	2.21	0.23	0.00	0.00	0.00	0.00	1.76	4.20
	B25XX006	2.01	0.25	0.00	0.00	0.00	0.00	1.40	3.66	2.48	0.26	0.00	0.00	0.00	0.00	1.97	4.71
	B25XX007	2.15	0.27	0.00	0.00	0.00	0.00	1.50	3.92	2.65	0.28	0.00	0.00	0.00	0.00	2.10	5.03
	B25XX008	2.51	0.32	0.00	0.00	0.00	0.00	1.75	4.58	3.09	0.33	0.00	0.00	0.00	0.00	2.46	5.88
	B25XX009	2.63	0.33	0.00	0.00	0.00	0.00	1.83	4.79	3.24	0.34	0.00	0.00	0.00	0.00	2.58	6.16
	B25XX010	2.80	0.35	0.00	0.00	0.00	0.00	1.95	5.10	3.45	0.36	0.00	0.00	0.00	0.00	2.74	6.55
	B25XX011	2.93	0.37	0.00	0.00	0.00	0.00	2.04	5.34	3.61	0.38	0.00	0.00	0.00	0.00	2.87	6.86
	B25XX012	3.28	0.41	0.00	0.00	0.00	0.00	2.28	5.97	4.03	0.42	0.00	0.00	0.00	0.00	3.21	7.66

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																
	B25XX013	4.42	0.56	0.00	0.00	0.00	0.00	3.08	8.06	5.44	0.57	0.00	0.00	0.00	0.00	4.33	10.34
	B25XX014	4.72	0.59	0.00	0.00	0.00	0.00	3.29	8.60	5.81	0.61	0.00	0.00	0.00	0.00	4.62	11.04
	B25XX015	5.72	0.72	0.00	0.00	0.00	0.00	3.99	10.43	7.04	0.74	0.00	0.00	0.00	0.00	5.60	13.38
	B25XX016	5.77	0.72	0.00	0.00	0.00	0.00	4.02	10.51	7.10	0.75	0.00	0.00	0.00	0.00	5.65	13.50
	B25XX017	6.23	0.78	0.00	0.00	0.00	0.00	4.34	11.35	7.66	0.81	0.00	0.00	0.00	0.00	6.10	14.57
	B25XX018	5.90	0.74	0.00	0.00	0.00	0.00	4.11	10.75	7.26	0.76	0.00	0.00	0.00	0.00	5.77	13.79
	B25XX019	6.61	0.83	0.00	0.00	0.00	0.00	4.60	12.04	8.13	0.86	0.00	0.00	0.00	0.00	6.47	15.46
B30	B30CR001	0.47	0.05	0.00	0.00	0.00	0.00	0.35	0.87								
	B30CR002	0.50	0.06	0.00	0.00	0.00	0.00	0.38	0.94								
	B30CR003	0.54	0.06	0.00	0.00	0.00	0.00	0.41	1.01								
	B30CR004	0.56	0.06	0.00	0.00	0.00	0.00	0.42	1.04								
	B30CR005	0.65	0.08	0.00	0.00	0.00	0.00	0.49	1.22								
	B30CR006	0.77	0.09	0.00	0.00	0.00	0.00	0.58	1.44								
	B30CR009	0.69	0.08	0.00	0.00	0.00	0.00	0.52	1.29								
	B30CR010	0.81	0.09	0.00	0.00	0.00	0.00	0.61	1.51								
	B30CR011	0.96	0.11	0.00	0.00	0.00	0.00	0.72	1.79								
	B30CR012	1.10	0.13	0.00	0.00	0.00	0.00	0.83	2.06								
	B30GB001	0.35	0.04	0.00	0.00	0.00	0.00	0.23	0.62								
	B30GB002	0.46	0.05	0.00	0.00	0.00	0.00	0.30	0.81								
	B30GB003	0.56	0.06	0.00	0.00	0.00	0.00	0.37	0.99								
	B30GB004	0.82	0.09	0.00	0.00	0.00	0.00	0.54	1.45								
	B30GB005	0.97	0.11	0.00	0.00	0.00	0.00	0.64	1.72								
	B30GB006	1.80	0.21	0.00	0.00	0.00	0.00	1.27	3.28								
	B30GB007	1.94	0.22	0.00	0.00	0.00	0.00	1.37	3.53								
	B30GB008	2.16	0.25	0.00	0.00	0.00	0.00	1.53	3.94								
	B30GB009	2.46	0.28	0.00	0.00	0.00	0.00	1.74	4.48								
	B30GB010	3.03	0.35	0.00	0.00	0.00	0.00	2.15	5.53								
	B30GB011	1.43	0.16	0.00	0.00	0.00	0.00	1.07	2.66								
	B30GB012	1.48	0.17	0.00	0.00	0.00	0.00	1.11	2.76								
	B30GB013	1.53	0.18	0.00	0.00	0.00	0.00	1.15	2.86								
	B30GB014	2.00	0.23	0.00	0.00	0.00	0.00	1.51	3.74								
B30GB015	2.07	0.24	0.00	0.00	0.00	0.00	1.56	3.87									
B30GB016	2.98	0.34	0.00	0.00	0.00	0.00	2.24	5.56									

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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.																
	B30GB017	3.58	0.41	0.00	0.00	0.00	0.00	2.70	6.69								
B35																	
	B35HE001	0.56	0.07	0.00	0.00	0.00	0.00	0.39	1.02	0.69	0.07	0.00	0.00	0.00	0.00	0.55	1.31
	B35HE002	0.66	0.08	0.00	0.00	0.00	0.00	0.46	1.20	0.82	0.09	0.00	0.00	0.00	0.00	0.65	1.56
	B35HE003	0.88	0.11	0.00	0.00	0.00	0.00	0.61	1.60	1.08	0.11	0.00	0.00	0.00	0.00	0.86	2.05
	B35HE004	1.03	0.13	0.00	0.00	0.00	0.00	0.72	1.88	1.27	0.13	0.00	0.00	0.00	0.00	1.01	2.41
	B35HE005	1.21	0.15	0.00	0.00	0.00	0.00	0.85	2.21	1.49	0.16	0.00	0.00	0.00	0.00	1.19	2.84
	B35HE006	1.50	0.19	0.00	0.00	0.00	0.00	1.04	2.73	1.84	0.19	0.00	0.00	0.00	0.00	1.47	3.50
	B35HE007	1.65	0.21	0.00	0.00	0.00	0.00	1.15	3.01	2.04	0.21	0.00	0.00	0.00	0.00	1.62	3.87
	B35HE008	2.01	0.25	0.00	0.00	0.00	0.00	1.40	3.66	2.48	0.26	0.00	0.00	0.00	0.00	1.97	4.71
	B35HE009	2.14	0.27	0.00	0.00	0.00	0.00	1.49	3.90	2.63	0.28	0.00	0.00	0.00	0.00	2.09	5.00
	B35HE010	2.58	0.32	0.00	0.00	0.00	0.00	1.80	4.70	3.18	0.33	0.00	0.00	0.00	0.00	2.53	6.04
	B35HE011	2.80	0.35	0.00	0.00	0.00	0.00	1.95	5.10	3.45	0.36	0.00	0.00	0.00	0.00	2.74	6.55
	B35HE012	3.06	0.38	0.00	0.00	0.00	0.00	2.13	5.57	3.76	0.40	0.00	0.00	0.00	0.00	2.99	7.15
	B35HE013	3.39	0.43	0.00	0.00	0.00	0.00	2.36	6.18	4.17	0.44	0.00	0.00	0.00	0.00	3.32	7.93
	B35HE014	3.92	0.49	0.00	0.00	0.00	0.00	2.73	7.14	4.82	0.51	0.00	0.00	0.00	0.00	3.83	9.16
	B35HE015	4.26	0.53	0.00	0.00	0.00	0.00	2.96	7.75	5.24	0.55	0.00	0.00	0.00	0.00	4.17	9.96
	B35HE016	5.23	0.66	0.00	0.00	0.00	0.00	3.65	9.54	6.44	0.68	0.00	0.00	0.00	0.00	5.13	12.25
	B35HE017	6.02	0.76	0.00	0.00	0.00	0.00	4.19	10.97	7.41	0.78	0.00	0.00	0.00	0.00	5.89	14.08
	B35HE018	0.57	0.08	0.00	0.00	0.00	0.00	0.40	1.05	0.73	0.08	0.00	0.00	0.00	0.00	0.58	1.39
	B35HE019	0.66	0.09	0.00	0.00	0.00	0.00	0.46	1.21	0.84	0.09	0.00	0.00	0.00	0.00	0.67	1.60
	B35HE020	0.89	0.12	0.00	0.00	0.00	0.00	0.62	1.63	1.15	0.13	0.00	0.00	0.00	0.00	0.91	2.19
	B35HE021	1.06	0.15	0.00	0.00	0.00	0.00	0.74	1.95	1.36	0.15	0.00	0.00	0.00	0.00	1.08	2.59
	B35HE022	1.24	0.17	0.00	0.00	0.00	0.00	0.87	2.28	1.60	0.18	0.00	0.00	0.00	0.00	1.27	3.05
	B35HE023	1.46	0.20	0.00	0.00	0.00	0.00	1.02	2.68	1.88	0.21	0.00	0.00	0.00	0.00	1.49	3.58
	B35HE024	1.61	0.22	0.00	0.00	0.00	0.00	1.12	2.95	2.08	0.23	0.00	0.00	0.00	0.00	1.65	3.96
	B35HE025	1.94	0.27	0.00	0.00	0.00	0.00	1.35	3.56	2.49	0.28	0.00	0.00	0.00	0.00	1.98	4.75
	B35HE026	2.07	0.29	0.00	0.00	0.00	0.00	1.44	3.80	2.66	0.30	0.00	0.00	0.00	0.00	2.12	5.08
	B35HE027	2.65	0.37	0.00	0.00	0.00	0.00	1.85	4.87	3.41	0.38	0.00	0.00	0.00	0.00	2.71	6.50
	B35HE028	2.74	0.38	0.00	0.00	0.00	0.00	1.91	5.03	3.52	0.39	0.00	0.00	0.00	0.00	2.80	6.71
	B35HE029	3.13	0.44	0.00	0.00	0.00	0.00	2.18	5.75	4.02	0.45	0.00	0.00	0.00	0.00	3.20	7.67
	B35HE030	3.45	0.48	0.00	0.00	0.00	0.00	2.40	6.33	4.43	0.50	0.00	0.00	0.00	0.00	3.52	8.45
	B35HE031	4.12	0.57	0.00	0.00	0.00	0.00	2.87	7.56	5.30	0.59	0.00	0.00	0.00	0.00	4.22	10.11
	B35HE032	4.39	0.61	0.00	0.00	0.00	0.00	3.06	8.06	5.64	0.63	0.00	0.00	0.00	0.00	4.49	10.76

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																
	B35HE033	5.67	0.79	0.00	0.00	0.00	0.00	3.95	10.41	7.29	0.82	0.00	0.00	0.00	0.00	5.80	13.91
	B35HE034	6.31	0.88	0.00	0.00	0.00	0.00	4.40	11.59	8.12	0.91	0.00	0.00	0.00	0.00	6.46	15.49
	B35HE035	1.93	0.30	0.00	0.00	0.00	0.00	1.35	3.58	2.41	0.30	0.00	0.00	0.00	0.00	1.92	4.63
	B35HE036	2.02	0.31	0.00	0.00	0.00	0.00	1.40	3.73	2.52	0.32	0.00	0.00	0.00	0.00	2.00	4.84
	B35HE037	2.27	0.35	0.00	0.00	0.00	0.00	1.58	4.20	2.83	0.36	0.00	0.00	0.00	0.00	2.25	5.44
	B35HE038	3.08	0.47	0.00	0.00	0.00	0.00	2.14	5.69	3.85	0.48	0.00	0.00	0.00	0.00	3.06	7.39
	B35HE039	3.44	0.53	0.00	0.00	0.00	0.00	2.40	6.37	4.30	0.54	0.00	0.00	0.00	0.00	3.42	8.26
	B35HE040	3.55	0.54	0.00	0.00	0.00	0.00	2.48	6.57	4.44	0.56	0.00	0.00	0.00	0.00	3.53	8.53
	B35HE041	3.81	0.58	0.00	0.00	0.00	0.00	2.65	7.04	4.76	0.60	0.00	0.00	0.00	0.00	3.79	9.15
	B35HE042	4.82	0.74	0.00	0.00	0.00	0.00	3.36	8.92	6.02	0.76	0.00	0.00	0.00	0.00	4.79	11.57
	B35HE043	4.95	0.76	0.00	0.00	0.00	0.00	3.45	9.16	6.19	0.78	0.00	0.00	0.00	0.00	4.93	11.90
	B35HE044	6.30	0.96	0.00	0.00	0.00	0.00	4.39	11.65	7.87	0.99	0.00	0.00	0.00	0.00	6.26	15.12
	B35HE045	6.53	1.00	0.00	0.00	0.00	0.00	4.55	12.08	8.16	1.02	0.00	0.00	0.00	0.00	6.49	15.67
	B35HE046	7.76	1.19	0.00	0.00	0.00	0.00	5.41	14.36	9.70	1.22	0.00	0.00	0.00	0.00	7.72	18.64
	B35HE047	8.28	1.27	0.00	0.00	0.00	0.00	5.77	15.32	10.35	1.30	0.00	0.00	0.00	0.00	8.24	19.89
	B35SA001	1.78	0.22	0.00	0.00	0.00	0.00	1.24	3.24	2.19	0.23	0.00	0.00	0.00	0.00	1.74	4.16
	B35SA003	2.67	0.34	0.00	0.00	0.00	0.00	1.86	4.87	3.28	0.35	0.00	0.00	0.00	0.00	2.61	6.24
	B35SA004	3.66	0.46	0.00	0.00	0.00	0.00	2.55	6.67	4.50	0.47	0.00	0.00	0.00	0.00	3.58	8.55
	B35SA005	4.58	0.58	0.00	0.00	0.00	0.00	3.19	8.35	5.64	0.59	0.00	0.00	0.00	0.00	4.49	10.72
	B35SA006	5.40	0.68	0.00	0.00	0.00	0.00	3.76	9.84	6.65	0.70	0.00	0.00	0.00	0.00	5.29	12.64
	B35SA007	6.07	0.76	0.00	0.00	0.00	0.00	4.23	11.06	7.47	0.79	0.00	0.00	0.00	0.00	5.95	14.21
	B35SA008	7.16	0.90	0.00	0.00	0.00	0.00	4.99	13.05	8.81	0.93	0.00	0.00	0.00	0.00	7.01	16.75
	B35SA009	9.09	1.14	0.00	0.00	0.00	0.00	6.33	16.56	11.19	1.18	0.00	0.00	0.00	0.00	8.90	21.27
	B35SA010	11.09	1.39	0.00	0.00	0.00	0.00	7.73	20.21	13.65	1.44	0.00	0.00	0.00	0.00	10.86	25.95
	B35XX001	2.77	0.35	0.00	0.00	0.00	0.00	1.93	5.05	3.41	0.36	0.00	0.00	0.00	0.00	2.71	6.48
	B35XX002	3.11	0.39	0.00	0.00	0.00	0.00	2.17	5.67	3.83	0.40	0.00	0.00	0.00	0.00	3.05	7.28
	B35XX003	3.44	0.43	0.00	0.00	0.00	0.00	2.40	6.27	4.24	0.45	0.00	0.00	0.00	0.00	3.37	8.06
	B35XX004	3.93	0.49	0.00	0.00	0.00	0.00	2.73	7.15	4.83	0.51	0.00	0.00	0.00	0.00	3.84	9.18
	B35XX005	4.41	0.55	0.00	0.00	0.00	0.00	3.07	8.03	5.42	0.57	0.00	0.00	0.00	0.00	4.32	10.31
B35XX006	5.43	0.68	0.00	0.00	0.00	0.00	3.78	9.89	6.68	0.70	0.00	0.00	0.00	0.00	5.31	12.69	
B35XX007	2.78	0.39	0.00	0.00	0.00	0.00	1.94	5.11	3.58	0.40	0.00	0.00	0.00	0.00	2.85	6.83	
B35XX008	3.18	0.44	0.00	0.00	0.00	0.00	2.22	5.84	4.09	0.46	0.00	0.00	0.00	0.00	3.25	7.80	
B35XX009	3.43	0.48	0.00	0.00	0.00	0.00	2.39	6.30	4.41	0.49	0.00	0.00	0.00	0.00	3.50	8.40	
B35XX010	4.08	0.57	0.00	0.00	0.00	0.00	2.84	7.49	5.24	0.59	0.00	0.00	0.00	0.00	4.17	10.00	
B35XX011	4.51	0.63	0.00	0.00	0.00	0.00	3.14	8.28	5.79	0.65	0.00	0.00	0.00	0.00	4.61	11.05	

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																
	B35XX012	5.71	0.80	0.00	0.00	0.00	0.00	3.98	10.49	7.34	0.82	0.00	0.00	0.00	0.00	5.84	14.00
	B35XX013	0.64	0.10	0.00	0.00	0.00	0.00	0.44	1.18	0.79	0.10	0.00	0.00	0.00	0.00	0.63	1.52
	B35XX014	0.71	0.11	0.00	0.00	0.00	0.00	0.50	1.32	0.89	0.11	0.00	0.00	0.00	0.00	0.71	1.71
	B35XX015	1.06	0.16	0.00	0.00	0.00	0.00	0.74	1.96	1.32	0.17	0.00	0.00	0.00	0.00	1.05	2.54
	B35XX016	1.21	0.18	0.00	0.00	0.00	0.00	0.84	2.23	1.51	0.19	0.00	0.00	0.00	0.00	1.20	2.90
	B35XX017	1.32	0.20	0.00	0.00	0.00	0.00	0.92	2.44	1.65	0.21	0.00	0.00	0.00	0.00	1.31	3.17
	B35XX018	2.81	0.43	0.00	0.00	0.00	0.00	1.96	5.20	3.52	0.44	0.00	0.00	0.00	0.00	2.80	6.76
	B35XX019	3.00	0.46	0.00	0.00	0.00	0.00	2.09	5.55	3.75	0.47	0.00	0.00	0.00	0.00	2.99	7.21
	B35XX020	3.39	0.52	0.00	0.00	0.00	0.00	2.36	6.27	4.24	0.53	0.00	0.00	0.00	0.00	3.37	8.14
	B35XX021	3.68	0.56	0.00	0.00	0.00	0.00	2.57	6.81	4.61	0.58	0.00	0.00	0.00	0.00	3.66	8.85
	B35XX022	4.66	0.71	0.00	0.00	0.00	0.00	3.25	8.62	5.83	0.73	0.00	0.00	0.00	0.00	4.64	11.20
	B35XX023	4.99	0.76	0.00	0.00	0.00	0.00	3.48	9.23	6.24	0.78	0.00	0.00	0.00	0.00	4.96	11.98
C05																	
	C05OL001	0.13	0.01	0.31	0.09	0.00	0.00	0.31	0.85								
	C05OL002	0.21	0.01	0.64	0.18	0.00	0.00	0.49	1.53								
	C05OL003	0.25	0.01	0.71	0.20	0.00	0.00	0.60	1.77								
	C05OL004	0.27	0.01	0.77	0.22	0.00	0.00	0.65	1.92								
C10																	
	C10BO001	0.76	0.05	0.41	0.09	0.00	0.00	0.83	2.14								
	C10BO003	0.53	0.03	0.54	0.11	0.00	0.00	0.57	1.78								
	C10BO004	0.59	0.04	0.82	0.17	0.00	0.00	0.64	2.26								
	C10BO007	1.58	0.10	0.31	0.07	0.00	0.00	1.72	3.78								
	C10BO008	3.03	0.20	0.49	0.10	0.00	0.00	3.30	7.12								
	C10BO009	1.25	0.10	0.54	0.11	0.00	0.00	1.52	3.52								
	C10BO010	2.91	0.22	0.25	0.05	0.00	0.00	3.54	6.97								
	C10BO011	2.21	0.17	0.49	0.10	0.00	0.00	2.68	5.65								
	C10BO013	7.82	0.60	0.99	0.21	0.00	0.00	9.51	19.13								
	C10BO014	3.51	0.27	0.43	0.09	0.00	0.00	4.26	8.56								
	C10BO015	2.70	0.21	0.31	0.07	0.00	0.00	3.29	6.58								
	C10BO016	3.95	0.30	0.55	0.12	0.00	0.00	4.80	9.72								
	C10RX001	5.81	0.45	0.49	0.10	0.00	0.00	7.07	13.92								
	C10RX002	8.25	0.64	0.86	0.18	0.00	0.00	10.04	19.97								
	C10RX003	14.05	1.08	2.03	0.43	0.00	0.00	17.10	34.69								
C10WC003	1.06	0.07	0.54	0.11	0.00	0.00	1.15	2.93									

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																
	C10WC006	0.72	0.05	1.09	0.23	0.00	0.00	0.78	2.87								
	C10WC007	2.37	0.16	1.22	0.26	0.00	0.00	2.58	6.59								
	C10WC008	3.16	0.21	0.37	0.08	0.00	0.00	3.44	7.26								
	C10WC010	2.68	0.21	1.49	0.31	0.00	0.00	3.27	7.96								
	C10WC015	5.64	0.37	0.86	0.18	0.00	0.00	6.14	13.19								
	C10WC016	8.37	0.65	1.23	0.26	0.00	0.00	10.18	20.69								
	C10WC017	3.25	0.25	0.55	0.12	0.00	0.00	3.96	8.13								
	C10WC019	8.26	0.64	1.23	0.26	0.00	0.00	10.05	20.44								
C15	C15BL001	1.71	0.14	0.09	0.54	0.00	0.00	1.66	4.14								
	C15BL003	8.21	0.69	0.46	1.70	0.00	0.00	7.96	19.02								
	C15BL004	9.61	0.80	0.68	2.05	0.00	0.00	9.31	22.45								
	C15BL005	14.09	1.18	1.37	2.60	0.00	0.00	13.65	32.89								
C20	C20WC002	1.79	0.16	1.37	0.39	0.16	0.02	1.37	5.26								
	C20XX001	1.26	0.11	0.85	0.24	0.11	0.01	0.97	3.55								
C25	C25AJ001	0.63	0.06	0.85	0.24	0.00	0.00	0.54	2.32								
	C25AJ003	0.89	0.09	0.95	0.27	0.00	0.00	0.77	2.97								
	C25AJ004	1.27	0.13	0.95	0.27	0.00	0.00	1.10	3.72								
	C25AJ005	1.50	0.15	1.16	0.33	0.00	0.00	1.29	4.43								
	C25AJ006	1.78	0.18	1.16	0.33	0.00	0.00	1.53	4.98								
	C25AJ007	1.89	0.19	1.16	0.33	0.00	0.00	1.63	5.20								
	C25AJ008	1.18	0.21	0.54	0.20	0.00	0.00	0.87	3.00								
	C25AJ009	1.25	0.23	0.54	0.20	0.00	0.00	0.92	3.14								
	C25AJ010	1.34	0.24	0.54	0.20	0.00	0.00	0.99	3.31								
	C25AJ011	1.43	0.26	0.54	0.20	0.00	0.00	1.06	3.49								
	C25AJ012	1.52	0.28	0.54	0.20	0.00	0.00	1.12	3.66								
	C25AJ013	1.61	0.29	0.54	0.20	0.00	0.00	1.19	3.83								
	C25AJ015	1.68	0.17	2.11	0.59	0.00	0.00	1.45	6.00								
	C25AJ016	1.76	0.18	2.11	0.59	0.00	0.00	1.52	6.16								
	C25AJ018	2.05	0.21	2.64	0.74	0.00	0.00	1.76	7.40								
	C25AJ019	2.97	0.30	2.96	0.83	0.00	0.00	2.56	9.62								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																
	C25ST001	0.38	0.04	0.85	0.24	0.00	0.00	0.33	1.84								
	C25ST002	0.41	0.04	0.95	0.27	0.00	0.00	0.36	2.03								
	C25SV001	24.70	4.52	2.87	0.95	0.21	0.03	18.27	51.55								
	C25SV002	19.86	3.63	2.87	0.95	0.16	0.02	14.69	42.18								
	C25SV003	11.96	2.19	1.33	0.44	0.16	0.02	8.86	24.96								
	C25WC002	0.50	0.05	0.85	0.24	0.00	0.00	0.43	2.07								
	C25WC003	1.87	0.19	2.11	0.59	0.00	0.00	1.61	6.37								
C35	C35AF001	2.46	0.37	0.00	0.30	0.04	0.00	2.55	5.72								
	C35AF002	1.19	0.18	0.00	2.00	0.04	0.00	1.23	4.64								
	C35AF004	4.24	0.63	3.40	2.96	0.04	0.00	4.39	15.66								
	C35AF005	6.08	0.90	2.82	2.69	0.10	0.01	6.31	18.91								
	C35AL002	3.40	0.52	1.36	1.34	0.18	0.02	3.55	10.37								
	C35AL003	1.14	0.19	0.24	0.29	0.18	0.02	1.21	3.27								
	C35AL008	2.55	0.37	0.00	0.30	0.00	0.00	2.64	5.86								
	C35AL013	1.10	0.17	0.00	0.40	0.09	0.01	1.16	2.93								
	C35AL014	5.79	0.85	2.77	1.18	0.04	0.00	5.99	16.62								
	C35AV006	8.56	1.26	0.98	2.39	0.11	0.01	8.86	22.17								
	C35AV008	2.57	0.38	0.34	2.13	0.00	0.00	2.66	8.08								
	C35AV009	3.13	0.46	0.78	2.31	0.00	0.00	3.23	9.91								
	C35AV010	5.64	0.83	1.27	2.50	0.00	0.00	5.83	16.07								
	C35AV011	4.32	0.63	0.59	2.23	0.00	0.00	4.46	12.23								
	C35AV012	12.92	1.90	0.98	2.89	0.00	0.00	13.35	32.04								
C40	C40CC001	3.57	0.36	0.46	0.20	0.00	0.00	3.07	7.66								
	C40MU001	0.38	0.04	0.85	0.24	0.03	0.00	0.33	1.87								
	C40MU002	0.86	0.09	1.37	0.39	0.03	0.00	0.75	3.49								
	C40MU003	0.40	0.04	0.85	0.24	0.03	0.00	0.35	1.91								
	C40MU004	0.50	0.05	0.85	0.24	0.03	0.00	0.43	2.10								
	C40RC005	31.38	3.17	5.46	6.40	0.27	0.03	27.07	73.78								
	C40ST001	0.26	0.03	0.02	0.21	0.03	0.00	0.22	0.77								
	C40ST002	0.29	0.03	0.58	0.16	0.03	0.00	0.25	1.34								
	C40ST003	0.36	0.04	0.05	0.27	0.03	0.00	0.32	1.07								
	C40ST005	0.50	0.05	0.07	0.33	0.03	0.00	0.44	1.42								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																
	C40XX001	0.47	0.05	0.09	0.24	0.00	0.00	0.40	1.25								
	C40XX002	0.50	0.05	0.74	0.21	0.00	0.00	0.43	1.93								
	C40XX003	0.72	0.07	0.14	0.26	0.00	0.00	0.62	1.81								
	C40XX004	0.72	0.07	0.85	0.24	0.00	0.00	0.62	2.50								
	C40XX005	0.94	0.09	0.23	0.35	0.00	0.00	0.81	2.42								
	C40XX006	1.32	0.13	0.23	0.35	0.00	0.00	1.13	3.16								
	C40XX007	1.22	0.12	0.95	0.27	0.00	0.00	1.05	3.61								
C45	C45G0010	16.31	1.91	4.81	1.18	0.00	0.00	17.66	41.87								
	C45G0011	22.30	2.61	8.83	2.18	0.00	0.00	24.14	60.06								
	C45G0012	38.18	4.47	8.83	2.18	0.00	0.00	41.33	94.99								
	C45G0013	14.58	1.71	3.66	0.90	0.00	0.00	15.79	36.64								
	C45G0014	19.49	2.28	4.81	1.18	0.00	0.00	21.10	48.86								
	C45G0016	46.02	5.38	12.02	2.96	0.00	0.00	49.82	116.20								
	C45G0018	66.04	7.73	13.07	3.22	0.00	0.00	71.49	161.55								
	C45G0020	71.80	8.40	16.98	4.18	0.00	0.00	77.72	179.08								
	C45G0025	9.01	1.05	5.44	1.53	0.00	0.00	9.75	26.78								
	C45G0031	45.89	5.37	16.98	4.18	0.00	0.00	49.67	122.09								
	C45MJ001	0.95	0.11	1.70	0.48	0.00	0.00	1.02	4.26								
	C45MW001	5.18	0.65	1.05	0.26	0.56	0.07	5.70	13.47								
	C45MW002	5.55	0.70	1.05	0.26	0.70	0.09	6.11	14.46								
	C45MW003	6.69	0.86	1.05	0.26	0.97	0.12	7.38	17.33								
	C55	C55M3001	2.05	0.26	3.17	0.89	0.04	0.00	1.97	8.38							
C55M3002		5.18	0.65	2.75	0.68	0.00	0.00	4.96	14.22								
C55M3003		6.62	0.83	5.11	1.26	0.00	0.00	6.34	20.16								
C55MO001		3.46	0.44	3.17	0.89	0.09	0.01	3.32	11.38								
C55MO003		6.48	0.82	5.31	1.31	0.09	0.01	6.22	20.24								
C55MO018		49.70	6.29	0.00	0.00	0.73	0.09	47.64	104.45								
C55MO019		4.62	0.59	3.52	0.87	0.09	0.01	4.43	14.13								
C55OE001		25.99	3.26	0.00	0.00	0.00	0.00	24.89	54.14								
C55OE002		33.39	4.19	0.00	0.00	0.00	0.00	31.98	69.56								
C55OE003		50.89	6.39	0.00	0.00	0.00	0.00	48.74	106.02								
C55OE006		4.63	0.59	3.57	0.88	0.09	0.01	4.44	14.21								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																
	C55OE009	9.11	1.16	6.13	1.51	0.18	0.02	8.74	26.85								
	C55OE011	8.13	1.04	8.73	2.15	0.18	0.02	7.80	28.05								
	C55OE012	10.73	1.36	8.73	2.15	0.18	0.02	10.29	33.46								
	C55SC001	7.47	0.94	3.86	0.95	0.04	0.00	7.16	20.42								
	C55SC002	16.26	2.06	8.54	2.10	0.18	0.02	15.59	44.75								
	C55SC005	23.21	2.96	12.02	2.96	0.77	0.10	22.27	64.29								
C55SC006	30.47	3.87	12.02	2.96	0.77	0.10	29.22	79.41									
C60	C60CQ001	1.77	0.17	4.76	1.34	0.00	0.00	1.70	9.74								
	C60CQ002	0.37	0.04	1.22	0.34	0.00	0.00	0.35	2.32								
	C60CQ003	0.40	0.04	1.77	0.50	0.00	0.00	0.38	3.09								
	C60CQ010	1.78	0.18	2.16	0.72	0.00	0.00	1.71	6.55								
	C60CQ011	2.26	0.22	8.83	2.49	0.00	0.00	2.17	15.97								
	C60CQ012	2.28	0.22	8.83	2.49	0.00	0.00	2.18	16.00								
	C60CQ013	2.29	0.23	8.83	2.49	0.00	0.00	2.19	16.03								
	C60CQ014	1.94	0.19	1.76	0.70	0.00	0.00	1.86	6.45								
	C60CQ016	3.32	0.33	4.62	1.54	0.00	0.00	3.18	12.99								
	C60FE002	0.19	0.02	0.27	0.08	0.00	0.00	0.18	0.74								
	C60FE006	0.40	0.04	1.22	0.34	0.00	0.00	0.38	2.38								
	C60FE007	0.41	0.04	1.77	0.50	0.00	0.00	0.40	3.12								
	C60FE009	1.33	0.13	2.72	0.77	0.00	0.00	1.27	6.22								
	C60LY001	3.51	0.35	1.36	0.38	0.00	0.00	3.36	8.96								
	C60LY002	4.43	0.44	4.76	1.34	0.00	0.00	4.25	15.22								
	C60LY005	0.39	0.04	1.77	0.50	0.00	0.00	0.37	3.07								
	C60LY011	9.72	0.96	1.97	0.66	0.00	0.00	9.31	22.62								
C65	C65ST007	0.20	0.01	0.04	0.02	0.00	0.00	0.48	0.75								
	C65ST008	0.23	0.02	0.08	0.03	0.00	0.00	0.54	0.90								
	C65ST009	0.25	0.02	0.13	0.05	0.00	0.00	0.60	1.05								
	C65ST013	0.43	0.03	0.54	0.15	0.00	0.00	1.01	2.16								
	C65WC003	0.52	0.04	0.08	0.17	0.00	0.00	1.23	2.04								
	C65WC004	0.28	0.02	0.13	0.19	0.00	0.00	0.65	1.27								
	C65WC005	0.35	0.02	0.49	0.14	0.00	0.00	0.82	1.82								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	C75BD004	3.98	0.92	4.76	1.34	0.20	0.02	3.36	14.58								
	C75BD005	5.11	1.18	7.47	2.10	0.27	0.03	4.32	20.48								
	C75BD006	7.43	1.73	12.46	3.51	0.52	0.06	6.28	31.99								
	C75BD007	2.91	0.67	4.30	1.21	0.15	0.02	2.46	11.72								
	C75BD008	3.53	0.81	4.76	1.34	0.15	0.02	2.98	13.59								
	C75BD009	4.57	1.06	7.47	2.10	0.27	0.03	3.86	19.36								
	C75BD010	7.69	1.78	4.44	1.17	0.79	0.10	6.49	22.46								
	C75BD011	13.93	3.22	6.27	1.65	1.21	0.15	11.76	38.19								
	C75GV006	14.17	3.27	6.79	1.79	1.21	0.15	11.96	39.34								
	C75GV014	36.36	8.46	10.35	2.73	5.26	0.65	30.73	94.54								
	C75GV016	53.67	12.50	13.07	3.45	8.22	1.02	45.38	137.31								
	C75GV019	33.84	7.89	9.25	2.44	5.49	0.68	28.62	88.21								
	C75GV020	42.85	9.94	13.07	3.45	5.49	0.68	36.21	111.69								
	C75GV021	6.03	1.39	7.02	1.98	0.30	0.04	5.09	21.85								
	C75GV022	7.15	1.66	5.75	1.52	0.59	0.07	6.05	22.79								
	C75GV023	16.79	4.01	7.94	2.10	5.32	0.66	14.25	51.07								
	C75GV024	24.24	5.70	7.94	2.10	5.32	0.66	20.53	66.49								
	C75GV025	40.87	9.48	10.35	2.73	5.26	0.65	34.54	103.88								
	C75GV026	2.80	0.64	2.04	0.57	0.04	0.00	2.36	8.45								
	C75GV027	6.18	1.42	7.02	1.98	0.27	0.03	5.22	22.12								
	C75GV028	14.39	3.35	7.58	2.00	1.91	0.24	12.16	41.63								
	C75PB001	18.40	4.25	6.64	1.75	1.66	0.21	15.54	48.45								
	C75PB002	19.05	4.40	6.64	1.75	1.66	0.21	16.08	49.79								
	C75TD003	18.72	4.35	9.41	2.48	2.53	0.31	15.82	53.62								
	C75TD006	21.95	5.10	12.91	3.41	2.99	0.37	18.55	65.28								
	C75TD007	35.09	8.24	12.91	3.41	3.99	0.50	29.70	93.84								
	C75TD008	32.64	7.63	12.91	3.41	5.88	0.73	27.62	90.82								
	C75TE001	17.68	4.09	6.79	1.79	1.68	0.21	14.93	47.17								
	C75TE002	24.32	5.63	7.94	2.10	2.32	0.29	20.54	63.14								
	C75TE003	23.07	5.39	9.09	2.40	4.16	0.52	19.51	64.14								
	C75TE004	27.25	6.55	11.24	2.97	3.44	0.43	23.15	75.03								
	C75TE005	37.54	8.89	13.59	3.59	3.44	0.43	31.82	99.30								
C75TE006	40.72	9.62	13.59	3.59	3.44	0.43	34.50	105.89									
C75TE007	47.41	11.03	13.59	3.59	6.82	0.85	40.08	123.37									

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	C80GV006	27.71	7.20	17.69	4.05	0.79	0.10	20.46	78.00	31.66	7.26	23.58	5.39	0.94	0.12	25.07	94.02
	C80GV013	53.09	17.02	12.32	2.82	3.47	0.43	50.40	139.55	58.98	17.10	15.58	3.57	4.36	0.54	59.13	159.26
	C80GV014	67.94	21.74	12.32	2.82	3.47	0.43	64.48	173.20	75.48	21.85	15.58	3.57	4.36	0.54	75.65	197.03
	C80GV015	73.10	23.38	12.75	2.92	3.47	0.43	69.38	185.43	81.22	23.50	16.09	3.68	4.36	0.54	81.39	210.78
	C80GV016	93.31	29.84	16.98	3.88	4.05	0.50	88.56	237.12	103.68	29.98	21.79	4.99	5.01	0.62	103.89	269.96
	C80GV020	33.06	9.60	17.69	4.05	1.15	0.14	27.89	93.58	37.19	9.68	23.58	5.39	1.39	0.17	33.35	110.75
	C80GV022	56.16	16.24	17.69	4.05	1.15	0.14	47.35	142.78	63.19	16.37	23.58	5.39	1.39	0.17	56.62	166.71
	C80GV023	41.50	12.02	14.81	3.39	1.15	0.14	35.00	108.01	46.69	12.12	19.75	4.52	1.39	0.17	41.85	126.49
	C80GV025	22.61	5.88	13.27	3.04	0.65	0.08	16.70	62.23	25.84	5.92	17.69	4.05	0.80	0.10	20.45	74.85
	C80GV026	30.44	7.94	15.43	3.53	1.23	0.15	22.49	81.21	34.79	8.00	20.58	4.71	1.49	0.19	27.55	97.31
	C80GV027	24.71	6.46	11.06	2.53	1.21	0.15	18.26	64.38	28.23	6.51	14.74	3.37	1.47	0.18	22.37	76.87
	C80GV028	31.70	8.28	17.69	4.05	1.45	0.18	23.43	86.78	36.23	8.35	23.58	5.39	1.77	0.22	28.70	104.24
	C80GV029	31.79	8.30	17.69	4.05	1.45	0.18	23.50	86.96	36.34	8.37	23.58	5.39	1.77	0.22	28.79	104.46
	C80GV030	31.83	8.31	17.69	4.05	1.45	0.18	23.53	87.04	36.38	8.38	23.58	5.39	1.77	0.22	28.82	104.54
	C80GV031	31.93	9.29	17.69	4.05	1.45	0.18	26.94	91.53	35.92	9.37	23.58	5.39	1.77	0.22	32.22	108.47
	C80GV032	43.60	12.75	18.66	4.27	4.92	0.61	36.82	121.63	49.04	12.85	24.88	5.69	5.96	0.74	44.02	143.18
	C80LB001	25.28	7.38	16.14	3.69	1.39	0.17	21.35	75.40	28.45	7.44	21.52	4.92	1.70	0.21	25.52	89.76
	C80LB002	33.96	9.91	19.01	4.35	1.93	0.24	28.67	98.07	38.20	9.99	25.35	5.80	2.38	0.30	34.28	116.30
	C80LB003	24.74	6.48	16.14	3.69	1.39	0.17	18.30	70.91	28.28	6.54	21.52	4.92	1.70	0.21	22.41	85.58
	C80LB004	20.53	5.36	15.48	3.54	0.97	0.12	15.17	61.17	23.46	5.41	20.64	4.72	1.20	0.15	18.58	74.16
	C80LB005	17.03	3.94	8.40	2.66	0.94	0.12	10.79	43.88	19.87	3.99	11.20	3.55	1.20	0.15	13.64	53.60
	C80LB006	19.77	4.57	8.84	2.80	0.96	0.12	12.52	49.58	23.06	4.62	11.79	3.73	1.19	0.15	15.83	60.37
	C80LB007	17.37	4.55	8.84	2.02	0.96	0.12	12.84	46.70	19.85	4.59	11.79	2.70	1.19	0.15	15.73	56.00
	C80LI009	20.02	5.24	15.48	3.54	1.03	0.13	14.80	60.24	22.88	5.28	20.64	4.72	1.28	0.16	18.13	73.09
	C80LI010	23.87	6.25	13.93	3.19	1.26	0.16	17.65	66.31	27.28	6.30	18.57	4.25	1.53	0.19	21.62	79.74
	C80LI011	25.14	6.59	16.14	3.69	1.49	0.19	18.59	71.83	28.73	6.65	21.52	4.92	1.82	0.23	22.78	86.65
	C80TD001	27.81	8.24	8.68	1.98	3.29	0.41	23.53	73.94	31.28	8.31	11.01	2.52	4.10	0.51	28.14	85.87
	C80TD002	34.90	10.28	10.57	2.42	3.12	0.39	29.51	91.19	39.26	10.36	13.49	3.08	3.78	0.47	35.28	105.72
	C80TD005	37.66	12.28	28.37	6.49	3.98	0.50	35.85	125.13	41.85	12.34	37.03	8.47	4.89	0.61	42.06	147.25
	C80TE001	19.58	5.11	11.06	2.53	0.79	0.10	14.47	53.64	22.38	5.15	14.74	3.37	0.97	0.12	17.72	64.45
	C80TE002	15.63	4.10	11.06	2.53	0.91	0.11	11.56	45.90	17.86	4.13	14.74	3.37	1.13	0.14	14.16	55.53
	C80TE003	20.78	5.46	16.36	3.74	1.39	0.17	15.38	63.28	23.75	5.51	21.82	4.99	1.70	0.21	18.84	76.82
	C80TE005	14.70	3.42	10.70	3.39	1.00	0.12	9.32	42.65	17.15	3.46	14.27	4.52	1.24	0.15	11.78	52.57
	C80TE006	14.70	3.42	10.70	3.39	1.00	0.12	9.32	42.65	17.15	3.46	14.27	4.52	1.24	0.15	11.78	52.57

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																
	C80TE007	20.55	5.39	13.97	3.20	1.25	0.16	15.20	59.72	23.48	5.44	18.63	4.26	1.52	0.19	18.62	72.14
C85																	
	C85AM016	40.88	14.22	8.86	1.87	0.00	0.00	40.92	106.75	49.96	14.36	11.40	2.41	0.00	0.00	52.66	130.79
	C85AM017	43.67	15.19	8.86	1.87	0.00	0.00	43.72	113.31	53.37	15.34	11.40	2.41	0.00	0.00	56.26	138.78
	C85KC003	36.08	11.47	7.46	1.44	0.00	0.00	32.30	88.75	45.10	11.62	9.59	1.86	0.00	0.00	42.77	110.94
	C85KC004	22.78	7.24	5.01	0.97	0.00	0.00	20.39	56.39	28.47	7.34	6.44	1.25	0.00	0.00	27.00	70.50
	C85KC005	26.28	8.35	5.99	1.16	0.00	0.00	23.52	65.30	32.85	8.46	7.71	1.49	0.00	0.00	31.15	81.66
	C85KC006	61.31	21.33	7.85	1.66	0.00	0.00	61.38	153.53	74.93	21.54	10.09	2.13	0.00	0.00	78.99	187.68
	C85KC007	22.04	6.99	5.01	0.88	0.00	0.00	18.51	53.43	26.45	7.06	6.44	1.13	0.00	0.00	23.67	64.75
	C85KC008	43.51	15.14	8.89	1.88	0.00	0.00	43.56	112.98	53.18	15.29	11.43	2.41	0.00	0.00	56.06	138.37
	C85LB013	28.39	9.02	7.40	1.43	0.00	0.00	25.41	71.65	35.48	9.14	9.52	1.84	0.00	0.00	33.64	89.62
	C85LB014	37.25	11.84	7.40	1.43	0.00	0.00	33.35	91.27	46.56	12.00	9.52	1.84	0.00	0.00	44.15	114.07
	C85LB015	41.98	13.35	5.82	1.13	0.00	0.00	37.59	99.87	52.48	13.52	7.49	1.45	0.00	0.00	49.76	124.70
	C85LB016	49.69	17.29	6.98	1.47	0.00	0.00	49.74	125.17	60.73	17.46	8.97	1.89	0.00	0.00	64.01	153.06
	C85LB017	64.99	22.61	12.38	2.61	0.00	0.00	65.06	167.65	79.43	22.84	15.92	3.36	0.00	0.00	83.73	205.28
	C85LB018	17.98	5.70	4.14	0.73	0.00	0.00	15.10	43.65	21.57	5.76	5.32	0.94	0.00	0.00	19.31	52.90
	C85LB019	31.70	8.99	9.87	2.95	0.00	0.00	30.15	83.66	39.02	9.12	13.04	3.90	0.00	0.00	41.50	106.58
	C85LB020	41.65	11.81	9.87	2.95	0.00	0.00	39.62	105.90	51.27	11.98	13.04	3.90	0.00	0.00	54.54	134.73
	C85LB021	41.00	13.00	7.77	1.50	0.00	0.00	43.61	106.88	49.19	13.14	10.26	1.99	0.00	0.00	57.80	132.38
	C85LB022	54.86	17.39	9.30	1.80	0.00	0.00	58.36	141.71	65.83	17.58	12.30	2.38	0.00	0.00	77.35	175.44
	C85LB023	60.13	21.08	16.51	3.49	0.00	0.00	70.66	171.87	75.17	21.31	21.82	4.61	0.00	0.00	96.78	219.69
	C85LI001	25.12	7.98	5.82	1.13	0.00	0.00	22.49	62.54	31.39	8.09	7.49	1.45	0.00	0.00	29.77	78.19
	C85MA001	42.08	13.34	12.57	2.43	0.00	0.00	44.77	115.19	50.50	13.49	16.61	3.22	0.00	0.00	59.34	143.16
	C85MA002	67.91	21.53	12.57	2.43	0.00	0.00	72.24	176.68	81.49	21.76	16.61	3.22	0.00	0.00	95.75	218.83
	C85MA003	71.57	25.09	25.51	5.39	0.00	0.00	84.09	211.65	89.46	25.37	33.71	7.12	0.00	0.00	115.18	270.84
	C85MA004	41.40	13.16	9.43	1.83	0.00	0.00	37.07	102.89	51.75	13.34	12.12	2.35	0.00	0.00	49.08	128.64
	C85MA005	47.31	15.04	9.43	1.83	0.00	0.00	42.36	115.97	59.14	15.24	12.12	2.35	0.00	0.00	56.08	144.93
	C85MA006	56.36	19.61	9.43	1.99	0.00	0.00	56.42	143.81	68.88	19.81	12.12	2.56	0.00	0.00	72.61	175.98
	C85MA007	88.67	30.86	12.13	2.56	0.00	0.00	88.78	223.00	108.38	31.16	15.59	3.29	0.00	0.00	114.24	272.66
	C85MA008	53.01	16.85	9.43	1.83	0.00	0.00	47.46	128.58	66.26	17.07	12.12	2.35	0.00	0.00	62.83	160.63
	C85MA009	47.52	16.66	12.38	2.61	0.00	0.00	55.84	135.01	59.41	16.84	16.36	3.45	0.00	0.00	76.49	172.55
	C85MA010	57.38	19.97	9.29	1.96	0.00	0.00	57.45	146.05	70.14	20.17	11.94	2.52	0.00	0.00	73.93	178.70
	C85TE001	26.99	7.65	5.63	1.68	0.00	0.00	25.68	67.63	33.22	7.76	7.44	2.23	0.00	0.00	35.34	85.99
	C85TE002	37.55	10.65	9.38	2.81	0.00	0.00	35.72	96.11	46.21	10.80	12.40	3.71	0.00	0.00	49.16	122.28

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																
	C85TE003	42.05	13.33	12.57	2.43	0.00	0.00	44.73	115.11	50.46	13.48	16.61	3.22	0.00	0.00	59.29	143.06
	C85TE008	24.91	7.92	5.18	1.00	0.00	0.00	22.30	61.31	31.14	8.02	6.66	1.29	0.00	0.00	29.53	76.64
	C85TE009	31.02	9.86	6.47	1.25	0.00	0.00	27.77	76.37	38.78	9.99	8.32	1.61	0.00	0.00	36.77	95.47
	C85TE010	39.42	12.53	6.75	1.31	0.00	0.00	35.29	95.30	49.28	12.70	8.68	1.68	0.00	0.00	46.72	119.06
	C85TE011	52.90	18.41	8.86	1.87	0.00	0.00	52.96	135.00	64.65	18.59	11.40	2.41	0.00	0.00	68.15	165.20
	C85TE012	53.10	18.48	9.43	1.99	0.00	0.00	53.16	136.16	64.90	18.66	12.12	2.56	0.00	0.00	68.41	166.65
	C85TE013	58.28	20.28	9.43	1.99	0.00	0.00	58.35	148.33	71.23	20.48	12.12	2.56	0.00	0.00	75.08	181.47
C85TE014	48.30	16.81	8.86	1.87	0.00	0.00	48.35	124.19	59.03	16.97	11.40	2.41	0.00	0.00	62.22	152.03	
C90																	
	C90LB001	47.84	16.95	10.63	2.43	4.22	0.53	48.30	130.90	53.16	17.03	13.94	3.19	5.21	0.65	56.67	149.85
	C90LB002	55.24	19.54	12.06	2.76	4.22	0.53	55.75	150.10	61.38	19.63	15.76	3.61	5.21	0.65	65.41	171.65
C90LB003	87.70	31.00	15.96	3.65	6.32	0.79	88.51	233.93	97.44	31.15	20.71	4.74	7.82	0.97	103.83	266.66	
C95																	
	C95AP004	19.29	6.11	5.41	6.38	0.00	0.00	18.35	55.54								
	C95AP005	0.61	0.19	0.00	0.00	0.00	0.00	0.58	1.38								
	C95AP006	1.13	0.36	0.00	0.00	0.00	0.00	1.08	2.57								
	C95AP007	30.47	9.66	9.00	8.96	0.00	0.00	28.98	87.07								
	C95AP008	4.63	1.47	0.00	0.50	0.00	0.00	4.40	11.00								
	C95AP009	1.53	0.49	0.00	0.00	0.00	0.00	1.46	3.48								
	C95AP010	40.69	12.90	9.17	9.03	0.00	0.00	38.71	110.50								
	C95AP011	1.43	0.45	0.00	0.00	0.00	0.00	1.36	3.24								
	C95AP012	5.79	1.83	0.00	0.50	0.00	0.00	5.50	13.62								
	C95AP013	38.88	12.32	14.96	11.58	0.00	0.00	36.98	114.72								
	C95AP014	1.30	0.41	0.00	0.00	0.00	0.00	1.24	2.95								
	C95AP015	5.04	1.60	0.00	0.50	0.00	0.00	4.79	11.93								
	C95AP016	1.76	0.56	0.00	0.00	0.00	0.00	1.67	3.99								
	C95AP017	16.44	5.21	5.28	5.32	0.00	0.00	15.64	47.89								
	C95AP018	0.54	0.17	0.00	0.00	0.00	0.00	0.51	1.22								
	C95AP019	3.13	0.99	0.00	0.50	0.00	0.00	2.98	7.60								
	C95AP020	18.13	5.75	9.42	7.14	0.00	0.00	17.25	57.69								
	C95AP021	28.38	9.00	10.90	8.79	0.00	0.00	27.00	84.07								
	C95AP022	4.27	1.35	1.01	1.44	0.00	0.00	4.06	12.13								
	C95AP023	0.10	0.03	0.00	0.00	0.00	0.00	0.10	0.23								
C95LH003	16.82	5.33	4.61	5.03	0.00	0.00	16.00	47.79									

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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
C95	<i>cont.</i>																
	C95LH005	21.89	6.94	6.25	6.75	0.00	0.00	20.82	62.65								
	C95LH011	40.89	12.96	9.42	9.14	0.00	0.00	38.90	111.31								
	C95LH013	52.22	16.55	9.42	9.14	0.00	0.00	49.67	137.00								
	C95LH015	69.59	22.06	13.39	12.89	0.00	0.00	66.20	184.13								
	C95LH022	14.80	4.73	1.48	2.65	0.46	0.06	14.11	38.29								
	C95LH023	20.68	6.61	2.75	4.21	0.63	0.08	19.70	54.66								
D10	D10IR003	6.42	1.77	0.00	0.79	0.00	0.00	7.92	16.90								
	D10IR005	28.01	5.66	11.81	2.91	0.00	0.00	34.58	82.97								
	D10SU002	7.90	2.18	0.00	0.80	0.00	0.00	9.76	20.64								
	D10SU003	8.09	2.23	0.00	0.80	0.00	0.00	9.98	21.10								
	D10SU005	12.29	2.48	14.28	3.52	0.00	0.00	15.17	47.74								
	D10SU006	12.44	2.51	14.28	3.52	0.00	0.00	15.36	48.11								
	D15	D15BI001	1.18	0.24	1.93	0.54	0.00	0.00	1.32	5.21							
D15BI002		1.60	0.32	1.10	0.27	0.00	0.00	1.78	5.07								
D15BI003		2.49	0.50	1.65	0.41	0.00	0.00	2.76	7.81								
D15BI004		3.45	0.70	2.47	0.61	0.00	0.00	3.84	11.07								
D15BI005		5.27	1.07	3.74	0.92	0.00	0.00	5.86	16.86								
D15BI006		8.24	1.67	6.04	1.49	0.00	0.00	9.17	26.61								
D15BI007		12.08	2.44	9.39	2.31	0.00	0.00	13.43	39.65								
D15BI008		10.10	2.04	9.39	2.31	0.00	0.00	11.23	35.07								
D15XX001		0.46	0.09	0.00	0.00	0.00	0.00	0.51	1.06								
D15XX002		0.69	0.14	0.00	0.00	0.00	0.00	0.77	1.60								
D20	D20AD002	0.40	0.07	0.10	0.29	0.00	0.00	0.42	1.28								
	D20AD005	0.40	0.07	0.10	0.29	0.00	0.00	0.42	1.28								
	D20AD006	0.66	0.11	0.21	0.48	0.00	0.00	0.69	2.15								
	D20AD007	1.08	0.18	0.42	0.97	0.00	0.00	1.14	3.79								
	D20CQ001	2.54	0.42	5.07	2.21	0.00	0.00	2.66	12.90								
	D20LY001	0.58	0.10	0.16	0.56	0.00	0.00	0.61	2.01								
	D20LY002	0.60	0.10	0.00	0.60	0.00	0.00	0.63	1.93								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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
D25	D25AD003	5.64	1.14	3.79	0.80	0.00	0.00	6.97	18.34								
	D25AD004	4.50	0.91	1.54	0.33	0.00	0.00	5.56	12.84								
	D25EZ001	0.61	0.12	0.00	0.50	0.00	0.00	0.76	1.99								
	D25EZ002	0.50	0.11	0.00	0.50	0.06	0.01	0.62	1.80								
	D25EZ003	0.54	0.11	0.00	0.50	0.04	0.00	0.67	1.86								
	D25EZ005	2.05	0.42	0.00	1.25	0.08	0.01	2.54	6.35								
D30	D30HD001	7.26	1.47	11.54	4.84	0.00	0.00	8.96	34.07								
	D30HD002	10.90	2.20	14.83	6.65	0.00	0.00	13.46	48.04								
	D30HD003	14.20	2.87	18.40	8.53	0.00	0.00	17.54	61.54								
	D30MR001	0.61	0.12	0.97	0.27	0.00	0.00	0.76	2.73								
	D30MR003	6.09	1.24	3.19	0.79	0.13	0.02	7.54	19.00								
	D30MR005	11.12	2.28	27.56	6.79	0.51	0.06	13.79	62.11								
	D30MR006	12.83	2.63	8.28	2.04	0.51	0.06	15.89	42.24								
	D30MR007	18.31	3.74	8.28	2.04	0.51	0.06	22.67	55.61								
D35	D35IB003	21.69	6.93	29.73	8.37	1.13	0.14	25.15	93.14								
	D35IB004	20.61	6.61	29.18	8.21	1.54	0.19	23.91	90.25								
	D35IB005	23.93	7.66	35.22	9.91	1.54	0.19	27.75	106.20								
	D35IB006	25.17	8.05	35.87	10.10	1.54	0.19	29.19	110.11								
	D35RD001	19.04	4.77	25.32	8.47	0.00	0.00	22.04	79.64								
	D35RD004	26.31	6.59	23.62	7.90	0.00	0.00	30.46	94.88								
	D35RD005	26.62	6.67	23.62	7.90	0.00	0.00	30.82	95.63								
	D35RD006	27.76	6.95	23.62	7.90	0.00	0.00	32.13	98.36								
	D35RD007	30.64	7.67	41.21	13.78	0.00	0.00	35.47	128.77								
	D35RD009	33.73	10.69	41.21	11.60	0.00	0.00	39.04	136.27								
F10	F10C4039	5.74	1.09	4.64	0.98	0.75	0.09	4.67	17.96								
	F10C4040	7.85	1.48	4.64	0.98	0.75	0.09	6.37	22.16								
	F10C4042	8.77	1.64	4.64	0.98	0.56	0.07	7.10	23.76								
	F10C4043	9.21	1.74	4.64	0.98	0.96	0.12	7.48	25.13								
	F10JC001	4.30	0.83	2.96	0.63	0.56	0.07	3.51	12.86								
	F10JC002	4.92	0.94	2.96	0.63	0.58	0.07	4.01	14.11								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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
F10	<i>cont.</i>																
	F10JD001	3.87	0.75	3.23	0.68	0.47	0.06	3.16	12.22								
	F10JD002	3.92	0.76	3.23	0.68	0.47	0.06	3.20	12.32								
	F10JD003	4.17	0.80	3.23	0.68	0.47	0.06	3.40	12.81								
G10	G10CA012	2.77	0.42	13.89	2.93	0.00	0.00	1.82	21.83	3.46	0.43	18.51	3.91	0.00	0.00	2.60	28.91
	G10CA013	3.51	0.54	17.91	3.78	0.00	0.00	2.31	28.05	4.39	0.55	23.88	5.04	0.00	0.00	3.30	37.16
	G10CA014	4.57	0.70	23.70	5.00	0.00	0.00	3.00	36.97	5.72	0.72	31.60	6.67	0.00	0.00	4.29	49.00
	G10CA015	6.31	0.96	30.38	6.41	0.00	0.00	4.14	48.20	7.89	0.99	40.51	8.55	0.00	0.00	5.92	63.86
	G10CA016	7.84	1.20	36.13	7.63	0.00	0.00	5.15	57.95	9.80	1.23	48.17	10.17	0.00	0.00	7.36	76.73
	G10CA017	12.30	1.88	48.16	10.17	0.00	0.00	8.08	80.59	15.37	1.93	64.21	13.56	0.00	0.00	11.55	106.62
	G10CA018	15.61	2.39	63.81	13.47	0.00	0.00	10.25	105.53	19.52	2.45	85.08	17.96	0.00	0.00	14.66	139.67
	G10CA019	26.26	4.01	101.88	21.51	0.00	0.00	17.25	170.91	32.83	4.12	135.84	28.68	0.00	0.00	24.66	226.13
	G10CA020	2.18	0.33	7.69	1.62	0.00	0.00	1.43	13.25	2.72	0.34	10.26	2.17	0.00	0.00	2.04	17.53
	G10WC001	0.24	0.03	0.79	0.17	0.00	0.00	0.13	1.36	0.27	0.03	1.03	0.22	0.00	0.00	0.18	1.73
	G10WC002	0.30	0.04	1.08	0.23	0.00	0.00	0.17	1.82	0.35	0.04	1.41	0.30	0.00	0.00	0.23	2.33
	G10WC003	0.44	0.06	1.57	0.33	0.00	0.00	0.25	2.65	0.50	0.06	2.05	0.43	0.00	0.00	0.33	3.37
	G10WC004	0.50	0.06	1.77	0.37	0.00	0.00	0.28	2.98	0.57	0.06	2.31	0.49	0.00	0.00	0.37	3.80
	G10XX001	0.10	0.01	0.10	0.02	0.00	0.00	0.05	0.28	0.11	0.01	0.13	0.03	0.00	0.00	0.07	0.35
	G10XX002	0.61	0.08	1.86	0.39	0.00	0.00	0.34	3.28	0.70	0.08	2.44	0.52	0.00	0.00	0.46	4.20
	G10XX003	1.08	0.14	1.02	0.22	0.00	0.00	0.61	3.07	1.24	0.14	1.36	0.29	0.00	0.00	0.81	3.84
	G10XX004	0.57	0.07	0.40	0.08	0.00	0.00	0.32	1.44	0.66	0.07	0.53	0.11	0.00	0.00	0.43	1.80
	G10XX005	1.37	0.21	3.53	0.75	0.00	0.00	0.90	6.76	1.71	0.21	4.62	0.98	0.00	0.00	1.28	8.80
	G10XX006	1.23	0.19	4.91	1.04	0.00	0.00	0.81	8.18	1.54	0.19	6.42	1.36	0.00	0.00	1.16	10.67
	G10XX007	1.50	0.23	6.87	1.45	0.00	0.00	0.98	11.03	1.87	0.23	8.98	1.90	0.00	0.00	1.40	14.38
G10XX008	1.89	0.29	4.73	1.00	0.00	0.00	1.24	9.15	2.36	0.30	6.31	1.33	0.00	0.00	1.77	12.07	
G10XX009	1.94	0.30	6.32	1.33	0.00	0.00	1.27	11.16	2.42	0.30	8.43	1.78	0.00	0.00	1.82	14.75	
G10XX010	2.66	0.41	8.84	1.87	0.00	0.00	1.74	15.52	3.32	0.42	11.79	2.49	0.00	0.00	2.49	20.51	
G10XX011	3.21	0.49	16.58	3.50	0.00	0.00	2.11	25.89	4.01	0.50	22.11	4.67	0.00	0.00	3.01	34.30	
G10XX012	4.64	0.71	18.93	4.00	0.00	0.00	3.05	31.33	5.80	0.73	25.23	5.33	0.00	0.00	4.35	41.44	
G10XX013	6.82	1.04	25.21	5.32	0.00	0.00	4.48	42.87	8.53	1.07	33.61	7.10	0.00	0.00	6.41	56.72	
G10XX014	8.59	1.31	31.53	6.66	0.00	0.00	5.64	53.73	10.74	1.35	42.04	8.88	0.00	0.00	8.06	71.07	
G10XX015	12.56	1.92	46.43	9.80	0.00	0.00	8.25	78.96	15.71	1.97	61.91	13.07	0.00	0.00	11.80	104.46	
G10XX016	19.35	2.96	63.01	13.30	0.00	0.00	12.71	111.33	24.19	3.04	84.02	17.74	0.00	0.00	18.17	147.16	

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	G15CA001	9.79	2.84	5.19	1.55	0.75	0.09	8.45	28.66	10.51	2.85	6.70	2.00	1.02	0.13	10.28	33.49
	G15CA003	11.55	3.34	5.82	1.74	0.75	0.09	9.97	33.26	12.41	3.36	7.50	2.24	1.02	0.13	12.13	38.79
	G15CA004	12.28	3.55	6.85	2.05	0.84	0.10	10.60	36.27	13.19	3.57	8.84	2.64	1.13	0.14	12.90	42.41
	G15CA005	16.73	4.89	8.93	2.67	2.04	0.25	14.47	49.98	17.97	4.91	11.52	3.45	2.76	0.34	17.62	58.57
	G15CA006	23.98	7.05	11.42	3.42	4.10	0.51	20.77	71.25	25.76	7.08	14.74	4.41	5.54	0.69	25.28	83.50
	G15CA007	10.40	3.01	5.61	1.68	0.75	0.09	8.98	30.52	11.17	3.03	7.24	2.17	1.02	0.13	10.93	35.69
	G15CA008	14.18	4.10	7.68	2.30	0.90	0.11	12.23	41.50	15.23	4.11	9.92	2.97	1.25	0.16	14.88	48.52
	G15CA009	13.23	3.83	7.68	2.30	0.87	0.11	11.41	39.43	14.21	3.84	9.92	2.97	1.17	0.15	13.89	46.15
	G15CA010	15.35	4.43	8.31	2.49	0.93	0.12	13.24	44.87	16.49	4.45	10.72	3.21	1.29	0.16	16.12	52.44
	G15JD008	10.38	3.06	6.27	1.88	1.67	0.21	8.99	32.46	11.14	3.07	8.09	2.42	2.26	0.28	10.94	38.20
	G15JD009	11.83	3.47	6.48	1.94	1.79	0.22	10.24	35.97	12.71	3.49	8.36	2.50	2.49	0.31	12.47	42.33
	G15JD010	11.97	3.51	7.68	2.30	1.67	0.21	10.36	37.70	12.85	3.53	9.92	2.97	2.26	0.28	12.61	44.42
	G15JD011	13.60	3.98	8.52	2.55	1.79	0.22	11.76	42.42	14.61	3.99	10.99	3.29	2.49	0.31	14.32	50.00
	G15KM006	12.04	3.53	5.98	1.79	1.79	0.22	10.42	35.77	12.93	3.55	7.72	2.31	2.49	0.31	12.69	42.00
	G15KM007	10.89	3.21	6.90	2.06	1.89	0.24	9.44	34.63	11.70	3.23	8.90	2.66	2.55	0.32	11.50	40.86
	G15KM008	14.05	4.12	8.47	2.53	2.02	0.25	12.16	43.60	15.09	4.14	10.93	3.27	2.82	0.35	14.80	51.40
G15KM009	18.06	5.27	10.18	3.05	2.04	0.25	15.61	54.46	19.40	5.29	13.13	3.93	2.76	0.34	19.01	63.86	
H10	H10NP001	0.84	0.10	0.00	0.50	0.00	0.00	0.91	2.35								
	H10NP002	0.93	0.11	0.00	0.50	0.00	0.00	1.01	2.55								
	H10NP003	1.40	0.16	0.00	0.75	0.00	0.00	1.51	3.82								
	H10NP004	1.80	0.21	0.00	0.75	0.00	0.00	1.94	4.70								
	H10NP005	2.38	0.28	0.00	1.00	0.00	0.00	2.57	6.23								
	H10NP006	3.20	0.37	0.00	1.00	0.00	0.00	3.45	8.02								
	H10NP007	4.39	0.51	0.00	1.00	0.00	0.00	4.73	10.63								
	H10NP008	4.85	0.57	0.00	1.25	0.00	0.00	5.23	11.90								
	H10NP009	6.19	0.72	0.00	1.25	0.00	0.00	6.67	14.83								
	H10NP015	7.54	0.88	0.00	1.25	0.00	0.00	8.13	17.80								
	H10NP016	10.39	1.22	0.00	1.25	0.00	0.00	11.19	24.05								
	H10NP017	13.57	1.59	0.00	1.25	0.00	0.00	14.62	31.03								
	H10NP018	31.48	3.68	0.00	1.25	0.00	0.00	33.92	70.33								
H13	H13AY007	11.74	2.15	0.00	0.00	0.00	0.00	11.37	25.26								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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.																
	H13AY008	5.71	1.05	0.00	0.00	0.00	0.00	5.53	12.29								
	H13AY009	10.44	1.92	0.00	0.00	0.00	0.00	10.11	22.47								
	H13AY010	5.27	0.97	0.00	0.00	0.00	0.00	5.10	11.34								
	H13AY011	8.71	1.60	0.00	0.00	0.00	0.00	8.44	18.75								
	H13AY012	4.41	0.81	0.00	0.00	0.00	0.00	4.27	9.49								
	H13AY013	6.98	1.28	0.00	0.00	0.00	0.00	6.76	15.02								
	H13AY014	3.71	0.68	0.00	0.00	0.00	0.00	3.59	7.98								
	H13AY015	4.11	0.75	0.00	0.00	0.00	0.00	3.98	8.84								
	H13AY016	2.64	0.49	0.00	0.00	0.00	0.00	2.56	5.69								
	H13AY017	13.00	2.39	0.00	0.00	0.00	0.00	12.59	27.98								
	H13AY018	6.58	1.21	0.00	0.00	0.00	0.00	6.37	14.16								
	H13AY019	0.86	0.16	0.04	0.27	0.00	0.00	0.83	2.16								
	H13AY020	1.12	0.20	0.04	0.27	0.00	0.00	1.08	2.71								
	H13AY021	14.72	2.49	0.00	0.00	0.31	0.04	11.95	29.51								
	H13AY022	7.85	1.34	0.00	0.00	0.31	0.04	6.39	15.93								
	H13AY023	13.35	2.26	0.00	0.00	0.31	0.04	10.84	26.80								
	H13AY024	6.94	1.19	0.00	0.00	0.31	0.04	5.65	14.13								
	H13AY025	11.88	2.01	0.00	0.00	0.31	0.04	9.65	23.89								
	H13AY026	6.39	1.10	0.00	0.00	0.31	0.04	5.20	13.04								
	H13AY027	9.97	1.69	0.00	0.00	0.31	0.04	8.10	20.11								
	H13AY028	5.39	0.93	0.00	0.00	0.31	0.04	4.39	11.06								
	H13AY029	8.04	1.37	0.00	0.00	0.31	0.04	6.54	16.30								
	H13AY030	4.56	0.79	0.00	0.00	0.31	0.04	3.72	9.42								
	H13AY031	4.97	0.86	0.00	0.00	0.31	0.04	4.05	10.23								
	H13AY032	3.42	0.60	0.00	0.00	0.31	0.04	2.79	7.16								
	H13BB001	5.87	0.45	0.42	0.92	0.00	0.00	5.96	13.62								
	H13BB002	7.52	0.58	0.63	1.25	0.00	0.00	7.62	17.60								
	H13BC003	3.98	0.33	0.21	0.09	0.00	0.00	3.00	7.61								
	H13BC006	3.92	0.33	0.13	0.06	0.00	0.00	2.95	7.39								
	H13BC007	5.01	0.42	0.13	0.06	0.00	0.00	3.77	9.39								
	H13BC008	5.94	0.50	0.21	0.09	0.00	0.00	4.48	11.22								
H13BC009	4.20	0.35	0.13	0.06	0.00	0.00	3.17	7.91									
H13BC010	2.93	0.24	0.13	0.06	0.00	0.00	2.21	5.57									
H13BC011	3.30	0.28	0.21	0.09	0.00	0.00	2.49	6.37									
H13BC012	2.70	0.23	0.13	0.06	0.00	0.00	2.04	5.16									

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																
	H13BC013	2.44	0.20	0.13	0.06	0.00	0.00	1.84	4.67								
	H13CB001	1.74	0.29	0.21	0.34	0.00	0.00	1.41	3.99								
	H13CB002	1.90	0.32	0.42	0.43	0.00	0.00	1.54	4.61								
	H13CO002	0.71	0.12	0.21	0.34	0.00	0.00	0.57	1.95								
	H13CO003	1.16	0.25	0.13	0.31	0.00	0.00	1.12	2.97								
	H13CO004	2.26	0.49	0.13	0.56	0.00	0.00	2.19	5.63								
	H13CO005	3.66	0.79	0.13	0.56	0.00	0.00	3.54	8.68								
	H13CO006	2.68	0.58	0.13	0.41	0.00	0.00	2.59	6.39								
	H13EP001	1.73	0.29	0.21	0.34	0.00	0.00	1.40	3.97								
	H13EP002	2.20	0.48	0.32	0.44	0.00	0.00	2.13	5.57								
	H13MN001	23.82	4.03	6.34	5.51	0.55	0.07	21.76	62.08								
	H13MN002	29.20	4.95	8.45	7.35	0.71	0.09	26.68	77.43								
	H13MN003	33.56	5.68	8.45	8.35	0.71	0.09	30.64	87.48								
	H13MN004	38.79	6.55	12.68	11.02	0.71	0.09	35.42	105.26								
	H13SH001	3.24	0.54	0.85	0.34	0.00	0.00	2.95	7.92								
	H13SH002	2.99	0.50	0.85	0.34	0.00	0.00	2.72	7.40								
	H13SH003	5.98	1.00	1.69	0.67	0.00	0.00	5.45	14.79								
	H13SH004	6.31	1.06	1.69	0.67	0.00	0.00	5.75	15.48								
	H13SH005	10.70	1.79	4.23	1.67	0.00	0.00	9.76	28.15								
	H13SH006	34.67	5.80	12.68	5.02	0.00	0.00	31.61	89.78								
	H13SH007	43.97	7.36	25.35	10.04	0.00	0.00	40.09	126.81								
	H13TH001	0.91	0.15	0.21	0.09	0.00	0.00	0.74	2.10								
H13TH002	1.68	0.29	0.40	0.08	0.07	0.01	1.37	3.90									
H13TH003	2.11	0.36	0.71	0.15	0.07	0.01	1.71	5.12									
H13YB001	26.80	4.48	2.11	0.93	0.00	0.00	21.73	56.05									
H13YB002	26.80	4.48	2.11	0.93	0.00	0.00	21.73	56.05									
H13YB003	26.80	4.48	2.11	0.93	0.00	0.00	21.73	56.05									
H20																	
	H20BE002	1.66	0.28	0.00	0.20	0.00	0.00	1.43	3.57								
	H20BE003	2.15	0.36	0.00	0.30	0.00	0.00	1.85	4.66								
	H20BE004	3.18	0.53	0.00	0.40	0.00	0.00	2.74	6.85								
H25																	
	H25AU001	0.85	0.09	0.00	0.00	0.00	0.00	0.87	1.81								
	H25AU002	0.96	0.10	0.00	0.00	0.00	0.00	0.97	2.03								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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.																
	H25AU003	1.40	0.15	0.00	0.00	0.00	0.00	1.42	2.97								
	H25AU004	2.22	0.24	0.00	0.00	0.00	0.00	2.25	4.71								
	H25AU005	2.26	0.24	0.00	0.00	0.00	0.00	2.29	4.79								
	H25AX001	0.89	0.10	0.00	0.00	0.00	0.00	0.90	1.89								
	H25AX002	0.97	0.10	0.00	0.00	0.00	0.00	0.98	2.05								
	H25AX003	1.09	0.12	0.00	0.00	0.00	0.00	1.10	2.31								
	H25AX004	1.24	0.13	0.00	0.00	0.00	0.00	1.26	2.63								
	H25AX005	1.19	0.13	0.00	0.00	0.00	0.00	1.21	2.53								
	H25AX006	1.35	0.14	0.00	0.00	0.00	0.00	1.37	2.86								
	H25BS001	0.59	0.07	0.00	0.00	0.00	0.00	0.50	1.16								
	H25BS002	0.67	0.08	0.00	0.00	0.00	0.00	0.58	1.33								
	H25BS003	0.72	0.08	0.00	0.00	0.00	0.00	0.62	1.42								
	H25BS004	0.90	0.11	0.00	0.00	0.00	0.00	0.78	1.79								
	H25BS005	1.38	0.16	0.00	0.00	0.00	0.00	1.19	2.73								
	H25CA020	9.13	1.59	3.49	1.17	0.00	0.00	7.64	23.02	11.09	1.63	4.66	1.56	0.00	0.00	11.25	30.19
	H25CA021	10.48	1.83	3.71	1.24	0.00	0.00	8.76	26.02	12.72	1.87	4.95	1.65	0.00	0.00	12.91	34.10
	H25CA022	12.05	2.88	5.32	1.78	0.00	0.00	11.51	33.54	14.46	2.92	7.03	2.35	0.00	0.00	16.41	43.17
	H25CA023	13.93	3.33	5.32	1.78	0.00	0.00	13.30	37.66	16.71	3.38	7.03	2.35	0.00	0.00	18.96	48.43
	H25CA025	17.89	4.28	6.98	2.33	0.00	0.00	17.08	48.56	21.47	4.34	9.23	3.09	0.00	0.00	24.36	62.49
	H25CA027	21.22	5.08	9.22	3.08	0.00	0.00	20.26	58.86	25.47	5.15	12.20	4.08	0.00	0.00	28.90	75.80
	H25CA030	33.02	12.18	18.93	4.00	0.00	0.00	43.37	111.50	41.82	12.32	25.23	5.33	0.00	0.00	62.40	147.10
	H25CA031	34.71	12.80	18.93	4.00	0.00	0.00	45.59	116.03	43.97	12.96	25.23	5.33	0.00	0.00	65.60	153.09
	H25CA032	28.64	6.85	12.05	4.03	0.00	0.00	27.34	78.91	34.37	6.94	15.93	5.33	0.00	0.00	38.99	101.56
	H25CA033	28.45	10.49	16.54	3.49	0.00	0.00	37.36	96.33	36.04	10.62	22.05	4.66	0.00	0.00	53.77	127.14
	H25CA034	2.88	0.48	0.75	0.25	0.00	0.00	2.41	6.77	3.29	0.48	1.00	0.33	0.00	0.00	3.14	8.24
	H25CA035	3.74	0.62	1.11	0.37	0.00	0.00	3.12	8.96	4.27	0.63	1.47	0.49	0.00	0.00	4.08	10.94
	H25CA036	6.34	1.05	1.86	0.62	0.00	0.00	5.30	15.17	7.24	1.06	2.48	0.83	0.00	0.00	6.91	18.52
	H25CA037	6.99	1.22	2.39	0.80	0.00	0.00	5.84	17.24	8.49	1.24	3.18	1.06	0.00	0.00	8.61	22.58
	H25CA038	8.52	1.49	2.39	0.80	0.00	0.00	7.12	20.32	10.35	1.52	3.18	1.06	0.00	0.00	10.50	26.61
	H25CA039	11.94	2.08	4.38	1.46	0.00	0.00	9.99	29.85	14.50	2.13	5.84	1.95	0.00	0.00	14.72	39.14
	H25CA040	9.22	2.21	4.78	1.60	0.00	0.00	8.80	26.61	11.06	2.24	6.32	2.11	0.00	0.00	12.55	34.28
H25CA041	32.77	10.27	17.02	3.29	0.00	0.00	39.15	102.50	38.84	10.38	22.70	4.39	0.00	0.00	51.01	127.32	
H25CA042	34.47	12.71	18.93	4.00	0.00	0.00	45.27	115.38	43.66	12.86	25.23	5.33	0.00	0.00	65.14	152.22	
H25CA043	36.55	13.48	22.68	4.79	0.00	0.00	48.00	125.50	46.30	13.64	30.25	6.39	0.00	0.00	69.08	165.66	
H25CA052	12.46	1.33	0.00	1.50	0.00	0.00	11.36	26.65									

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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.																
	H25CA053	16.86	1.81	0.00	1.60	0.00	0.00	15.37	35.64								
	H25CA054	21.69	2.32	0.00	3.00	0.00	0.00	19.78	46.79								
	H25CA055	3.24	0.35	0.00	0.40	0.00	0.00	2.95	6.94								
	H25CA056	35.43	3.80	0.00	3.00	0.00	0.00	32.30	74.53								
	H25CA057	11.00	1.18	0.00	0.80	0.00	0.00	10.03	23.01								
	H25CA058	2.65	0.28	0.00	0.50	0.00	0.00	2.69	6.12								
	H25CA059	9.64	1.03	0.00	0.60	0.00	0.00	9.78	21.05								
	H25CA060	14.19	1.52	0.00	0.75	0.00	0.00	14.39	30.85								
	H25CA061	12.38	1.33	0.00	0.75	0.00	0.00	12.55	27.01								
	H25CA062	22.64	2.43	0.00	0.90	0.00	0.00	22.96	48.93								
	H25CA063	16.20	1.74	0.00	0.90	0.00	0.00	16.43	35.27								
	H25CA064	19.69	2.11	0.00	1.00	0.00	0.00	19.97	42.77								
	H25KC016	11.30	1.97	4.16	1.39	0.00	0.00	9.45	28.27	13.72	2.01	5.54	1.85	0.00	0.00	13.92	37.04
	H25KC017	7.97	1.39	2.39	0.80	0.00	0.00	6.66	19.21	9.68	1.42	3.18	1.06	0.00	0.00	9.82	25.16
	H25KC019	12.10	2.90	5.94	1.99	0.00	0.00	11.55	34.48	14.52	2.93	7.86	2.63	0.00	0.00	16.48	44.42
	H25KC020	13.85	3.31	5.94	1.99	0.00	0.00	13.22	38.31	16.62	3.36	7.86	2.63	0.00	0.00	18.86	49.33
	H25KC021	13.93	3.33	7.31	2.44	0.00	0.00	13.30	40.31	16.72	3.38	9.67	3.23	0.00	0.00	18.97	51.97
	H25KC022	16.60	3.97	7.31	2.44	0.00	0.00	15.85	46.17	19.92	4.03	9.67	3.23	0.00	0.00	22.60	59.45
	H25KC023	20.10	4.81	9.89	3.31	0.00	0.00	19.19	57.30	24.13	4.88	13.08	4.37	0.00	0.00	27.37	73.83
H25KC024	19.67	6.16	13.53	2.62	0.00	0.00	23.50	65.48	23.31	6.23	18.04	3.49	0.00	0.00	30.62	81.69	
H25KC026	20.61	6.46	13.93	2.70	0.00	0.00	24.62	68.32	24.42	6.53	18.57	3.59	0.00	0.00	32.07	85.18	
H25KM001	13.65	2.38	4.51	1.51	0.00	0.00	11.41	33.46	16.58	2.43	6.01	2.01	0.00	0.00	16.82	43.85	
H25KM003	16.25	2.84	4.73	1.58	0.00	0.00	13.58	38.98	19.73	2.89	6.31	2.11	0.00	0.00	20.02	51.06	
H25KM004	17.09	4.09	6.56	2.19	0.00	0.00	16.31	46.24	20.50	4.14	8.68	2.90	0.00	0.00	23.27	59.49	
H25KM005	23.83	5.70	9.64	3.22	0.00	0.00	22.75	65.14	28.60	5.78	12.75	4.26	0.00	0.00	32.45	83.84	
H25KM009	37.70	13.90	19.59	4.14	0.00	0.00	49.51	124.84	47.75	14.07	26.12	5.52	0.00	0.00	71.25	164.71	
H25KM010	52.24	19.26	27.02	5.71	0.00	0.00	68.60	172.83	66.16	19.50	36.02	7.61	0.00	0.00	98.72	228.01	
H25KM011	54.92	20.25	27.02	5.71	0.00	0.00	72.13	180.03	69.56	20.50	36.02	7.61	0.00	0.00	103.79	237.48	
H25KM012	14.96	3.58	5.52	1.85	0.00	0.00	14.28	40.19	17.95	3.63	7.31	2.44	0.00	0.00	20.37	51.70	
H25KM013	31.28	7.48	12.71	4.25	0.00	0.00	29.86	85.58	37.53	7.58	16.81	5.62	0.00	0.00	42.59	110.13	
H25KM015	34.75	10.89	16.98	3.29	0.00	0.00	41.51	107.42	41.18	11.00	22.64	4.38	0.00	0.00	54.09	133.29	
H25KM016	1.84	0.30	0.35	0.12	0.00	0.00	1.54	4.15	2.10	0.31	0.47	0.16	0.00	0.00	2.01	5.05	
H25KM017	2.48	0.41	0.66	0.22	0.00	0.00	2.08	5.85	2.84	0.42	0.88	0.29	0.00	0.00	2.71	7.14	
H25KM018	3.01	0.50	0.80	0.27	0.00	0.00	2.52	7.10	3.44	0.50	1.06	0.35	0.00	0.00	3.29	8.64	
H25KM019	3.23	0.53	1.15	0.38	0.00	0.00	2.70	7.99	3.69	0.54	1.53	0.51	0.00	0.00	3.52	9.79	

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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.																
	H25KM020	3.62	0.60	1.24	0.41	0.00	0.00	3.03	8.90	4.14	0.61	1.65	0.55	0.00	0.00	3.95	10.90
	H25KM021	4.49	0.74	1.64	0.55	0.00	0.00	3.75	11.17	5.13	0.75	2.18	0.73	0.00	0.00	4.90	13.69
	H25KM022	5.99	0.99	1.77	0.59	0.00	0.00	5.01	14.35	6.85	1.00	2.36	0.79	0.00	0.00	6.53	17.53
	H25KM023	6.95	1.15	2.43	0.81	0.00	0.00	5.81	17.15	7.94	1.16	3.24	1.08	0.00	0.00	7.58	21.00
	H25KM024	7.83	1.29	3.01	1.01	0.00	0.00	6.55	19.69	8.95	1.31	4.01	1.34	0.00	0.00	8.55	24.16
	H25KM025	10.38	1.72	3.58	1.20	0.00	0.00	8.68	25.56	11.87	1.74	4.78	1.60	0.00	0.00	11.33	31.32
	H25KM026	12.57	2.08	3.80	1.27	0.00	0.00	10.51	30.23	14.37	2.11	5.07	1.70	0.00	0.00	13.72	36.97
	H25KM027	15.21	2.66	3.80	1.27	0.00	0.00	12.72	35.66	18.48	2.71	5.07	1.70	0.00	0.00	18.75	46.71
	H25KM028	12.48	2.18	4.73	1.58	0.00	0.00	10.44	31.41	15.16	2.22	6.31	2.11	0.00	0.00	15.38	41.18
	H25KM033	71.45	26.35	40.15	8.48	0.00	0.00	93.83	240.26	90.50	26.67	53.54	11.31	0.00	0.00	135.02	317.04
	H25KN001	4.18	0.45	0.00	0.50	0.00	0.00	4.24	9.37								
	H25KN002	5.77	0.62	0.00	0.50	0.00	0.00	5.85	12.74								
	H25KN003	7.05	0.76	0.00	0.50	0.00	0.00	7.15	15.46								
	H25KN004	9.16	0.98	0.00	0.50	0.00	0.00	9.29	19.93								
	H25KN005	11.51	1.23	0.00	1.00	0.00	0.00	11.67	25.41								
	H25KN006	16.32	1.75	0.00	1.00	0.00	0.00	16.55	35.62								
	H25KN007	0.58	0.06	0.00	0.15	0.00	0.00	0.59	1.38								
	H25KN009	1.18	0.13	0.00	0.15	0.00	0.00	1.20	2.66								
	H25KN010	1.76	0.19	0.00	0.15	0.00	0.00	1.78	3.88								
	H25LI001	8.10	1.41	2.39	0.80	0.00	0.00	6.77	19.47	9.83	1.44	3.18	1.06	0.00	0.00	9.98	25.49
	H25LI002	11.13	1.94	3.76	1.26	0.00	0.00	9.31	27.40	13.52	1.98	5.01	1.68	0.00	0.00	13.71	35.90
	H25LI003	10.77	1.88	3.94	1.32	0.00	0.00	9.00	26.91	13.08	1.92	5.25	1.76	0.00	0.00	13.27	35.28
	H25LI004	13.10	2.29	4.42	1.48	0.00	0.00	10.95	32.24	15.91	2.33	5.90	1.97	0.00	0.00	16.14	42.25
	H25LI005	12.59	2.20	4.47	1.49	0.00	0.00	10.53	31.28	15.29	2.24	5.95	1.99	0.00	0.00	15.52	40.99
	H25LI006	11.13	2.66	5.32	1.78	0.00	0.00	10.63	31.52	13.36	2.70	7.03	2.35	0.00	0.00	15.16	40.60
	H25LI007	14.22	3.40	6.36	2.13	0.00	0.00	13.57	39.68	17.06	3.45	8.41	2.81	0.00	0.00	19.36	51.09
	H25LI008	15.61	3.74	7.39	2.47	0.00	0.00	14.91	44.12	18.74	3.79	9.78	3.27	0.00	0.00	21.26	56.84
	H25LI009	17.77	4.25	9.97	3.33	0.00	0.00	16.96	52.28	21.32	4.31	13.19	4.41	0.00	0.00	24.19	67.42
	H25LI010	26.38	6.31	12.46	4.17	0.00	0.00	25.19	74.51	31.66	6.40	16.48	5.51	0.00	0.00	35.92	95.97
	H25LI011	28.96	10.68	19.37	4.09	0.00	0.00	38.03	101.13	36.68	10.81	25.82	5.45	0.00	0.00	54.73	133.49
	H25LU001	2.70	0.29	0.00	0.40	0.00	0.00	2.46	5.85								
H25LU002	3.65	0.39	0.00	0.50	0.00	0.00	3.33	7.87									
H25LU003	5.70	0.61	0.00	0.80	0.00	0.00	5.20	12.31									
H25LU004	7.30	0.78	0.00	0.90	0.00	0.00	6.66	15.64									
H25LU005	8.30	0.89	0.00	1.10	0.00	0.00	7.56	17.85									

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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.																
	H25LU006	12.31	1.32	0.00	1.50	0.00	0.00	11.22	26.35								
	H25LU007	9.90	1.06	0.00	1.40	0.00	0.00	9.03	21.39								
	H25LU008	13.64	1.46	0.00	1.60	0.00	0.00	12.43	29.13								
	H25LU009	14.21	1.52	0.00	1.70	0.00	0.00	12.95	30.38								
	H25LU010	17.74	1.90	0.00	2.00	0.00	0.00	16.17	37.81								
	H25LU011	16.06	1.72	0.00	2.00	0.00	0.00	14.64	34.42								
	H25LU012	21.38	2.29	0.00	2.50	0.00	0.00	19.49	45.66								
	H25LU013	21.40	2.29	0.00	2.60	0.00	0.00	19.52	45.81								
	H25LU014	25.59	2.74	0.00	3.00	0.00	0.00	23.33	54.66								
	H25LU015	23.29	2.50	0.00	3.00	0.00	0.00	21.24	50.03								
	H25LU016	28.53	3.06	0.00	3.60	0.00	0.00	26.01	61.20								
	H25LU023	1.42	0.17	0.00	0.25	0.00	0.00	1.22	3.06								
	H25LU024	2.07	0.24	0.00	0.30	0.00	0.00	1.78	4.39								
	H25LU025	2.55	0.30	0.00	0.40	0.00	0.00	2.20	5.45								
	H25LU026	2.91	0.34	0.00	0.50	0.00	0.00	2.50	6.25								
	H25LU027	3.26	0.38	0.00	0.60	0.00	0.00	2.81	7.05								
	H25LU028	4.19	0.49	0.00	0.70	0.00	0.00	3.60	8.98								
	H25LU029	3.35	0.39	0.00	0.40	0.00	0.00	2.88	7.02								
	H25LU030	5.18	0.61	0.00	0.60	0.00	0.00	4.46	10.85								
	H25LU031	8.52	1.00	0.00	1.20	0.00	0.00	7.34	18.06								
	H25LU032	10.19	1.19	0.00	1.40	0.00	0.00	8.78	21.56								
	H25LU033	4.65	0.54	0.00	0.60	0.00	0.00	4.01	9.80								
	H25LU034	6.25	0.73	0.00	0.80	0.00	0.00	5.38	13.16								
	H25LU035	6.62	0.77	0.00	0.90	0.00	0.00	5.70	13.99								
	H25LU036	6.98	0.82	0.00	1.00	0.00	0.00	6.01	14.81								
	H25LU040	14.16	1.52	0.00	0.75	0.00	0.00	14.36	30.79								
	H25LU041	17.65	1.89	0.00	0.75	0.00	0.00	17.90	38.19								
	H25LU042	20.97	2.25	0.00	1.50	0.00	0.00	21.27	45.99								
	H25LU045	3.04	0.33	0.00	0.50	0.00	0.00	3.08	6.95								
	H25LU046	3.29	0.35	0.00	0.50	0.00	0.00	3.33	7.47								
	H25LU047	3.78	0.41	0.00	0.60	0.00	0.00	3.84	8.63								
H25LU048	4.28	0.46	0.00	0.70	0.00	0.00	4.34	9.78									
H25LU049	5.19	0.56	0.00	0.80	0.00	0.00	5.26	11.81									
H25LU050	6.33	0.68	0.00	0.90	0.00	0.00	6.42	14.33									
H25LU053	14.49	1.55	0.00	0.75	0.00	0.00	14.69	31.48									

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																
	H25LU054	17.83	1.91	0.00	0.75	0.00	0.00	18.08	38.57								
	H25ME001	2.31	0.38	0.66	0.22	0.00	0.00	1.93	5.50	2.63	0.39	0.88	0.29	0.00	0.00	2.52	6.71
	H25ME002	3.43	0.57	1.77	0.59	0.00	0.00	2.87	9.23	3.92	0.57	2.36	0.79	0.00	0.00	3.74	11.38
	H25ME003	4.88	0.81	2.34	0.78	0.00	0.00	4.08	12.89	5.57	0.82	3.12	1.04	0.00	0.00	5.32	15.87
H25WN001	1.52	0.18	0.00	0.00	0.00	0.00	1.31	3.01									
H30	H30CA005	13.06	2.72	5.44	1.72	0.84	0.10	9.42	33.30	16.33	2.77	7.02	2.22	1.08	0.13	12.76	42.31
	H30CA006	12.74	2.18	4.69	1.49	0.78	0.10	7.68	29.66	15.68	2.23	6.06	1.92	1.00	0.12	10.40	37.41
	H30CA007	14.68	2.50	4.74	1.50	0.78	0.10	8.83	33.13	18.07	2.55	6.11	1.94	1.00	0.12	11.96	41.75
	H30CA008	15.07	3.14	5.40	1.71	1.80	0.22	10.87	38.21	18.84	3.20	6.97	2.21	2.30	0.29	14.73	48.54
	H30GA003	15.27	2.57	9.00	2.85	0.51	0.06	9.17	39.43	18.80	2.63	11.38	3.61	0.62	0.08	12.42	49.54
	H30GA006	25.49	4.29	7.49	2.37	0.81	0.10	15.30	55.85	31.37	4.39	9.46	2.99	1.01	0.13	20.72	70.07
	H30GA008	23.76	4.93	8.96	2.83	2.40	0.30	17.12	60.30	29.70	5.04	11.30	3.58	2.98	0.37	23.20	76.17
	H30KM001	15.85	3.25	5.11	1.62	0.57	0.07	11.39	37.86	19.81	3.33	6.59	2.09	0.73	0.09	15.43	48.07
H35	H35CA001	48.03	13.62	18.75	3.96	0.00	0.00	64.54	148.90	54.89	13.75	25.00	5.28	0.00	0.00	79.86	178.78
	H35HI002	94.58	26.82	44.22	9.34	0.00	0.00	127.10	302.06	108.10	27.07	58.96	12.45	0.00	0.00	157.28	363.86
	H35HI003	194.23	55.07	72.26	15.26	0.00	0.00	260.99	597.81	221.98	55.59	96.34	20.34	0.00	0.00	322.97	717.22
	H35HI004	48.33	13.71	19.19	4.05	0.00	0.00	64.95	150.23	55.24	13.83	25.59	5.40	0.00	0.00	80.37	180.43
	H35HI005	54.80	15.54	24.32	5.14	0.00	0.00	73.64	173.44	62.63	15.68	32.43	6.85	0.00	0.00	91.12	208.71
	H35HI006	55.40	15.71	28.35	5.99	0.00	0.00	74.44	179.89	63.31	15.86	37.79	7.98	0.00	0.00	92.12	217.06
	H35OK001	48.27	13.69	21.93	4.63	0.00	0.00	64.87	153.39	55.17	13.82	29.24	6.17	0.00	0.00	80.27	184.67
	H35OK003	89.71	25.44	37.85	7.99	0.00	0.00	120.54	281.53	102.52	25.68	50.47	10.66	0.00	0.00	149.17	338.50
	H35OK004	124.07	35.18	50.85	10.74	0.00	0.00	166.72	387.56	141.80	35.51	67.80	14.32	0.00	0.00	206.31	465.74
	H35OK005	264.08	74.88	91.09	19.23	0.00	0.00	354.86	804.14	301.81	75.59	121.46	25.65	0.00	0.00	439.13	963.64
L10	L10BS002	2.01	0.37	0.00	0.30	0.00	0.00	1.94	4.62	2.88	0.38	0.00	0.30	0.00	0.00	3.08	6.64
	L10BS004	0.70	0.13	0.00	0.25	0.00	0.00	0.67	1.75	0.99	0.13	0.00	0.25	0.00	0.00	1.06	2.43
	L10BS005	1.83	0.34	0.00	0.30	0.00	0.00	1.77	4.24	2.62	0.35	0.00	0.30	0.00	0.00	2.80	6.07
	L10BS006	2.88	0.53	0.00	0.40	0.00	0.00	2.78	6.59	4.12	0.55	0.00	0.40	0.00	0.00	4.41	9.48
	L10BS007	2.59	0.48	0.00	0.50	0.00	0.00	2.49	6.06	3.70	0.49	0.00	0.50	0.00	0.00	3.96	8.65
	L10BU005	0.57	0.10	0.00	1.10	0.00	0.00	0.55	2.32	0.81	0.11	0.00	1.10	0.00	0.00	0.87	2.89
	L10BU009	0.35	0.06	0.00	0.90	0.00	0.00	0.34	1.65	0.50	0.07	0.00	0.90	0.00	0.00	0.53	2.00

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																
	L10BU010	0.46	0.08	0.00	0.80	0.00	0.00	0.44	1.78	0.65	0.09	0.00	0.80	0.00	0.00	0.70	2.24
	L10BU011	0.93	0.17	0.00	1.50	0.00	0.00	0.89	3.49	1.33	0.18	0.00	1.50	0.00	0.00	1.42	4.43
	L10BU012	1.18	0.22	0.00	2.00	0.00	0.00	1.13	4.53	1.68	0.23	0.00	2.00	0.00	0.00	1.80	5.71
	L10BU013	1.43	0.26	0.00	2.50	0.00	0.00	1.38	5.57	2.04	0.27	0.00	2.50	0.00	0.00	2.19	7.00
	L10VE002	0.97	0.18	3.08	0.81	0.05	0.01	0.94	6.04	1.39	0.19	4.00	1.06	0.06	0.01	1.49	8.20
	L10VE005	0.69	0.13	1.18	0.31	0.04	0.00	0.67	3.02	0.99	0.14	1.53	0.40	0.05	0.01	1.07	4.19
	L10VE006	1.71	0.32	1.18	0.31	0.04	0.00	1.65	5.21	2.45	0.33	1.53	0.40	0.05	0.01	2.63	7.40
	L10VE007	1.65	0.30	0.00	1.50	0.00	0.00	1.59	5.04	2.36	0.32	0.00	1.50	0.00	0.00	2.53	6.71
	L10VE009	1.97	0.37	5.89	1.55	0.04	0.00	1.90	11.72	2.81	0.38	7.66	2.02	0.05	0.01	3.02	15.95
L10VE010	0.96	0.18	2.27	0.60	0.03	0.00	0.93	4.97	1.38	0.19	2.94	0.78	0.03	0.00	1.48	6.80	
L15	L15BW001	2.65	0.21	3.02	0.64	0.04	0.00	1.89	8.45								
	L15BW002	3.79	0.30	4.23	0.89	0.08	0.01	2.70	12.00								
	L15BW003	4.49	0.35	4.23	0.89	0.08	0.01	3.20	13.25								
	L15BW004	7.59	0.59	4.94	1.04	0.00	0.00	5.38	19.54								
	L15FG001	9.89	0.76	8.90	1.87	0.00	0.00	7.02	28.44								
	L15JD001	2.09	0.18	2.42	0.51	0.19	0.02	1.50	6.91								
	L15JD002	2.92	0.24	2.66	0.56	0.20	0.02	2.09	8.69								
	L15JD003	4.53	0.37	1.54	0.33	0.23	0.03	3.24	10.27								
	L15JD004	3.70	0.30	1.21	0.26	0.20	0.02	2.65	8.34								
	L15TO001	0.19	0.01	0.72	0.15	0.00	0.00	0.13	1.20								
	L15TO002	0.47	0.04	0.97	0.20	0.05	0.01	0.34	2.08								
	L15TO003	0.96	0.08	2.05	0.43	0.05	0.01	0.68	4.26								
	L15TO004	1.01	0.08	2.05	0.43	0.04	0.00	0.72	4.33								
	L15TO005	4.19	0.33	1.26	0.27	0.09	0.01	2.98	9.13								
	L15TO006	3.40	0.27	2.78	0.59	0.09	0.01	2.42	9.56								
	L15TO007	3.76	0.30	5.44	1.15	0.09	0.01	2.67	13.42								
L15TO008	4.75	0.37	1.37	0.29	0.09	0.01	3.38	10.26									
L15WI001	1.25	0.10	0.00	0.05	0.03	0.00	0.89	2.32									
L25	L25MB002	0.33	0.05	0.64	1.14	0.00	0.00	0.43	2.59								
	L25MB003	1.10	0.17	1.28	1.52	0.00	0.00	1.42	5.49								
	L25MB004	10.10	1.54	24.39	6.65	0.34	0.04	13.09	56.15								
	L25MB005	0.47	0.07	1.28	1.27	0.00	0.00	0.61	3.70								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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
L25	<i>cont.</i>																
	L25MB006	8.01	1.21	7.70	2.88	0.00	0.00	10.36	30.16								
	L25MB007	3.64	0.55	2.95	1.62	0.00	0.00	4.70	13.46								
	L25MB008	18.64	2.89	24.39	6.65	1.50	0.19	24.24	78.50								
L30	L30HW015	9.50	1.78	1.06	0.42	0.43	0.05	10.28	23.52	11.87	1.83	1.38	0.55	0.51	0.06	14.13	30.33
	L30KL003	0.90	0.17	0.13	0.03	0.00	0.00	0.97	2.20	1.13	0.17	0.18	0.04	0.00	0.00	1.34	2.86
	L30KL013	0.13	0.02	0.00	0.00	0.00	0.00	0.14	0.29	0.17	0.03	0.00	0.00	0.00	0.00	0.20	0.40
	L30KL018	0.10	0.02	0.00	0.00	0.00	0.00	0.11	0.23	0.13	0.02	0.00	0.00	0.00	0.00	0.15	0.30
	L30MO001	2.94	0.55	2.94	0.72	0.14	0.02	3.19	10.50	3.68	0.57	3.85	0.95	0.14	0.02	4.38	13.59
	L30MO002	3.08	0.58	2.94	0.72	0.14	0.02	3.34	10.82	3.85	0.59	3.85	0.95	0.14	0.02	4.58	13.98
	L30RA001	4.13	0.78	1.11	0.27	0.16	0.02	4.47	10.94	5.16	0.79	1.47	0.36	0.17	0.02	6.15	14.12
	L30TS001	2.85	0.55	0.42	0.17	0.30	0.04	3.10	7.43	3.57	0.56	0.55	0.22	0.38	0.05	4.27	9.60
	L35	L35CA005	13.99	2.57	5.84	1.95	0.00	0.00	16.46	40.81	17.49	2.63	7.62	2.55	0.00	0.00	23.39
L35CA007		27.16	4.99	10.03	3.35	0.00	0.00	31.95	77.48	33.95	5.11	13.10	4.38	0.00	0.00	45.41	101.95
L35CA011		6.40	1.17	3.38	1.13	0.00	0.00	7.53	19.61	8.00	1.20	4.41	1.47	0.00	0.00	10.70	25.78
L35CA012		7.72	1.42	3.38	1.13	0.00	0.00	9.08	22.73	9.65	1.45	4.41	1.47	0.00	0.00	12.90	29.88
L35CA013		8.00	1.47	4.34	1.45	0.00	0.00	9.41	24.67	10.00	1.50	5.67	1.90	0.00	0.00	13.38	32.45
L35CA014		17.92	3.29	7.72	2.58	0.00	0.00	21.07	52.58	22.39	3.37	10.08	3.37	0.00	0.00	29.95	69.16
L35KM006		30.25	5.55	9.65	3.23	0.00	0.00	35.58	84.26	37.81	5.69	12.60	4.21	0.00	0.00	50.57	110.88
L40		L40CA007	22.75	5.72	13.27	3.50	7.88	0.98	17.16	71.26	25.59	5.77	17.69	4.67	15.05	1.87	20.70
	L40CA008	33.10	8.38	19.01	5.02	8.83	1.10	25.02	100.46	37.24	8.46	25.35	6.69	16.85	2.10	30.16	126.85
	L40CA009	76.95	19.44	35.38	9.34	12.07	1.50	58.13	212.81	86.57	19.62	47.17	12.45	23.05	2.87	70.09	261.82
	L40CA012	10.39	2.14	5.53	2.04	1.46	0.18	10.13	31.87	11.23	2.16	7.37	2.72	2.79	0.35	11.59	38.21
	L40CA013	7.75	1.61	3.98	1.47	1.33	0.17	7.56	23.87	8.38	1.62	5.31	1.96	2.55	0.32	8.66	28.80
	L40CA014	17.92	3.68	8.84	3.27	1.82	0.23	17.44	53.20	19.37	3.70	11.79	4.36	3.47	0.43	19.97	63.09
	L40CA015	10.15	1.96	5.53	2.04	1.46	0.18	8.16	29.48	10.73	1.97	7.37	2.72	2.79	0.35	9.86	35.79
	L40CA018	55.09	14.00	27.64	7.30	9.93	1.24	41.66	156.86	61.97	14.13	36.85	9.73	18.96	2.36	50.24	194.24
	L40CA019	7.33	1.42	3.94	1.46	1.33	0.17	5.90	21.55	7.75	1.43	5.25	1.94	2.55	0.32	7.13	26.37
	L40CA022	8.48	1.64	4.95	1.83	1.46	0.18	6.82	25.36	8.96	1.65	6.60	2.44	2.79	0.35	8.24	31.03
	L40CA023	12.27	2.41	7.08	2.62	3.11	0.39	9.90	37.78	12.97	2.42	9.43	3.48	5.94	0.74	11.97	46.95
	L40CA024	16.09	3.17	7.96	2.94	4.39	0.55	12.99	48.09	17.01	3.18	10.61	3.92	8.38	1.04	15.71	59.85

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																
	L40CA025	16.77	3.29	8.84	3.27	4.39	0.55	13.54	50.65	17.73	3.31	11.79	4.36	8.38	1.04	16.37	62.98
	L40CA026	16.47	4.15	10.30	2.72	6.07	0.76	12.43	52.90	18.53	4.19	13.74	3.63	11.60	1.44	14.99	68.12
	L40CA027	18.31	4.57	11.72	3.09	5.07	0.63	13.80	57.19	20.60	4.61	15.62	4.12	9.67	1.20	16.64	72.46
	L40CA028	2.27	0.35	2.36	0.87	0.27	0.03	1.95	8.10								
	L40CA029	2.37	0.37	2.60	0.96	0.27	0.03	2.05	8.65								
	L40CA030	2.85	0.45	2.85	1.05	0.38	0.05	2.46	10.09								
	L40CA031	3.03	0.47	3.57	1.32	0.38	0.05	2.61	11.43								
	L40CA032	5.30	1.03	1.99	0.74	0.67	0.08	4.27	14.08	5.60	1.04	2.65	0.98	1.29	0.16	5.16	16.88
	L40CA033	5.86	1.14	2.65	0.98	0.67	0.08	4.71	16.09	6.19	1.14	3.54	1.31	1.29	0.16	5.70	19.33
	L40CA034	6.27	1.25	3.63	1.34	2.79	0.35	5.08	20.71	6.63	1.26	4.83	1.78	5.33	0.66	6.14	26.63
	L40CS009	10.55	2.07	5.93	2.19	2.70	0.34	8.51	32.29	11.15	2.08	7.90	2.92	5.16	0.64	10.29	40.14
	L40CS010	12.52	2.44	6.72	2.48	2.70	0.34	10.09	37.29	13.23	2.45	8.96	3.31	5.16	0.64	12.19	45.94
	L40CS011	16.59	3.25	8.27	3.06	4.17	0.52	13.39	49.25	17.54	3.27	11.03	4.08	7.95	0.99	16.18	61.04
	L40KM001	9.23	1.79	4.64	1.71	1.66	0.21	7.43	26.67	9.76	1.80	6.19	2.29	3.18	0.40	8.98	32.60
	L40KM002	10.71	2.07	5.22	1.93	1.66	0.21	8.61	30.41	11.33	2.08	6.96	2.57	3.18	0.40	10.41	36.93
	L40KM003	13.00	2.50	5.97	2.21	1.66	0.21	10.44	35.99	13.75	2.51	7.96	2.94	3.18	0.40	12.62	43.36
	L40KM004	15.15	2.95	7.65	2.83	3.11	0.39	12.20	44.28	16.01	2.97	10.20	3.77	5.94	0.74	14.75	54.38
	L40KM005	19.41	3.80	9.07	3.35	4.78	0.60	15.66	56.67	20.52	3.82	12.09	4.47	9.12	1.14	18.93	70.09
	L40KM006	15.86	3.97	10.17	2.68	4.78	0.60	11.96	50.02	17.84	4.00	13.56	3.58	9.12	1.14	14.42	63.66
L40KM007	18.69	4.73	11.98	3.16	4.86	0.61	14.12	58.15	21.02	4.77	15.98	4.22	9.28	1.16	17.02	73.45	
L40KM008	25.87	6.51	14.81	3.91	5.98	0.74	19.53	77.35	29.11	6.57	19.75	5.21	11.42	1.42	23.55	97.03	
L40KM009	33.95	8.68	21.67	5.72	6.82	0.85	25.71	103.40	38.20	8.76	28.89	7.63	13.02	1.62	31.00	129.12	
L40KM010	67.27	16.86	30.25	7.98	8.67	1.08	50.73	182.84	75.67	17.02	40.33	10.64	16.55	2.06	61.17	223.44	
L40KM011	86.30	21.73	37.72	9.96	12.62	1.57	65.15	235.05	97.09	21.94	50.29	13.27	24.09	3.00	78.56	288.24	
L40KM012	10.24	2.12	5.22	1.93	1.66	0.21	9.99	31.37	11.07	2.14	6.96	2.57	3.18	0.40	11.44	37.76	
L40KM013	11.76	2.48	5.97	2.21	3.23	0.40	11.52	37.57	12.72	2.49	7.96	2.94	6.17	0.77	13.19	46.24	
L40KM014	4.66	0.92	2.21	0.82	0.87	0.11	3.76	13.35	4.92	0.92	2.95	1.09	1.66	0.21	4.55	16.30	
L40KM015	5.73	1.13	3.32	1.23	1.12	0.14	4.64	17.31	6.06	1.14	4.42	1.63	2.14	0.27	5.60	21.26	
L40ME012	1.94	0.30	2.10	0.78	0.17	0.02	1.67	6.98									
L40ME016	1.14	0.18	0.76	0.28	0.10	0.01	0.98	3.45									
L40ME017	1.48	0.23	1.09	0.40	0.21	0.03	1.28	4.72									
L40ME018	1.69	0.26	1.83	0.68	0.17	0.02	1.46	6.11									
L40ME019	2.64	0.41	3.52	1.30	0.38	0.05	2.28	10.58									
L40ME020	4.37	0.70	5.07	1.87	0.95	0.12	3.79	16.87									

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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
L50	L50CA001	5.55	1.15	2.79	0.79	0.47	0.06	5.10	15.91	9.25	1.22	3.86	1.09	0.66	0.08	9.02	25.18
	L50CA002	6.23	1.29	2.96	0.83	0.47	0.06	5.72	17.56	10.38	1.36	4.10	1.15	0.66	0.08	10.12	27.85
	L50CA003	6.70	1.39	3.24	0.91	0.52	0.06	6.16	18.98	11.17	1.47	4.49	1.26	0.72	0.09	10.89	30.09
	L50CA004	9.08	1.89	3.83	1.08	0.80	0.10	8.35	25.13	15.13	1.99	5.31	1.50	1.11	0.14	14.77	39.95
	L50CS004	6.21	1.28	2.54	0.72	0.44	0.05	5.70	16.94	10.35	1.36	3.52	0.99	0.62	0.08	10.09	27.01
	L50CS005	6.76	1.40	3.14	0.88	0.51	0.06	6.21	18.96	11.27	1.48	4.34	1.22	0.72	0.09	10.98	30.10
	L50CS006	7.62	1.60	3.45	0.97	0.88	0.11	7.02	21.65	12.70	1.69	4.78	1.35	1.21	0.15	12.42	34.30
	L50JC001	4.13	0.88	2.09	0.59	0.80	0.10	3.82	12.41	6.88	0.93	2.89	0.81	1.14	0.14	6.76	19.55
	L50JC002	3.89	0.83	2.51	0.71	0.71	0.09	3.60	12.34	6.48	0.88	3.47	0.98	0.96	0.12	6.37	19.26
	L50JC003	5.71	1.20	3.21	0.90	0.78	0.10	5.27	17.17	9.52	1.27	4.44	1.25	1.11	0.14	9.32	27.05
	L50JC005	6.30	1.32	3.21	0.90	0.78	0.10	5.80	18.41	10.50	1.39	4.44	1.25	1.11	0.14	10.26	29.09
	L50JC007	8.14	1.69	3.21	0.90	0.75	0.09	7.48	22.26	13.57	1.78	4.44	1.25	1.06	0.13	13.24	35.47
	L55	L55KN001	0.91	0.11	0.00	0.52	0.00	0.00	0.98	2.52							
L55KN002		1.87	0.22	0.00	1.06	0.00	0.00	2.02	5.17								
L55KN003		3.81	0.45	0.00	2.01	0.00	0.00	4.11	10.38								
L60	L60CA010	22.37	3.74	6.63	1.63	0.00	0.00	16.08	50.45	27.96	3.84	8.84	2.18	0.00	0.00	22.99	65.81
	L60CA011	24.70	4.13	6.63	1.63	0.00	0.00	17.76	54.85	30.88	4.24	8.84	2.18	0.00	0.00	25.39	71.53
	L60CA012	12.12	2.11	6.19	1.52	1.49	0.19	8.76	32.38	15.15	2.16	8.25	2.03	3.03	0.38	12.53	43.53
	L60CA013	14.61	2.52	7.08	1.74	1.49	0.19	10.55	38.18	18.27	2.59	9.43	2.32	3.03	0.38	15.09	51.11
	L60CA014	19.82	3.32	5.31	1.31	0.00	0.00	14.25	44.01	24.78	3.40	7.08	1.74	0.00	0.00	20.38	57.38
	L60JD001	10.07	1.77	5.35	1.32	1.96	0.24	7.29	28.00	12.59	1.81	7.13	1.76	4.10	0.51	10.43	38.33
	L60JD002	15.07	2.60	6.94	1.71	1.96	0.24	10.89	39.41	18.84	2.67	9.26	2.28	4.10	0.51	15.57	53.23
	L60JD003	10.31	1.81	5.35	1.32	1.96	0.24	7.47	28.46	12.89	1.85	7.13	1.76	4.10	0.51	10.68	38.92
	L60JD004	12.31	2.22	6.94	1.71	3.89	0.48	8.95	36.50	15.38	2.28	9.26	2.28	8.15	1.01	12.80	51.16
	L60JD006	16.90	2.95	7.52	1.85	2.93	0.36	12.23	44.74	21.13	3.02	10.02	2.47	6.14	0.76	17.49	61.03
	L60JD007	18.02	3.14	8.84	2.18	2.93	0.36	13.03	48.50	22.53	3.22	11.79	2.90	6.14	0.76	18.64	65.98
	L60JD008	24.94	4.17	7.52	1.85	0.00	0.00	17.93	56.41	31.18	4.28	10.02	2.47	0.00	0.00	25.64	73.59
	M10	M10MZ001	0.86	0.08	0.00	0.00	0.00	0.00	0.42	1.36							
M10MZ003		1.13	0.11	0.00	0.00	0.00	0.00	0.56	1.80								
M10MZ005		0.63	0.27	0.00	0.00	0.00	0.00	0.37	1.27								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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.																
	M10MZ007	0.80	0.34	0.00	0.00	0.00	0.00	0.47	1.61								
	M10MZ008	1.00	0.42	0.00	0.00	0.00	0.00	0.59	2.01								
	M10MZ009	1.20	0.51	0.00	0.00	0.00	0.00	0.71	2.42								
	M10MZ010	1.85	0.48	6.19	2.07	0.00	0.00	1.35	11.94	2.28	0.48	8.25	2.76	0.00	0.00	1.78	15.55
	M10MZ011	2.41	0.62	9.29	3.11	0.00	0.00	1.76	17.19	2.96	0.63	12.38	4.14	0.00	0.00	2.31	22.42
	M10SM001	2.36	0.61	14.72	4.14	0.00	0.00	1.72	23.55	2.90	0.62	19.25	5.42	0.00	0.00	2.27	30.46
	M10SM003	2.63	0.68	19.63	5.53	0.00	0.00	1.92	30.39	3.24	0.69	25.67	7.23	0.00	0.00	2.53	39.36
	M10SM004	2.88	0.74	24.54	6.91	0.00	0.00	2.10	37.17	3.54	0.75	32.09	9.03	0.00	0.00	2.77	48.18
	M10SM005	1.06	0.27	11.29	3.18	0.00	0.00	0.78	16.58	1.31	0.28	14.76	4.16	0.00	0.00	1.02	21.53
	M10SM008	1.98	0.51	19.63	5.53	0.00	0.00	1.44	29.09	2.44	0.52	25.67	7.23	0.00	0.00	1.90	37.76
	M10XX001	0.15	0.07	0.00	0.00	0.00	0.00	0.09	0.31								
	M10XX002	0.48	0.20	0.00	0.00	0.00	0.00	0.28	0.96								
	M10XX003	0.58	0.25	0.00	0.00	0.00	0.00	0.34	1.17								
	M10XX004	0.94	0.40	0.00	0.00	0.00	0.00	0.56	1.90								
	M10XX005	1.43	1.60	0.00	0.00	0.00	0.00	0.80	3.83								
	M10XX006	2.01	2.26	0.00	0.00	0.00	0.00	1.12	5.39								
	M10XX007	2.55	2.86	0.00	0.00	0.00	0.00	1.42	6.83								
	M10XX008	3.55	3.99	0.00	0.00	0.00	0.00	1.99	9.53								
	M10XX009	0.63	0.16	4.91	1.38	0.00	0.00	0.46	7.54	0.78	0.17	6.42	1.81	0.00	0.00	0.61	9.79
	M10XX010	2.14	0.55	3.32	1.11	0.00	0.00	1.56	8.68	2.63	0.56	4.42	1.48	0.00	0.00	2.05	11.14
	M10XX011	2.45	0.63	4.42	1.48	0.00	0.00	1.79	10.77	3.02	0.64	5.90	1.97	0.00	0.00	2.36	13.89
	M10XX012	2.53	0.65	4.42	1.48	0.00	0.00	1.84	10.92	3.11	0.66	5.90	1.97	0.00	0.00	2.43	14.07
	M10XX013	3.27	0.84	5.09	1.70	0.00	0.00	2.39	13.29	4.03	0.86	6.78	2.27	0.00	0.00	3.14	17.08
	M10XX014	4.49	1.16	7.74	2.59	0.00	0.00	3.28	19.26	5.53	1.17	10.32	3.45	0.00	0.00	4.32	24.79
	M10XX015	5.63	1.45	11.06	3.70	0.00	0.00	4.11	25.95	6.93	1.47	14.74	4.93	0.00	0.00	5.41	33.48
	M10XX016	6.41	2.47	0.00	0.00	0.00	0.00	4.18	13.06								
M10XX017	6.77	2.61	0.00	0.00	0.00	0.00	4.42	13.80									
M10XX018	8.44	3.25	0.00	0.00	0.00	0.00	5.51	17.20									
M10XX019	8.62	3.32	0.00	0.00	0.00	0.00	5.63	17.57									
M10XX021	13.31	3.83	16.80	5.62	0.00	0.00	11.08	50.64	15.97	3.87	22.40	7.49	0.00	0.00	14.15	63.88	
M10XX022	15.15	4.36	19.24	6.43	0.00	0.00	12.62	57.80	18.18	4.40	25.65	8.58	0.00	0.00	16.10	72.91	
M10XX023	20.30	5.84	17.69	5.91	0.00	0.00	16.91	66.65	24.36	5.90	23.58	7.88	0.00	0.00	21.58	83.30	
M10XX024	28.95	8.32	19.24	6.43	0.00	0.00	24.11	87.05	34.74	8.42	25.65	8.58	0.00	0.00	30.77	108.16	
M10XX026	8.43	5.21	29.08	9.72	0.00	0.00	7.91	60.35									
M10XX027	9.62	5.94	21.81	7.29	0.00	0.00	9.02	53.68									

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																	
	M10XX028	10.05	6.21	36.14	12.08	0.00	0.00	9.43	73.91									
	M10XX029	13.24	8.18	29.29	9.79	0.00	0.00	12.41	72.91									
	M10XX030	13.99	8.65	36.14	12.08	0.00	0.00	13.12	83.98									
	M10XX031	14.47	8.94	36.14	12.08	0.00	0.00	13.56	85.19									
	M10XX032	18.02	11.14	36.14	12.08	0.00	0.00	16.89	94.27									
	M10XX033	8.72	7.36	43.62	14.58	0.00	0.00	9.08	83.36									
	M10XX034	16.02	13.52	56.08	18.75	0.00	0.00	16.70	121.07									
	M10XX035	20.35	17.17	81.00	27.08	0.00	0.00	21.21	166.81									
M10XX036	42.83	36.15	83.08	27.78	0.00	0.00	44.65	234.49										
P10	P10IC001	10.72	1.67	7.74	2.18	0.00	0.00	11.36	33.67									
	P10IC002	16.87	2.62	13.27	3.74	0.00	0.00	17.89	54.39									
	P10IC003	21.20	3.30	13.27	3.74	0.00	0.00	22.47	63.98									
	P10IC004	27.11	4.21	22.24	6.26	0.00	0.00	28.73	88.55									
	P10IC005	43.30	6.73	35.38	9.96	0.00	0.00	45.89	141.26									
	P10IC010	2.26	0.35	0.00	0.00	0.00	0.00	2.40	5.01									
	P10IC011	4.35	0.68	0.57	0.16	0.00	0.00	4.61	10.37									
	P10IC012	2.74	0.43	0.00	0.00	0.00	0.00	2.91	6.08									
	P10IC013	4.74	0.74	1.28	0.36	0.00	0.00	5.02	12.14									
P20	P20IC001	5.14	0.66	0.00	1.25	0.00	0.00	6.50	13.55									
	P20IC002	11.83	1.52	0.00	1.90	0.00	0.00	14.96	30.21									
	P20IC003	11.37	1.46	0.00	2.50	0.00	0.00	14.37	29.70									
	P20IC004	12.09	1.55	0.00	3.15	0.00	0.00	15.28	32.07									
	P20MK001	6.12	0.78	0.00	1.25	0.00	0.00	7.74	15.89									
	P20MK002	2.83	0.33	0.00	0.50	0.00	0.00	3.35	7.01									
	P20MK003	3.30	0.39	0.00	1.00	0.00	0.00	3.91	8.60									
	P20MK004	4.16	0.49	0.00	1.25	0.00	0.00	4.94	10.84									
	P20MK005	6.54	0.77	0.00	1.25	0.00	0.00	7.75	16.31									
	P20MK006	7.64	0.89	0.00	2.50	0.00	0.00	9.05	20.08									
	P20MK007	8.17	0.96	0.00	2.50	0.00	0.00	9.68	21.31									
	P25	P25DL001	6.22	0.73	0.00	0.95	0.00	0.00	6.71	14.61								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																
	P25DL003	7.45	0.87	0.00	1.20	0.00	0.00	8.02	17.54								
	P25DL004	8.50	0.99	0.00	1.80	0.00	0.00	9.15	20.44								
	P25DL005	11.68	1.37	0.00	2.65	0.00	0.00	12.59	28.29								
	P25DL006	12.10	1.42	0.00	3.30	0.00	0.00	13.04	29.86								
	P25DL008	14.86	1.74	0.00	5.30	0.00	0.00	16.01	37.91								
	P25DL009	22.42	2.62	0.00	6.60	0.00	0.00	24.16	55.80								
	P25DL010	32.78	3.83	0.00	8.25	0.00	0.00	35.32	80.18								
	P25DL011	35.04	4.10	0.00	9.90	0.00	0.00	37.75	86.79								
	P25IC001	8.51	1.00	0.00	2.20	0.00	0.00	9.17	20.88								
	P25IC002	10.31	1.21	0.00	3.45	0.00	0.00	11.11	26.08								
	P25IC003	16.38	1.92	0.00	4.40	0.00	0.00	17.65	40.35								
	P25IC004	19.16	2.24	0.00	5.30	0.00	0.00	20.64	47.34								
	P25IC005	24.91	2.91	0.00	6.25	0.00	0.00	26.84	60.91								
	P25IC006	29.76	3.48	0.00	7.20	0.00	0.00	32.07	72.51								
	P25MK001	8.16	0.96	0.00	2.50	0.00	0.00	8.80	20.42								
	P25MK002	8.57	1.00	0.00	2.50	0.00	0.00	9.23	21.30								
	P25MK003	12.73	1.49	0.00	4.15	0.00	0.00	13.72	32.09								
	P25VU002	9.63	1.03	0.00	2.50	0.00	0.00	9.77	22.93								
	P25VU003	9.55	1.02	0.00	2.50	0.00	0.00	9.69	22.76								
	P25VU004	9.76	1.05	0.00	2.50	0.00	0.00	9.89	23.20								
P25VU005	13.11	1.40	0.00	2.50	0.00	0.00	13.29	30.30									
P25VU010	13.46	1.44	0.00	0.95	0.00	0.00	13.65	29.50									
P25VU011	13.63	1.46	0.00	1.17	0.00	0.00	13.82	30.08									
P30	P30MK001	11.81	1.38	8.18	2.30	0.00	0.00	12.73	36.40								
	P30MK003	20.59	2.41	14.37	4.05	0.00	0.00	22.19	63.61								
	P30MK004	34.91	4.08	26.53	7.47	0.00	0.00	37.61	110.60								
	P30VU001	7.53	0.88	2.56	0.72	0.00	0.00	8.11	19.80								
	P30VU002	16.16	1.89	6.85	1.93	0.00	0.00	17.41	44.24								
	P30VU003	24.14	2.82	15.92	4.48	0.00	0.00	26.02	73.38								
	P30VU004	34.40	4.03	24.76	6.97	0.00	0.00	37.07	107.23								
	P35	P35CA001	11.09	2.78	2.65	0.93	0.00	0.00	11.27	28.72	13.50	2.82	3.54	1.25	0.00	0.00	15.88
P35CA006		35.04	8.78	10.13	3.56	0.00	0.00	35.61	93.12	42.66	8.90	13.51	4.75	0.00	0.00	50.18	120.00

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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
P35	<i>cont.</i>																
	P35CA007	11.22	2.81	2.65	0.93	0.00	0.00	11.40	29.01	13.66	2.85	3.54	1.25	0.00	0.00	16.06	37.36
	P35CA008	20.69	5.18	5.55	1.95	0.00	0.00	21.03	54.40	25.19	5.25	7.40	2.60	0.00	0.00	29.63	70.07
	P35CA009	26.69	6.68	7.36	2.59	0.00	0.00	27.12	70.44	32.49	6.78	9.81	3.45	0.00	0.00	38.21	90.74
P40	P40BX001	1.21	0.15	0.00	0.05	0.00	0.00	0.96	2.37								
	P40GW016	12.63	1.60	2.09	0.51	0.19	0.02	10.05	27.09								
	P40GW017	19.90	2.55	3.83	0.94	1.36	0.17	15.86	44.61								
	P40GW018	23.90	3.07	3.83	0.94	2.16	0.27	19.05	53.22								
	P40GW019	29.75	3.81	3.83	0.94	2.16	0.27	23.71	64.47								
	P40GW020	5.16	0.72	0.36	0.14	1.95	0.24	4.15	12.72								
	P40GW021	5.59	0.77	0.39	0.15	1.95	0.24	4.49	13.58								
	P40GW022	9.07	1.15	2.09	0.51	0.14	0.02	7.22	20.20								
	P40GW023	12.95	1.66	2.09	0.51	0.58	0.07	10.32	28.18								
	P40GW024	17.24	2.17	2.96	0.73	0.14	0.02	13.72	36.98								
	P40GW025	18.08	2.28	2.96	0.73	0.14	0.02	14.39	38.60								
	P40GW026	24.75	3.14	3.83	0.94	0.58	0.07	19.71	53.02								
	P40TE001	3.52	0.45	1.81	0.51	0.19	0.02	2.80	9.30								
	P40TE002	4.45	0.57	2.94	0.83	0.19	0.02	3.55	12.55								
	P40TE003	7.76	1.00	1.11	0.27	0.42	0.05	6.19	16.80								
	P40TE004	9.01	1.18	1.53	0.38	0.79	0.10	7.20	20.19								
	P40TE005	5.92	0.77	2.30	0.57	0.42	0.05	4.73	14.76								
	P40TE006	9.38	1.22	2.30	0.57	0.69	0.09	7.49	21.74								
	P40TE007	15.34	1.97	2.30	0.57	0.69	0.09	12.23	33.19								
	P40TE008	17.64	2.26	2.65	0.65	0.69	0.09	14.06	38.04								
P40TE009	19.30	2.46	2.65	0.65	0.69	0.09	15.38	41.22									
P40TE010	6.74	0.86	7.32	1.80	0.25	0.03	5.37	22.37									
P40TE011	7.35	0.95	7.32	1.80	0.44	0.05	5.86	23.77									
P40TE012	11.07	1.42	7.32	1.80	0.44	0.05	8.82	30.92									
P40TE013	10.13	1.30	7.32	1.80	0.44	0.05	8.07	29.11									
P40TE014	10.31	1.32	7.32	1.80	0.44	0.05	8.22	29.46									
P40TE015	11.75	1.50	7.32	1.80	0.44	0.05	9.37	32.23									
P45																	
	P45AF002	0.09	0.01	0.00	0.00	0.00	0.00	0.09	0.19								
	P45AF003	0.13	0.02	0.00	0.00	0.00	0.00	0.13	0.28								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																	
	P45AF005	1.20	0.17	1.58	0.44	0.04	0.00	1.22	4.65									
	P45AF006	1.37	0.19	1.58	0.44	0.04	0.00	1.39	5.01									
	P45AF007	2.56	0.36	1.97	0.49	0.04	0.00	2.60	8.02									
	P45AF008	0.72	0.10	0.00	0.10	0.00	0.00	0.73	1.65									
	P45AF009	2.35	0.32	0.00	0.10	0.00	0.00	2.38	5.15									
	P45AF010	2.47	0.34	2.58	0.73	0.04	0.00	2.51	8.67									
	P45AF011	4.87	0.67	5.02	1.41	0.04	0.00	4.94	16.95									
	P45AL015	4.31	0.59	3.30	0.93	0.04	0.00	4.38	13.55									
	P45CG001	0.37	0.05	0.00	0.05	0.00	0.00	0.37	0.84									
	P45CG002	0.62	0.08	0.00	0.10	0.00	0.00	0.63	1.43									
	P45CG003	1.56	0.21	0.00	0.15	0.00	0.00	1.58	3.50									
	P45CG006	1.75	0.24	2.30	0.65	0.04	0.00	1.78	6.76									
	P45CG007	1.75	0.24	2.30	0.65	0.00	0.00	1.77	6.71									
	P45OE001	2.20	0.31	2.76	0.68	0.09	0.01	2.24	8.29									
	P45OE002	3.06	0.43	3.61	0.89	0.09	0.01	3.11	11.20									
	P45OE003	4.00	0.56	5.52	1.36	0.09	0.01	4.07	15.61									
P45OE004	4.98	0.69	7.88	1.94	0.09	0.01	5.06	20.65										
P45OE005	6.32	0.88	11.88	2.93	0.18	0.02	6.42	28.63										
P50	P50GR001	0.08	0.01	0.00	0.00	0.00	0.00	0.11	0.20									
	P50GR002	0.12	0.01	0.00	0.00	0.00	0.00	0.17	0.30									
	P50GR003	0.17	0.01	0.00	0.00	0.00	0.00	0.24	0.42									
	P50GR004	0.34	0.02	0.00	0.00	0.00	0.00	0.49	0.85									
	P50WC001	0.15	0.02	1.36	0.38	0.00	0.00	0.14	2.05									
	P50WC002	0.17	0.03	0.92	0.31	0.00	0.00	0.17	1.60									
	P50WC003	0.38	0.06	0.99	0.33	0.00	0.00	0.36	2.12									
	P50WC004	1.66	0.25	2.03	0.68	0.03	0.00	1.61	6.26									
	P50XX001	2.03	0.31	3.70	1.24	0.00	0.00	1.97	9.25									
	P50XX002	3.76	0.57	4.31	1.44	0.00	0.00	3.64	13.72									
	P50XX003	4.03	0.61	5.24	1.75	0.00	0.00	3.90	15.53									
	P55	P55GF001	1.68	0.25	1.36	0.45	0.00	0.00	1.81	5.55								
		P55GF002	2.13	0.32	1.36	0.45	0.00	0.00	2.29	6.55								
P55GR001		0.30	0.04	0.12	0.05	0.00	0.00	0.18	0.69									

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	
P55	<i>cont.</i>																	
	P55GR002	0.41	0.06	0.29	0.11	0.00	0.00	0.25	1.12									
	P55GR003	1.41	0.19	1.46	0.58	0.00	0.00	0.85	4.49									
	P55GR004	1.91	0.26	3.51	1.39	0.00	0.00	1.16	8.23									
	P55WC001	0.05	0.01	0.06	0.02	0.00	0.00	0.03	0.17									
	P55WC002	0.09	0.01	0.06	0.02	0.00	0.00	0.06	0.24									
P60	P60GF003	1.73	0.26	1.97	0.66	0.04	0.00	1.68	6.34									
	P60GF004	2.22	0.34	3.76	1.26	0.04	0.00	2.15	9.77									
	P60GF005	2.70	0.41	5.12	1.71	0.04	0.00	2.62	12.60									
	P60GF006	3.11	0.47	6.78	2.27	0.07	0.01	3.02	15.73									
	P60GF008	1.76	0.27	1.97	0.66	0.04	0.00	1.71	6.41									
	P60GR001	2.03	0.31	2.90	0.97	0.04	0.00	1.97	8.22									
	P60GR002	2.23	0.34	13.73	3.87	0.04	0.00	2.17	22.38									
	P60HO002	0.08	0.01	0.48	0.14	0.00	0.00	0.08	0.79									
	P60HO003	0.14	0.02	1.09	0.31	0.00	0.00	0.13	1.69									
	P60WC001	0.06	0.01	0.54	0.15	0.00	0.00	0.06	0.82									
		P60WC002	0.07	0.01	0.82	0.23	0.00	0.00	0.07	1.20								
	P65	P65GR001	0.22	0.04	0.68	0.19	0.03	0.00	0.20	1.36								
P65GR002		0.29	0.05	0.20	0.06	0.03	0.00	0.25	0.88									
P65GR003		0.76	0.12	0.41	0.12	0.03	0.00	0.66	2.10									
P65HO001		0.13	0.02	0.48	0.14	0.00	0.00	0.12	0.89									
P65HO002		0.14	0.02	0.48	0.14	0.00	0.00	0.14	0.92									
P65WC001		0.18	0.03	0.54	0.15	0.00	0.00	0.15	1.05									
		P65WC002	0.18	0.03	0.54	0.15	0.00	0.00	0.16	1.06								
P70	P70XX001	0.27	0.05	0.27	0.08	0.00	0.00	0.25	0.92									
	P70XX002	0.71	0.12	0.82	0.23	0.00	0.00	0.65	2.53									
R10	R10CA001	0.58	0.09	0.00	0.08	0.00	0.00	0.56	1.31	0.71	0.09	0.00	0.08	0.00	0.00	0.76	1.64	
	R10CA003	0.58	0.09	0.00	0.08	0.00	0.00	0.56	1.31	0.71	0.09	0.00	0.08	0.00	0.00	0.76	1.64	
	R10CA005	0.58	0.09	0.00	0.08	0.00	0.00	0.56	1.31	0.71	0.09	0.00	0.08	0.00	0.00	0.76	1.64	
	R10CA006	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.03	0.00	0.00	0.00	0.00	0.00	0.03	0.06	

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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.																
	R10CA007	1.67	0.25	0.00	0.08	0.00	0.00	1.61	3.61	2.05	0.26	0.00	0.08	0.00	0.00	2.20	4.59
	R10CA009	2.79	0.42	0.00	0.08	0.00	0.00	2.68	5.97	3.43	0.43	0.00	0.08	0.00	0.00	3.67	7.61
	R10CA010	0.18	0.03	0.00	0.00	0.00	0.00	0.17	0.38	0.22	0.03	0.00	0.00	0.00	0.00	0.23	0.48
	R10CA011	3.08	0.46	0.00	0.10	0.00	0.00	2.96	6.60	3.79	0.48	0.00	0.10	0.00	0.00	4.06	8.43
	R10CA012	3.87	0.58	0.00	0.10	0.00	0.00	3.73	8.28	4.77	0.60	0.00	0.10	0.00	0.00	5.10	10.57
	R10CA013	0.37	0.05	0.00	0.00	0.00	0.00	0.35	0.77	0.45	0.06	0.00	0.00	0.00	0.00	0.48	0.99
	R10CA014	4.00	0.60	0.00	0.16	0.00	0.00	3.85	8.61	4.92	0.62	0.00	0.16	0.00	0.00	5.26	10.96
	R10CA015	4.79	0.72	0.00	0.16	0.00	0.00	4.61	10.28	5.90	0.74	0.00	0.16	0.00	0.00	6.31	13.11
	R10CA016	0.37	0.05	0.00	0.00	0.00	0.00	0.35	0.77	0.45	0.06	0.00	0.00	0.00	0.00	0.48	0.99
	R10CA017	6.86	1.03	0.00	0.21	0.00	0.00	6.60	14.70	8.44	1.06	0.00	0.21	0.00	0.00	9.03	18.74
	R10CA018	8.47	1.27	0.00	0.22	0.00	0.00	8.16	18.12	10.43	1.31	0.00	0.22	0.00	0.00	11.16	23.12
R10CA019	0.60	0.09	0.00	0.24	0.00	0.00	0.58	1.51	0.74	0.09	0.00	0.24	0.00	0.00	0.79	1.86	
R10CA020	7.34	1.10	0.00	0.23	0.00	0.00	7.06	15.73	9.03	1.13	0.00	0.23	0.00	0.00	9.66	20.05	
R10CA021	8.76	1.32	0.00	0.25	0.00	0.00	8.43	18.76	10.78	1.35	0.00	0.25	0.00	0.00	11.54	23.92	
R15	R15SO001	7.81	1.65	0.00	0.40	1.57	0.20	6.14	17.77								
	R15SO002	7.97	1.82	0.00	0.45	2.57	0.32	6.38	19.51								
	R15SO003	12.06	2.57	0.00	0.67	2.57	0.32	9.51	27.70								
R20	R20RI001	1.45	0.27	0.00	0.25	0.00	0.00	1.27	3.24								
	R20RI002	1.95	0.36	0.00	0.25	0.00	0.00	1.70	4.26								
	R20SO001	4.96	0.91	0.00	0.25	0.00	0.00	4.33	10.45								
R30	R30BO003	11.07	1.58	5.55	1.17	0.91	0.11	8.00	28.39								
	R30BO004	7.07	1.03	4.40	0.93	1.01	0.13	5.13	19.70								
	R30BO005	5.39	0.90	2.75	0.58	0.00	0.00	4.43	14.05								
	R30BO006	6.65	1.11	4.40	0.93	0.00	0.00	5.47	18.56								
	R30BO007	6.26	1.05	3.85	0.81	0.00	0.00	5.15	17.12								
	R30BO008	34.21	7.42	19.61	4.14	0.00	0.00	29.89	95.27								
	R30BO009	30.84	6.69	18.57	3.92	0.00	0.00	26.95	86.97								
	R30CA003	20.00	4.34	12.09	2.55	0.00	0.00	17.48	56.46								
	R30CA006	30.19	6.55	17.31	3.66	0.00	0.00	26.38	84.09								
	R30CA009	41.50	9.01	25.99	5.49	0.00	0.00	36.26	118.25								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																
	R30CA010	7.00	0.99	3.85	0.81	0.47	0.06	5.06	18.24								
	R30CA011	8.58	1.20	5.77	1.22	0.44	0.05	6.19	23.45								
	R30CA012	20.87	4.53	12.09	2.55	0.00	0.00	18.23	58.27								
	R30CA013	32.68	7.09	17.31	3.66	0.00	0.00	28.55	89.29								
	R30CA014	13.57	1.95	5.77	1.22	1.57	0.20	9.83	34.11								
	R30RS001	0.73	0.12	1.57	0.33	0.00	0.00	0.60	3.35								
	R30RS002	0.94	0.16	2.42	0.51	0.00	0.00	0.78	4.81								
	R30RS003	5.43	0.77	4.67	0.99	0.36	0.04	3.92	16.18								
	R30SI002	9.15	1.33	5.00	1.06	1.09	0.14	6.63	24.40								
	R30SI003	11.51	1.65	5.22	1.10	1.09	0.14	8.33	29.04								
	R30SI004	15.50	2.19	5.93	1.25	0.92	0.11	11.19	37.09								
R30SI005	9.48	1.59	4.12	0.87	0.00	0.00	7.79	23.85									
R40	R40SO001	8.65	1.30	3.08	0.87	0.00	0.00	7.56	21.46								
	R40SO002	11.34	1.71	4.62	1.30	0.00	0.00	9.91	28.88								
	R40SO003	8.32	1.25	3.08	0.87	0.00	0.00	7.27	20.79								
	R40SO004	8.28	1.25	4.62	1.30	0.00	0.00	7.24	22.69								
R45	R45BO004	4.57	0.69	2.03	0.57	0.00	0.00	5.49	13.35								
	R45BO005	5.72	0.86	2.84	0.80	0.00	0.00	6.86	17.08								
	R45BO006	11.09	1.67	4.56	1.28	0.00	0.00	13.31	31.91								
	R45BO007	13.48	2.03	6.97	1.96	0.00	0.00	16.17	40.61								
	R45BO008	14.27	2.15	6.97	1.96	0.00	0.00	17.12	42.47								
	R45CA001	3.89	0.58	2.28	0.64	0.00	0.00	4.66	12.05								
	R45CA002	4.53	0.68	2.28	0.64	0.00	0.00	5.44	13.57								
	R45CA005	11.23	1.69	4.31	1.21	0.00	0.00	13.48	31.92								
	R45CA007	13.98	2.10	6.60	1.86	0.00	0.00	16.78	41.32								
	R45CA009	18.05	2.76	8.94	2.52	0.68	0.08	21.73	54.76								
	R45CA010	16.73	2.52	8.94	2.52	0.00	0.00	20.08	50.79								
	R45RS001	1.35	0.20	2.72	0.77	0.00	0.00	1.62	6.66								
	R45SI007	3.21	0.48	0.86	0.24	0.00	0.00	3.85	8.64								
	R45SI008	4.80	0.72	1.73	0.49	0.00	0.00	5.76	13.50								
	R45SI009	9.25	1.39	2.28	0.64	0.00	0.00	11.10	24.66								
	R45SI010	12.73	1.92	7.46	2.10	0.00	0.00	15.28	39.49								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	R50BO005	3.93	0.68	1.68	0.47	0.47	0.06	4.63	11.92								
	R50BO006	6.91	1.15	2.39	0.67	0.10	0.01	8.06	19.29								
	R50BO007	9.87	1.65	3.40	0.96	0.24	0.03	11.52	27.67								
	R50BO008	12.62	2.12	8.18	2.30	0.47	0.06	14.75	40.50								
	R50BO009	19.03	3.18	8.00	2.25	0.47	0.06	22.21	55.20								
	R50BO010	4.53	0.75	1.68	0.47	0.10	0.01	5.28	12.82								
	R50BO011	7.42	1.23	2.39	0.67	0.10	0.01	8.65	20.47								
	R50BO012	11.17	1.86	3.40	0.96	0.24	0.03	13.03	30.69								
	R50BO013	13.92	2.33	8.18	2.30	0.47	0.06	16.26	43.52								
	R50CA001	6.85	1.14	3.10	0.87	0.17	0.02	7.99	20.14								
	R50CA002	7.90	1.32	3.10	0.87	0.17	0.02	9.22	22.60								
	R50CA003	8.34	1.40	4.64	1.31	0.28	0.03	9.74	25.74								
	R50CA004	10.70	1.79	4.64	1.31	0.28	0.03	12.49	31.24								
	R50CA005	9.67	1.62	4.64	1.31	0.28	0.03	11.29	28.84								
	R50CA009	12.25	2.07	6.77	1.91	0.68	0.08	14.34	38.10								
	R50CA011	15.39	2.59	6.41	1.80	0.68	0.08	18.00	44.95								
	R50CA012	14.47	2.44	6.77	1.91	0.68	0.08	16.93	43.28								
	R50IP001	7.25	1.21	3.36	0.95	0.21	0.03	8.47	21.48								
	R50SI006	6.32	1.07	2.70	0.76	0.33	0.04	7.40	18.62								
	R50SI007	6.92	1.17	2.52	0.71	0.33	0.04	8.10	19.79								
	R50SI013	10.25	1.73	6.10	1.72	0.47	0.06	11.99	32.32								
	R50SI016	11.05	1.86	5.22	1.47	0.47	0.06	12.93	33.06								
	R50SI017	12.66	2.12	5.22	1.47	0.47	0.06	14.79	36.79								
	R50SI022	8.82	1.48	6.10	1.72	0.27	0.03	10.30	28.72								
	R50SI023	9.96	1.66	3.63	1.02	0.27	0.03	11.63	28.20								
	R50SI024	2.96	0.50	1.24	0.35	0.18	0.02	3.46	8.71								
	R50SI025	5.71	0.96	1.33	0.37	0.18	0.02	6.67	15.24								
R50SI026	11.40	1.90	4.60	1.30	0.18	0.02	13.30	32.70									
R50SI027	16.88	2.80	3.80	1.07	0.18	0.02	19.68	44.43									
R55	R55AE001	0.90	0.10	0.72	3.45	0.04	0.00	0.73	5.94								
	R55AE002	1.10	0.12	0.72	5.15	0.04	0.00	0.89	8.02								
	R55AE003	1.46	0.16	0.72	6.75	0.09	0.01	1.19	10.38								
	R55AE004	1.86	0.22	0.72	7.15	0.20	0.02	1.53	11.70								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																
	R55AE008	0.64	0.07	0.72	0.15	0.07	0.01	0.52	2.18								
	R55AE009	0.25	0.03	0.82	0.17	0.00	0.00	0.20	1.47								
	R55AE010	0.45	0.05	1.45	0.31	0.00	0.00	0.37	2.63								
	R55AE011	0.39	0.05	0.45	0.10	0.12	0.01	0.32	1.44								
	R55GL001	0.43	0.05	0.00	0.50	0.03	0.00	0.35	1.36								
	R55GL002	1.26	0.14	0.45	0.60	0.04	0.00	1.03	3.52								
	R55GL003	1.73	0.19	0.82	0.92	0.08	0.01	1.41	5.16								
	R55GL004	2.04	0.22	0.82	1.17	0.06	0.01	1.66	5.98								
	R55GL007	1.79	0.19	1.63	0.34	0.00	0.00	1.45	5.40								
	R55GL008	0.36	0.04	0.45	0.10	0.04	0.00	0.30	1.29								
	R55GL009	0.32	0.03	0.95	0.20	0.00	0.00	0.26	1.76								
	R55GL011	0.89	0.09	1.45	0.31	0.00	0.00	0.72	3.46								
	R55GL012	1.72	0.19	0.82	0.92	0.04	0.00	1.40	5.09								
	R55GL013	0.15	0.02	0.00	0.25	0.03	0.00	0.13	0.58								
	R55GL014	0.41	0.04	0.00	0.35	0.00	0.00	0.33	1.13								
	R55GL015	1.23	0.13	0.82	0.17	0.00	0.00	0.99	3.34								
	R55GL016	0.78	0.08	0.82	0.17	0.00	0.00	0.63	2.48								
	R55GL017	0.26	0.03	0.45	0.10	0.00	0.00	0.21	1.05								
R55GL018	0.27	0.03	0.45	0.10	0.00	0.00	0.22	1.07									
R55GL019	0.49	0.05	0.72	0.15	0.00	0.00	0.40	1.81									
S10	S10CA001	19.00	3.61	7.74	2.72	4.18	0.52	18.51	56.28	23.76	3.70	10.32	3.63	6.88	0.86	25.71	74.86
	S10CA002	21.17	5.70	11.72	3.30	8.91	1.11	23.32	75.23	23.93	5.75	15.62	4.40	14.79	1.84	27.74	94.07
	S10CA003	30.65	8.18	16.14	4.54	10.22	1.27	33.69	104.69	34.65	8.25	21.52	6.06	16.97	2.11	40.09	129.65
	S10JD001	18.92	3.58	7.96	2.80	3.77	0.47	18.42	55.92	23.64	3.67	10.61	3.73	6.26	0.78	25.58	74.27
	S10JD002	20.91	5.56	11.85	3.34	6.14	0.76	22.95	71.51	23.63	5.61	15.80	4.45	10.20	1.27	27.31	88.27
	S15	S15CA001	24.62	6.85	15.16	4.27	11.05	1.38	21.35	84.68	29.55	6.93	19.56	5.51	18.37	2.29	27.22
S15CA002		37.69	10.45	18.69	5.26	15.38	1.91	32.66	122.04	45.23	10.58	24.12	6.79	25.54	3.18	41.64	157.08
S15CA003		48.79	13.49	24.67	6.95	18.41	2.29	42.25	156.85	58.55	13.65	31.84	8.96	30.58	3.81	53.87	201.26
S20	S20CA001	28.50	7.89	23.80	5.45	14.67	1.83	26.23	108.37	31.67	7.94	31.23	7.15	25.48	3.17	30.86	137.50
	S20CA002	29.03	8.03	23.80	5.45	14.67	1.83	26.71	109.52	32.26	8.08	31.23	7.15	25.48	3.17	31.43	138.80

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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
S20	<i>cont.</i>																
	S20CA003	47.94	13.18	30.02	6.86	20.40	2.54	44.06	165.00	53.26	13.27	39.40	9.01	35.43	4.41	51.84	206.62
	S20CA004	50.01	13.74	30.02	6.86	20.40	2.54	45.96	169.53	55.57	13.82	39.40	9.01	35.43	4.41	54.07	211.71
	S20CA005	59.62	16.27	40.73	9.31	18.67	2.32	54.72	201.64	66.24	16.37	53.46	12.23	32.42	4.04	64.37	249.13
	S20CA006	62.86	17.24	40.73	9.31	24.42	3.04	57.75	215.35	69.84	17.35	53.46	12.23	42.42	5.28	67.94	268.52
S25	S25JD001	2.29	0.56	0.00	1.50	1.41	0.18	1.77	7.71	2.75	0.57	0.00	1.50	1.85	0.23	2.28	9.18
	S25JD002	2.84	0.72	0.00	1.50	2.12	0.26	2.21	9.65	3.41	0.73	0.00	1.50	2.78	0.35	2.84	11.61
	S25RI001	2.29	0.53	0.00	1.50	0.80	0.10	1.75	6.97	2.75	0.54	0.00	1.50	1.04	0.13	2.25	8.21
	S25RI002	2.61	0.60	0.00	1.50	0.80	0.10	1.99	7.60	3.14	0.61	0.00	1.50	1.04	0.13	2.56	8.98
	S25RM001	7.27	1.73	0.00	1.50	3.90	0.49	5.57	20.46	8.72	1.76	0.00	1.50	5.09	0.63	7.17	24.87
	S25RM002	8.11	1.95	0.00	1.50	4.92	0.61	6.24	23.33	9.73	1.98	0.00	1.50	6.42	0.80	8.02	28.45
	S25RM003	5.53	1.38	0.00	1.50	4.61	0.57	4.29	17.88	6.64	1.40	0.00	1.50	6.02	0.75	5.51	21.82
S30	S30HW001	9.96	3.64	10.56	4.18	1.30	0.16	9.56	39.36	16.60	3.75	12.68	6.07	1.30	0.16	19.92	60.48
	S30HW002	13.46	4.91	14.79	5.86	1.71	0.21	12.92	53.86	22.44	5.06	17.75	8.50	1.71	0.21	26.91	82.58
	S30HW005	5.35	1.96	1.69	0.67	0.79	0.10	3.34	13.90	8.92	2.02	2.03	0.97	0.79	0.10	7.27	22.10
	S30HW006	9.00	3.27	4.23	1.67	0.83	0.10	5.61	24.71	15.00	3.37	5.07	2.43	0.83	0.10	12.22	39.02
	S30HW007	9.80	3.55	5.28	2.09	0.83	0.10	6.11	27.76	16.33	3.66	6.34	3.04	0.83	0.10	13.30	43.60
	S30HW008	10.24	3.71	5.28	2.09	0.83	0.10	6.38	28.63	17.07	3.82	6.34	3.04	0.83	0.10	13.91	45.11
	S30HW009	10.55	3.85	6.34	2.51	1.25	0.16	6.58	31.24	17.59	3.97	7.61	3.64	1.25	0.16	14.33	48.55
	S30HW010	12.90	4.69	8.45	3.35	1.35	0.17	8.04	38.95	21.50	4.83	10.14	4.86	1.35	0.17	17.52	60.37
	S30HW011	12.61	4.60	8.45	3.35	1.53	0.19	7.87	38.60	21.02	4.74	10.14	4.86	1.53	0.19	17.14	59.62
	S30HW012	14.94	5.43	8.45	3.35	1.71	0.21	9.31	43.40	24.90	5.60	10.14	4.86	1.71	0.21	20.29	67.71
	S30HW013	12.03	4.38	19.01	7.53	1.27	0.16	11.55	55.93	20.06	4.51	22.82	10.93	1.27	0.16	24.05	83.80
	S30HW014	9.75	1.52	0.63	0.25	0.48	0.06	7.48	20.17	12.18	1.56	0.76	0.36	0.48	0.06	11.69	27.09
	S30HW015	10.71	1.67	1.06	0.42	0.48	0.06	8.22	22.62	13.39	1.72	1.27	0.61	0.48	0.06	12.85	30.38
	S30HW016	10.14	1.58	0.85	0.34	0.48	0.06	7.78	21.23	12.67	1.63	1.01	0.48	0.48	0.06	12.16	28.49
	S30HW017	10.89	1.70	1.06	0.42	0.48	0.06	8.35	22.96	13.61	1.74	1.27	0.61	0.48	0.06	13.06	30.83
	S30HW018	12.77	2.02	1.69	0.67	1.00	0.12	9.81	28.08	15.96	2.07	2.03	0.97	1.00	0.12	15.34	37.49
	S30KB001	2.47	0.39	0.63	0.25	0.27	0.03	1.66	5.70	3.08	0.40	0.76	0.36	0.27	0.03	2.52	7.42
	S30KB002	2.69	0.43	0.63	0.25	0.36	0.04	1.81	6.21	3.36	0.44	0.76	0.36	0.36	0.04	2.75	8.07
	S30KB003	2.62	0.42	1.06	0.42	0.29	0.04	1.76	6.61	3.27	0.43	1.27	0.61	0.29	0.04	2.68	8.59
	S30KB004	2.99	0.48	1.06	0.42	0.40	0.05	2.01	7.41	3.74	0.49	1.27	0.61	0.40	0.05	3.06	9.62
S30KB005	3.10	0.50	1.27	0.50	0.42	0.05	2.09	7.93	3.88	0.51	1.52	0.73	0.42	0.05	3.17	10.28	

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																
	S30KB006	3.63	0.58	1.69	0.67	0.44	0.05	2.45	9.51	4.54	0.60	2.03	0.97	0.44	0.05	3.71	12.34
	S30KB007	2.49	0.44	0.63	0.25	0.79	0.10	1.69	6.39	3.11	0.45	0.76	0.36	0.79	0.10	2.57	8.14
	S30KB008	3.00	0.52	0.63	0.25	0.82	0.10	2.03	7.35	3.75	0.53	0.76	0.36	0.82	0.10	3.09	9.41
	S30KB009	3.19	0.55	0.85	0.34	0.93	0.12	2.16	8.14	3.98	0.57	1.01	0.48	0.93	0.12	3.28	10.37
	S30KB010	2.62	0.46	1.06	0.42	0.90	0.11	1.78	7.35	3.27	0.47	1.27	0.61	0.90	0.11	2.70	9.33
	S30KB011	3.28	0.56	1.06	0.42	0.94	0.12	2.22	8.60	4.10	0.58	1.27	0.61	0.94	0.12	3.38	11.00
	S30KB012	3.89	0.66	1.27	0.50	0.99	0.12	2.63	10.06	4.86	0.68	1.52	0.73	0.99	0.12	4.00	12.90
	S30KB013	3.13	0.54	1.27	0.50	0.94	0.12	2.12	8.62	3.91	0.56	1.52	0.73	0.94	0.12	3.22	11.00
	S30KB014	3.92	0.67	1.69	0.67	0.99	0.12	2.66	10.72	4.90	0.68	2.03	0.97	0.99	0.12	4.03	13.72
	S30KB015	4.80	0.80	2.11	0.84	1.04	0.13	3.24	12.96	5.99	0.82	2.54	1.22	1.04	0.13	4.92	16.66
	S30KB018	7.41	1.17	1.06	0.42	0.54	0.07	4.98	15.65	9.27	1.20	1.27	0.61	0.54	0.07	7.56	20.52
	S30KB021	8.73	1.37	1.69	0.67	0.61	0.08	5.86	19.01	10.91	1.41	2.03	0.97	0.61	0.08	8.90	24.91
	S30KB024	10.25	1.61	2.54	1.01	0.68	0.08	6.89	23.06	12.82	1.65	3.04	1.46	0.68	0.08	10.45	30.18
	S30KB025	5.17	0.83	0.85	0.34	0.56	0.07	3.48	11.30	6.47	0.85	1.01	0.48	0.56	0.07	5.28	14.72
	S30KB026	6.19	0.98	0.85	0.34	0.59	0.07	4.16	13.18	7.74	1.01	1.01	0.48	0.59	0.07	6.32	17.22
	S30KB027	7.93	1.25	1.06	0.42	0.54	0.07	5.33	16.60	9.91	1.28	1.27	0.61	0.54	0.07	8.08	21.76
	S30KB028	5.37	0.86	1.27	0.50	0.60	0.07	3.61	12.28	6.71	0.88	1.52	0.73	0.60	0.07	5.48	15.99
	S30KB029	7.31	1.16	1.27	0.50	0.64	0.08	4.91	15.87	9.13	1.19	1.52	0.73	0.64	0.08	7.46	20.75
	S30KB030	9.36	1.47	1.69	0.67	0.61	0.08	6.29	20.17	11.70	1.51	2.03	0.97	0.61	0.08	9.54	26.44
	S30KB031	7.74	1.22	2.11	0.84	0.64	0.08	5.20	17.83	9.67	1.26	2.54	1.22	0.64	0.08	7.89	23.30
	S30KB032	9.35	1.47	2.11	0.84	0.70	0.09	6.29	20.85	11.69	1.51	2.54	1.22	0.70	0.09	9.54	27.29
	S30KB033	11.00	1.72	2.54	1.01	0.68	0.08	7.39	24.42	13.75	1.77	3.04	1.46	0.68	0.08	11.21	31.99
	S30KB034	3.86	0.61	0.63	0.25	0.40	0.05	2.60	8.40	4.82	0.63	0.76	0.36	0.40	0.05	3.94	10.96
	S30KB035	4.20	0.68	0.85	0.34	0.66	0.08	2.83	9.64	5.25	0.70	1.01	0.48	0.66	0.08	4.30	12.48
	S30KB036	4.14	0.66	0.85	0.34	0.44	0.05	2.79	9.27	5.18	0.68	1.01	0.48	0.44	0.05	4.23	12.07
	S30KB041	4.56	0.74	1.06	0.42	0.72	0.09	3.07	10.66	5.70	0.76	1.27	0.61	0.72	0.09	4.67	13.82
	S30KB042	5.34	0.84	1.06	0.42	0.36	0.04	3.59	11.65	6.67	0.86	1.27	0.61	0.36	0.04	5.44	15.25
	S30KB043	5.79	0.92	1.48	0.59	0.56	0.07	3.89	13.30	7.23	0.95	1.77	0.85	0.56	0.07	5.91	17.34
	S30KB044	5.79	0.92	1.48	0.59	0.56	0.07	3.89	13.30	7.23	0.95	1.77	0.85	0.56	0.07	5.91	17.34
S30KB045	14.65	5.30	15.92	3.92	1.06	0.13	14.05	55.03	24.42	5.47	19.30	5.70	1.06	0.13	29.27	85.35	
S30KB046	14.66	5.29	8.87	3.51	0.86	0.11	16.86	50.16	24.43	5.45	10.65	5.10	0.86	0.11	37.45	84.05	
S30KB047	12.49	4.51	13.31	5.27	0.89	0.11	14.37	50.95	20.82	4.66	15.97	7.65	0.89	0.11	31.92	82.02	
S30KB048	12.00	1.88	3.38	1.34	0.64	0.08	9.21	28.53	15.00	1.93	4.06	1.94	0.64	0.08	14.40	38.05	
S30KB049	11.44	1.92	3.80	1.50	3.14	0.39	8.84	31.03	14.30	1.97	4.56	2.18	3.14	0.39	13.83	40.37	
S30KB050	16.57	2.57	10.56	4.18	0.53	0.07	12.71	47.19	20.72	2.64	12.68	6.07	0.53	0.07	19.87	62.58	

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																
	S30KB051	21.23	3.28	10.56	4.18	0.53	0.07	16.27	56.12	26.54	3.37	12.68	6.07	0.53	0.07	25.45	74.71
	S30KB052	21.30	3.28	10.56	4.18	0.35	0.04	16.32	56.03	26.63	3.37	12.68	6.07	0.35	0.04	25.52	74.66
	S30KB053	5.87	0.92	1.48	0.59	0.39	0.05	3.94	13.24	7.34	0.95	1.77	0.85	0.39	0.05	5.98	17.33
	S30KB054	5.25	0.84	1.06	0.42	0.53	0.07	3.54	11.71	6.57	0.86	1.27	0.61	0.53	0.07	5.37	15.28
	S30KB055	10.28	3.72	7.96	1.96	0.83	0.10	6.40	31.25	17.13	3.84	9.65	2.85	0.83	0.10	13.95	48.35
	S30KB056	10.59	3.83	7.96	1.96	0.83	0.10	6.60	31.87	17.64	3.95	9.65	2.85	0.83	0.10	14.37	49.39
	S30KB057	12.02	4.34	9.86	2.43	0.83	0.10	7.49	37.07	20.04	4.48	11.95	3.53	0.83	0.10	16.32	57.25
	S30KB058	10.46	3.77	10.56	4.18	0.70	0.09	6.51	36.27	17.43	3.89	12.68	6.07	0.70	0.09	14.19	55.05
	S30KB059	16.47	5.94	12.68	5.02	1.05	0.13	10.26	51.55	27.44	6.12	15.21	7.28	1.05	0.13	22.34	79.57
	S30PU001	18.85	2.93	9.51	2.34	0.96	0.12	12.65	47.36	23.56	3.01	11.52	3.40	0.96	0.12	19.20	61.77
	S30PU002	27.75	4.33	15.48	3.81	1.60	0.20	18.63	71.80	34.69	4.45	18.76	5.54	1.60	0.20	28.27	93.51
	S30PU003	42.28	6.57	15.48	3.81	1.89	0.24	28.37	98.64	52.85	6.75	18.76	5.54	1.89	0.24	43.05	129.08
	S30RA002	4.66	0.73	1.11	0.27	0.19	0.02	3.57	10.55	5.82	0.75	1.34	0.40	0.19	0.02	5.59	14.11
	S30RA003	8.69	1.36	2.17	0.53	0.38	0.05	6.67	19.85	10.87	1.39	2.63	0.78	0.38	0.05	10.43	26.53
	S30TS001	3.23	0.51	0.42	0.17	0.32	0.04	2.17	6.86	4.03	0.53	0.51	0.24	0.32	0.04	3.29	8.96
	S30TS002	3.59	0.57	0.63	0.25	0.39	0.05	2.41	7.89	4.48	0.59	0.76	0.36	0.39	0.05	3.66	10.29
	S30TS003	3.39	0.54	0.42	0.17	0.36	0.04	2.28	7.20	4.23	0.55	0.51	0.24	0.36	0.04	3.46	9.39
	S30TS004	3.80	0.61	0.85	0.34	0.45	0.06	2.56	8.67	4.75	0.62	1.01	0.48	0.45	0.06	3.88	11.25
	S30TS005	3.58	0.57	0.85	0.34	0.40	0.05	2.41	8.20	4.48	0.59	1.01	0.48	0.40	0.05	3.66	10.67
	S30TS006	4.07	0.65	0.85	0.34	0.51	0.06	2.74	9.22	5.09	0.67	1.01	0.48	0.51	0.06	4.16	11.98
S30TS007	3.62	0.58	0.85	0.34	0.45	0.06	2.44	8.34	4.52	0.60	1.01	0.48	0.45	0.06	3.70	10.82	
S30TS008	4.19	0.67	1.06	0.42	0.57	0.07	2.82	9.80	5.24	0.69	1.27	0.61	0.57	0.07	4.28	12.73	
S30TS009	9.03	3.22	12.68	8.02	0.00	0.00	8.64	41.59	15.04	3.32	15.21	10.28	0.00	0.00	18.00	61.85	
S30TS010	13.44	4.80	16.90	10.69	0.00	0.00	12.87	58.70	22.40	4.94	20.28	13.71	0.00	0.00	26.80	88.13	
S30TS011	22.50	8.03	33.80	21.38	0.00	0.00	21.55	107.26	37.50	8.28	40.56	27.42	0.00	0.00	44.88	158.64	
S35																	
	S35AR001	0.28	0.04	0.00	0.00	0.00	0.00	0.24	0.56								
	S35AR002	0.42	0.06	0.00	0.00	0.00	0.00	0.36	0.84								
S40																	
	S40BO002	24.09	4.44	17.37	4.28	0.48	0.06	22.03	72.75	30.12	4.55	22.67	5.58	0.75	0.09	30.78	94.54
	S40BO003	24.53	4.52	17.37	4.28	0.48	0.06	22.44	73.68	30.67	4.63	22.67	5.58	0.75	0.09	31.34	95.73
	S40BO004	23.33	4.30	17.37	4.28	0.48	0.06	21.34	71.16	29.17	4.41	22.67	5.58	0.75	0.09	29.81	92.48
	S40CA001	24.82	4.58	16.16	3.98	0.48	0.06	22.69	72.77	31.02	4.69	21.10	5.20	0.75	0.09	31.71	94.56
S40CA002	22.32	4.17	16.16	3.98	1.37	0.17	20.47	68.64	27.90	4.27	21.10	5.20	2.17	0.27	28.59	89.50	

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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
S45	S45DA004	1.58	0.18	0.00	0.25	0.00	0.00	1.70	3.71								
	S45DA005	2.01	0.24	0.00	0.25	0.00	0.00	2.17	4.67								
	S45DA007	2.10	0.25	0.00	0.25	0.00	0.00	2.26	4.86								
T10	T10CA001	0.95	0.17	0.00	0.08	0.00	0.00	0.81	2.01	1.18	0.18	0.00	0.08	0.00	0.00	1.14	2.58
	T10CA002	1.42	0.26	0.00	0.08	0.00	0.00	1.22	2.98	1.78	0.27	0.00	0.08	0.00	0.00	1.71	3.84
	T10CA004	1.05	0.19	0.00	0.08	0.00	0.00	0.90	2.22	1.31	0.20	0.00	0.08	0.00	0.00	1.26	2.85
	T10CA005	1.42	0.26	0.00	0.08	0.00	0.00	1.22	2.98	1.78	0.27	0.00	0.08	0.00	0.00	1.71	3.84
	T10CA007	1.22	0.22	0.00	0.08	0.00	0.00	1.04	2.56	1.52	0.23	0.00	0.08	0.00	0.00	1.46	3.29
	T10CA008	1.42	0.26	0.00	0.08	0.00	0.00	1.22	2.98	1.78	0.27	0.00	0.08	0.00	0.00	1.71	3.84
	T10CA009	1.92	0.35	0.00	0.08	0.00	0.00	1.64	3.99	2.40	0.36	0.00	0.08	0.00	0.00	2.31	5.15
	T10CA010	1.79	0.33	0.00	0.08	0.00	0.00	1.53	3.73	2.24	0.34	0.00	0.08	0.00	0.00	2.16	4.82
	T10CA011	2.24	0.41	0.00	0.08	0.00	0.00	1.92	4.65	2.80	0.42	0.00	0.08	0.00	0.00	2.70	6.00
	T10CA012	2.95	0.54	0.00	0.08	0.00	0.00	2.52	6.09	3.68	0.55	0.00	0.08	0.00	0.00	3.55	7.86
	T10CA013	3.23	0.59	0.00	0.08	0.00	0.00	2.77	6.67	4.04	0.61	0.00	0.08	0.00	0.00	3.89	8.62
	T10CA014	2.69	0.49	0.00	0.08	0.00	0.00	2.30	5.56	3.36	0.51	0.00	0.08	0.00	0.00	3.23	7.18
	T10CA015	2.87	0.53	0.00	0.10	0.00	0.00	2.46	5.96	3.59	0.54	0.00	0.10	0.00	0.00	3.46	7.69
	T10CA016	3.54	0.65	0.00	0.12	0.00	0.00	3.03	7.34	4.43	0.67	0.00	0.12	0.00	0.00	4.26	9.48
	T10CA017	3.84	0.70	0.00	0.13	0.00	0.00	3.29	7.96	4.80	0.72	0.00	0.13	0.00	0.00	4.62	10.27
	T10CA018	3.39	0.62	0.00	0.13	0.00	0.00	2.90	7.04	4.24	0.64	0.00	0.13	0.00	0.00	4.08	9.09
	T10CA019	0.09	0.02	0.00	0.05	0.00	0.00	0.08	0.24	0.12	0.02	0.00	0.05	0.00	0.00	0.11	0.30
	T10CA020	2.90	0.53	0.00	0.15	0.00	0.00	2.48	6.06	3.63	0.55	0.00	0.15	0.00	0.00	3.49	7.82
	T10CA021	5.21	0.96	0.00	0.19	0.00	0.00	4.46	10.82	6.51	0.98	0.00	0.19	0.00	0.00	6.27	13.95
	T10CA022	5.65	1.04	0.00	0.19	0.00	0.00	4.84	11.72	7.07	1.06	0.00	0.19	0.00	0.00	6.80	15.12
	T10CA023	3.67	0.67	0.00	0.20	0.00	0.00	3.14	7.68	4.58	0.69	0.00	0.20	0.00	0.00	4.41	9.88
	T10CA024	7.22	1.33	0.00	0.28	0.00	0.00	6.18	15.01	9.02	1.36	0.00	0.28	0.00	0.00	8.68	19.34
	T10CA025	7.79	1.43	0.00	0.29	0.00	0.00	6.67	16.18	9.74	1.47	0.00	0.29	0.00	0.00	9.38	20.88
	T10CA026	11.12	2.04	0.00	0.40	0.00	0.00	9.52	23.08	13.90	2.09	0.00	0.40	0.00	0.00	13.38	29.77
	T10CA027	12.01	2.21	0.00	0.42	0.00	0.00	10.29	24.93	15.02	2.26	0.00	0.42	0.00	0.00	14.45	32.15
	T10JD001	0.80	0.15	0.00	0.25	0.06	0.01	0.69	1.96	1.00	0.16	0.00	0.25	0.06	0.01	0.97	2.45
	T10LE001	0.56	0.10	0.00	0.25	0.00	0.00	0.48	1.39	0.70	0.10	0.00	0.25	0.00	0.00	0.67	1.72
	T10LE002	0.63	0.12	0.00	0.25	0.00	0.00	0.54	1.54	0.79	0.12	0.00	0.25	0.00	0.00	0.76	1.92
T10LE003	0.68	0.13	0.00	0.25	0.00	0.00	0.58	1.64	0.85	0.13	0.00	0.25	0.00	0.00	0.82	2.05	
T10LE004	1.16	0.21	0.00	0.25	0.00	0.00	1.00	2.62	1.46	0.22	0.00	0.25	0.00	0.00	1.40	3.33	

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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.																
	T10LE005	1.30	0.24	0.00	0.25	0.00	0.00	1.11	2.90	1.62	0.24	0.00	0.25	0.00	0.00	1.56	3.67
T15																	
	T15CA002	6.14	1.37	3.38	1.07	0.00	0.00	8.25	20.21	7.67	1.40	4.41	1.40	0.00	0.00	11.73	26.61
	T15CA005	7.21	1.61	3.86	1.22	0.00	0.00	9.69	23.59	9.01	1.64	5.04	1.60	0.00	0.00	13.77	31.06
	T15CA008	13.02	2.91	6.75	2.14	0.00	0.00	17.51	42.33	16.28	2.96	8.82	2.79	0.00	0.00	24.88	55.73
	T15CA009	19.58	4.38	7.96	2.52	0.00	0.00	26.32	60.76	24.47	4.46	10.39	3.29	0.00	0.00	37.40	80.01
	T15CA011	17.27	3.86	8.92	2.83	0.00	0.00	23.22	56.10	21.59	3.93	11.65	3.69	0.00	0.00	33.00	73.86
	T15CA012	20.41	5.07	11.10	2.73	0.00	0.00	27.95	67.26	24.30	5.14	14.49	3.57	0.00	0.00	34.66	82.16
	T15CA014	24.10	5.99	11.58	2.85	0.00	0.00	33.00	77.52	28.69	6.07	15.12	3.72	0.00	0.00	40.93	94.53
	T15CA016	24.53	6.10	14.71	3.62	0.00	0.00	33.59	82.55	29.20	6.18	19.21	4.73	0.00	0.00	41.66	100.98
	T15CA017	33.86	8.42	19.54	4.81	0.00	0.00	46.37	113.00	40.31	8.53	25.51	6.28	0.00	0.00	57.51	138.14
	T15CA018	38.64	10.32	23.68	5.00	0.00	0.00	49.61	127.25	46.37	10.45	30.55	6.45	0.00	0.00	66.95	160.77
	T15CA019	69.50	18.56	35.31	7.46	0.00	0.00	89.22	220.05	83.40	18.79	45.56	9.62	0.00	0.00	120.41	277.78
	T15CA020	6.37	1.42	3.86	1.22	0.00	0.00	8.56	21.43	7.96	1.45	5.04	1.60	0.00	0.00	12.17	28.22
	T15CA021	7.31	1.63	4.34	1.37	0.00	0.00	9.83	24.48	9.14	1.66	5.67	1.80	0.00	0.00	13.97	32.24
	T15CA022	7.97	1.78	4.34	1.37	0.00	0.00	10.71	26.17	9.96	1.81	5.67	1.80	0.00	0.00	15.22	34.46
	T15CA023	14.54	3.25	7.96	2.52	0.00	0.00	19.55	47.82	18.18	3.31	10.39	3.29	0.00	0.00	27.79	62.96
	T15CA024	10.10	2.26	4.82	1.53	0.00	0.00	13.58	32.29	12.63	2.30	6.30	2.00	0.00	0.00	19.31	42.54
	T15CS004	6.60	1.47	3.23	1.02	0.00	0.00	8.87	21.19	8.25	1.50	4.22	1.34	0.00	0.00	12.60	27.91
	T15CS005	6.76	1.51	3.62	1.15	0.00	0.00	9.09	22.13	8.45	1.54	4.72	1.50	0.00	0.00	12.92	29.13
	T15CS006	8.37	1.87	4.39	1.39	0.00	0.00	11.26	27.28	10.47	1.91	5.73	1.81	0.00	0.00	16.00	35.92
	T15CS007	11.48	2.57	5.74	1.82	0.00	0.00	15.43	37.04	14.35	2.61	7.49	2.37	0.00	0.00	21.93	48.75
	T15JD005	5.21	1.17	3.38	1.07	0.00	0.00	7.01	17.84	6.52	1.19	4.41	1.40	0.00	0.00	9.96	23.48
	T15JD006	6.30	1.41	3.57	1.13	0.00	0.00	8.47	20.88	7.88	1.43	4.66	1.48	0.00	0.00	12.04	27.49
	T15JD007	7.04	1.57	4.34	1.37	0.00	0.00	9.47	23.79	8.80	1.60	5.67	1.80	0.00	0.00	13.46	31.33
	T15JD008	12.49	2.79	6.75	2.14	0.00	0.00	16.78	40.95	15.61	2.84	8.82	2.79	0.00	0.00	23.86	53.92
	T15JD009	13.34	2.98	6.75	2.14	0.00	0.00	17.94	43.15	16.68	3.04	8.82	2.79	0.00	0.00	25.50	56.83
	T15JD010	15.06	3.37	8.92	2.83	0.00	0.00	20.24	50.42	18.82	3.43	11.65	3.69	0.00	0.00	28.77	66.36
	T15JD011	18.51	4.14	8.92	2.83	0.00	0.00	24.88	59.28	23.13	4.21	11.65	3.69	0.00	0.00	35.36	78.04
	T15KM001	6.39	1.43	3.38	1.07	0.00	0.00	8.59	20.86	7.98	1.45	4.41	1.40	0.00	0.00	12.20	27.44
	T15KM002	7.01	1.57	3.62	1.15	0.00	0.00	9.42	22.77	8.76	1.60	4.72	1.50	0.00	0.00	13.39	29.97
	T15KM003	12.60	2.81	6.27	1.99	0.00	0.00	16.93	40.60	15.74	2.87	8.19	2.59	0.00	0.00	24.07	53.46
	T15KM007	23.87	5.33	10.85	3.44	0.00	0.00	32.09	75.58	29.84	5.43	14.17	4.49	0.00	0.00	45.61	99.54
	T15KM008	25.29	6.28	14.95	3.68	0.00	0.00	34.63	84.83	30.11	6.37	19.52	4.81	0.00	0.00	42.95	103.76

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																	
	T15KM011	78.17	20.88	35.72	7.54	0.00	0.00	100.35	242.66	93.80	21.14	46.10	9.73	0.00	0.00	135.43	306.20	
	T15KM012	37.69	9.37	19.54	4.81	0.00	0.00	51.62	123.03	44.87	9.49	25.51	6.28	0.00	0.00	64.02	150.17	
	T15KM013	18.23	4.07	9.17	2.90	0.00	0.00	24.50	58.87	22.78	4.15	11.97	3.79	0.00	0.00	34.83	77.52	
	T15KM014	47.06	12.57	21.81	4.61	0.00	0.00	60.42	146.47	56.48	12.73	28.14	5.94	0.00	0.00	81.54	184.83	
T20																		
	T20CA001	16.98	3.96	9.14	2.25	3.98	0.50	10.51	47.32	18.28	3.99	11.79	2.90	8.33	1.04	12.27	58.60	
	T20CA002	24.88	5.85	13.09	3.22	7.52	0.94	15.42	70.92	26.80	5.89	16.88	4.16	15.76	1.96	18.00	89.45	
	T20CA003	36.94	8.74	18.69	4.60	8.42	1.05	22.91	101.35	39.78	8.79	24.12	5.94	17.65	2.20	26.74	125.22	
T25																		
	T25CA006	14.48	2.42	11.81	2.91	0.00	0.00	12.64	44.26									
	T25CA007	15.90	2.66	12.91	3.18	0.00	0.00	13.88	48.53									
	T25CA008	17.24	2.88	15.61	3.85	0.00	0.00	15.05	54.63									
	T25JD008	5.87	0.83	4.64	1.14	0.52	0.06	4.24	17.30									
	T25JD009	5.88	0.83	5.97	1.47	0.52	0.06	4.24	18.97									
	T25JD010	9.23	1.32	7.30	1.80	1.12	0.14	6.68	27.59									
	T25JD012	12.23	1.93	13.71	3.38	4.70	0.59	8.99	45.53									
	T25JD013	16.32	2.49	18.79	4.63	4.70	0.59	11.93	59.45									
	T25JD014	12.83	1.81	9.07	2.23	1.12	0.14	9.26	36.46									
T30																		
	T30CS003	2.57	0.39	1.64	0.40	0.07	0.01	2.53	7.61	3.42	0.41	2.18	0.54	0.10	0.01	3.74	10.40	
	T30CS004	2.65	0.42	1.33	0.33	0.32	0.04	2.64	7.73	3.54	0.44	1.77	0.44	0.45	0.06	3.90	10.60	
	T30CS005	3.25	0.51	1.46	0.36	0.32	0.04	3.22	9.16	4.33	0.53	1.95	0.48	0.45	0.06	4.77	12.57	
	T30CS006	4.63	0.72	2.03	0.50	0.32	0.04	4.58	12.82	6.17	0.75	2.71	0.67	0.46	0.06	6.78	17.60	
	T30CS007	5.68	0.88	2.48	0.61	0.32	0.04	5.61	15.62	7.57	0.91	3.30	0.81	0.46	0.06	8.31	21.42	
	T30CS008	7.34	1.14	3.49	0.86	0.49	0.06	7.26	20.64	9.79	1.18	4.66	1.15	0.70	0.09	10.76	28.33	
	T30DW005	3.14	0.50	1.95	0.48	0.32	0.04	3.11	9.54	4.19	0.51	2.59	0.64	0.45	0.06	4.61	13.05	
	T30DW010	12.06	1.89	4.69	1.16	1.67	0.21	11.95	33.63	16.09	1.96	6.25	1.54	2.36	0.29	17.70	46.19	
	T30DW011	14.80	2.23	4.69	1.16	0.00	0.00	14.54	37.42	19.73	2.31	6.25	1.54	0.00	0.00	21.53	51.36	
	T30DW012	0.85	0.13	1.28	0.32	0.03	0.00	0.84	3.45	1.13	0.13	1.67	0.41	0.04	0.00	1.24	4.62	
	T30DW013	1.25	0.19	1.77	0.44	0.09	0.01	1.24	4.99	1.67	0.20	2.31	0.57	0.12	0.01	1.83	6.71	
	T30DW014	2.91	0.46	1.55	0.38	0.32	0.04	2.89	8.55	3.88	0.48	2.06	0.51	0.46	0.06	4.27	11.72	
	T30DW015	4.29	0.67	2.30	0.57	0.32	0.04	4.25	12.44	5.73	0.69	3.07	0.76	0.46	0.06	6.29	17.06	
		T30DW016	4.81	0.74	2.34	0.58	0.24	0.03	4.75	13.49	6.41	0.77	3.12	0.77	0.34	0.04	7.03	18.48

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																
	T30DW017	5.51	0.85	3.27	0.81	0.32	0.04	5.44	16.24	7.34	0.88	4.36	1.07	0.46	0.06	8.06	22.23
	T30DW018	6.96	1.07	3.45	0.85	0.32	0.04	6.87	19.56	9.28	1.11	4.60	1.13	0.46	0.06	10.17	26.81
	T30TM001	25.94	3.90	8.18	2.02	0.00	0.00	25.48	65.52	34.58	4.05	10.91	2.69	0.00	0.00	37.74	89.97
	T30TM002	26.38	3.97	8.18	2.02	0.00	0.00	25.92	66.47	35.18	4.12	10.91	2.69	0.00	0.00	38.39	91.29
	T30TM003	28.26	4.25	8.18	2.02	0.00	0.00	27.76	70.47	37.67	4.41	10.91	2.69	0.00	0.00	41.11	96.79
	T30TM004	28.01	4.21	8.18	2.02	0.00	0.00	27.52	69.94	37.35	4.37	10.91	2.69	0.00	0.00	40.76	96.08
	T30TM005	29.46	4.43	8.18	2.02	0.00	0.00	28.94	73.03	39.28	4.60	10.91	2.69	0.00	0.00	42.86	100.34
	T30TM006	31.64	4.76	8.18	2.02	0.00	0.00	31.09	77.69	42.19	4.94	10.91	2.69	0.00	0.00	46.04	106.77
	T30TM007	35.42	5.33	10.61	2.61	0.00	0.00	34.80	88.77	47.23	5.53	14.15	3.49	0.00	0.00	51.54	121.94
	T30TM008	36.79	5.53	10.61	2.61	0.00	0.00	36.15	91.69	49.05	5.74	14.15	3.49	0.00	0.00	53.53	125.96
	T30TM009	36.68	5.52	11.94	2.94	0.00	0.00	36.04	93.12	48.91	5.72	15.92	3.92	0.00	0.00	53.38	127.85
	T30TM010	40.96	6.16	11.94	2.94	0.00	0.00	40.24	102.24	54.61	6.39	15.92	3.92	0.00	0.00	59.59	140.43
	T30TM012	48.45	7.29	15.48	3.81	0.00	0.00	47.61	122.64	64.60	7.56	20.64	5.08	0.00	0.00	70.50	168.38
	T30TM013	75.60	11.37	17.78	4.38	0.00	0.00	74.27	183.40	100.80	11.79	23.70	5.84	0.00	0.00	109.99	252.12
T30TM014	74.03	11.14	22.24	5.48	0.00	0.00	72.73	185.62	98.70	11.55	29.66	7.31	0.00	0.00	107.71	254.93	
T30TM015	78.32	11.78	22.24	5.48	0.00	0.00	76.95	194.77	104.42	12.22	29.66	7.31	0.00	0.00	113.95	267.56	
T30VE007	12.71	1.91	3.76	0.93	0.00	0.00	12.48	31.79	16.94	1.98	5.01	1.23	0.00	0.00	18.49	43.65	
T30VE008	21.57	3.24	6.19	1.52	0.00	0.00	21.19	53.71	28.76	3.36	8.25	2.03	0.00	0.00	31.38	73.78	
T30VE009	31.75	4.78	7.96	1.96	0.00	0.00	31.19	77.64	42.33	4.95	10.61	2.61	0.00	0.00	46.19	106.69	
T30VE010	40.86	6.15	11.06	2.72	0.00	0.00	40.14	100.93	54.48	6.37	14.74	3.63	0.00	0.00	59.45	138.67	
T35	T35CT001	18.28	2.75	6.19	1.52	0.00	0.00	17.96	46.70	24.38	2.85	8.25	2.03	0.00	0.00	26.60	64.11
	T35CT002	22.45	3.38	6.19	1.52	0.00	0.00	22.06	55.60	29.94	3.50	8.25	2.03	0.00	0.00	32.67	76.39
	T35CT003	25.22	3.79	8.18	2.02	0.00	0.00	24.78	63.99	33.63	3.93	10.91	2.69	0.00	0.00	36.70	87.86
	T35CT004	23.74	3.57	4.51	1.11	0.00	0.00	23.32	56.25	31.65	3.70	6.01	1.48	0.00	0.00	34.54	77.38
	T35CT005	23.59	3.55	4.51	1.11	0.00	0.00	23.18	55.94	31.46	3.68	6.01	1.48	0.00	0.00	34.33	76.96
	T35CT006	22.46	3.38	4.51	1.11	0.00	0.00	22.07	53.53	29.95	3.50	6.01	1.48	0.00	0.00	32.68	73.62
	T35CT007	24.86	3.74	4.51	1.11	0.00	0.00	24.42	58.64	33.14	3.88	6.01	1.48	0.00	0.00	36.17	80.68
	T35CT008	31.66	4.76	6.63	1.63	0.00	0.00	31.11	75.79	42.21	4.94	8.84	2.18	0.00	0.00	46.07	104.24
	T35CT009	37.14	5.59	6.63	1.63	0.00	0.00	36.49	87.48	49.52	5.79	8.84	2.18	0.00	0.00	54.04	120.37
	T35CT010	36.95	5.56	6.63	1.63	0.00	0.00	36.30	87.07	49.26	5.76	8.84	2.18	0.00	0.00	53.76	119.80
	T35CT011	43.84	6.60	7.74	1.91	0.00	0.00	43.08	103.17	58.46	6.84	10.32	2.54	0.00	0.00	63.79	141.95
T40	T40AH001	1.92	0.29	0.00	0.25	0.00	0.00	1.66	4.12								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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.																
	T40AH002	2.30	0.35	0.00	0.25	0.00	0.00	1.98	4.88								
	T40AH003	3.28	0.49	0.00	0.25	0.00	0.00	2.83	6.85								
	T40AH004	3.67	0.55	0.00	0.25	0.00	0.00	3.16	7.63								
	T40BD001	9.09	1.38	4.95	1.39	0.17	0.02	6.86	23.86								
	T40GN001	1.12	0.14	0.00	0.00	0.00	0.00	0.75	2.01	1.38	0.14	0.00	0.00	0.00	0.00	1.05	2.57
	T40KF011	0.31	0.05	0.00	0.00	0.00	0.00	0.20	0.56								
	T40KF013	0.33	0.05	0.00	0.00	0.00	0.00	0.22	0.60								
	T40KF014	0.36	0.05	0.00	0.00	0.00	0.00	0.23	0.64								
	T40KF016	0.43	0.06	0.00	0.00	0.00	0.00	0.28	0.77								
	T40KF018	0.52	0.08	0.00	0.00	0.00	0.00	0.34	0.94								
	T40KF020	0.60	0.09	0.00	0.00	0.00	0.00	0.39	1.08								
	T40KF021	0.26	0.04	0.00	0.10	0.00	0.00	0.19	0.59								
	T40KF022	0.49	0.07	0.00	0.10	0.00	0.00	0.37	1.03								
	T40KF023	0.33	0.05	0.00	0.05	0.00	0.00	0.25	0.68								
	T40KF024	0.39	0.06	0.00	0.05	0.00	0.00	0.29	0.79								
	T40MY002	0.48	0.06	0.00	0.00	0.00	0.00	0.32	0.86	0.59	0.06	0.00	0.00	0.00	0.00	0.45	1.10
	T40MY004	0.69	0.09	0.00	0.00	0.00	0.00	0.46	1.24	0.85	0.09	0.00	0.00	0.00	0.00	0.65	1.59
	T40MY005	0.98	0.12	0.00	0.00	0.00	0.00	0.66	1.76	1.21	0.13	0.00	0.00	0.00	0.00	0.93	2.27
	T40MY006	1.12	0.14	0.00	0.00	0.00	0.00	0.75	2.01	1.38	0.14	0.00	0.00	0.00	0.00	1.05	2.57
	T40PA001	0.83	0.12	0.00	0.24	0.00	0.00	0.71	1.90								
	T40PA002	2.52	0.38	0.00	0.24	0.00	0.00	2.17	5.31								
	T40PA003	3.58	0.54	0.00	0.26	0.00	0.00	3.09	7.47								
	T40PA004	5.44	0.82	0.00	0.26	0.00	0.00	4.69	11.21								
	T40PA005	7.87	1.18	0.00	0.27	0.00	0.00	6.78	16.10								
	T40PA006	7.92	1.19	0.00	0.27	0.00	0.00	6.82	16.20								
	T40RS001	1.69	0.28	0.00	0.00	0.00	0.00	1.16	3.13								
	T40RS002	1.96	0.32	0.00	0.00	0.00	0.00	1.35	3.63								
	T40RS003	2.16	0.36	0.00	0.00	0.00	0.00	1.49	4.01								
	T40XX034	15.81	2.17	12.33	3.47	0.00	0.00	11.21	44.99								
	T40XX035	15.82	2.17	13.12	3.69	0.00	0.00	11.22	46.02								
	T40XX036	15.83	2.17	14.95	4.21	0.00	0.00	11.23	48.39								
	T40XX037	15.85	2.18	14.95	4.21	0.00	0.00	11.25	48.44								
	T40XX038	15.88	2.18	14.95	4.21	0.00	0.00	11.26	48.48								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	T45EA006	2.06	0.40	0.00	0.50	1.45	0.18	1.01	5.60								
	T45EA007	3.35	0.63	0.00	0.50	2.18	0.27	1.64	8.57								
	T45MY004	1.94	0.35	0.00	0.30	0.99	0.12	1.32	5.02	2.42	0.36	0.00	0.30	1.19	0.15	1.89	6.31
	T45MY005	2.61	0.48	0.00	0.30	1.48	0.18	1.78	6.83	3.26	0.49	0.00	0.30	1.78	0.22	2.55	8.60
	T45MY006	2.69	0.49	0.00	0.30	1.48	0.18	1.84	6.98	3.36	0.51	0.00	0.30	1.78	0.22	2.63	8.80
	T45MY007	2.58	0.48	0.00	0.30	1.48	0.18	1.77	6.79	3.23	0.49	0.00	0.30	1.78	0.22	2.52	8.54
	T45MY015	2.13	0.38	0.00	0.40	0.99	0.12	1.35	5.37	2.66	0.39	0.00	0.40	1.19	0.15	1.94	6.73
	T45MY016	2.17	0.39	0.00	0.40	0.99	0.12	1.37	5.44	2.71	0.40	0.00	0.40	1.19	0.15	1.98	6.83
	T45MY017	2.25	0.43	0.00	0.40	1.48	0.18	1.43	6.17	2.81	0.44	0.00	0.40	1.78	0.22	2.06	7.71
	T45MY018	1.64	0.26	0.00	0.40	0.99	0.12	0.97	4.38								
	T45MY019	1.62	0.26	0.00	0.40	0.99	0.12	0.96	4.35								
	T45XX001	2.68	0.45	0.00	0.40	0.72	0.09	1.81	6.15	3.35	0.46	0.00	0.40	0.86	0.11	2.59	7.77
	T45XX003	3.12	0.52	0.00	0.40	0.72	0.09	2.11	6.96	3.89	0.53	0.00	0.40	0.86	0.11	3.01	8.80
	T45XX008	2.08	0.36	0.00	0.40	0.72	0.09	1.31	4.96	2.60	0.37	0.00	0.40	0.86	0.11	1.89	6.23
	T45XX009	2.77	0.39	0.00	0.40	0.72	0.09	1.61	5.98								
	T45XX010	2.83	0.40	0.00	0.40	0.72	0.09	1.65	6.09								
	T45XX011	2.25	0.38	0.00	0.40	0.63	0.08	1.09	4.83								
	T45XX012	2.40	0.40	0.00	0.40	0.63	0.08	1.16	5.07								
	T45XX013	2.50	0.42	0.00	0.40	0.72	0.09	1.21	5.34								
	T45XX014	3.03	0.52	0.00	0.50	0.95	0.12	1.47	6.59								
	T45XX015	3.10	0.53	0.00	0.50	0.95	0.12	1.50	6.70								
	T45XX016	3.47	0.59	0.00	0.50	1.08	0.13	1.68	7.45								
	T45XX017	3.63	0.63	0.00	0.50	1.30	0.16	1.76	7.98								
	T45XX018	3.83	0.66	0.00	0.50	1.30	0.16	1.86	8.31								
	T45XX019	4.24	0.72	0.00	0.50	1.30	0.16	2.05	8.97								
	T45XX020	4.20	0.72	0.00	0.60	1.44	0.18	2.04	9.18								
	T45XX021	4.44	0.76	0.00	0.60	1.44	0.18	2.15	9.57								
	T45XX022	5.00	0.86	0.00	0.60	1.73	0.22	2.42	10.83								
T45XX023	5.96	1.03	0.00	0.60	2.15	0.27	2.89	12.90									
T45XX024	1.89	0.33	0.00	0.09	0.72	0.09	0.92	4.04									
T45XX025	2.04	0.35	0.00	0.10	0.72	0.09	0.99	4.29									
T45XX026	1.19	0.20	0.00	0.40	0.36	0.04	0.58	2.77									
T45XX027	1.31	0.23	0.00	0.40	0.51	0.06	0.64	3.15									
T45XX028	1.49	0.27	0.00	0.40	0.66	0.08	0.73	3.63									

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																
	T45XX029	4.93	1.02	2.79	0.59	0.36	0.04	3.42	13.15								
	T45XX030	4.92	1.05	2.79	0.59	0.72	0.09	3.44	13.60								
	T45XX031	5.97	1.26	2.79	0.59	0.72	0.09	4.16	15.58								
	T45XX032	3.98	0.50	0.00	0.50	0.00	0.00	2.29	7.27								
	T45XX033	4.69	0.59	0.00	0.60	0.00	0.00	2.70	8.58								
	T45XX034	2.30	0.35	0.00	0.40	0.00	0.00	1.10	4.15								
	T45XX035	2.45	0.37	0.00	0.40	0.00	0.00	1.17	4.39								
T50	T50GM001	1.32	0.21	2.72	0.67	0.20	0.02	1.01	6.15	1.63	0.21	3.62	0.89	0.26	0.03	1.34	7.98
	T50GM004	3.35	0.51	6.46	1.59	0.20	0.02	2.56	14.69	4.13	0.52	8.61	2.12	0.26	0.03	3.38	19.05
	T50GM005	3.61	0.55	6.46	1.59	0.24	0.03	2.75	15.23	4.44	0.56	8.61	2.12	0.32	0.04	3.63	19.72
	T50XX001	1.28	0.21	2.94	0.72	0.34	0.04	0.99	6.52	1.58	0.21	3.93	0.97	0.43	0.05	1.31	8.48
	T50XX002	1.55	0.25	2.94	0.72	0.40	0.05	1.20	7.11	1.91	0.25	3.93	0.97	0.50	0.06	1.58	9.20
	T50XX003	1.79	0.28	4.08	1.01	0.39	0.05	1.37	8.97	2.20	0.29	5.44	1.34	0.48	0.06	1.81	11.62
	T50XX004	1.57	0.25	2.94	0.72	0.40	0.05	1.21	7.14	1.94	0.26	3.93	0.97	0.53	0.07	1.60	9.30
	T50XX005	1.85	0.29	2.94	0.72	0.47	0.06	1.42	7.75	2.28	0.30	3.93	0.97	0.62	0.08	1.88	10.06
	T50XX006	1.92	0.30	4.08	1.01	0.45	0.06	1.48	9.30	2.37	0.31	5.44	1.34	0.59	0.07	1.95	12.07
	T50XX007	1.37	0.22	2.94	0.72	0.34	0.04	1.05	6.68	1.68	0.22	3.93	0.97	0.43	0.05	1.39	8.67
	T50XX008	1.65	0.26	2.94	0.72	0.40	0.05	1.27	7.29	2.03	0.27	3.93	0.97	0.50	0.06	1.68	9.44
	T50XX009	2.06	0.32	4.08	1.01	0.39	0.05	1.58	9.49	2.54	0.33	5.44	1.34	0.48	0.06	2.09	12.28
	T50XX010	1.88	0.30	2.94	0.72	0.40	0.05	1.45	7.74	2.32	0.30	3.93	0.97	0.53	0.07	1.91	10.03
	T50XX011	2.02	0.32	4.08	1.01	0.47	0.06	1.55	9.51	2.48	0.33	5.44	1.34	0.62	0.08	2.04	12.33
	T50XX012	2.12	0.33	4.08	1.01	0.45	0.06	1.63	9.68	2.61	0.34	5.44	1.34	0.59	0.07	2.15	12.54
	T50XX013	1.70	0.27	0.95	0.20	0.34	0.04	1.31	4.81	2.10	0.28	1.19	0.25	0.43	0.05	1.73	6.03
	T50XX014	1.89	0.30	0.95	0.20	0.40	0.05	1.45	5.24	2.32	0.31	1.19	0.25	0.50	0.06	1.91	6.54
	T50XX015	2.19	0.34	1.65	0.35	0.39	0.05	1.68	6.65	2.70	0.35	2.07	0.44	0.48	0.06	2.22	8.32
	T50XX016	2.05	0.32	1.65	0.35	0.40	0.05	1.57	6.39	2.52	0.33	2.07	0.44	0.53	0.07	2.07	8.03
	T50XX017	2.05	0.32	1.65	0.35	0.47	0.06	1.58	6.48	2.53	0.33	2.07	0.44	0.62	0.08	2.08	8.15
	T50XX018	2.48	0.39	1.65	0.35	0.45	0.06	1.90	7.28	3.05	0.40	2.07	0.44	0.59	0.07	2.51	9.13
	T50XX019	1.96	0.31	1.65	0.35	0.40	0.05	1.51	6.23	2.41	0.32	2.07	0.44	0.50	0.06	1.99	7.79
	T50XX020	2.39	0.37	1.65	0.35	0.47	0.06	1.83	7.12	2.94	0.38	2.07	0.44	0.62	0.08	2.42	8.95
T50XX021	2.16	0.34	1.65	0.35	0.39	0.05	1.66	6.60	2.66	0.35	2.07	0.44	0.48	0.06	2.19	8.25	
T50XX022	3.47	0.66	5.15	1.18	0.47	0.06	2.47	13.46	4.34	0.68	6.87	1.57	0.59	0.07	3.33	17.45	
T50XX023	2.71	0.52	11.10	2.93	0.47	0.06	1.94	19.73	3.39	0.53	14.59	3.85	0.59	0.07	2.60	25.62	

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																
	T50XX024	2.34	0.45	11.10	2.93	0.47	0.06	1.67	19.02	2.93	0.46	14.59	3.85	0.59	0.07	2.25	24.74
	T50XX025	4.55	0.87	4.87	1.11	0.87	0.11	3.24	15.62	5.68	0.89	6.49	1.48	1.13	0.14	4.36	20.17
	T50XX026	4.62	0.88	6.01	1.37	0.79	0.10	3.30	17.07	5.78	0.91	8.01	1.83	0.97	0.12	4.43	22.05
	T50XX027	6.22	1.39	10.96	2.70	0.78	0.10	4.43	26.58	7.47	1.41	13.90	3.42	0.98	0.12	6.13	33.43
	T50XX028	6.15	1.39	9.51	2.34	1.22	0.15	4.39	25.15	7.38	1.41	12.07	2.97	1.56	0.19	6.07	31.65
	T50XX029	5.65	1.28	12.82	3.16	1.22	0.15	4.03	28.31	6.78	1.30	16.27	4.01	1.56	0.19	5.58	35.69
	T50XX030	7.29	1.63	14.47	3.56	1.22	0.15	5.19	33.51	8.75	1.66	18.36	4.52	1.56	0.19	7.19	42.23
T50XX031	6.67	1.50	16.54	4.07	1.15	0.14	4.75	34.82	8.00	1.52	20.99	5.17	1.48	0.18	6.58	43.92	
T55	T55CA002	30.60	10.17	15.68	4.69	11.80	1.47	28.52	102.93	34.00	10.22	20.03	5.99	19.67	2.45	33.43	125.79
	T55CA003	46.16	15.31	20.98	6.27	17.16	2.14	43.02	151.04	51.29	15.39	26.81	8.01	28.61	3.56	50.41	184.08
	T55CA007	22.64	7.47	10.85	3.24	12.95	1.61	21.08	79.84	25.16	7.51	13.87	4.14	21.59	2.69	24.70	99.66
	T55CA008	20.64	4.54	9.06	1.50	6.62	0.82	17.06	60.24	21.90	4.56	10.80	1.79	10.83	1.35	19.24	70.47
	T55CA009	24.18	5.33	9.93	1.65	8.35	1.04	20.00	70.48	25.67	5.36	11.84	1.97	13.68	1.70	22.56	82.78
	T55CA010	20.91	4.61	7.46	1.24	7.71	0.96	17.29	60.18	22.19	4.63	8.89	1.48	12.85	1.60	19.50	71.14
	T55CA011	24.65	5.45	9.06	1.50	9.83	1.22	20.39	72.10	26.15	5.47	10.80	1.79	16.37	2.04	23.00	85.62
	T55CA012	29.17	6.41	9.93	1.65	9.75	1.21	24.11	82.23	30.96	6.44	11.84	1.97	16.25	2.02	27.20	96.68
	T55CA013	29.37	6.52	13.41	2.23	13.34	1.66	24.31	90.84	31.16	6.55	15.99	2.65	22.36	2.78	27.42	108.91
	T55JD001	15.69	3.54	8.26	1.37	9.83	1.22	13.03	52.94	16.65	3.56	9.84	1.63	16.37	2.04	14.70	64.79
	T55JD002	18.26	4.09	8.74	1.45	9.83	1.22	15.14	58.73	19.37	4.11	10.43	1.73	16.37	2.04	17.07	71.12
	T55JD003	24.11	5.42	11.67	1.94	13.65	1.70	20.00	78.49	25.59	5.44	13.92	2.31	22.76	2.83	22.56	95.41
	T55JD004	26.89	6.08	14.28	2.37	17.10	2.13	22.32	91.17	28.53	6.11	17.03	2.83	28.50	3.55	25.18	111.73
	T55KM009	21.17	7.00	11.77	3.52	12.95	1.61	19.72	77.74	23.53	7.04	15.04	4.49	21.59	2.69	23.11	97.49
	T55KM010	30.92	10.26	17.25	5.15	20.74	2.58	28.81	115.71	34.35	10.31	22.04	6.59	34.56	4.30	33.76	145.91
	T55KM011	33.47	11.07	17.25	5.15	20.74	2.58	31.18	121.44	37.19	11.13	22.04	6.59	34.56	4.30	36.53	152.34
	T55KM012	44.03	14.64	26.10	7.80	17.16	2.14	41.05	152.92	48.93	14.71	33.35	9.97	28.61	3.56	48.10	187.23
	T55KM013	72.70	24.31	35.84	10.71	32.20	4.01	67.83	247.60	80.78	24.43	45.80	13.69	53.68	6.68	79.49	304.55
	T55KM014	84.68	28.71	48.24	14.41	48.17	6.00	79.18	309.39	94.09	28.86	61.64	18.42	80.32	10.00	92.79	386.12
	T55KM015	29.36	6.53	13.55	2.25	13.65	1.70	24.31	91.35	31.16	6.56	16.16	2.68	22.76	2.83	27.43	109.58
	T55KM016	33.58	7.50	14.98	2.49	17.10	2.13	27.83	105.61	35.63	7.54	17.86	2.96	28.50	3.55	31.39	127.43
	T55VO002	16.32	3.64	8.74	1.45	7.88	0.98	13.52	52.53	17.32	3.66	10.43	1.73	13.02	1.62	15.25	63.03
	T55VO003	17.95	4.04	8.74	1.45	10.54	1.31	14.90	58.93	19.05	4.06	10.43	1.73	17.58	2.19	16.80	71.84
	T55VO004	27.49	6.07	11.22	1.86	10.72	1.33	22.74	81.43	29.18	6.10	13.38	2.22	17.87	2.22	25.65	96.62
	T55VO005	21.37	4.69	10.31	1.71	5.98	0.74	17.66	62.46	22.68	4.71	12.30	2.04	9.98	1.24	19.92	72.87

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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. T55VO006	30.10	6.70	13.76	2.28	14.14	1.76	24.93	93.67	31.94	6.73	16.41	2.72	23.57	2.93	28.12	112.42
T56	T56CA006	42.99	14.31	26.40	7.90	17.16	2.14	40.09	150.99	47.77	14.38	41.48	11.68	27.59	3.43	46.97	193.30
T57	T57CU001	6.54	1.21	3.36	0.83	0.09	0.01	5.64	17.68								
	T57CU002	8.01	1.48	3.36	0.83	0.09	0.01	6.91	20.69								
	T57CU003	11.88	2.19	5.09	1.25	0.09	0.01	10.24	30.75								
	T57CU004	13.55	2.50	7.83	1.93	0.09	0.01	11.68	37.59								
	T57CU005	14.67	2.70	14.81	3.65	0.09	0.01	12.64	48.57								
T60	T60KI001	13.72	3.11	7.74	2.18	3.17	0.39	10.59	40.90	16.46	3.16	10.32	2.91	4.25	0.53	14.51	52.14
	T60KI002	21.27	4.85	14.59	4.11	6.36	0.79	16.44	68.41	25.52	4.93	19.46	5.48	8.57	1.07	22.53	87.56
	T60KI003	34.63	7.85	19.90	5.60	8.91	1.11	26.73	104.73	41.56	7.97	26.53	7.47	12.01	1.50	36.64	133.68
	T60KI004	6.19	1.68	19.90	5.60	8.91	1.11	4.97	48.36	7.43	1.70	26.53	7.47	12.01	1.50	6.81	63.45
	T60KI006	42.34	9.54	24.32	6.85	9.40	1.17	32.64	126.26	50.80	9.69	32.43	9.13	12.67	1.58	44.73	161.03
	T60SO001	24.81	5.62	14.59	4.11	6.36	0.79	19.15	75.43	29.77	5.71	19.46	5.48	8.57	1.07	26.24	96.30
	T60SO002	34.33	7.81	19.90	5.60	9.59	1.19	26.51	104.93	41.19	7.93	26.53	7.47	12.93	1.61	36.34	134.00
	T60SO003	34.88	7.93	19.90	5.60	9.59	1.19	26.94	106.03	41.85	8.05	26.53	7.47	12.93	1.61	36.92	135.36
	T60SO004	43.28	9.85	24.32	6.85	12.31	1.53	33.44	131.58	51.94	10.01	32.43	9.13	16.57	2.06	45.83	167.97
	T60SO005	44.05	10.02	24.32	6.85	12.31	1.53	34.02	133.10	52.85	10.17	32.43	9.13	16.57	2.06	46.63	169.84
W25	W25AO001	0.47	0.04	0.06	0.52	0.00	0.00	0.56	1.65								
	W25AO002	0.58	0.05	0.06	0.77	0.00	0.00	0.69	2.15								
	W25AO003	0.86	0.07	0.12	0.79	0.00	0.00	1.02	2.86								
	W25AO004	0.83	0.07	0.12	1.04	0.00	0.00	0.98	3.04								
	W25AO005	1.77	0.15	0.25	1.59	0.00	0.00	2.09	5.85								
	W25AO006	1.14	0.10	0.06	0.77	0.00	0.00	1.35	3.42								
	W25CJ001	8.74	1.02	0.91	0.40	0.00	0.00	9.42	20.49								
	W25CJ002	13.54	1.58	1.09	0.48	0.00	0.00	14.59	31.28								
	W25CJ003	23.32	2.73	1.09	0.48	0.00	0.00	25.13	52.75								
	W25KZ001	1.15	0.29	0.00	0.00	0.00	0.00	0.61	2.05								
	W25KZ002	1.27	0.32	0.00	0.00	0.00	0.00	0.68	2.27								
	W25KZ003	1.30	0.32	0.00	0.00	0.00	0.00	0.69	2.31								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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	<i>cont.</i>																
	W25KZ004	1.85	0.46	0.00	0.00	0.00	0.00	0.98	3.29								
	W25KZ005	2.19	0.54	0.00	0.00	0.00	0.00	1.16	3.89								
	W25KZ006	2.23	0.55	0.00	0.00	0.00	0.00	1.18	3.96								
	W25KZ007	2.38	0.59	0.00	0.00	0.00	0.00	1.26	4.23								
	W25NL001	12.11	1.01	12.35	4.35	0.00	0.00	15.65	45.47								
	W25NL002	20.48	1.71	22.00	5.42	0.00	0.00	26.47	76.08								
	W25NL003	13.14	1.10	9.85	2.43	0.00	0.00	16.99	43.51								
	W25NL004	26.62	2.27	2.63	0.65	0.43	0.05	34.52	67.17								
	W25NL005	50.46	4.22	45.96	11.32	0.00	0.00	65.22	177.18								
	W25SD001	0.71	0.06	0.31	0.11	0.00	0.00	0.84	2.03								
	W25SD002	1.71	0.14	0.19	0.07	0.00	0.00	2.03	4.14								
	W25SD003	1.10	0.09	2.01	0.42	0.00	0.00	1.30	4.92								
	W25SD004	2.10	0.18	3.30	0.70	0.04	0.00	2.50	8.82								
	W25SD005	0.96	0.08	1.58	0.33	0.00	0.00	1.14	4.09								
	W25XX005	0.33	0.03	0.72	0.15	0.00	0.00	0.39	1.62								
	W25XX006	0.46	0.04	0.72	0.15	0.00	0.00	0.55	1.92								
	W25XX007	0.62	0.05	1.15	0.24	0.00	0.00	0.74	2.80								
	W25XX008	0.64	0.05	1.58	0.33	0.00	0.00	0.76	3.36								
	W25XX009	1.30	0.11	1.15	0.24	0.00	0.00	1.54	4.34								
W25XX010	1.99	0.17	3.44	0.73	0.00	0.00	2.36	8.69									
W30	W30SO001	2.75	0.62	0.79	0.18	0.23	0.03	1.81	6.41								
	W30SO002	3.29	0.73	0.79	0.18	0.23	0.03	2.17	7.42								
	W30SO003	3.59	0.80	0.79	0.18	0.23	0.03	2.36	7.98								
	W30SO004	1.81	0.39	0.00	0.01	0.00	0.00	0.99	3.20								
	W30SO005	2.02	0.44	0.00	0.01	0.00	0.00	1.10	3.57								
	W30SO006	2.33	0.51	0.00	0.01	0.00	0.00	1.27	4.12								
W35	W35LC010	0.06	0.01	0.29	0.10	0.00	0.00	0.03	0.49								
	W35LC011	0.38	0.04	0.53	0.19	0.00	0.00	0.21	1.35								
	W35LC012	0.38	0.04	0.68	0.24	0.00	0.00	0.21	1.55								
	W35LC013	0.38	0.04	0.80	0.28	0.00	0.00	0.21	1.71								
	W35LC018	0.11	0.01	0.10	0.04	0.00	0.00	0.06	0.32								
	W35LC019	0.31	0.04	0.21	0.07	0.00	0.00	0.16	0.79								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 3		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
W35	cont.																
	W35LC020	0.47	0.06	0.51	0.18	0.00	0.00	0.25	1.47								
	W35XX020	0.19	0.03	1.33	0.28	0.00	0.00	0.17	2.00								
	W35XX021	0.49	0.08	2.05	0.43	0.03	0.00	0.43	3.51								
	W35XX022	0.50	0.08	2.17	0.46	0.03	0.00	0.43	3.67								
	W35XX023	0.83	0.14	5.44	1.15	0.03	0.00	0.72	8.31								
	W35XX024	1.36	0.23	2.64	0.56	0.03	0.00	1.17	5.99								
W35XX025	1.51	0.25	2.31	0.49	0.03	0.00	1.31	5.90									

CHAPTER 3 ADJUSTMENTS TO HOURLY RATES

SECTION I. GENERAL

3.1 Contents

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

3.2 Basis for Equipment Rates

The rates shown in table 2-1 are based on the catalog list price of equipment manufactured in 2000 (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 table 2-1.

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 Table 2-1

There are two methods to obtain an hourly equipment rate. The first method is to use the rates in tables 2-1 and 2-2, and modify them as described in this chapter. The second method is to use the step-by-step rate computation shown in figure 2-1. The equipment rates shown in tables 2-1 and 2-2 may be used instead of a step-by-step rate computation when both of the following conditions are met:

- a. Cost or pricing data is not available.
- b. The contractor's actual unit of equipment is listed in table 2-1 or equivalent in size, capacity, horsepower, and value to the unit of equipment listed in table 2-1.

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 not the current rate, 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:

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

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)	= <u>\$40.00/hr</u>
Total Hourly Rate (Based on a 40 hr/wk)	= \$80.00/hr

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

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

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:

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

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)	= <u>\$40.00/hr</u>
Total Hourly Rate (40 hr/wk)	= \$80.00/hr

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

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

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:

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

Example: Assume that table 2-1 includes a crane (*category C80, subcategory 0.02*) with the below hourly costs. The fuel cost (diesel off-road) of \$1.34/gal from appendix B has increased to \$1.80/gal (increase of 34.30 percent). The total hourly rate for this piece of equipment can be determined as follows:

Assumptions for Fuel Cost (based on \$1.34/gal from appendix B):

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

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

$$(\$30.00/\text{hr} + \$10.00/\text{hr}) + \$30.00/\text{hr} + \left[\frac{(\$1.80/\text{gal})}{(\$1.34/\text{gal})} \times \$10.00/\text{hr} \right] = \$83.43/\text{hr}$$

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

The hourly FOG allowance shall also be adjusted 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 2000) 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 2000 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 1994, the total hourly rate is determined as follows:

Table 2-1 Rate and Adjustment Calculation:

Total hourly rate	= \$65.00/hr
Ownership rate 2000 (DEPR + FCCM)	= -(\$30.00)/hr
Ownership rate 1994 adjusted for age (Ownership rate = \$30) x (0.89 the age adjustment factor from table 3-1, for category C80, subcategory 0.02, and for the year 1994.)	<u>= +\$26.70/hr</u>
Total hourly rate for equipment manufactured in 1994	= \$61.70/hr

b. When the unit of equipment is older than the age of equipment listed in table 2-1 (purchased new in 2000) 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 2000), 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 2000). 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 2000, 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 1974 (maximum life 1989), 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 2000 (DEPR + FCCM)	=	-(30.00)/hr
Ownership rate 1974 adjusted for age (Ownership rate = \$30.00) x (0.88 use the oldest age adjustment factor from table 3-1 , for category C80, subcategory 0.02, the last year shown.)	=	<u>+\$26.40/hr</u>
Total hourly rate for equipment manufactured in 1994	=	\$61.40/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 2000), 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.

$$\text{Hourly Standby Rate Adjusted for Actual Age} = \text{Hourly Standby Rate} \times \text{Age Adjustment Factor}$$

Example: Assume that table 2-1 includes a crane (*category C80, subcategory 0.02*) manufactured in 2000 and has a standby rate of \$18.31 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)	=	\$18.31/hr
Age Adjustment Factor (table 3-2) for category C80, subcategory 0.02, and for 1994 (actual year of manufacture)	=	0.89

Adjustment Calculation:

Hourly Standby Rate Adjusted for Actual Age	= \$18.31/hr
(Hourly Standby Rate) x 0.89 (Age Adjustment Factor)	= \$16.30/hr

b. When the unit of equipment is newer than the equipment listed in table 2-1 (purchased new in 2000), 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 2000).

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 3 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	
		2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	
A10	0.00	AGGREGATE / CHIP SPREADERS																		
A10	0.10	SELF-PROPELLED	1.05	1.02	1.02	1.00	0.97	0.96												
A10	0.20	TOWED & TAILGATE	1.05	1.02	1.02	1.00														
A15	0.00	AIR COMPRESSORS, PORTABLE																		
A15	0.10	ROTARY SCREW	1.03	1.01	1.02	1.00	1.00	1.00	1.00											
A15	0.20	SHOP TYPE	1.03	1.01	1.02	1.00	1.00	1.00	1.00	1.00										
A20	0.00	AIR HOSE, TOOLS & EQUIPMENT																		
A20	0.10	AIR DRILL HOSE	1.02	1.01	1.02	1.00														
A20	0.20	SANDBLAST HOSE	1.02	1.01	1.02	1.00														
A20	0.30	SANDBLASTERS, BREAKERS, & MISC. AIR TOOLS	1.02	1.01	1.02	1.00														
A25	0.00	ASPHALT PAVING DISTRIBUTORS	1.05	1.02	1.01	1.00														
A30	0.00	ASPHALT PAVERS & MISCELLANEOUS ROAD EQUIPMENT																		
A30	0.10	SELF PROPELLED	1.05	1.02	1.02	1.00	0.98	0.96												
A30	0.20	TOWED	1.05	1.02	1.02	1.00	0.97	0.96	0.93											
A30	0.30	SLURRY SEAL PAVERS (Cold mix)	1.05	1.02	1.02	1.00	0.97	0.96	0.93	0.89										
A30	0.40	MISCELLANEOUS ROAD EQUIPMENT	1.05	1.02	1.02	1.00	0.97	0.96	0.93											
A35	0.00	ASPHALT PAVING KETTLES	1.05	1.02	1.02	1.00														
A40	0.00	ASPHALT & CONCRETE MILLERS / PROFILERS / PLANERS	1.05	1.02	1.02	1.00														
A45	0.00	ASPHALT RECYCLERS & SEALERS	1.05	1.02	1.02	1.00														
B10	0.00	BATCH PLANTS, ASPHALT & CONCRETE																		
B10	0.10	ASPHALT	1.05	1.02	1.02	1.00	0.97	0.96												
B10	0.20	CONCRETE	1.05	1.02	1.02	1.00	0.97	0.96												
B10	0.30	PUGMILL	1.05	1.02	1.02	1.00	0.97	0.96	0.93											
B15	0.00	BROOMS, STREET SWEEPERS & FLUSHERS	1.04	1.02	1.00	1.00	0.99	0.97												
B20	0.00	BRUSH CHIPPERS	1.04	1.02	1.00	1.00	0.99	0.97												
B25	0.00	BUCKETS, CLAMSHELL	1.09	1.06	1.00	1.00	1.00	1.00												
B30	0.00	BUCKETS, CONCRETE																		

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY SUB	REGION 3 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
		2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
B30 0.10	GENERAL PURPOSE, MANUAL TRIP	1.08	1.05	1.00	1.00	1.00	1.00												
B30 0.20	LAYDOWN	1.08	1.05	1.00	1.00	1.00	1.00												
B30 0.30	LOWBOY	1.08	1.05	1.00	1.00	1.00	1.00												
B30 0.40	LOW SLUMP	1.08	1.05	1.00	1.00	1.00	1.00												
B35 0.00	BUCKETS, DRAGLINE																		
B35 0.10	LIGHT WEIGHT	1.09	1.06	1.00	1.00	1.00	1.00												
B35 0.20	MEDIUM WEIGHT	1.09	1.06	1.00	1.00	1.00	1.00												
B35 0.30	HEAVY WEIGHT	1.09	1.06	1.00	1.00	1.00	1.00	1.00											
C05 0.00	CHAIN SAWS	1.04	1.02		1.00														
C10 0.00	COMPACTORS, WALK-BEHIND OR REMOTE CONTROLLER																		
C10 0.10	COMPACTORS, RAMMERS / TAMPERS & VIBRATORY PLATES	1.04	1.02	1.00	1.00														
C10 0.20	ROLLERS, VIBRATORY	1.04	1.02	1.00	1.00														
C15 0.00	CONCRETE CLEANERS / BLASTERS	1.05	1.02	1.00	1.00														
C20 0.00	CONCRETE BUGGIES	1.05	1.02	1.00	1.00														
C25 0.00	CONCRETE FINISHERS/SCREEDS/SPREADERS																		
C25 0.10	FINISHERS/TROWELS	1.05	1.02	1.00	1.00														
C25 0.20	VIBRATORY SCREED	1.05	1.02	1.00	1.00														
C25 0.25	VIBRATORY LASER SCREED	1.05	1.02	1.00	1.00	0.99	0.97												
C25 0.30	MATERIAL/TOPPING SPREADERS	1.05	1.02	1.00	1.00	0.99	0.97												
C30 0.00	CONCRETE GRINDERS	1.05	1.02	1.00	1.00														
C35 0.00	CONCRETE GUNITERS / SHOTCRETERS	1.05	1.02	1.00	1.00	0.99													
C40 0.00	CONCRETE MIXING UNITS	1.05	1.02	1.00	1.00														
C45 0.00	CONCRETE PAVING MACHINES	1.05	1.02	1.02	1.00														
C55 0.00	CONCRETE PUMPS	1.04	1.02	1.00	1.00	0.99	0.97												
C60 0.00	CONCRETE SAWS (Add cost for sawblade wear)	1.04	1.02	1.00	1.00														
C65 0.00	CONCRETE VIBRATORS	1.02	1.01	1.02	1.00														
C70 0.00	CRANES, GANTRY & STRADDLE																		

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY SUB	REGION 3 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
		2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
C75 0.00	CRANES, HYDRAULIC, SELF-PROPELLED	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89								
C80 0.00	CRANES, HYDRAULIC, TRUCK MOUNTED																		
C80 0.01	UNDER 26 TON	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89								
C80 0.02	26 TON THRU 65 TON	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88							
C80 0.03	66 TON THRU 125 TON	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84						
C80 0.04	OVER 125 TON	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84	0.79	0.76				
C85 0.00	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER MOUNTED																		
C85 0.11	DRAGLINE, CLAMSHELL, 0 THRU 1.0 CY	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.93	0.90	0.88								
C85 0.12	DRAGLINE, CLAMSHELL, OVER 1.0 CY THRU 2.5 CY	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.93	0.90	0.88	0.87							
C85 0.13	DRAGLINE, CLAMSHELL, OVER 2.5 CY THRU 5.0 CY	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.93	0.90	0.88	0.87	0.83						
C85 0.14	DRAGLINE, CLAMSHELL, OVER 5.0 CY	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.93	0.91	0.88	0.87	0.83	0.78	0.75				
C85 0.21	LIFTING, 0 THRU 25 TON	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.93	0.90	0.88	0.87							
C85 0.22	LIFTING, 26 TON THRU 50 TON	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.93	0.90	0.88	0.87	0.83						
C85 0.23	LIFTING, 51 TON THRU 150 TON	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84	0.79	0.76				
C85 0.24	LIFTING, OVER 150 TON	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84	0.79	0.76	0.72			
C90 0.00	CRANES, MECHANICAL, LATTICE BOOM, TRUCK MOUNTED																		
C90 0.01	UNDER 26 TON	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89								
C90 0.02	26 TON THRU 65 TON	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88							
C90 0.03	66 TON THRU 125 TON	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.93	0.90	0.88	0.87	0.83						
C90 0.04	OVER 125 TON	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.93	0.91	0.88	0.87	0.83	0.78	0.75				
C95 0.00	CRANES, TOWER	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.93	0.90	0.88	0.87	0.83						
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)	1.15	1.13	1.03	1.00	0.98	0.96	0.94	0.93	0.88	0.86								
D10 0.20	HYDRAULIC TRACK (Add cost for drill steel and bit wear)	1.15	1.13	1.03	1.00	0.98	0.96	0.94											
D15 0.00	DRILLS, HORIZONTAL BORING & GROUND PIERCING (Add cost for drill steel and bit wear)	1.15	1.13	1.03	1.00	0.98	0.96	0.94											
D20 0.00	DRILLS, CORE, COLUMN MOUNTED (Add cost for drill steel and bit wear)	1.15	1.13	1.03	1.00	0.98	0.96												
D25 0.00	DRILLS, CORE, SKID MOUNTED (Add cost for drill steel and bit wear)	1.15	1.13	1.03	1.00	0.98	0.96	0.94											

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY SUB	REGION 3 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
		2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
D30	0.00	DRILLS, EARTH / AUGER (Add cost for drill steel and cutting edge wear)																	
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)																	
D35	0.12	DIESEL, OVER 9.875" DIAMETER (Add cost for drill steel and bit wear)																	
D35	0.21	ELECTRIC, 4.5" THRU 9.875" DIAMETER HOLE (Add cost for drill steel and bit wear)																	
D35	0.22	ELECTRIC, OVER 9.875" DIAMETER (Add cost for drill steel and bit wear)																	
F10	0.00	FORK LIFTS																	
G10	0.00	GENERATOR SETS																	
G10	0.10	PORTABLE																	
G10	0.20	SKID MOUNTED																	
G15	0.00	GRADERS, MOTOR																	
H10	0.00	HAMMERS, HYDRAULIC (Demolition tool) (Add cost for point wear)																	
H13	0.00	HAZARDOUS/TOXIC WASTE EQUIPMENT																	
H13	0.11	COMPACTORS (Compression force) 0 THRU 50 TONS																	
H13	0.12	COMPACTORS (Compression force) OVER 50 TONS																	
H13	0.21	FILTER PRESSES, STATIONARY																	
H13	0.22	FILTER PRESSES, MOBILE																	
H13	0.30	CENTRIFUGES																	
H13	0.40	SHREDDERS																	
H13	0.51	SOIL TREATMENT PLANT, MOBILE																	
H13	0.61	SLUDGE PROCESSING EQUIP, SLUDGE DISPENSERS																	
H13	0.71	WASTE HANDLING EQUIPMENT, DRUM HANDLING																	
H15	0.00	HEATERS, SPACE																	
H20	0.00	HOISTS & AIR WINCHES																	
H25	0.00	HYDRAULIC EXCAVATORS, CRAWLER MOUNTED																	
H25	0.10	0 LBS THRU 12,500 LBS (COMPACT EXCAVATORS)																	
H25	0.11	OVER 12,500 LBS THRU 40,000 LBS																	

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY SUB	REGION 3 TYPE OF EQUIPMENT	Year Purchased New																	
		Life in Years																	
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
H25 0.12	OVER 40,000 LBS THRU 100,000 LBS	1.10	1.07	1.00	1.00	0.99	0.98	0.95	0.93										
H25 0.13	OVER 100,000 LBS THRU 160,000 LBS	1.10	1.06	1.00	1.00	1.00	0.98	0.95	0.93	0.90	0.88	0.87							
H25 0.14	OVER 160,000 LBS	1.10	1.06	1.00	1.00	1.00	0.98	0.96	0.93	0.90	0.88	0.87	0.82	0.77					
H25 0.21	ATTACHMENTS, MOBILE SHEARS	1.04	1.02	1.00	1.00														
H25 0.22	ATTACHMENTS, MATERIAL HANDLING	1.05	1.02	1.00	1.00														
H25 0.23	ATTACHMENTS, CONCRETE PULVERIZERS	1.04	1.02	1.00	1.00														
H25 0.24	ATTACHMENTS, COMPACTORS	1.04	1.02	1.00	1.00														
H30 0.00	HYDRAULIC EXCAVATORS, WHEEL MOUNTED																		
H30 0.01	0 THRU 1.0 CY	1.10	1.07	1.00	1.00	0.99	0.98												
H30 0.02	OVER 1.0 CY	1.10	1.07	1.00	1.00	0.99	0.98	0.95											
H35 0.00	HYDRAULIC SHOVELS, CRAWLER MOUNTED																		
H35 0.11	DIESEL, 0 CY THRU 5.0 CY	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.93	0.90	0.88								
H35 0.12	DIESEL, OVER 5.0 CY	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.93	0.90	0.88	0.87							
H35 0.21	ELECTRIC, OVER 2.5 CY	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.93	0.90	0.88	0.87	0.83						
L10 0.00	LAND CLEARING EQUIPMENT	1.04	1.01	1.01	1.00	0.99	0.95	0.93											
L15 0.00	LANDSCAPING EQUIPMENT	1.04	1.02	1.00	1.00														
L20 0.00	LIGHTING SETS, TRAILER MOUNTED																		
L20 0.10	METALLIC VAPOR	1.05	1.02	1.00	1.00	0.99	0.97												
L25 0.00	LINE STRIPING EQUIPMENT	1.05	1.02	1.00	1.00	0.99	0.97												
L30 0.00	LOADERS, BELT (Conveyor belts) & ACCESSORIES	1.05	1.02	1.00	1.00	0.99	0.97	0.95											
L35 0.00	LOADERS, FRONT END, CRAWLER TYPE	1.04	1.01	1.01	1.00	0.99	0.95	0.93											
L40 0.00	LOADERS, FRONT END, WHEEL TYPE																		
L40 0.11	ARTICULATED, 0 THRU 225 HP	1.04	1.01	1.01	1.00	0.99	0.96	0.94											
L40 0.12	ARTICULATED, OVER 225 HP	1.04	1.01	1.01	1.00	0.99	0.97	0.94	0.93	0.90									
L40 0.20	SKID STEER	1.04	1.01	1.01	1.00	0.99	0.97												
L40 0.21	SKID STEER ATTACHMENTS	1.04	1.01	1.01	1.00														
L40 0.31	TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP	1.04	1.01	1.01	1.00	0.99	0.96	0.94											

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY SUB	REGION 3 TYPE OF EQUIPMENT	Year Purchased New																		
		Life in Years																		
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
		2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	
L40	0.32	TOOL CARRIER & TELESCOPIC HANDLERS, OVER 225 HP	1.04	1.01	1.00	1.00	0.99	0.97	0.95	0.94										
L45	0.00	LOADERS / BACKHOE, CRAWLER TYPE	1.04	1.01	1.01	1.00	0.99	0.95												
L50	0.00	LOADERS / BACKHOE, WHEEL TYPE	1.04	1.01	1.01	1.00	0.99	0.96	0.94											
L55	0.00	LOADER / BACKHOE, ATTACHMENTS	1.05	1.02	1.00	1.00														
L60	0.00	LOG SKIDDERS	1.06	1.04	1.02	1.00	0.98	0.95	0.93											
M10	0.00	MARINE EQUIPMENT (NON DREDGING)																		
M10	0.11	AQUATIC MAINTENANCE	1.08	1.04	1.03	1.00	0.98	0.97	0.96											
M10	0.12	AQUATIC MAINTENANCE ATTACHMENTS	1.08	1.04	1.03	1.00														
M10	0.21	HYDRAULIC CUTTERHEAD DREDGE, 8" OR LESS, TRANSPORTABLE	1.07	1.04	1.02	1.00	0.98	0.97	0.96	0.92	0.88	0.87	0.85							
M10	0.22	HYDRAULIC CUTTERHEAD DREDGE, 8" - 12", TRANSPORTABLE	1.07	1.04	1.02	1.00	0.98	0.97	0.96	0.92	0.88	0.87	0.85							
M10	0.23	HYDRAULIC AUGERHEAD DREDGE, 12" OR LESS, TRANSPORTABLE	1.07	1.04	1.02	1.00	0.98	0.97	0.96	0.92	0.88	0.87	0.85							
M10	0.24	HYDRAULIC FLOATING PUMPS, 12" OR LESS, TRANSPORTABLE	1.07	1.04	1.02	1.00	0.98	0.97												
M10	0.25	HYDRUALIC DREDGE PUMPS, 12" OR LESS, TRANSPORTABLE	1.08	1.04	1.03	1.00														
M10	0.26	HYDRAULIC DREDGE / PUMP ATTACHMENTS	1.08	1.04	1.03	1.00														
M10	0.31	SMALL MECH DREDGES, CLAMSHELL, BARGE-MTD TO 5 CY	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84	0.79	0.76				
M10	0.32	SMALL MECH DREDGES, AMPHIBIOUS EXCAVATORS	1.09	1.06	1.00	1.00	1.00	0.98	0.96											
M10	0.33	SMALL MECH DREDGES, HOE-MOUNTED DREDGING ATTACH	1.07	1.04	1.02	1.00	0.98	0.97	0.96	0.92	0.88	0.86	0.85	0.81	0.76	0.73				
M10	0.41	WORK FLOATS (NON-DREDGING)	1.07	1.04	1.02	1.00														
M10	0.42	WORK BARGES (SECTIONAL, NON-DREDGING)	1.07	1.04	1.02	1.00	0.98	0.98	0.96	0.92	0.89	0.87	0.86	0.82	0.77	0.74	0.71	0.68	0.67	0.67
M10	0.45	FLAT-DECK OR CARGO BARGE (NON-DREDGING)	1.07	1.03	1.02	1.00	0.98	0.98	0.96	0.93	0.89	0.88	0.86	0.83	0.79	0.76	0.72	0.69	0.69	0.68
M10	0.46	DUMP SCOW (NON-DREDGING)	1.07	1.03	1.02	1.00	0.98	0.98	0.96	0.93	0.89	0.88	0.86	0.83	0.79	0.76	0.72	0.69	0.69	0.68
M10	0.47	DRILL BARGE (NON-DREDGING)	1.07	1.04	1.02	1.00	0.98	0.98	0.96	0.93	0.89	0.87	0.86	0.82	0.78	0.75	0.72	0.69	0.68	0.68
M10	0.48	ALL OTHER BARGES (NON-DREDGING)	1.07	1.04	1.02	1.00	0.98	0.98	0.96	0.93	0.89	0.87	0.86	0.82	0.78	0.75	0.72	0.69	0.68	0.68
M10	0.51	BOATS & LAUNCHES, 0 THRU 250 HP	1.08	1.04	1.03	1.00	0.98	0.97	0.96	0.92	0.88	0.86	0.85							
M10	0.53	BOATS & LAUNCHES, 251 THRU 500 HP	1.08	1.04	1.03	1.00	0.98	0.97	0.96	0.92	0.88	0.86	0.85	0.81						
M10	0.54	TUGS, 501 THRU 1,000 HP	1.07	1.04	1.02	1.00	0.98	0.98	0.96	0.92	0.88	0.87	0.86	0.82	0.77	0.74	0.71	0.67	0.67	0.66
M10	0.55	TUGS, 1,000 THRU 2,000 HP	1.07	1.04	1.02	1.00	0.98	0.98	0.96	0.93	0.89	0.87	0.86	0.82	0.78	0.75	0.71	0.68	0.68	0.67

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY SUB	REGION 3 TYPE OF EQUIPMENT	Year Purchased New																	
		Life in Years																	
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
P10	0.00	PILE HAMMER ACCESSORIES - EXTRACTORS & BOX LEADS	1.06	1.02	1.00	1.00													
P20	0.00	PILE HAMMERS, DOUBLE ACTING																	
P20	0.10	DIESEL	1.05	1.02	1.00	1.00													
P20	0.20	PNUEMATIC (STEAM/AIR)	1.05	1.02	1.00	1.00													
P25	0.00	PILE HAMMERS, SINGLE ACTING																	
P25	0.10	DIESEL	1.05	1.02	1.00	1.00													
P25	0.20	PNUEMATIC (STEAM/AIR)	1.04	1.02	1.00	1.00													
P30	0.00	PILE HAMMERS, DRIVER/ EXTRACTOR, VIBRATORY	1.05	1.02	1.00	1.00													
P35	0.00	PIPELAYERS	1.04	1.01	1.01	1.00	0.99	0.95	0.93	0.92	0.88	0.85							
P40	0.00	PLATFORMS & MAN-LIFTS	1.09	1.06	1.00	1.00	1.00	0.98											
P45	0.00	PUMPS, GROUT	1.04	1.02	1.00	1.00	0.99	0.97											
P50	0.00	PUMPS, WATER, CENTRIFUGAL, TRASH																	
P50	0.11	ENGINE DRIVE	1.05	1.02	1.00	1.00	0.99	0.97											
P50	0.12	ELECTRIC DRIVE	1.05	1.02	1.00	1.00	0.99	0.97											
P50	0.21	WHEEL MOUNTED, ENGINE DRIVE	1.05	1.02	1.00	1.00	0.99	0.97											
P50	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	1.05	1.02	1.00	1.00	0.99	0.97											
P50	0.31	HOSES, PUMP, SUCTION & DISCHARGE	1.04	1.02	1.00	1.00													
P55	0.00	PUMPS, WATER, SUBMERSIBLE																	
P55	0.01	ENGINE DRIVE	1.05	1.02	1.00	1.00	0.99	0.97											
P55	0.02	ELECTRIC DRIVE	1.04	1.02	1.00	1.00	0.99	0.97											
P60	0.00	PUMPS, WATER, CENTRIFUGAL, DEWATERING																	
P60	0.11	SKID MOUNTED, ENGINE DRIVE	1.05	1.02	1.00	1.00	0.99	0.97											
P60	0.12	SKID MOUNTED, ELECTRIC DRIVE	1.04	1.02	1.00	1.00	0.99	0.97											
P60	0.21	WHEEL MOUNTED, ENGINE DRIVE	1.05	1.02	1.00	1.00	0.99	0.97											
P60	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	1.04	1.02	1.00	1.00	0.99	0.97											
P65	0.00	PUMPS, WATER, DIAPHRAGM																	
P65	0.11	SKID MOUNTED, ENGINE DRIVE	1.05	1.02	1.00	1.00	0.99	0.97											

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY SUB	REGION 3 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
		2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
P65	0.12	SKID MOUNTED, ELECTRIC DRIVE	1.04	1.02	1.00	1.00	0.99	0.97											
P65	0.21	WHEEL MOUNTED, ENGINE DRIVE	1.05	1.02	1.00	1.00	0.99	0.97											
P65	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	1.04	1.02	1.00	1.00	0.99	0.97											
P70	0.00	PUMPS, WATER (For core drills)																	
P70	0.01	ENGINE DRIVE	1.05	1.02	1.00	1.00	0.99	0.97											
P70	0.02	ELECTRIC DRIVE	1.05	1.02	1.00	1.00	0.99	0.97											
R10	0.00	RIPPERS & HYDRAULIC BANK SLOPERS (Add cost for point wear)	1.04	1.01	1.01	1.00	0.99	0.95											
R15	0.00	ROLLERS, STATIC, TOWED, PNEUMATIC	1.06	1.04	1.02	1.00	1.00	0.99	0.97										
R20	0.00	ROLLERS, STATIC, TOWED, STEEL DRUM	1.06	1.04	1.02	1.00	1.00	0.99	0.97										
R30	0.00	ROLLERS, STATIC, SELF-PROPELLED																	
R30	0.01	PNEUMATIC	1.06	1.04	1.02	1.00	1.00	0.99											
R30	0.02	SMOOTH DRUM	1.06	1.04	1.02	1.00	1.00	0.99	0.97										
R30	0.03	TAMPING FOOT, LANDFILL & SOIL COMPACTORS	1.06	1.04	1.02	1.00	1.00	0.99	0.97	0.96									
R40	0.00	ROLLERS, VIBRATORY, TOWED	1.06	1.04	1.02	1.00	1.00	0.99											
R45	0.00	ROLLERS, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM	1.06	1.04	1.02	1.00	1.00	0.99											
R50	0.00	ROLLERS, VIBRATORY, SELF-PROPELLED, SINGLE DRUM	1.07	1.04	1.02	1.00	1.00	0.99											
R55	0.00	ROOFING EQUIPMENT	1.04	1.02	1.00	1.00													
S10	0.00	SCRAPERS, ELEVATING																	
S10	0.01	0 THRU 200 HP	1.04	1.02	1.01	1.00	0.98	0.95	0.92										
S10	0.02	OVER 200 HP	1.05	1.02	1.01	1.00	0.98	0.94	0.91	0.90	0.84								
S15	0.00	SCRAPERS, CONVENTIONAL	1.04	1.02	1.01	1.00	0.98	0.95	0.92	0.90	0.85	0.83							
S20	0.00	SCRAPERS, TANDEM POWERED	1.04	1.02	1.01	1.00	0.98	0.95	0.92	0.90	0.85	0.83							
S25	0.00	SCRAPERS, TRACTOR DRAWN	1.04	1.02	1.01	1.00	0.98	0.95	0.92	0.90									
S30	0.00	SCREENING & CRUSHING PLANTS																	
S30	0.10	CONVEYORS	1.04	1.02	1.00	1.00	0.99	0.97	0.95										
S30	0.20	CRUSHERS - VERTICAL & HORIZONTAL SHAFT IMPACTOR	1.04	1.02	1.00	1.00	0.99	0.98	0.95	0.94	0.91	0.89	0.88	0.86	0.83	0.81	0.77	0.74	0.72
S30	0.21	CRUSHERS - CONE	1.04	1.02	1.00	1.00	0.99	0.98	0.95	0.94	0.91	0.89	0.88	0.86	0.83	0.81	0.77	0.74	0.72

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY SUB	REGION 3 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
		2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
S30	0.22	CRUSHERS - JAW	1.04	1.02	1.00	1.00	0.99	0.98	0.95	0.94	0.91	0.89	0.88	0.86	0.83	0.81	0.77	0.74	0.72
S30	0.30	SCREENING PLANT	1.04	1.02	1.00	1.00	0.99	0.97	0.95										
S35	0.00	SNOW REMOVAL EQUIPMENT	1.05	1.02	1.00	1.00	0.99	0.97											
S40	0.00	SOIL & ROAD STABILIZERS	1.04	1.02	1.01	1.00	0.98	0.95	0.92										
S45	0.00	SPLITTERS, ROCK & CONCRETE	1.05	1.02	1.00	1.00													
T10	0.00	TRACTOR BLADES & ATTACHMENTS	1.04	1.01	1.01	1.00	0.99	0.95	0.93										
T15	0.00	TRACTORS, CRAWLER (DOZER) (includes blade)																	
T15	0.01	0 THRU 225 HP	1.04	1.01	1.01	1.00	0.98	0.95	0.92										
T15	0.02	226 HP THRU 425 HP	1.04	1.01	1.01	1.00	0.99	0.95	0.93	0.91	0.88								
T15	0.03	OVER 425 HP	1.04	1.01	1.01	1.00	0.99	0.95	0.93	0.92	0.88	0.85							
T20	0.00	TRACTORS, WHEEL TYPE (DOZER)	1.06	1.03	1.02	1.00	0.98	0.95	0.93	0.92	0.91	0.90							
T25	0.00	TRACTORS, AGRICULTURAL																	
T25	0.10	CRAWLER	1.06	1.04	1.02	1.00	0.98	0.95	0.93										
T25	0.20	WHEEL	1.06	1.04	1.02	1.00	0.98	0.95											
T30	0.00	TRENCHERS, CHAIN TYPE CUTTER	1.06	1.04	1.02	1.00	0.98	0.94											
T35	0.00	TRENCHERS, WHEEL TYPE CUTTER	1.06	1.04	1.02	1.00	0.98	0.94											
T40	0.00	TRUCK OPTIONS																	
T40	0.10	CRANES / HOISTS, PERSONNEL & MATERIAL HANDLING	1.05	1.02	1.00	1.00	0.99	0.97											
T40	0.20	DUMP BODY, REAR	1.04	1.02	1.00	1.00	0.99	0.97											
T40	0.30	FLATBEDS, WITH SIDES	1.05	1.02	1.00	1.00	0.99	0.97											
T40	0.41	HOIST, ELECTRIC DRIVE	1.05	1.02	1.00	1.00	0.99	0.97											
T40	0.50	TRANSIT MIXERS	1.04	1.02	1.00	1.00	0.99	0.97											
T40	0.60	WATER TANKS	1.05	1.02	1.00	1.00	0.99	0.97											
T40	0.70	ALL OTHER OPTIONS	1.05	1.02	1.00	1.00	0.99	0.97											
T45	0.00	TRUCK TRAILERS																	
T45	0.10	BOTTOM DUMP	1.04	1.02	1.00	1.00	0.99	0.97	0.95										
T45	0.20	END DUMP	1.04	1.02	1.00	1.00	0.99	0.97	0.95										

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY SUB	REGION 3 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
		2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
T45 0.30	PUP TRAILER	1.04	1.02	1.00	1.00	0.99	0.97												
T45 0.41	LOWBOY, RIGID NECK, DROP DECK	1.04	1.02	1.00	1.00	0.99	0.97	0.95											
T45 0.50	FLATBED TRAILER	1.04	1.02	1.00	1.00	0.99	0.97	0.95											
T45 0.60	MISCELLANEOUS / UTILITY	1.04	1.02	1.00	1.00	0.99	0.97	0.95											
T45 0.70	WATER TANKER TRAILER	1.05	1.02	1.00	1.00	0.99	0.97	0.95											
T45 0.80	DECONTAMINATION FACILITY	1.05	1.02	1.00	1.00	0.99	0.97												
T45 0.90	TANK TRAILERS	1.05	1.02	1.00	1.00	0.99	0.97	0.95											
T50 0.00	TRUCKS, HIGHWAY (Add attachments as required)																		
T50 0.01	0 THRU 10,000 GVW	1.06	1.03	1.00	1.00	1.00	1.00												
T50 0.02	OVER 10,000 THRU 30,000 GVW (Chassis only - Add options)	1.06	1.03	1.00	1.00	1.00	1.00	1.00											
T50 0.03	OVER 30,000 GVW (Chassis only - Add options)	1.06	1.03	1.00	1.00	1.00	1.00	1.00	1.00										
T55 0.00	TRUCKS, OFF-HIGHWAY																		
T55 0.10	RIGID FRAME	1.06	1.04	1.02	1.00	0.98	0.97	0.95	0.93	0.89	0.84	0.81	0.80	0.79	0.77				
T55 0.20	ARTICULATED FRAME	1.06	1.04	1.02	1.00	0.98	0.97	0.95	0.92	0.89									
T56 0.00	TRUCKS, OFF-HIGHWAY/PRIME MOVER TRACTORS & WAGONS																		
T56 0.10	PRIME MOVER TRACTORS	1.06	1.04	1.02	1.00	0.98	0.97	0.95	0.93	0.89	0.84	0.81	0.80	0.79	0.77				
T56 0.20	WAGONS, BOTTOM DUMP	1.06	1.04	1.02	1.00	0.98	0.96	0.95	0.92	0.89	0.83								
T56 0.30	WAGONS, REAR DUMP	1.06	1.04	1.02	1.00	0.98	0.96	0.95	0.92										
T57 0.00	TRUCKS, VACUUM	1.05	1.02	1.00	1.00	0.99	0.97	0.95											
T60 0.00	TRUCKS, WATER, OFF-HIGHWAY	1.06	1.04	1.02	1.00	0.98	0.96	0.95	0.92										
T65 0.00	TUNNEL/MINING EQUIPMENT																		
T65 0.10	DRIFTING & TUNNELING DRILLS	1.13	1.12	1.03	1.00	0.98	0.97	0.95	0.93	0.90	0.87								
T65 0.20	TUNNEL BORING MACHINES	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.91	0.89	0.87	0.85						
T65 0.30	PRODUCTION DRILLING RIGS	1.13	1.12	1.03	1.00	0.98	0.97	0.95	0.93										
T65 0.40	ROADHEADERS & CONTINUOUS MINERS	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.91	0.89	0.87							
T65 0.50	ROCK BOLTING EQUIPMENT	1.05	1.02	1.00	1.00	0.99	0.97	0.95											
T65 0.61	LOADING & HAULING EQUIPMENT, DIESEL OR GAS	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93										

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY SUB	REGION 3 TYPE OF EQUIPMENT	Year Purchased New																	
		Life in Years																	
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
T65 0.62	LOADING & HAULING EQUIPMENT, ELECTRIC	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88								
T65 0.63	LOADING & HAULING EQUIPMENT, AIR-POWERED	1.05	1.02	1.00	1.00	0.99	0.97	0.95											
T65 0.70	LOCOMOTIVES	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93										
T65 0.90	OTHER TUNNELING EQUIPMENT	1.05	1.02	1.00	1.00	0.99	0.97	0.95											
W10 0.00	WAGONS, BOTTOM DUMP	1.06	1.04	1.02	1.00	0.98	0.97	0.95	0.92										
W15 0.00	WAGONS, REAR DUMP	1.06	1.04	1.02	1.00	0.98	0.97	0.95	0.92										
W25 0.00	WATER & CO2 BLASTERS																		
W25 0.10	LOW PRESSURE, (< 5,000 PSI)	1.05	1.02	1.00	1.00														
W25 0.20	HIGH PRESSURE, (>= 5,000 PSI)	1.05	1.02	1.00	1.00														
W25 0.30	STEAM CLEANERS	1.05	1.02	1.00	1.00														
W25 0.40	CO2 BLASTERS	1.05	1.02	1.00	1.00														
W25 0.50	WET ABRASIVE BLASTING SYSTEM (TORBO)	1.05	1.02	1.00	1.00	0.99	0.97	0.94											
W30 0.00	WATER TANKS																		
W30 0.10	PORTABLE WITH WHEELS	1.06	1.04	1.02	1.00	0.98	0.96	0.95	0.92										
W30 0.20	SKID MOUNTED	1.06	1.04	1.02	1.00	0.98	0.96	0.95	0.92										
W35 0.00	WELDERS																		
W35 0.10	ENGINE DRIVEN	1.05	1.02	1.00	1.00	0.99	0.97												
W35 0.20	ELECTRIC DRIVEN	1.05	1.02	1.00	1.00														

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. Clark front-end wheel loader
 - b. Model 125C, 4WD, 4 CY capacity
 - c. Serial number indicates year of manufacture = 1986
 - d. Actual purchase price in 1986 = \$168,280
(includes all regional discounts, sales tax and freight)
 - e. Horsepower is 203 hp (fuel is Diesel off-road)
 - f. Drive tire (DT) size = 23.50 x 25, 16 ply, L-3
DT cost (2003) = 4 tires x \$1,769.00 = \$7,076.00
 - g. Weight = 42,200 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 = 1997
5. Adjust the actual purchase price:
 - a. Economic Indexes from appendix E (wheel loaders EK = 45)
 - (1) For 1997 (first year of economic life), the economic index = 5303
 - (2) For 1986 (year of manufacture), the economic index = 3991
 - b. Purchase price [total equipment value (TEV)] indexed to 1997 (first year of economic life): (Purchase price includes discount, sales tax, and freight for this region).

$$(5,303/3,991) \times \$168,280 = \$223,600 \text{ (=1997 purchase price)}$$
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: Clark front-end wheel loader
- (2) Model and Series: Model 125C, 4WD, 4 CY capacity
- (3) Year of Use: 2003
- (4) Year Manufactured: 1986
- (5) Horsepower - Equipment: 203
- (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): 367 cwt
- (9) Tire size and number of tires: (Cost of tires based on year of use – see 1.a.(3) and appendix F)

	<u>No.</u>	<u>Size/Ply</u>	<u>Unit Price</u>	<u>Cost</u>
(a) Front (FT):	_____	_____	\$ _____	\$ _____
(b) Drive (DT):	<u>4-ANNBS</u>	<u>23.5x25/16 ply</u>	\$ <u>1,769.00</u>	\$ <u>7,076.00</u>
(c) Trailing (TT):	_____	_____	\$ _____	\$ _____
(d) Total Tire Cost:				<u>\$ 7,076.00</u>

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)]: _____ 0.033
 - (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): _____ 0.42
 - (c) Trailing (TT): _____ 0.00
 - (10) Repair Cost Factor (RCF): _____ 0.70

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

2. **EQUIPMENT VALUE**

- a. List Price + Accessories: *[at Year of Manufacture]* = \$ _____
- (1) Discount: (List Price + Accessories) x (Discount Code)
(\$ _____ + \$ _____) x (_____)^[1.c.(3)] = -(\$ _____)
- (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 EQUIPMENT VALUE (TEV):** TOTAL[2.] := \$ 223,600.00
^{[[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) / (1,530 hr/yr) = 6.05

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]}
(2,431) / (2,515) = 0.967 (TCI)

(2)
$$\frac{[(\$223,600.00) \times [1.0 - (0.250)] - [(0.967) \times (\$7,076.00)]}{(9,250 \text{ hr})}$$
 = \$ 17.39 /hr

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

4. **OWNERSHIP COST (Continued)**

b. Facilities Capital Cost of Money (FCCM):

$$(1) \quad \frac{[(N) - 1.0] \times [1.0 + (SLV)] + 2.0}{[2.0 \times (N)]} = \text{Avg Value Factor}$$

[3.a.]
[1.c.5.]
[3.a.]
(AVF)

$$[[(6.05 \text{ yr}) - 1.0] \times [1.0 + (0.250)] + 2.0] / [2.0 \times (6.05 \text{ yr})]$$

$$= \underline{\hspace{2cm}} 0.687 \text{ (AVF)}$$

$$(2) \quad (TEV) \times (AVF) \times (\text{Adjusted Cost - of - Money}) / (WHPY)$$

[2.c.]
[4.b.(1)]
[Appendix B]
[Appendix B]

$$(\$223,600.00) \times (0.687) \times (0.034) / (1,530 \text{ hr/yr})$$

$$= \$ \underline{\hspace{2cm}} 3.41 \text{ /hr}$$

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

$$= \$ \underline{\hspace{2cm}} 20.80 \text{ /hr}$$

5. **OPERATING COST**

a. Fuel Costs:

(1) Equipment:

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

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

$$(0.033) \times (203 \text{ hp}) \times (\$1.34 \text{ / gal}) = \$ \underline{\hspace{2cm}} 8.98 \text{ /hr}$$

(2) Carrier:

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

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

$$(0.000) \times (0 \text{ hp}) \times (\$0.00 \text{ /gal}) = \$ \underline{\hspace{2cm}} 0.00 \text{ /hr}$$

(3) Total Hourly Fuel Cost:
[(5.a.(1)) + [5.a.(2)]]

$$\text{Total [5.a.] = } \$ \underline{\hspace{2cm}} 8.98 \text{ /hr}$$

b. FOG Cost:

(1) Equipment:

$$(\text{FOG Factor}) \times (\text{Equipment Fuel Cost}) \times (\text{Labor Adjustment Factor (LAF)})$$

[1.c.(8)]
[5.a.(1)]
[Appendix B]

$$(0.445) \times (\$8.98 \text{ /hr}) \times (0.83) = \$ \underline{\hspace{2cm}} 3.32 \text{ /hr}$$

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

5. **OPERATING COST (Continued)**

(2) Carrier:

$$\begin{aligned} &\text{(FOG Factor)} \times \text{(Carrier Fuel Cost)} \times \text{(LAF)} \\ &\quad [1.c.(8)] \quad [5.a.(2)] \quad [Appendix B] \\ &(\underline{0.445}) \times (\underline{\$0.00} / \text{hr}) \times (\underline{0.83}) \quad = \$ \underline{0.00} / \text{hr} \end{aligned}$$

(3) Total Hourly FOG Cost: **Total [5.b.] = \$** 3.32 /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)])

$$\begin{aligned} &\text{(Economic Index for Year 1.a.(3))} / \text{(Economic Index for Year 1.a.(4))} \\ &\quad [Appendix E] \quad [Appendix E] \\ &(\underline{5,740}) / (\underline{5,303}) \quad = \underline{1.082} \text{ (EAF)} \end{aligned}$$

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

(2) Repair Factor (RF):

$$\begin{aligned} &\text{(RCF)} \times \text{(EAF)} \times \text{(LAF)} \quad = \text{Repair Factor (RF)} \\ &\quad [1.c.(10)] \quad [5.d.(1)] \quad [Appendix B] \\ &(\underline{0.70}) \times (\underline{1.082}) \times (\underline{0.83}) \quad = \underline{0.629} \text{ (RF)} \end{aligned}$$

(3) Repair Cost:

$$\begin{aligned} &[(\text{TEV}) - ((\text{TCI}) \times (\text{Tire Cost}))] \times (\text{RF}) / (\text{LIFE}) \\ &\quad [2.c.] \quad [4.a.(1)] \quad [1.a.(9)(d)] \quad [5.d.(2)] \quad [1.c.(4)] \\ &[(\underline{\$223,600}) - ((\underline{0.967}) \times (\underline{\$7,076.00}))] \times (\underline{0.629}) / (\underline{9,250}) \end{aligned}$$

(4) Total Hourly Repair Cost: **Total [5.d.] = \$** 14.74/hr

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

5. **OPERATING COST (Continued)**

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

(1) Front Tires (FT):

$$\frac{[1.5 \times (\text{FT Cost})]}{[1.8 \times (\text{FT Wear Factor}) \times (\text{Maximum Tire Life Hours})]}$$

[1.a.(9)(a)]
[1.c.(9)(a)]
[Appendix G]

$$[1.5 \times (\$0.00)] / [1.8 \times (0.00) \times (0 \text{ /hr})]$$

$$= \$ \underline{\hspace{2cm}} \underline{0.00} \text{ /hr}$$

(2) Drive Tires (DT):

$$\frac{[1.5 \times (\text{DT Cost})]}{[1.8 \times (\text{DT Wear Factor}) \times (\text{Maximum Tire Life Hours})]}$$

[1.a.(9)(b)]
[1.c.(9)(b)]
[Appendix G]

$$[1.5 \times (\$7,076.00)] / [1.8 \times (0.42) \times (3,200 \text{ /hr})]$$

$$= \$ \underline{\hspace{2cm}} \underline{4.39} \text{ /hr}$$

(3) Trailing Tires (TT):

$$\frac{[1.5 \times (\text{TT Cost})]}{[1.8 \times (\text{TT Wear Factor}) \times (\text{Maximum Tire Life Hours})]}$$

[1.a.(9)(c)]
[1.c.(9)(c)]
[Appendix G]

$$[1.5 \times (\$0.00)] / [1.8 \times (0) \times (0 \text{ /hr})]$$

$$= \$ \underline{\hspace{2cm}} \underline{0.00} \text{ /hr}$$

(4) Total Tire Wear Cost:
[Sum 5.e.(1) through 5.e.(3)]

$$\text{Total [5.e.] } = \$ \underline{\hspace{2cm}} \underline{4.39} \text{ /hr}$$

f. Tire Repair Cost:

$$(\text{Total Tire Wear Cost}) \times 0.15 \times (\text{LAF})$$

[5.e.(4)]
[Appendix B]

$$(\$4.39 \text{ /hr}) \times 0.15 \times (0.83)$$

$$\text{Total [5.f.] } = \$ \underline{\hspace{2cm}} \underline{0.55} \text{ /hr}$$

g. **TOTAL HOURLY OPERATING COST:**
[Sum 5.a. through 5.f.]

$$\text{TOTAL [5.] } = \$ \underline{\hspace{2cm}} \underline{31.98} \text{ /hr}$$

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

6. **HOURLY RATES**

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

(Ownership Cost) + (Operating Cost)

(\$20.80 /hr) + (\$31.98 /hr)

= \$ 52.78 /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

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 3 TYPE OF EQUIPMENT	Year Purchased New																		
		Life in Years																		
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
		2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	
A10	0.00	AGGREGATE / CHIP SPREADERS																		
A10	0.10	SELF-PROPELLED	1.05	1.02	1.02	1.00	0.97	0.96	0.93	0.90	0.87	0.85	0.83	0.80	0.81	0.76	0.73	0.71	0.69	0.67
A10	0.20	TOWED & TAILGATE	1.05	1.02	1.02	1.00	0.97	0.96	0.93	0.89	0.87	0.85	0.83	0.80	0.80	0.76	0.73	0.70	0.68	0.67
A15	0.00	AIR COMPRESSORS, PORTABLE																		
A15	0.10	ROTARY SCREW	1.03	1.01	1.02	1.00	1.02	1.02	1.01	1.01	1.00	0.98	0.99	0.98	0.95	0.95	0.91	0.86	0.82	0.81
A15	0.20	SHOP TYPE	1.02	1.01	1.02	1.00	1.02	1.01	1.01	1.01	1.00	0.98	0.99	0.98	0.95	0.95	0.91	0.87	0.83	0.82
A20	0.00	AIR HOSE, TOOLS & EQUIPMENT																		
A20	0.10	AIR DRILL HOSE	1.02	1.01	1.02	1.00	1.02	1.01	1.01	1.01	1.00	0.98	0.99	0.98	0.96	0.95	0.92	0.87	0.84	0.83
A20	0.20	SANDBLAST HOSE	1.02	1.01	1.02	1.00	1.02	1.01	1.01	1.01	1.00	0.98	0.99	0.98	0.96	0.95	0.92	0.87	0.84	0.83
A20	0.30	SANDBLASTERS, BREAKERS, & MISC. AIR TOOLS	1.02	1.01	1.02	1.00	1.02	1.01	1.01	1.01	1.00	0.98	0.99	0.98	0.96	0.95	0.92	0.87	0.83	0.83
A25	0.00	ASPHALT PAVING DISTRIBUTORS	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.90	0.88	0.86	0.85	0.82	0.82	0.78	0.75	0.73	0.71	0.70
A30	0.00	ASPHALT PAVERS & MISCELLANEOUS ROAD EQUIPMENT																		
A30	0.10	SELF PROPELLED	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.90	0.88	0.86	0.84	0.81	0.81	0.77	0.74	0.72	0.70	0.69
A30	0.20	TOWED	1.05	1.02	1.02	1.00	0.98	0.96	0.93	0.90	0.88	0.85	0.83	0.80	0.81	0.77	0.73	0.71	0.69	0.68
A30	0.30	SLURRY SEAL PAVERS (Cold mix)	1.05	1.02	1.02	1.00	0.98	0.96	0.93	0.90	0.88	0.86	0.84	0.81	0.81	0.77	0.74	0.72	0.70	0.68
A30	0.40	MISCELLANEOUS ROAD EQUIPMENT	1.05	1.02	1.02	1.00	0.98	0.96	0.93	0.90	0.88	0.85	0.83	0.80	0.81	0.77	0.73	0.71	0.69	0.68
A35	0.00	ASPHALT PAVING KETTLES	1.05	1.02	1.02	1.00	0.97	0.96	0.93	0.89	0.87	0.85	0.83	0.80	0.80	0.76	0.73	0.70	0.68	0.67
A40	0.00	ASPHALT & CONCRETE MILLERS / PROFILERS / PLANERS	1.05	1.02	1.02	1.00	0.97	0.96	0.93	0.89	0.87	0.85	0.83	0.80	0.80	0.76	0.73	0.70	0.68	0.67
A45	0.00	ASPHALT RECYCLERS & SEALERS	1.05	1.02	1.02	1.00	0.97	0.96	0.93	0.89	0.87	0.85	0.83	0.80	0.80	0.76	0.72	0.70	0.68	0.66
B10	0.00	BATCH PLANTS, ASPHALT & CONCRETE																		
B10	0.10	ASPHALT	1.05	1.02	1.02	1.00	0.97	0.96	0.93	0.90	0.87	0.85	0.83	0.80	0.81	0.76	0.73	0.71	0.69	0.67
B10	0.20	CONCRETE	1.05	1.02	1.02	1.00	0.97	0.96	0.93	0.90	0.87	0.85	0.83	0.80	0.81	0.76	0.73	0.71	0.69	0.67
B10	0.30	PUGMILL	1.05	1.02	1.02	1.00	0.98	0.96	0.93	0.90	0.88	0.85	0.83	0.80	0.81	0.77	0.73	0.71	0.69	0.68
B15	0.00	BROOMS, STREET SWEEPERS & FLUSHERS	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.94	0.91	0.89	0.88	0.85	0.83	0.80	0.77	0.73	0.71	0.69
B20	0.00	BRUSH CHIPPERS	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.94	0.91	0.89	0.88	0.85	0.83	0.80	0.77	0.73	0.71	0.69
B25	0.00	BUCKETS, CLAMHELL	1.09	1.06	1.00	1.00	1.01	1.00	1.00	0.98	0.96	0.96	0.96	0.92	0.84	0.80	0.75	0.68	0.66	0.66
B30	0.00	BUCKETS, CONCRETE																		

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY SUB	REGION 3 TYPE OF EQUIPMENT	Year Purchased New																		
		Life in Years																		
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
		2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	
B30	0.10	GENERAL PURPOSE, MANUAL TRIP	1.08	1.05	1.00	1.00	1.01	1.00	1.00	0.98	0.97	0.96	0.96	0.92	0.85	0.81	0.76	0.69	0.68	0.67
B30	0.20	LAYDOWN	1.08	1.05	1.00	1.00	1.01	1.00	1.00	0.98	0.97	0.96	0.96	0.92	0.85	0.81	0.76	0.69	0.68	0.67
B30	0.30	LOWBOY	1.08	1.05	1.00	1.00	1.01	1.00	1.00	0.98	0.97	0.96	0.96	0.92	0.85	0.81	0.76	0.69	0.68	0.67
B30	0.40	LOW SLUMP	1.08	1.05	1.00	1.00	1.01	1.00	1.00	0.98	0.97	0.96	0.96	0.92	0.85	0.81	0.76	0.69	0.68	0.67
B35	0.00	BUCKETS, DRAGLINE																		
B35	0.10	LIGHT WEIGHT	1.09	1.06	1.00	1.00	1.01	1.00	1.00	0.98	0.96	0.96	0.96	0.92	0.84	0.80	0.75	0.68	0.66	0.66
B35	0.20	MEDIUM WEIGHT	1.09	1.06	1.00	1.00	1.01	1.00	1.00	0.98	0.96	0.96	0.96	0.92	0.84	0.80	0.75	0.68	0.67	0.66
B35	0.30	HEAVY WEIGHT	1.09	1.06	1.00	1.00	1.01	1.00	1.00	0.98	0.96	0.96	0.96	0.92	0.84	0.80	0.75	0.68	0.67	0.66
C05	0.00	CHAIN SAWS	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.91	0.89	0.88	0.85	0.82	0.80	0.76	0.72	0.70	0.69
C10	0.00	COMPACTORS, WALK-BEHIND OR REMOTE CONTROLLER																		
C10	0.10	COMPACTORS, RAMMERS / TAMPERS & VIBRATORY PLATES	1.04	1.02	1.00	1.00	0.99	0.98	0.95	0.94	0.92	0.89	0.88	0.86	0.83	0.81	0.78	0.74	0.72	0.70
C10	0.20	ROLLERS, VIBRATORY	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.91	0.88	0.87	0.84	0.82	0.79	0.75	0.71	0.69	0.67
C15	0.00	CONCRETE CLEANERS / BLASTERS	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.86	0.84	0.81	0.78	0.74	0.70	0.67	0.65
C20	0.00	CONCRETE BUGGIES	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.86	0.84	0.81	0.78	0.74	0.70	0.67	0.65
C25	0.00	CONCRETE FINISHERS/SCREEDS/SPREADERS																		
C25	0.10	FINISHERS/TROWELS	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.86	0.84	0.81	0.78	0.74	0.70	0.68	0.66
C25	0.20	VIBRATORY SCREED	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.86	0.84	0.81	0.78	0.74	0.70	0.68	0.66
C25	0.25	VIBRATORY LASER SCREED	1.05	1.02	1.00	1.00	0.99	0.97	0.94	0.92	0.90	0.87	0.85	0.83	0.80	0.76	0.73	0.68	0.65	0.63
C25	0.30	MATERIAL/TOPPING SPREADERS	1.05	1.02	1.00	1.00	0.99	0.97	0.94	0.92	0.90	0.87	0.85	0.83	0.80	0.76	0.73	0.68	0.65	0.63
C30	0.00	CONCRETE GRINDERS	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.86	0.84	0.81	0.78	0.74	0.70	0.68	0.66
C35	0.00	CONCRETE GUNITERS / SHOTCRETTERS	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.87	0.86	0.83	0.80	0.77	0.74	0.69	0.67	0.65
C40	0.00	CONCRETE MIXING UNITS	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.86	0.84	0.81	0.78	0.74	0.70	0.68	0.66
C45	0.00	CONCRETE PAVING MACHINES	1.05	1.02	1.02	1.00	0.97	0.96	0.93	0.89	0.87	0.85	0.83	0.80	0.80	0.76	0.73	0.70	0.68	0.67
C55	0.00	CONCRETE PUMPS	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.94	0.91	0.89	0.88	0.85	0.83	0.80	0.77	0.73	0.71	0.69
C60	0.00	CONCRETE SAWS (Add cost for sawblade wear)	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.94	0.91	0.89	0.88	0.85	0.83	0.80	0.77	0.73	0.71	0.69
C65	0.00	CONCRETE VIBRATORS	1.02	1.01	1.02	1.00	1.02	1.01	1.01	1.01	1.00	0.98	0.99	0.98	0.95	0.95	0.91	0.87	0.83	0.82
C70	0.00	CRANES, GANTRY & STRADDLE																		

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY SUB	REGION 3 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	
		2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	
C75 0.00	CRANES, HYDRAULIC, SELF-PROPELLED	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84	0.79	0.76	0.72	0.66	0.65	0.62	
C80 0.00	CRANES, HYDRAULIC, TRUCK MOUNTED																			
C80 0.01	UNDER 26 TON	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84	0.79	0.76	0.72	0.66	0.65	0.62	
C80 0.02	26 TON THRU 65 TON	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84	0.79	0.76	0.72	0.67	0.65	0.63	
C80 0.03	66 TON THRU 125 TON	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84	0.79	0.76	0.73	0.67	0.65	0.63	
C80 0.04	OVER 125 TON	1.08	1.05	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84	0.80	0.77	0.73	0.67	0.65	0.63	
C85 0.00	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER MOUNTED																			
C85 0.11	DRAGLINE, CLAMSHELL, 0 THRU 1.0 CY	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84	0.78	0.75	0.71	0.65	0.63	0.61	
C85 0.12	DRAGLINE, CLAMSHELL, OVER 1.0 CY THRU 2.5 CY	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84	0.79	0.76	0.72	0.66	0.64	0.61	
C85 0.13	DRAGLINE, CLAMSHELL, OVER 2.5 CY THRU 5.0 CY	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84	0.79	0.76	0.72	0.66	0.64	0.62	
C85 0.14	DRAGLINE, CLAMSHELL, OVER 5.0 CY	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84	0.79	0.76	0.72	0.66	0.65	0.62	
C85 0.21	LIFTING, 0 THRU 25 TON	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84	0.79	0.76	0.72	0.66	0.64	0.61	
C85 0.22	LIFTING, 26 TON THRU 50 TON	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84	0.79	0.76	0.72	0.66	0.64	0.62	
C85 0.23	LIFTING, 51 TON THRU 150 TON	1.08	1.05	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84	0.80	0.77	0.73	0.67	0.65	0.63	
C85 0.24	LIFTING, OVER 150 TON	1.08	1.05	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.89	0.85	0.80	0.77	0.73	0.68	0.66	0.63	
C90 0.00	CRANES, MECHANICAL, LATTICE BOOM, TRUCK MOUNTED																			
C90 0.01	UNDER 26 TON	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84	0.79	0.76	0.72	0.66	0.65	0.62	
C90 0.02	26 TON THRU 65 TON	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84	0.79	0.76	0.72	0.67	0.65	0.63	
C90 0.03	66 TON THRU 125 TON	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84	0.79	0.76	0.72	0.66	0.64	0.62	
C90 0.04	OVER 125 TON	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84	0.79	0.76	0.72	0.66	0.65	0.62	
C95 0.00	CRANES, TOWER	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84	0.79	0.76	0.72	0.66	0.64	0.62	
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)	1.14	1.12	1.03	1.00	0.98	0.97	0.95	0.93	0.89	0.87	0.85	0.83	0.82	0.79	0.76	0.71	0.70	0.70	
D10 0.20	HYDRAULIC TRACK (Add cost for drill steel and bit wear)	1.14	1.13	1.03	1.00	0.98	0.96	0.95	0.93	0.89	0.86	0.85	0.82	0.81	0.78	0.75	0.69	0.69	0.69	
D15 0.00	DRILLS, HORIZONTAL BORING & GROUND PIERCING (Add cost for drill steel and bit wear)	1.14	1.13	1.03	1.00	0.98	0.96	0.95	0.93	0.89	0.86	0.85	0.82	0.81	0.78	0.75	0.69	0.69	0.69	
D20 0.00	DRILLS, CORE, COLUMN MOUNTED (Add cost for drill steel and bit wear)	1.15	1.13	1.03	1.00	0.98	0.96	0.95	0.93	0.88	0.86	0.84	0.82	0.81	0.78	0.74	0.69	0.68	0.68	
D25 0.00	DRILLS, CORE, SKID MOUNTED (Add cost for drill steel and bit wear)	1.14	1.13	1.03	1.00	0.98	0.96	0.95	0.93	0.89	0.86	0.85	0.82	0.81	0.78	0.75	0.69	0.69	0.69	

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY SUB	REGION 3 TYPE OF EQUIPMENT	Year Purchased New																	
		Life in Years																	
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
D30	0.00	DRILLS, EARTH / AUGER (Add cost for drill steel and cutting edge wear)																	
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)																	
D35	0.12	DIESEL, OVER 9.875" DIAMETER (Add cost for drill steel and bit wear)																	
D35	0.21	ELECTRIC, 4.5" THRU 9.875" DIAMETER HOLE (Add cost for drill steel and bit wear)																	
D35	0.22	ELECTRIC, OVER 9.875" DIAMETER (Add cost for drill steel and bit wear)																	
F10	0.00	FORK LIFTS																	
G10	0.00	GENERATOR SETS																	
G10	0.10	PORTABLE																	
G10	0.20	SKID MOUNTED																	
G15	0.00	GRADERS, MOTOR																	
H10	0.00	HAMMERS, HYDRAULIC (Demolition tool) (Add cost for point wear)																	
H13	0.00	HAZARDOUS/TOXIC WASTE EQUIPMENT																	
H13	0.11	COMPACTORS (Compression force) 0 THRU 50 TONS																	
H13	0.12	COMPACTORS (Compression force) OVER 50 TONS																	
H13	0.21	FILTER PRESSES, STATIONARY																	
H13	0.22	FILTER PRESSES, MOBILE																	
H13	0.30	CENTRIFUGES																	
H13	0.40	SHREDDERS																	
H13	0.51	SOIL TREATMENT PLANT, MOBILE																	
H13	0.61	SLUDGE PROCESSING EQUIP, SLUDGE DISPENSERS																	
H13	0.71	WASTE HANDLING EQUIPMENT, DRUM HANDLING																	
H15	0.00	HEATERS, SPACE																	
H20	0.00	HOISTS & AIR WINCHES																	
H25	0.00	HYDRAULIC EXCAVATORS, CRAWLER MOUNTED																	
H25	0.10	0 LBS THRU 12,500 LBS (COMPACT EXCAVATORS)																	
H25	0.11	OVER 12,500 LBS THRU 40,000 LBS																	

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY SUB	REGION 3 TYPE OF EQUIPMENT		Year Purchased New																	
			Life in Years																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
			2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
H25 0.12		OVER 40,000 LBS THRU 100,000 LBS	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.93	0.90	0.88	0.87	0.83	0.77	0.74	0.70	0.63	0.61	0.59
H25 0.13		OVER 100,000 LBS THRU 160,000 LBS	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.87	0.83	0.78	0.75	0.71	0.65	0.63	0.60
H25 0.14		OVER 160,000 LBS	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84	0.78	0.75	0.71	0.65	0.63	0.61
H25 0.21		ATTACHMENTS, MOBILE SHEARS	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.91	0.89	0.87	0.85	0.82	0.79	0.76	0.72	0.69	0.68
H25 0.22		ATTACHMENTS, MATERIAL HANDLING	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.87	0.84	0.81	0.78	0.75	0.70	0.68	0.66
H25 0.23		ATTACHMENTS, CONCRETE PULVERIZERS	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.91	0.89	0.87	0.85	0.82	0.79	0.76	0.72	0.69	0.68
H25 0.24		ATTACHMENTS, COMPACTORS	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.91	0.89	0.87	0.85	0.82	0.79	0.76	0.72	0.69	0.68
H30 0.00		HYDRAULIC EXCAVATORS, WHEEL MOUNTED																		
H30 0.01		0 THRU 1.0 CY	1.10	1.06	1.00	1.00	1.00	0.98	0.95	0.93	0.90	0.88	0.87	0.82	0.76	0.73	0.68	0.62	0.60	0.57
H30 0.02		OVER 1.0 CY	1.10	1.06	1.00	1.00	1.00	0.98	0.96	0.93	0.90	0.88	0.87	0.82	0.77	0.73	0.69	0.63	0.61	0.58
H35 0.00		HYDRAULIC SHOVELS, CRAWLER MOUNTED																		
H35 0.11		DIESEL, 0 CY THRU 5.0 CY	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84	0.78	0.75	0.71	0.65	0.63	0.61
H35 0.12		DIESEL, OVER 5.0 CY	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84	0.79	0.76	0.72	0.66	0.64	0.61
H35 0.21		ELECTRIC, OVER 2.5 CY	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84	0.79	0.76	0.72	0.66	0.64	0.62
L10 0.00		LAND CLEARING EQUIPMENT	1.04	1.01	1.00	1.00	0.99	0.95	0.93	0.92	0.89	0.85	0.81	0.77	0.74	0.72	0.69	0.64	0.59	0.57
L15 0.00		LANDSCAPING EQUIPMENT	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.91	0.88	0.87	0.84	0.82	0.79	0.75	0.71	0.69	0.67
L20 0.00		LIGHTING SETS, TRAILER MOUNTED																		
L20 0.10		METALLIC VAPOR	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.87	0.84	0.81	0.79	0.75	0.71	0.68	0.67
L25 0.00		LINE STRIPING EQUIPMENT	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.87	0.84	0.81	0.79	0.75	0.71	0.68	0.67
L30 0.00		LOADERS, BELT (Conveyor belts) & ACCESSORIES	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.91	0.88	0.87	0.84	0.82	0.79	0.75	0.71	0.69	0.67
L35 0.00		LOADERS, FRONT END, CRAWLER TYPE	1.04	1.01	1.00	1.00	0.99	0.95	0.93	0.92	0.89	0.85	0.81	0.77	0.74	0.72	0.69	0.64	0.59	0.57
L40 0.00		LOADERS, FRONT END, WHEEL TYPE																		
L40 0.11		ARTICULATED, 0 THRU 225 HP	1.04	1.01	1.01	1.00	0.99	0.97	0.94	0.93	0.90	0.87	0.85	0.82	0.80	0.77	0.75	0.71	0.68	0.66
L40 0.12		ARTICULATED, OVER 225 HP	1.04	1.01	1.00	1.00	0.99	0.97	0.95	0.94	0.91	0.88	0.86	0.84	0.81	0.79	0.76	0.73	0.70	0.68
L40 0.20		SKID STEER	1.04	1.01	1.01	1.00	0.99	0.97	0.94	0.93	0.90	0.88	0.86	0.83	0.80	0.78	0.76	0.72	0.69	0.67
L40 0.21		SKID STEER ATTACHMENTS	1.04	1.01	1.01	1.00	0.99	0.97	0.94	0.93	0.90	0.87	0.85	0.82	0.80	0.77	0.75	0.71	0.68	0.65
L40 0.31		TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP	1.04	1.01	1.01	1.00	0.99	0.97	0.94	0.93	0.90	0.87	0.85	0.82	0.80	0.78	0.75	0.71	0.68	0.66

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY SUB	REGION 3 TYPE OF EQUIPMENT	Year Purchased New																		
		Life in Years																		
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
		2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	
L40	0.32	TOOL CARRIER & TELESCOPIC HANDLERS, OVER 225 HP	1.03	1.01	1.00	1.00	0.99	0.97	0.95	0.94	0.91	0.89	0.87	0.84	0.82	0.79	0.77	0.74	0.71	0.69
L45	0.00	LOADERS / BACKHOE, CRAWLER TYPE	1.04	1.01	1.01	1.00	0.99	0.95	0.93	0.92	0.88	0.85	0.81	0.76	0.74	0.71	0.68	0.64	0.59	0.56
L50	0.00	LOADERS / BACKHOE, WHEEL TYPE	1.04	1.01	1.01	1.00	0.99	0.97	0.94	0.93	0.90	0.87	0.85	0.82	0.80	0.78	0.75	0.71	0.68	0.66
L55	0.00	LOADER / BACKHOE, ATTACHMENTS	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.87	0.84	0.81	0.78	0.75	0.70	0.68	0.66
L60	0.00	LOG SKIDDERS	1.06	1.03	1.02	1.00	0.98	0.95	0.94	0.92	0.91	0.90	0.87	0.86	0.84	0.82	0.80	0.78	0.76	0.75
M10	0.00	MARINE EQUIPMENT (NON DREDGING)																		
M10	0.11	AQUATIC MAINTENANCE	1.07	1.04	1.02	1.00	0.98	0.97	0.96	0.92	0.88	0.86	0.85	0.81	0.76	0.73	0.69	0.66	0.65	0.65
M10	0.12	AQUATIC MAINTENANCE ATTACHMENTS	1.08	1.04	1.03	1.00	0.98	0.97	0.95	0.91	0.87	0.85	0.84	0.79	0.74	0.71	0.67	0.63	0.62	0.62
M10	0.21	HYDRAULIC CUTTERHEAD DREDGE, 8" OR LESS, TRANSPORTABLE	1.07	1.04	1.02	1.00	0.98	0.98	0.96	0.93	0.89	0.87	0.86	0.82	0.77	0.74	0.71	0.68	0.67	0.67
M10	0.22	HYDRAULIC CUTTERHEAD DREDGE, 8" - 12", TRANSPORTABLE	1.07	1.04	1.02	1.00	0.98	0.98	0.96	0.93	0.89	0.87	0.86	0.82	0.77	0.74	0.71	0.68	0.67	0.67
M10	0.23	HYDRAULIC AUGERHEAD DREDGE, 12" OR LESS, TRANSPORTABLE	1.07	1.04	1.02	1.00	0.98	0.98	0.96	0.93	0.89	0.87	0.86	0.82	0.77	0.74	0.71	0.68	0.67	0.67
M10	0.24	HYDRAULIC FLOATING PUMPS, 12" OR LESS, TRANSPORTABLE	1.07	1.04	1.02	1.00	0.98	0.97	0.96	0.92	0.88	0.87	0.85	0.81	0.77	0.74	0.70	0.67	0.66	0.66
M10	0.25	HYDRUALIC DREDGE PUMPS, 12" OR LESS, TRANSPORTABLE	1.08	1.04	1.03	1.00	0.98	0.97	0.96	0.92	0.88	0.86	0.84	0.80	0.75	0.72	0.68	0.65	0.64	0.64
M10	0.26	HYDRAULIC DREDGE / PUMP ATTACHMENTS	1.08	1.04	1.03	1.00	0.98	0.97	0.96	0.92	0.88	0.86	0.84	0.80	0.75	0.72	0.68	0.65	0.64	0.64
M10	0.31	SMALL MECH DREDGES, CLAMSHELL, BARGE-MTD TO 5 CY	1.08	1.05	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84	0.80	0.77	0.73	0.67	0.65	0.63
M10	0.32	SMALL MECH DREDGES, AMPHIBIOUS EXCAVATORS	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84	0.79	0.76	0.72	0.66	0.64	0.61
M10	0.33	SMALL MECH DREDGES, HOE-MOUNTED DREDGING ATTACH	1.07	1.04	1.02	1.00	0.98	0.97	0.96	0.92	0.88	0.87	0.86	0.82	0.77	0.74	0.71	0.67	0.67	0.66
M10	0.41	WORK FLOATS (NON-DREDGING)	1.07	1.04	1.02	1.00	0.98	0.97	0.96	0.92	0.88	0.87	0.85	0.81	0.77	0.73	0.70	0.67	0.66	0.65
M10	0.42	WORK BARGES (SECTIONAL, NON-DREDGING)	1.07	1.04	1.02	1.00	0.98	0.98	0.96	0.93	0.89	0.87	0.86	0.82	0.78	0.75	0.72	0.69	0.68	0.68
M10	0.45	FLAT-DECK OR CARGO BARGE (NON-DREDGING)	1.07	1.03	1.02	1.00	0.98	0.98	0.96	0.93	0.89	0.88	0.87	0.83	0.79	0.76	0.73	0.70	0.69	0.69
M10	0.46	DUMP SCOW (NON-DREDGING)	1.07	1.03	1.02	1.00	0.98	0.98	0.96	0.93	0.89	0.88	0.87	0.83	0.79	0.76	0.73	0.70	0.69	0.69
M10	0.47	DRILL BARGE (NON-DREDGING)	1.07	1.03	1.02	1.00	0.98	0.98	0.96	0.93	0.89	0.88	0.86	0.83	0.78	0.75	0.72	0.69	0.68	0.68
M10	0.48	ALL OTHER BARGES (NON-DREDGING)	1.07	1.03	1.02	1.00	0.98	0.98	0.96	0.93	0.89	0.88	0.86	0.83	0.78	0.75	0.72	0.69	0.68	0.68
M10	0.51	BOATS & LAUNCHES, 0 THRU 250 HP	1.07	1.04	1.02	1.00	0.98	0.97	0.96	0.92	0.88	0.87	0.85	0.81	0.77	0.74	0.70	0.67	0.66	0.66
M10	0.53	BOATS & LAUNCHES, 251 THRU 500 HP	1.07	1.04	1.02	1.00	0.98	0.97	0.96	0.92	0.88	0.87	0.85	0.82	0.77	0.74	0.70	0.67	0.66	0.66
M10	0.54	TUGS, 501 THRU 1,000 HP	1.07	1.03	1.02	1.00	0.98	0.98	0.96	0.93	0.89	0.88	0.86	0.83	0.78	0.75	0.72	0.69	0.68	0.68
M10	0.55	TUGS, 1,000 THRU 2,000 HP	1.07	1.03	1.02	1.00	0.98	0.98	0.96	0.93	0.89	0.88	0.87	0.83	0.79	0.76	0.73	0.70	0.69	0.69

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY SUB	REGION 3 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	
		2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	
P10 0.00	PILE HAMMER ACCESSORIES - EXTRACTORS & BOX LEADS	1.05	1.02	1.00	1.00	0.99	0.97	0.94	0.92	0.89	0.86	0.84	0.81	0.78	0.74	0.70	0.65	0.62	0.60	
P20 0.00	PILE HAMMERS, DOUBLE ACTING																			
P20 0.10	DIESEL	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.87	0.86	0.83	0.80	0.77	0.73	0.69	0.66	0.64	
P20 0.20	PNUEMATIC (STEAM/AIR)	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.87	0.84	0.81	0.78	0.75	0.70	0.68	0.66	
P25 0.00	PILE HAMMERS, SINGLE ACTING																			
P25 0.10	DIESEL	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.87	0.84	0.81	0.78	0.75	0.70	0.68	0.66	
P25 0.20	PNUEMATIC (STEAM/AIR)	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.91	0.89	0.87	0.85	0.82	0.79	0.76	0.72	0.69	0.68	
P30 0.00	PILE HAMMERS, DRIVER/ EXTRACTOR, VIBRATORY	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.87	0.84	0.81	0.78	0.75	0.70	0.68	0.66	
P35 0.00	PIPELAYERS	1.04	1.01	1.00	1.00	0.99	0.96	0.94	0.92	0.89	0.85	0.82	0.77	0.75	0.72	0.70	0.65	0.60	0.58	
P40 0.00	PLATFORMS & MAN-LIFTS	1.09	1.06	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.89	0.88	0.84	0.79	0.76	0.73	0.67	0.65	0.63	
P45 0.00	PUMPS, GROUT	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.91	0.89	0.87	0.85	0.82	0.79	0.76	0.72	0.70	0.68	
P50 0.00	PUMPS, WATER, CENTRIFUGAL, TRASH																			
P50 0.11	ENGINE DRIVE	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.87	0.84	0.81	0.79	0.75	0.71	0.68	0.67	
P50 0.12	ELECTRIC DRIVE	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.87	0.84	0.81	0.79	0.75	0.71	0.68	0.67	
P50 0.21	WHEEL MOUNTED, ENGINE DRIVE	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.87	0.84	0.81	0.79	0.75	0.71	0.68	0.67	
P50 0.22	WHEEL MOUNTED, ELECTRIC DRIVE	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.87	0.84	0.81	0.79	0.75	0.71	0.68	0.67	
P50 0.31	HOSES, PUMP, SUCTION & DISCHARGE	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.91	0.89	0.88	0.85	0.83	0.80	0.77	0.73	0.71	0.69	
P55 0.00	PUMPS, WATER, SUBMERSIBLE																			
P55 0.01	ENGINE DRIVE	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.87	0.84	0.81	0.79	0.75	0.71	0.68	0.67	
P55 0.02	ELECTRIC DRIVE	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.91	0.89	0.87	0.85	0.82	0.79	0.76	0.72	0.70	0.68	
P60 0.00	PUMPS, WATER, CENTRIFUGAL, DEWATERING																			
P60 0.11	SKID MOUNTED, ENGINE DRIVE	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.87	0.84	0.81	0.79	0.75	0.71	0.68	0.67	
P60 0.12	SKID MOUNTED, ELECTRIC DRIVE	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.91	0.89	0.87	0.85	0.82	0.79	0.76	0.72	0.70	0.68	
P60 0.21	WHEEL MOUNTED, ENGINE DRIVE	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.87	0.84	0.81	0.79	0.75	0.71	0.68	0.67	
P60 0.22	WHEEL MOUNTED, ELECTRIC DRIVE	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.91	0.89	0.87	0.85	0.82	0.79	0.76	0.72	0.70	0.68	
P65 0.00	PUMPS, WATER, DIAPHRAGM																			
P65 0.11	SKID MOUNTED, ENGINE DRIVE	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.87	0.84	0.81	0.79	0.75	0.71	0.68	0.67	

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY SUB	REGION 3 TYPE OF EQUIPMENT	Year Purchased New																		
		Life in Years																		
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
		2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	
P65	0.12	SKID MOUNTED, ELECTRIC DRIVE	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.91	0.89	0.87	0.85	0.82	0.79	0.76	0.72	0.70	0.68
P65	0.21	WHEEL MOUNTED, ENGINE DRIVE	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.87	0.84	0.81	0.79	0.75	0.71	0.68	0.67
P65	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.91	0.89	0.87	0.85	0.82	0.79	0.76	0.72	0.70	0.68
P70	0.00	PUMPS, WATER (For core drills)																		
P70	0.01	ENGINE DRIVE	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.86	0.83	0.81	0.78	0.74	0.69	0.67	0.65
P70	0.02	ELECTRIC DRIVE	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.86	0.83	0.81	0.78	0.74	0.69	0.67	0.65
R10	0.00	RIPPERS & HYDRAULIC BANK SLOPERS (Add cost for point wear)	1.04	1.01	1.01	1.00	0.99	0.95	0.93	0.92	0.88	0.85	0.81	0.76	0.74	0.71	0.68	0.64	0.59	0.56
R15	0.00	ROLLERS, STATIC, TOWED, PNEUMATIC	1.06	1.04	1.02	1.00	1.02	0.99	0.97	0.96	0.94	0.91	0.85	0.85	0.90	0.89	0.86	0.84	0.79	0.78
R20	0.00	ROLLERS, STATIC, TOWED, STEEL DRUM	1.06	1.04	1.02	1.00	1.02	0.99	0.97	0.96	0.94	0.91	0.85	0.85	0.90	0.89	0.86	0.84	0.79	0.78
R30	0.00	ROLLERS, STATIC, SELF-PROPELLED																		
R30	0.01	PNEUMATIC	1.06	1.03	1.02	1.00	1.02	0.99	0.97	0.96	0.94	0.91	0.86	0.85	0.90	0.89	0.86	0.84	0.80	0.78
R30	0.02	SMOOTH DRUM	1.06	1.03	1.02	1.00	1.02	0.99	0.97	0.96	0.94	0.91	0.86	0.85	0.90	0.89	0.86	0.84	0.80	0.79
R30	0.03	TAMPING FOOT, LANDFILL & SOIL COMPACTORS	1.06	1.04	1.02	1.00	1.02	0.99	0.97	0.96	0.94	0.91	0.86	0.85	0.90	0.89	0.86	0.84	0.80	0.78
R40	0.00	ROLLERS, VIBRATORY, TOWED	1.06	1.04	1.02	1.00	1.02	0.99	0.97	0.96	0.94	0.91	0.85	0.85	0.89	0.88	0.86	0.83	0.79	0.77
R45	0.00	ROLLERS, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM	1.06	1.04	1.02	1.00	1.02	0.99	0.97	0.96	0.94	0.91	0.85	0.85	0.89	0.88	0.86	0.83	0.79	0.77
R50	0.00	ROLLERS, VIBRATORY, SELF-PROPELLED, SINGLE DRUM	1.06	1.04	1.02	1.00	1.02	0.99	0.97	0.96	0.93	0.90	0.84	0.84	0.89	0.88	0.85	0.83	0.78	0.76
R55	0.00	ROOFING EQUIPMENT	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.91	0.89	0.87	0.85	0.82	0.79	0.76	0.72	0.69	0.68
S10	0.00	SCRAPERS, ELEVATING																		
S10	0.01	0 THRU 200 HP	1.04	1.02	1.01	1.00	0.98	0.95	0.92	0.91	0.85	0.83	0.80	0.75	0.72	0.69	0.66	0.62	0.60	0.57
S10	0.02	OVER 200 HP	1.04	1.02	1.01	1.00	0.98	0.95	0.92	0.90	0.85	0.83	0.80	0.74	0.71	0.68	0.66	0.62	0.60	0.57
S15	0.00	SCRAPERS, CONVENTIONAL	1.04	1.02	1.01	1.00	0.98	0.95	0.92	0.91	0.86	0.84	0.81	0.76	0.73	0.70	0.67	0.63	0.62	0.59
S20	0.00	SCRAPERS, TANDEM POWERED	1.04	1.02	1.01	1.00	0.98	0.95	0.92	0.91	0.86	0.84	0.81	0.76	0.73	0.70	0.67	0.63	0.62	0.59
S25	0.00	SCRAPERS, TRACTOR DRAWN	1.04	1.02	1.01	1.00	0.98	0.95	0.92	0.91	0.85	0.83	0.81	0.75	0.72	0.69	0.67	0.63	0.61	0.58
S30	0.00	SCREENING & CRUSHING PLANTS																		
S30	0.10	CONVEYORS	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.94	0.91	0.89	0.88	0.86	0.83	0.80	0.77	0.73	0.71	0.70
S30	0.20	CRUSHERS - VERTICAL & HORIZONTAL SHAFT IMPACTOR	1.04	1.02	1.00	1.00	0.99	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.81	0.78	0.74	0.72	0.71
S30	0.21	CRUSHERS - CONE	1.04	1.02	1.00	1.00	0.99	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.81	0.78	0.74	0.72	0.71

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY SUB	REGION 3 TYPE OF EQUIPMENT	Year Purchased New																		
		Life in Years																		
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
		2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	
S30	0.22	CRUSHERS - JAW	1.04	1.02	1.00	1.00	0.99	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.81	0.78	0.74	0.72	0.71
S30	0.30	SCREENING PLANT	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.94	0.91	0.89	0.88	0.86	0.83	0.80	0.77	0.73	0.71	0.70
S35	0.00	SNOW REMOVAL EQUIPMENT	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.87	0.84	0.81	0.79	0.75	0.71	0.68	0.67
S40	0.00	SOIL & ROAD STABILIZERS	1.04	1.02	1.01	1.00	0.98	0.95	0.92	0.91	0.85	0.83	0.80	0.75	0.72	0.69	0.66	0.62	0.60	0.57
S45	0.00	SPLITTERS, ROCK & CONCRETE	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.87	0.84	0.81	0.78	0.75	0.70	0.68	0.66
T10	0.00	TRACTOR BLADES & ATTACHMENTS	1.04	1.01	1.00	1.00	0.99	0.95	0.93	0.92	0.89	0.85	0.81	0.77	0.74	0.72	0.69	0.64	0.59	0.57
T15	0.00	TRACTORS, CRAWLER (DOZER) (includes blade)																		
T15	0.01	0 THRU 225 HP	1.04	1.01	1.01	1.00	0.98	0.95	0.93	0.91	0.88	0.84	0.80	0.75	0.72	0.69	0.66	0.61	0.56	0.53
T15	0.02	226 HP THRU 425 HP	1.04	1.01	1.01	1.00	0.99	0.95	0.93	0.92	0.88	0.85	0.81	0.76	0.73	0.71	0.68	0.63	0.59	0.56
T15	0.03	OVER 425 HP	1.03	1.01	1.00	1.00	0.99	0.96	0.94	0.92	0.89	0.86	0.82	0.77	0.75	0.73	0.70	0.65	0.61	0.58
T20	0.00	TRACTORS, WHEEL TYPE (DOZER)	1.06	1.03	1.02	1.00	0.98	0.95	0.94	0.92	0.92	0.91	0.87	0.86	0.84	0.83	0.80	0.78	0.77	0.76
T25	0.00	TRACTORS, AGRICULTURAL																		
T25	0.10	CRAWLER	1.06	1.03	1.02	1.00	0.98	0.95	0.94	0.92	0.91	0.90	0.87	0.86	0.84	0.82	0.80	0.78	0.76	0.75
T25	0.20	WHEEL	1.06	1.03	1.02	1.00	0.98	0.95	0.94	0.92	0.91	0.90	0.87	0.85	0.83	0.82	0.80	0.78	0.76	0.75
T30	0.00	TRENCHERS, CHAIN TYPE CUTTER	1.06	1.04	1.02	1.00	0.98	0.95	0.91	0.89	0.88	0.85	0.79	0.75	0.74	0.73	0.71	0.69	0.68	0.67
T35	0.00	TRENCHERS, WHEEL TYPE CUTTER	1.06	1.04	1.02	1.00	0.98	0.95	0.91	0.89	0.88	0.85	0.79	0.75	0.74	0.73	0.71	0.69	0.68	0.67
T40	0.00	TRUCK OPTIONS																		
T40	0.10	CRANES / HOISTS, PERSONNEL & MATERIAL HANDLING	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.87	0.84	0.81	0.79	0.75	0.71	0.68	0.67
T40	0.20	DUMP BODY, REAR	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.94	0.91	0.89	0.88	0.85	0.83	0.80	0.77	0.73	0.71	0.69
T40	0.30	FLATBEDS, WITH SIDES	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.87	0.84	0.81	0.79	0.75	0.71	0.68	0.67
T40	0.41	HOIST, ELECTRIC DRIVE	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.87	0.84	0.81	0.79	0.75	0.71	0.68	0.67
T40	0.50	TRANSIT MIXERS	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.91	0.89	0.87	0.85	0.82	0.79	0.76	0.72	0.70	0.68
T40	0.60	WATER TANKS	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.86	0.83	0.81	0.78	0.74	0.69	0.67	0.65
T40	0.70	ALL OTHER OPTIONS	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.87	0.84	0.81	0.79	0.75	0.71	0.68	0.67
T45	0.00	TRUCK TRAILERS																		
T45	0.10	BOTTOM DUMP	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.94	0.91	0.89	0.88	0.86	0.83	0.80	0.77	0.73	0.71	0.70
T45	0.20	END DUMP	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.94	0.91	0.89	0.88	0.86	0.83	0.80	0.77	0.73	0.71	0.70

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY SUB	REGION 3 TYPE OF EQUIPMENT		Year Purchased New																	
			Life in Years																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986			
T45	0.30	PUP TRAILER	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.94	0.91	0.89	0.88	0.85	0.83	0.80	0.77	0.73	0.71	0.69
T45	0.41	LOWBOY, RIGID NECK, DROP DECK	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.94	0.91	0.89	0.88	0.86	0.83	0.80	0.77	0.73	0.71	0.70
T45	0.50	FLATBED TRAILER	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.94	0.91	0.89	0.88	0.86	0.83	0.80	0.77	0.73	0.71	0.70
T45	0.60	MISCELLANEOUS / UTILITY	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.94	0.91	0.89	0.88	0.86	0.83	0.80	0.77	0.73	0.71	0.70
T45	0.70	WATER TANKER TRAILER	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.86	0.84	0.81	0.78	0.74	0.70	0.68	0.66
T45	0.80	DECONTAMINATION FACILITY	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.86	0.83	0.81	0.78	0.74	0.69	0.67	0.65
T45	0.90	TANK TRAILERS	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.86	0.84	0.81	0.78	0.74	0.70	0.68	0.66
T50	0.00	TRUCKS, HIGHWAY (Add attachments as required)																		
T50	0.01	0 THRU 10,000 GVW	1.06	1.03	1.00	1.00	1.03	1.00	1.01	1.03	1.02	0.99	0.95	0.90	0.85	0.81	0.80	0.76	0.74	0.74
T50	0.02	OVER 10,000 THRU 30,000 GVW (Chassis only - Add options)	1.06	1.03	1.00	1.00	1.03	1.00	1.01	1.03	1.02	0.99	0.95	0.90	0.85	0.82	0.80	0.77	0.75	0.74
T50	0.03	OVER 30,000 GVW (Chassis only - Add options)	1.06	1.03	1.00	1.00	1.03	1.00	1.01	1.03	1.02	0.99	0.95	0.90	0.85	0.82	0.80	0.77	0.75	0.75
T55	0.00	TRUCKS, OFF-HIGHWAY																		
T55	0.10	RIGID FRAME	1.06	1.04	1.02	1.00	0.98	0.97	0.95	0.93	0.90	0.84	0.82	0.81	0.80	0.78	0.74	0.68	0.65	0.64
T55	0.20	ARTICULATED FRAME	1.06	1.04	1.02	1.00	0.98	0.97	0.95	0.93	0.89	0.84	0.81	0.81	0.79	0.77	0.73	0.67	0.64	0.62
T56	0.00	TRUCKS, OFF-HIGHWAY/PRIME MOVER TRACTORS & WAGONS																		
T56	0.10	PRIME MOVER TRACTORS	1.06	1.04	1.02	1.00	0.98	0.97	0.95	0.93	0.90	0.84	0.82	0.81	0.80	0.78	0.74	0.68	0.65	0.64
T56	0.20	WAGONS, BOTTOM DUMP	1.06	1.04	1.02	1.00	0.98	0.97	0.95	0.93	0.89	0.84	0.81	0.80	0.79	0.77	0.73	0.67	0.63	0.62
T56	0.30	WAGONS, REAR DUMP	1.06	1.04	1.02	1.00	0.98	0.97	0.95	0.92	0.89	0.83	0.80	0.80	0.79	0.76	0.72	0.66	0.62	0.61
T57	0.00	TRUCKS, VACUUM	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.91	0.88	0.87	0.84	0.82	0.79	0.75	0.71	0.69	0.67
T60	0.00	TRUCKS, WATER, OFF-HIGHWAY	1.06	1.04	1.02	1.00	0.98	0.97	0.95	0.92	0.89	0.83	0.80	0.80	0.79	0.76	0.72	0.66	0.62	0.61
T65	0.00	TUNNEL/MINING EQUIPMENT																		
T65	0.10	DRIFTING & TUNNELING DRILLS	1.13	1.11	1.02	1.00	0.98	0.97	0.95	0.94	0.90	0.88	0.86	0.84	0.83	0.80	0.77	0.73	0.72	0.72
T65	0.20	TUNNEL BORING MACHINES	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.94	0.91	0.89	0.88	0.86	0.83	0.80	0.77	0.73	0.71	0.70
T65	0.30	PRODUCTION DRILLING RIGS	1.13	1.11	1.02	1.00	0.98	0.97	0.95	0.94	0.90	0.88	0.86	0.84	0.83	0.80	0.77	0.72	0.72	0.72
T65	0.40	ROADHEADERS & CONTINUOUS MINERS	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.94	0.91	0.89	0.88	0.85	0.83	0.80	0.77	0.73	0.71	0.69
T65	0.50	ROCK BOLTING EQUIPMENT	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.91	0.88	0.87	0.84	0.82	0.79	0.75	0.71	0.69	0.67
T65	0.61	LOADING & HAULING EQUIPMENT, DIESEL OR GAS	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.91	0.88	0.87	0.85	0.82	0.79	0.76	0.72	0.69	0.68

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY SUB	REGION 3 TYPE OF EQUIPMENT		Year Purchased New																	
			Life in Years																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
T65	0.62	LOADING & HAULING EQUIPMENT, ELECTRIC	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.91	0.89	0.87	0.85	0.82	0.79	0.76	0.72	0.70	0.68
T65	0.63	LOADING & HAULING EQUIPMENT, AIR-POWERED	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.86	0.84	0.81	0.78	0.74	0.70	0.68	0.66
T65	0.70	LOCOMOTIVES	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.91	0.88	0.87	0.85	0.82	0.79	0.76	0.72	0.69	0.68
T65	0.90	OTHER TUNNELING EQUIPMENT	1.04	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.91	0.88	0.87	0.84	0.82	0.79	0.75	0.71	0.69	0.67
W10	0.00	WAGONS, BOTTOM DUMP	1.06	1.04	1.02	1.00	0.98	0.97	0.95	0.93	0.89	0.84	0.81	0.80	0.79	0.77	0.73	0.67	0.64	0.62
W15	0.00	WAGONS, REAR DUMP	1.06	1.04	1.02	1.00	0.98	0.97	0.95	0.93	0.89	0.84	0.81	0.80	0.79	0.77	0.73	0.67	0.64	0.62
W25	0.00	WATER & CO2 BLASTERS																		
W25	0.10	LOW PRESSURE, (< 5,000 PSI)	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.86	0.84	0.81	0.78	0.74	0.70	0.67	0.65
W25	0.20	HIGH PRESSURE, (>= 5,000 PSI)	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.86	0.84	0.81	0.78	0.74	0.70	0.67	0.65
W25	0.30	STEAM CLEANERS	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.86	0.84	0.81	0.78	0.74	0.70	0.67	0.65
W25	0.40	CO2 BLASTERS	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.87	0.84	0.81	0.78	0.75	0.70	0.68	0.66
W25	0.50	WET ABRASIVE BLASTING SYSTEM (TORBO)	1.05	1.02	1.00	1.00	0.99	0.97	0.94	0.92	0.89	0.87	0.85	0.82	0.79	0.76	0.72	0.67	0.65	0.63
W30	0.00	WATER TANKS																		
W30	0.10	PORTABLE WITH WHEELS	1.06	1.04	1.02	1.00	0.98	0.97	0.95	0.92	0.89	0.83	0.80	0.80	0.79	0.76	0.72	0.66	0.62	0.61
W30	0.20	SKID MOUNTED	1.06	1.04	1.02	1.00	0.98	0.97	0.95	0.92	0.89	0.83	0.80	0.80	0.79	0.76	0.72	0.66	0.62	0.61
W35	0.00	WELDERS																		
W35	0.10	ENGINE DRIVEN	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.86	0.83	0.81	0.78	0.74	0.69	0.67	0.65
W35	0.20	ELECTRIC DRIVEN	1.05	1.02	1.00	1.00	0.99	0.97	0.95	0.93	0.90	0.88	0.87	0.84	0.81	0.78	0.75	0.70	0.68	0.66

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. Clark front-end wheel loader
 - b. Model 125C, 4WD, 4 CY capacity
 - c. Serial number indicates year of manufacture = 1986
 - d. Actual purchase price in 1986 = \$168,280
 - e. Horsepower is 203 hp (fuel is Diesel off-road)
 - f. Drive tire (DT) size = 23.50 x 25, 16 ply, L-3
DT cost (2003) = 4 tires x \$1,769.00 = \$7,076.00
 - g. Weight = 42,200 lbs
4. Use the actual cost data as follows:
 - a. Purchase price (TEV) = \$168,280
 - b. Year of manufacture = 1986
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: Clark front-end wheel loader
- (2) Model and Series: Model 125C, 4WD, 4 CY capacity
- (3) Year of Use: 2003
- (4) Year Manufactured: 1986
- (5) Horsepower - Equipment: 203
- (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): 367 cwt
- (9) Tire size and number of tires: (Cost of tires based on year of use – see 1.a.(3) and appendix F)

	<u>No.</u>	<u>Size/Ply</u>	<u>Unit Price</u>	<u>Cost</u>
(a) Front (FT):	_____	_____	\$ _____	\$ _____
(b) Drive (DT):	<u>4-ANNBS</u>	<u>23.5x25/16 ply</u>	\$ <u>1,769.00</u>	\$ <u>7,076.00</u>
(c) Trailing (TT):	_____	_____	\$ _____	\$ _____
(d) Total Tire Cost:				\$ <u>7,076.00</u>

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)]: _____ 0.033
 - (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): _____ 0.42
 - (c) Trailing (TT): _____ 0.00
 - (10) Repair Cost Factor (RCF): _____ 0.70

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

2. **EQUIPMENT VALUE**

- a. List Price + Accessories: *[at Year of Manufacture]* = \$ _____
- (1) Discount: (List Price + Accessories) x (Discount Code)
(\$ _____ + \$ _____) x (_____)^[1.c.(3)] = -(\$ _____)
- (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 EQUIPMENT VALUE (TEV):** TOTAL[2.] := \$ _____ 168,280.00
^{[(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) / (1,530 _____ hr/yr) = _____ 6.05

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]
(2,340 _____) / (2,515 _____) = _____ 0.930 (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)]}
[(\$168,280.00) x [1.0 - (0.250 _____)] - [(0.930 _____) x (\$7,076.00 _____)]] / (9,250 _____ hr)
= \$ _____ 12.93 /hr

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

4. **OWNERSHIP COST (Continued)**

b. Facilities Capital Cost of Money (FCCM):

$$(1) \quad \frac{[(N) - 1.0] \times [1.0 + (SLV)] + 2.0}{[2.0 \times (N)]} = \text{Avg Value Factor}$$

[3.a.]
[1.c.5.]
[3.a.]
(AVF)

$$\frac{[(6.05 \text{ yr}) - 1.0] \times [1.0 + (0.250)] + 2.0}{[2.0 \times (6.05 \text{ yr})]}$$

$$= \underline{\hspace{2cm}} \quad 0.687 \text{ (AVF)}$$

$$(2) \quad (\text{TEV}) \times (\text{AVF}) \times (\text{Adjusted Cost - of - Money}) / (\text{WHPY})$$

[2.c]
[4.b.(1)]
[Appendix B]
[Appendix B]

$$(\$168,280.00) \times (0.687) \times (0.034) / (1,530 \text{ hr/yr})$$

$$= \$ \underline{\hspace{2cm}} \quad 2.57 \text{ /hr}$$

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

$$= \$ \underline{\hspace{2cm}} \quad 15.50 \text{ /hr}$$

5. **OPERATING COST**

a. Fuel Costs:

(1) Equipment:

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

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

$$(0.000) \times (0 \text{ hp}) \times (\$0.00 / \text{gal}) = \$ \underline{\hspace{2cm}} \quad 0.00 \text{ /hr}$$

(2) Carrier:

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

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

$$(0.000) \times (0 \text{ hp}) \times (\$0.00 / \text{gal}) = \$ \underline{\hspace{2cm}} \quad 0.00 \text{ /hr}$$

(3) Total Hourly Fuel Cost:
[(5.a.(1)) + [5.a.(2)]

$$\text{Total [5.a.] = } \$ \underline{\hspace{2cm}} \quad 0.00 \text{ /hr}$$

b. FOG Cost:

(1) Equipment:

$$(\text{FOG Factor}) \times (\text{Equipment Fuel Cost}) \times (\text{Labor Adjustment Factor (LAF)})$$

[1.c.(8)]
[5.a.(1)]
[Appendix B]

$$(0.000) \times (\$0.00 / \text{hr}) \times (0.00) = \$ \underline{\hspace{2cm}} \quad 0.00 \text{ /hr}$$

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

5. **OPERATING COST (Continued)**

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

(1) Front Tires (FT):

$$\frac{[1.5 \times (\text{FT Cost})]}{[1.8 \times (\text{FT Wear Factor}) \times (\text{Maximum Tire Life Hours})]}$$

[1.a.(9)(a)]
[1.c.(9)(a)]
[Appendix G]

$$[1.5 \times (\$0.00)] / [1.8 \times (0.00) \times (0 \text{ /hr})]$$

= \$ 0.00 /hr

(2) Drive Tires (DT):

$$\frac{[1.5 \times (\text{DT Cost})]}{[1.8 \times (\text{DT Wear Factor}) \times (\text{Maximum Tire Life Hours})]}$$

[1.a.(9)(b)]
[1.c.(9)(b)]
[Appendix G]

$$[1.5 \times (\$0.00)] / [1.8 \times (0.00) \times (0 \text{ /hr})]$$

= \$ 0.00 /hr

(3) Trailing Tires (TT):

$$\frac{[1.5 \times (\text{TT Cost})]}{[1.8 \times (\text{TT Wear Factor}) \times (\text{Maximum Tire Life Hours})]}$$

[1.a.(9)(c)]
[1.c.(9)(c)]
[Appendix G]

$$[1.5 \times (\$0.00)] / [1.8 \times (0) \times (0 \text{ /hr})]$$

= \$ 0.00 /hr

(4) Total Tire Wear Cost:
[Sum 5.e.(1) through 5.e.(3)]

Total [5.e.] = \$ 0.00 /hr

f. Tire Repair Cost:

$$(\text{Total Tire Wear Cost}) \times 0.15 \times (\text{LAF})$$

[5.e.(4)]
[Appendix B]

$$(\$0.00 \text{ /hr}) \times 0.15 \times (0.00)$$

Total [5.f.] = \$ 0.00 /hr

g. **TOTAL HOURLY OPERATING COST:**
[Sum 5.a. through 5.f.]

TOTAL [5.] = \$ 0.00 /hr

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

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)]

[(\$12.93 /hr) x 0.50] + (\$2.57 /hr)

= \$ _____ 9.04 /hr

See Chapter 3 if rate adjustments are necessary.

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

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)			
<u>Region</u>	<u>Type of Dredging Operation</u>		
	<u>Pipeline</u>	<u>Bucket</u>	<u>Hopper</u>
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:

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

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:

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

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:

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

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:

$$\text{Hourly Fuel Cost} = \text{Horsepower} \times \text{Fuel Cost/Gallon} \times \text{Engine Fuel Factor}$$

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 does not include an allowance for the oiler normally assigned to the dredge or other piece of dredging plant. The formula is expressed as follows:

$$\text{Water, Lube, and Supply Cost} = \text{WLS factor} \times \text{Hourly Fuel Cost}$$

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:

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

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 was purchased new in 1987 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	
<u>Hydraulic Dredges - Pipeline</u>												
(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
<u>Barge Mounted Booster Pump</u>												
(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
WLS = Water, Lube and Supplies

HPF = Horsepower Factor
RPR = Repairs

G = Gas

D = Diesel

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	
<u>Mechanical Dredges (Large)¹</u>												
Clamshell - under 5 cy	8	16,000	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
<u>Barge Mounted Crane with Clamshell Bucket</u>												
<u>Non - Dredging</u>												
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
<u>Barge Mounted Lifting Crane</u>												
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
<u>Barges (Used with Dredging)</u>												
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

WLS = Water, Lube and Supplies

¹ Sized by the largest bucket used (normally a mud bucket)

HPF = Horsepower Factor

RPR = Repairs

G = Gas

D = Diesel

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												
<u>Tugs and Tenders</u> (Used with Dredging)												
Under 500 hp	8	16,000	0.10	80	0.083	0.045	70	0.072	0.039	32	38	80
500 through 1,000 hp	10	20,000	0.10	80	0.083	0.045	70	0.072	0.039	32	38	90
1,000 through 2,000 hp	15	55,000	0.10	80	0.083	0.045	70	0.072	0.039	32	38	100
2,000 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
<u>Pipeline and Accessories</u> (Inland Environment)												
<u>Metal Pipeline (under 20 inch)</u>												
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
<u>Metal Pipeline (20 inch and Larger)</u>												
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	12,000	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

SLV = Salvage Value
WLS = Water, Lube and Supplies

HPF = Horsepower Factor
RPR = Repairs

G = Gas

D = Diesel

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	
<u>Pipeline and Accessories (Ocean Environment)</u>												
<u>Metal Pipeline (All sizes)</u>												
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
<u>Metal Pipeline On-Shore</u>												
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
WLS = Water, Lube and Supplies

HPF = Horsepower Factor
RPR = Repairs

G = Gas

D = Diesel

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 | <u>200 hp</u> |
| | Total Secondary Hp | 2,475 hp |

- | | | |
|-----|----------------------|----------------|
| e. | Plant Value | |
| (1) | Acquisition Price | \$3,700,000.00 |
| (2) | Capital Improvements | <u>\$0.00</u> |
| | Total Plant Value | \$3,700,000.00 |

- | | | |
|----|--|-----------|
| f. | Acquisition Year | 1987 |
| g. | Year of Use | 2003 |
| 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

2. APPENDIX B DATA:			
a.	LAF	0.830	
b.	Fuel Type	Diesel (Off-Road)	
	Fuel Cost per Gallon (gal)	\$1.34	/gal
3. APPENDIX E DATA: (EK 105)			
a.	Economic Index for Acquisition Year	3,886	<for 1987>
b.	Economic Index for Year of Use	6,022	<for 2003>
4. TIME AVAILABLE TO DREDGE: (Refer to paragraph 4-3)			
	Months Available per year	9	mos/yr
<i>(Months available per year based on Atlantic Coast and Tributaries Region, figure 4-1)</i>			
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: = $(1.0 - \text{SLV}) / N$ $(1.0 - 0.10) / 25.00$	=	3.60%
b.	Yearly CMR Percent = $[(N - 1)(1 + \text{SLV}) + 2] \times \text{Discounted Money Rate} / 2N$ $[(25.00 - 1)(1 + 0.10) + 2] \times 3.400\% / (2 \times 25.00)$	=	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) $(\$3,700,000.00 \times 5.53\%)$	=	\$204,610.00 /yr
b.	Monthly Ownership Cost: = (Yearly Ownership Cost/Months Available per Year) $(\$204,610.00 / \text{yr} / 9 \text{mos/yr})$	=	\$22,734.00 /mo
Figure 4-2. Dredging Plant Ownership and Operating Rate Worksheet (Continued)			

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 \$1.34 /gal)	=	\$224.92 /hr
	(2) Secondary Engine Fuel: (0.039 x 2,475 hp x \$1.34 /gal)	=	\$129.34 /hr
b.	Hourly Water, Lube, and Supply Cost = (WLS factor x Hourly Fuel Cost)		
	(1) Prime Engine WLS: (0.22 x \$224.92)	=	\$49.48 /hr
	(2) Secondary Engine WLS: (0.22 x \$129.34)	=	\$28.45 /hr
c.	Hourly Repair Cost:		
	(1) EAF: = (Economic Index for Year of Use / Economic Index for Acquisition Year) (6022 <for 2003> / 3886 <for 1987>)	=	1.550
	(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 1.550 x 0.830) / 130,000 hr	=	\$47.60 /hr
d.	Total Hourly Operating Cost: = (Fuel + WLS + Repairs) (\$224.92 + \$129.34 + \$49.48 + \$28.45 + \$47.60)	=	\$479.79 /hr
e.	Monthly Operating Cost: = (Total Hourly Operating Cost x Hours Worked per/Month) (\$479.79 /hour x 500 hours/month)	=	\$239,895.00 /mo
9. SUBTOTAL MONTHLY COST = (OWNERSHIP + OPERATING):			
	(\$22,734.00 /month + \$239,895.00 /month)	=	\$262,629.00 /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)			

10. ESTIMATED ADDITIVE ITEMS (Continued):		
f. Subtotal – Estimated Additive Items		\$8,000.00 /mo
11. TOTAL MONTHLY COST (Items 9 + 10.f.):		\$270,629.00 /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 <u>applicable to dredges only</u> .		
d. Generator Fuel Allowance: = ((Generator Hp / Total Secondary Hp) x Secondary Fuel Cost) ((200 Hp / 2,475 Hp) x \$129.34)		= \$10.45 /hr
e. Total Hourly Standby Allowance: = (Standard Hourly Standby Cost + Generator Fuel Allowance) (\$31.14 + \$10.45)		= \$41.59 /hr
Figure 4-2. Dredging Plant Ownership and Operating Rate Worksheet (Continued)		
		Page 4 of 4

APPENDIXES

- Appendix A References
- Appendix B Area Factors
- Appendix C Guide for Selecting Operating Conditions
- Appendix D Equipment Hourly Expense Calculation Factor
- Appendix E Economic Indexes for Construction Equipment
- Appendix F Tire Description and Tire Cost
- Appendix G Tire Life and Tire Wear Factors
- Appendix H Manufacturer List
- Appendix I Federal Cost-of-Money Rate
- Appendix J Equipment Accessories
- Appendix K Acronyms
- Appendix L Ground Engaging Component Costs Included in Repairs (RCF)

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. 2001. *Contract Pricing*, Government Printing Office, Washington, DC.

_____. 30.101. 2003. *Cost Accounting Standards*, Part 30, Government Printing Office, Washington, DC.

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_____. 31.205-10. 2003. *Cost of Money*, Government Printing Office, Washington, DC.

_____. 31.205-24. 2003. *Maintenance and Repair Costs*, Government Printing Office, Washington, DC.

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_____. 49.000. 2003. *Termination of Contracts*, Government Printing Office, Washington, DC.

_____. 52.230-2. 1998. *Cost Accounting Standards*, Government Printing Office, Washington, DC.

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SECTION II: RELATED PUBLICATIONS

Caterpillar Inc. 1999. *Caterpillar Performance Handbook*, 30th ed, Peoria, Illinois.

_____. 2000. *Caterpillar Performance Handbook*, 31st ed, Peoria, Illinois.

_____. 2001. *Caterpillar Performance Handbook*, 32nd ed, Peoria, Illinois.

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_____. *Petroleum Marketing Monthly*, Washington, DC.

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_____. 2002. *Green Guide Volume I*, San Jose, California.

_____. 2002. *Green Guide Volume II*, San Jose, California.

_____. 2002. *Contractor's Equipment Cost Guide*.

_____. 2002. *Cost Reference Guide*.

Euclid, Inc. 1981. *Euclid Hauler Handbook*, 14th ed, Cleveland, Ohio.

Fiat-Allis Construction Machinery, Inc. 1983. *Owning and Operating Costs*, Springfield, Illinois.

Goodyear Tire and Rubber Company. 2002. *Bulletin B300*, Akron, Ohio.

International Harvester, Pay Line Division. 1975. *Earthmoving Principles*, Schaumburg, Illinois.

Koehring Company. 1981. *Application Manual for Hydraulic Excavators and Shovels*, 1st ed, Milwaukee, Wisconsin.

Nichols, H L Jr. 1999. *Moving the Earth*, 4th ed, North Castle Books, Greenwich, Connecticut.

R S Means Company, Inc. *Means 2003 Labor Rates for the Construction Industry*, 30th ed., Kingston, Massachusetts.

Terex Corporation. 1981. *Production and Cost Estimating of Material Movement with Earthmoving Equipment*, Hudson, Ohio.

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

ENGINEER FAR SUPPLEMENT

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

U.S. Government periodicals are sold by the Office of the Superintendent of Documents. Orders may be placed by mail from the following address:

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

Orders may be placed by telephone or fax (Visa/Mastercard is accepted).
Telephone: 866-512-1800 (D.C. area: 202-512-1800). Fax: 202-512-2250.

Orders may also be placed electronically at Internet address
<http://bookstore.gpo.gov/>.

Regional government bookstores can also be contacted for orders (see the following list).

RETURN POLICY: Publications are not accepted for exchange or credit unless an error was made in filling your order .

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

REGIONAL BOOKSTORES

WASHINGTON:

710 North Capitol St. NW
Washington, DC 20401
202-512-0132

WAREHOUSE SALES OUTLET:

3660 Cherry Lane
Laurel, MD 20707
301-953-7974

ATLANTA:

First Union Plaza
999 Peachtree Street Northeast, Suite 120
Atlanta, GA 30309
404-347-1900

DENVER: 1660 Wynkoop Street, Suite 130
Denver, CO 80202
303-844-3964

DETROIT: Suite 160, Federal Building
477 Michigan Avenue
Detroit, MI 48226
313-226-7816

HOUSTON: Wells Fargo Center, 801 Travis Street
Suite 120
Houston, TX 77002
713-228-1187

JACKSONVILLE: 100 West Bay Street, Suite 100
Jacksonville, FL 32202
904-353-0569

KANSAS CITY: 120 Bannister Mall
5600 East Bannister Road
Kansas City, MO 64137
816-765-2256

LOS ANGELES: ARCO Plaza, Level C
505 South Flower Street
Los Angeles, CA 90071-2181
213-239-9844

MILWAUKEE: Reuss Federal Plaza, Suite 150W
310 West Wisconsin Avenue
Milwaukee, WI 53203-2228
414-297-1304

NEW YORK: Room 2-120, Federal Building
26 Federal Plaza
New York, NY 10278
212-264-3825

PITTSBURGH: Room 118, Federal Building
1000 Liberty Avenue
Pittsburgh, PA 15222
412-395-5021

PORTLAND: 1305 Southwest First Avenue
Portland, OR 97201-5801
503-221-6217

PUEBLO:

Wells Fargo Building
Norwest Banks Building
201 West 8th Street
Pueblo, CO 81003
719-544-3142

SEATTLE:

Room 194, Federal Building
915 Second Avenue
Seattle, WA 98174
206-553-4270

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)

	<u>No.</u>	<u>Size/Ply</u>	<u>Unit Price</u>	<u>Cost</u>
(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): _____

2. **EQUIPMENT VALUE**

- a. List Price + Accessories: *[at Year of Manufacture]* = \$ _____
- (1) Discount: (List Price + Accessories) x (Discount Code)
(\$ _____ + \$ _____) x (_____)^[1.c.(3)] = -(\$ _____)
- (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

4. **OWNERSHIP COST (Continued)**

b. Facilities Capital Cost of Money (FCCM):

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

$$\frac{[(\text{_____ yr}) - 1.0] \times [1.0 + (\text{_____})] + 2.0}{[2.0 \times (\text{_____ yr})]}$$

$$= \text{_____ (AVF)}$$

(2)
$$(\text{TEV}) \times (\text{AVF}) \times (\text{Adjusted Cost - of - Money}) / (\text{WHPY})$$
[2.c.] [4.b.(1)] [Appendix B] [Appendix B]

$$(\$ \text{_____}) \times (\text{_____}) \times (\text{_____}) / (\text{_____ hr/yr})$$

$$= \$ \text{_____ /hr}$$

c. **TOTAL HOURLY OWNERSHIP COST: TOTAL [4.]:**
$$= \$ \text{_____ /hr}$$

[4.a.(2)] + [4.b.(2)]

5. **OPERATING COST**

a. Fuel Costs:

(1) Equipment:

$$(\text{Fuel Factor} \times (\text{Horsepower (hp)}) \times (\text{Fuel Cost Per Gallon (gal)}))$$
[1.c.(6)] [1.a.(5)] [Appendix B]

$$(\text{_____}) \times (\text{_____ hp}) \times (\$ \text{_____ / gal}) = \$ \text{_____ /hr}$$

(2) Carrier:

$$(\text{Fuel Factor}) \times (\text{Horsepower}) \times (\text{Fuel Cost Per Gallon})$$
[1.c.(7)] [1.a.(6)] [Appendix B]

$$(\text{_____}) \times (\text{_____ hp}) \times (\$ \text{_____ /gal}) = \$ \text{_____ /hr}$$

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

b. FOG Cost:

(1) Equipment:

$$(\text{FOG Factor}) \times (\text{Equipment Fuel Cost}) \times (\text{Labor Adjustment Factor (LAF)})$$
[1.c.(8)] [5.a.(1)] [Appendix B]

$$(\text{_____}) \times (\$ \text{_____ /hr}) \times (\text{_____}) = \$ \text{_____ /hr}$$

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.

APPENDIX B AREA FACTORS

APPENDIX B
AREA FACTORS

SOUTHEAST
Region: 3

Total State Sales or Import Tax Rate:	8.20%
Working Hours Per Year (WHPY):	1,530 hrs/yr
Labor Adjustment Factor (LAF):	0.83
Electricity Cost Per Kilowatt-Hour:	\$0.065 /kW-Hr
Gasoline Cost Per Gallon:	\$1.51 /gal
Diesel Cost Per Gallon (Off-Road Use):	\$1.34 /gal
Diesel Cost Per Gallon (On-Road Use):	\$1.59 /gal
Cost-of-Money Rate (Full Rate):	4.250%
Cost-of-Money Rate (Adjusted):	3.400%

Freight Rates

over	0	cwt	thru	240	\$7.00
over	240	cwt	thru	300	\$6.32
over	300	cwt	thru	400	\$5.65
over	400	cwt	thru	500	\$5.10
over	500	cwt	thru	700	\$4.55
over	700	cwt	thru	800	\$5.39
over	800	cwt	thru	99,999	\$5.32

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.

										Freight Cost													
Reg		SST	WHPY	LAF	Elec	Gas	D-Off	D-On		Thru CWT \$	Thru CWT \$	Thru CWT \$	Thru CWT \$	Thru CWT \$	Thru CWT \$	Thru CWT \$	Thru CWT \$	Thru CWT \$	Thru CWT \$				
1	NORTHEAST	2003	5.50%	1360	1.15	\$0.099	\$1.64	\$1.43	\$1.70	240	\$8.05	300	\$7.27	400	\$6.49	500	\$5.86	700	\$5.24	800	\$5.50	99,999	\$7.71
2	MIDEAST	2003	5.50%	1450	1.04	\$0.066	\$1.61	\$1.36	\$1.63	240	\$5.85	300	\$5.28	400	\$4.72	500	\$4.26	700	\$3.80	800	\$3.99	99,999	\$5.87
3	SOUTHEAST	2003	8.20%	1530	0.83	\$0.065	\$1.51	\$1.34	\$1.59	240	\$7.00	300	\$6.32	400	\$5.65	500	\$5.10	700	\$4.55	800	\$5.39	99,999	\$5.32
4	NORTHCENTRAL	2003	5.60%	1260	1.04	\$0.063	\$1.65	\$1.40	\$1.65	240	\$6.01	300	\$5.43	400	\$4.85	500	\$4.38	700	\$3.91	800	\$3.82	99,999	\$3.38
5	MIDWEST	2003	7.60%	1400	0.98	\$0.061	\$1.57	\$1.38	\$1.63	240	\$5.04	300	\$4.55	400	\$4.06	500	\$3.67	700	\$3.28	800	\$3.52	99,999	\$3.53
6	SOUTHWEST	2003	8.70%	1590	0.88	\$0.064	\$1.54	\$1.33	\$1.57	240	\$5.58	300	\$5.04	400	\$4.50	500	\$4.07	700	\$3.63	800	\$3.65	99,999	\$3.08
7	WEST	2003	7.80%	1630	1.17	\$0.081	\$1.65	\$1.49	\$1.74	240	\$7.87	300	\$7.11	400	\$6.35	500	\$5.73	700	\$5.12	800	\$5.42	99,999	\$4.26
8	NORTHWEST	2003	5.80%	1540	1.09	\$0.064	\$1.66	\$1.47	\$1.71	240	\$9.50	300	\$8.58	400	\$7.66	500	\$6.92	700	\$6.18	800	\$6.60	99,999	\$5.27
9	ALASKA	2003	0.00%	1040	1.22	\$0.104	\$1.74	\$1.47	\$1.71	240	\$21.68	300	\$19.58	400	\$17.48	500	\$15.79	700	\$14.10	800	\$15.17	99,999	\$11.80
10	HAWAII	2003	4.00%	1480	1.23	\$0.134	\$2.00	\$1.64	\$1.92	240	\$22.00	300	\$20.46	400	\$18.96	500	\$17.66	700	\$16.39	800	\$16.03	99,999	\$10.58
11	PUERTO RICO	2003	6.60%	1560	0.74	\$0.130	\$1.51	\$1.34	\$1.59	240	\$15.80	300	\$14.61	400	\$13.43	500	\$12.44	700	\$11.46	800	\$10.87	99,999	\$11.89
12	KWAJALEIN	2003	4.00%	1390	1.18	\$0.130	\$1.40	\$1.26	\$1.26	240	\$22.00	300	\$20.46	400	\$18.96	500	\$17.66	700	\$16.39	800	\$16.03	99,999	\$10.58

SST = State Sales tax **WHPY = Work Hours Per Year** **LAF = Labor Adjustment Factor** **Elec = Electricity 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
<p><u>B25 and B35:</u> Buckets Clamshell or Dragline</p> <p>Depreciation Period:</p>	<p>Working in gravels, silts, and sands at low impact freshwater environment.</p> <p>8,000 - 10,000 hours</p>	<p>Working in rock, hard digging, high impact, or saltwater environment.</p> <p>6,500 - 8,000 hours</p>
<p><u>C80 and C90:</u> Cranes Hydraulic, Truck Mounted Mechanical, Truck Mounted</p> <p>Depreciation Period:</p>	<p>Lift less than rated capacity, intermittent duty.</p> <p>14,000 - 20,000 hours</p>	<p>Continuous lift near rated capacity, excessive swing, abrasive materials, sloped surfaces, and saltwater environment.</p> <p>12,000 - 18,000 hours</p>
<p><u>C85:</u> Cranes Mechanical Dragline, Lifting, or Clamshell Crawler Mounted</p> <p>Depreciation Period:</p>	<p>Gravels, silts, pull, and lift less than rated capacity.</p> <p>14,000 - 22,000 hours</p>	<p>Highly abrasive materials, impact breakout, continuous load near rated capacity, and saltwater environment.</p> <p>12,000 - 18,000 hours</p>
<p><u>G10:</u> Generators</p> <p>Depreciation Period:</p>	<p>Working below rated capacity, good field conditions.</p> <p>8,000 - 10,000 hours</p>	<p>Working at or above rated capacity, poor field conditions, such as saltwater.</p> <p>7,000 - 8,000 hours</p>

APPENDIX C		
GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)		
EQUIPMENT TYPE	AVERAGE	SEVERE
<p><u>G15:</u> Graders, Motor</p> <p>Depreciation Period:</p>	<p>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.</p> <p>14,500 hours</p>	<p>Maintenance of hard-packed roads with embedded rock; heavy fill spreading; ripping scarifying of asphalt or concrete; continuous high load factor; and high impact.</p> <p>13,500 hours</p>
<p><u>H25:</u> Hydraulic Excavators Crawler Mounted</p> <p>Depreciation Period:</p>	<p>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.</p> <p>8,500 - 19,000 hours</p>	<p>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.</p> <p>7,000 – 15,000 hours</p>
<p><u>H30:</u> Hydraulic Excavators Wheel Mounted</p> <p>Depreciation Period:</p>	<p>Continuous digging in sandy clay/sandy gravel, site development, and lumber yard applications.</p> <p>8,000 - 10,000 hours</p>	<p>Continuous digging in rock/natural bed clay, high impact, using hammer, and working in forests or quarries.</p> <p>6,500 - 8,000 hours</p>

APPENDIX C		
GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)		
EQUIPMENT TYPE	AVERAGE	SEVERE
<p><u>H35:</u> Hydraulic Shovels Crawler Mounted (nonelectric)</p> <p>Depreciation Period:</p>	<p>Continuous loading in well shot rock or fairly tight bank. Good underfoot conditions: dry floor, little impact, or sliding on undercarriage.</p> <p>14,000 - 18,000 hours</p>	<p>Continuous loading in poorly shot rock, virgin, or lightly blasted tight banks. Adverse underfoot conditions: rough floors, high impact sliding on undercarriage; and saltwater environment.</p> <p>12,000 - 16,000 hours</p>
<p><u>L10:</u> Land Clearing Equipment</p> <p>Depreciation Period:</p>	<p>Working in low impact conditions at or below rated capacity.</p> <p>10,000 hours</p>	<p>High impact conditions working at or above rated capacity.</p> <p>7,000 hours</p>
<p><u>L30:</u> Loaders, Belt (conveyors)</p> <p>Depreciation Period:</p>	<p>Working below rated capacity, with intermittent service.</p> <p>10,000 hours</p>	<p>Working at or above rated capacity with continuous service.</p> <p>8,000 hours</p>

APPENDIX C		
GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)		
EQUIPMENT TYPE	AVERAGE	SEVERE
<p><u>L35:</u> Loaders, Front End Crawler Type</p> <p>Depreciation Period:</p>	<p>Bank excavation, intermittent ripping, basement digging of natural bed clays, sands, silts, and gravels; some traveling; and steady full throttle operations.</p> <p>10,000 hours</p>	<p>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.</p> <p>8,000 hours</p>
<p><u>L40:</u> Loaders, Front End Wheel Type (does not include skid steer and tool carriers)</p> <p>Depreciation Period:</p>	<p>Continuous truck loading from stockpile; low to medium density materials in properly sized bucket; hopper charging in low to medium rolling resistance; loading from bank in good digging; and load and carry on poor surfaces and slight adverse grades.</p> <p>9,250 - 13,500 hours</p>	<p>Loading shot rock (large loaders); handling high density materials with counterweighted machine; steady loading from very tight banks; continuous work on rough or very soft surfaces; load and carry in hard digging; travel longer distances on poor surfaces with adverse grades and saltwater environment.</p> <p>8,750 - 12,000 hours</p>
<p><u>L45 and L50:</u> Loaders with Backhoe Crawler Type and Wheel Type</p> <p>Depreciation Period:</p>	<p>Utility applications in medium to heavy soil; occasional use of constant flow implements and dig depths to 3.05 meters (10 feet).</p> <p>8,000 hours</p>	<p>Production applications or digging in rock; regular use of constant flow implements; and dig depths over 3.05 meters (10 feet).</p> <p>6,000 hours</p>

APPENDIX C		
GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)		
EQUIPMENT TYPE	AVERAGE	SEVERE
<p><u>L60:</u> Log Skidders</p> <p>Depreciation Period:</p>	<p>Continuous turning, steady skidding for medium distances with moderate decking. Good underfooting: dry floor with few stumps and gradual rolling terrain.</p> <p>10,000 hours</p>	<p>Continuous turning, steady skidding for long distances with frequent decking; poor underfoot conditions: wet floor, steep slopes, and numerous stumps; and saltwater environment.</p> <p>8,000 hours</p>
<p><u>M10 - .31 and .32:</u> Clamshell dredges < 5 cy Amphibious Excavator</p> <p>Depreciation Period:</p>	<p>Gravel, silts, breakout force at less than capacity, freshwater conditions.</p> <p>10,000 - 20,000 hours</p>	<p>Rock, abrasive materials, load at rated capacity, saltwater conditions.</p> <p>9,000 - 18,000 hours</p>
<p><u>M10 - .51 and .53:</u> Boats, Skiffs, Crew Boats, Work Boats, Survey Boats, and Launches</p> <p>Depreciation Period:</p>	<p>Freshwater applications, light waves, and steady to light use.</p> <p>16,000 - 18,000 hours</p>	<p>Saltwater use, medium to high waves, heavy use.</p> <p>13,000 - 15,000 hours</p>
<p><u>P35:</u> Pipelayers</p> <p>Depreciation Period:</p>	<p>Typical pipelayer use in operating conditions ranging from very good to severe.</p> <p>14,000 hours</p>	<p>Continuous use in deep mud or water or on rock surfaces.</p> <p>11,500 hours</p>

APPENDIX C		
GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)		
EQUIPMENT TYPE	AVERAGE	SEVERE
<p><u>R10:</u> Rippers and Bank Slopers</p> <p>Depreciation Period:</p>	<p>Light rock, medium breakout force required.</p> <p>8,000 hours</p>	<p>Hard rock, excessive wear due to high breakout force.</p> <p>6,500 hours</p>
<p><u>S10, S15, S20, and S25:</u> Scrapers Self-Propelled Tractor Drawn Soil Stabilizers</p> <p>Depreciation Period:</p>	<p>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.</p> <p>10,000 - 15,000 hours</p>	<p>High impact conditions, such as loading ripped rock; overloading, continuous high total resistance conditions; and rough haul roads.</p> <p>8,000 - 13,500 hours</p>
<p><u>T15:</u> Tractors Crawler (Dozer)</p> <p>Depreciation Period:</p>	<p>Production dozing in clays, sands, gravels, and talus rock. Push-loading scrapers, borrow pit ripping, most land clearing and skidding applications. Medium impact conditions. Production landfill work.</p> <p>10,000 - 15,000 hours</p>	<p>Heavy rock ripping; tandem ripping; pushloading and dozing in hard rock; work on rock surfaces; continuous high impact conditions; and saltwater environment.</p> <p>8,000 - 12,500 hours</p>

APPENDIX C GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)		
EQUIPMENT TYPE	AVERAGE	SEVERE
<p><u>T20:</u> Tractors Wheel Type (Dozer)</p> <p>Depreciation Period:</p>	<p>Production dozing, push loading in clays, sands, silts, loose gravels; and shovel cleanup.</p> <p>14,000 hours</p>	<p>Production dozing in rock; push loading in rocky, boulder strewn borrow pits; high impact conditions; and landfill compactor work.</p> <p>13,000 hours</p>
<p><u>T30:</u> Trenchers Chain and Wheel Type</p> <p>Depreciation Period:</p>	<p>Working in sands and silts below rated capacity of the machine.</p> <p>8,000 hours</p>	<p>Working in gravels and abrasive materials at or above the rated capacity of the machine.</p> <p>6,000 hours</p>
<p><u>T45 and T50:</u> Truck Trailers Trucks, Highway</p> <p>Depreciation Period:</p>	<p>Varying loading and road conditions; and typical construction use on a variety of jobs.</p> <p>8,000 - 12,000 hours</p>	<p>Consistently poor road conditions; and oversized loading equipment.</p> <p>6,500 - 10,000 hours</p>

APPENDIX C		
GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)		
EQUIPMENT TYPE	AVERAGE	SEVERE
<p><u>T55 and T60:</u> Truck, Off-Highway Trucks, Water, Off-Highway (Articulated and Rigid)</p> <p>Depreciation Period:</p>	<p>Varying load and haul road conditions; high rolling resistance and poor traction during part of the job; some adverse grades; some impact loads; and typical use in road building, dam construction, open-pit mining, <i>etc.</i></p> <p>12,000 - 20,000 hours</p>	<p>Continuous use on very poorly maintained haul roads, high rolling resistance, and poor traction; frequent adverse grades and high impact loads; and poorly matched loading equipment with continuous overloading.</p> <p>10,000 - 18,000 hours</p>
<p><u>W10 and W15:</u> Wagons Bottom Dump Rear Dump</p> <p>Depreciation Period:</p>	<p>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, <i>etc.</i></p> <p>12,000 hours</p>	<p>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.</p> <p>10,000 hours</p>

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			HPF	CARRIER FUEL FACTORS			FOG FACTORS			TIRE WEAR FACTORS			RCF
									E	G	D		E	G	D	E	G	D	FT	DT	TT	
A10	0.00	AGGREGATE / CHIP SPREADERS	1																			
A10	0.10	SELF-PROPELLED	10	A	B	8,000	0.20	70	.700	.070	.036	0	.000	.000	.000	.000	.254	.254	0.97	0.69	0.99	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	0.00	0.00	0.79	0.60
A15	0.00	AIR COMPRESSORS, PORTABLE	1																			
A15	0.10	ROTARY SCREW	5	A	B	10,000	0.20	75	.750	.075	.039	0	.000	.000	.000	.477	.339	.297	0.00	0.00	0.90	0.75
A15	0.20	SHOP TYPE	5	A	B	12,000	0.15	75	.750	.075	.039	0	.000	.000	.000	.477	.339	.297	0.00	0.00	0.90	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	.065	.033	0	.000	.000	.000	.477	.339	.297	0.81	0.65	0.90	1.50
A25	0.00	ASPHALT PAVING DISTRIBUTORS	10	A	B	6,000	0.10	65	.650	.065	.033	0	.000	.000	.000	.000	.339	.297	0.71	0.57	0.79	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	.070	.036	0	.000	.000	.000	.000	.339	.297	0.83	0.66	0.92	1.00
A30	0.20	TOWED	10	A	B	10,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.000	.339	.297	0.83	0.66	0.92	0.80
A30	0.30	SLURRY SEAL PAVERS (Cold mix)	10	A	B	12,000	0.20	60	.600	.060	.031	13	.130	.013	.007	.000	.250	.250	0.83	0.66	0.92	0.55
A30	0.40	MISCELLANEOUS ROAD EQUIPMENT	10	A	B	10,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.000	.339	.297	0.83	0.66	0.92	0.80
A35	0.00	ASPHALT PAVING KETTLES	10	A	B	6,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.000	.339	.297	0.76	0.60	0.84	0.80
A40	0.00	ASPHALT & CONCRETE MILLERS / PROFILERS / PLANERS	10	A	B	6,000	0.20	95	.950	.095	.050	0	.000	.000	.000	.000	.339	.297	0.83	0.66	0.92	1.00
A45	0.00	ASPHALT RECYCLERS & SEALERS	10	A	B	5,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.000	.339	.297	0.76	0.60	0.84	0.90
B10	0.00	BATCH PLANTS, ASPHALT & CONCRETE	1																			
B10	0.10	ASPHALT	10	A	B	8,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.477	.339	.297	0.60	0.60	0.84	1.00
B10	0.20	CONCRETE	10	A	B	8,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.477	.339	.297	0.60	0.60	0.84	1.00
B10	0.30	PUGMILL	10	A	B	10,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.477	.339	.297	0.60	0.60	0.84	1.00
B15	0.00	BROOMS, STREET SWEEPERS & FLUSHERS	95	A	B	8,000	0.10	65	.650	.065	.033	13	.130	.013	.007	.000	.254	.297	0.81	0.65	0.90	0.80
B20	0.00	BRUSH CHIPPERS	95	A	B	8,000	0.10	65	.650	.065	.033	0	.000	.000	.000	.000	.339	.297	0.00	0.00	0.90	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

EK=Economic Key (Appendix E)
 C=Operating Conditions (A=average, S=severe)
 DC=Discount Code (B=basic 7.5%, S=special 15%)
 RCF=Repair Cost Factor

LIFE=Economic Life
 SLV=Salvage Value
 HPF=Horsepower Factor

E=Electric Powered
 G=Gas Powered
 D=Diesel Powered

FT=Front Tire
 DT=Drive Tire
 TT=Trailing Tire

APPENDIX D EQUIPMENT HOURLY CALCULATION FACTORS

CATEGORY	SUB	DESCRIPTION	EK	C	DC	LIFE	SLV	HPF	EQUIPMENT FUEL FACTORS			HPF	CARRIER FUEL FACTORS			FOG FACTORS			TIRE WEAR FACTORS			RCF
									E	G	D		E	G	D	E	G	D	FT	DT	TT	
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	.090	.046	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	.090	.046	0	.000	.000	.000	.477	.254	.254	0.00	0.00	0.85	1.20
C10	0.20	ROLLERS, VIBRATORY	95	A	B	4,000	0.15	90	.900	.090	.046	0	.000	.000	.000	.477	.254	.254	0.00	0.00	0.85	1.20
C15	0.00	CONCRETE CLEANERS / BLASTERS	95	A	B	4,000	0.20	70	.700	.070	.036	0	.000	.000	.000	.530	.339	.297	0.00	0.00	0.90	0.90
C20	0.00	CONCRETE BUGGIES	95	A	B	4,000	0.20	70	.700	.070	.036	0	.000	.000	.000	.530	.339	.297	0.81	0.65	0.90	0.70
C25	0.00	CONCRETE FINISHERS/SCREEDS/SPREADERS	1																			
C25	0.10	FINISHERS/TROWELS	95	A	B	5,000	0.20	70	.700	.070	.036	0	.000	.000	.000	.530	.339	.297	0.00	0.00	0.90	0.80
C25	0.20	VIBRATORY SCREED	95	A	B	5,000	0.20	70	.700	.070	.036	0	.000	.000	.000	.530	.339	.297	0.00	0.00	0.90	0.80
C25	0.25	VIBRATORY LASER SCREED	95	A	B	8,000	0.30	65	.000	.065	.033	0	.000	.000	.000	.000	.450	.400	0.97	0.78	0.90	0.60
C25	0.30	MATERIAL/TOPPING SPREADERS	95	A	B	8,000	0.30	65	.000	.065	.033	0	.000	.000	.000	.000	.450	.400	0.97	0.78	0.90	0.60
C30	0.00	CONCRETE GRINDERS	95	A	B	5,000	0.20	70	.700	.070	.036	0	.000	.000	.000	.530	.339	.297	0.00	0.00	0.90	0.90
C35	0.00	CONCRETE GUNITERS / SHOTCRETTERS	95	A	B	7,000	0.25	75	.750	.075	.039	0	.000	.000	.000	.477	.339	.297	0.81	0.65	0.90	0.90
C40	0.00	CONCRETE MIXING UNITS	95	A	B	5,000	0.20	70	.700	.070	.036	0	.000	.000	.000	.530	.339	.297	0.00	0.00	0.90	0.80
C45	0.00	CONCRETE PAVING MACHINES	10	A	B	6,000	0.20	75	.750	.075	.039	0	.000	.000	.000	.000	.339	.297	0.83	0.66	0.92	1.00

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APPENDIX D EQUIPMENT HOURLY CALCULATION FACTORS

CATEGORY	SUB	DESCRIPTION	EK	C	DC	LIFE	SLV	HPF	EQUIPMENT FUEL FACTORS			HPF	CARRIER FUEL FACTORS			FOG FACTORS			TIRE WEAR FACTORS			RCF
									E	G	D		E	G	D	E	G	D	FT	DT	TT	
C55	0.00	CONCRETE PUMPS	95	A	B	8,000	0.10	70	.700	.070	.036	10	.100	.010	.006	.477	.339	.297	0.81	0.65	0.90	1.00
C60	0.00	CONCRETE SAWS (Add cost for sawblade wear)	95	A	B	6,000	0.10	90	.900	.090	.046	0	.000	.000	.000	.477	.339	.403	0.00	0.00	0.90	1.00
C65	0.00	CONCRETE VIBRATORS	5	A	B	4,000	0.10	65	.650	.065	.033	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	.075	.039	0	.000	.000	.000	.000	.339	.318	0.89	0.71	0.90	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	.065	.033	10	.100	.010	.006	.000	.403	.382	0.97	0.78	0.00	0.60
C80	0.01	UNDER 26 TON	20	S	B	12,000	0.15	85	.850	.085	.044	13	.130	.013	.007	.000	.403	.382	0.86	0.61	0.00	0.65
C80	0.02	26 TON THRU 65 TON	20	A	B	16,000	0.15	65	.650	.065	.033	10	.100	.010	.006	.000	.318	.276	0.97	0.78	0.00	0.70
C80	0.02	26 TON THRU 65 TON	20	S	B	14,000	0.15	85	.850	.085	.044	13	.130	.013	.007	.000	.318	.276	0.86	0.61	0.00	0.75
C80	0.03	66 TON THRU 125 TON	20	A	B	18,000	0.15	65	.650	.065	.033	10	.100	.010	.006	.000	.318	.276	0.97	0.78	0.00	0.80
C80	0.03	66 TON THRU 125 TON	20	S	B	16,000	0.15	85	.850	.085	.044	13	.130	.013	.007	.000	.318	.276	0.86	0.61	0.00	0.85
C80	0.04	OVER 125 TON	20	A	B	20,000	0.15	65	.650	.065	.033	10	.100	.010	.006	.000	.318	.276	0.97	0.78	0.00	0.90
C80	0.04	OVER 125 TON	20	S	B	18,000	0.15	85	.850	.085	.044	13	.130	.013	.007	.000	.318	.276	0.86	0.61	0.00	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	.055	.028	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	.072	.037	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	.055	.028	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	.072	.037	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	.055	.028	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	.072	.037	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	.055	.028	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	.072	.037	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	.040	.021	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	.052	.027	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	.040	.021	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	.052	.027	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			HPF	CARRIER			FOG			TIRE WEAR			RCF
									FUEL FACTORS	FUEL FACTORS	FUEL FACTORS		FUEL FACTORS	FUEL FACTORS	FUEL FACTORS	FUEL FACTORS	FT	DT	TT			
									E	G	D		E	G	D	E	G	D	FT	DT	TT	
C85	0.23	LIFTING, 51 TON THRU 150 TON	20	A	B	20,000	0.15	40	.400	.040	.021	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	.052	.027	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	.040	.021	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	.052	.027	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	.050	.026	10	.100	.010	.005	.000	.403	.382	0.97	0.78	0.00	0.60
C90	0.01	UNDER 26 TON	20	S	B	12,000	0.15	65	.650	.065	.033	13	.130	.013	.007	.000	.403	.382	0.86	0.61	0.00	0.65
C90	0.02	26 TON THRU 65 TON	20	A	B	16,000	0.15	50	.500	.050	.026	10	.100	.010	.005	.000	.318	.276	0.97	0.78	0.00	0.70
C90	0.02	26 TON THRU 65 TON	20	S	B	14,000	0.15	65	.650	.065	.033	13	.130	.013	.007	.000	.318	.276	0.86	0.61	0.00	0.75
C90	0.03	66 TON THRU 125 TON	20	A	B	18,000	0.20	50	.500	.050	.026	10	.100	.010	.005	.000	.318	.276	0.97	0.78	0.00	0.80
C90	0.03	66 TON THRU 125 TON	20	S	B	16,000	0.20	65	.650	.065	.033	13	.130	.013	.007	.000	.318	.276	0.86	0.61	0.00	0.85
C90	0.04	OVER 125 TON	20	A	B	20,000	0.20	50	.500	.050	.026	10	.100	.010	.005	.000	.318	.276	0.97	0.78	0.00	0.90
C90	0.04	OVER 125 TON	20	S	B	18,000	0.20	65	.650	.065	.033	13	.130	.013	.007	.000	.318	.276	0.86	0.61	0.00	0.95
C95	0.00	CRANES, TOWER	20	A	B	18,000	0.20	65	.650	.065	.033	10	.100	.010	.005	.530	.318	.276	0.00	0.00	0.90	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	.080	.041	0	.000	.000	.000	.477	.339	.297	0.62	0.44	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	.080	.041	0	.000	.000	.000	.477	.339	.297	0.62	0.44	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	.080	.041	0	.000	.000	.000	.477	.339	.297	0.62	0.44	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	.080	.041	0	.000	.000	.000	.477	.170	.254	0.00	0.00	0.00	0.85
D25	0.00	DRILLS, CORE, SKID MOUNTED (Add cost for drill steel and bit wear)	25	A	B	10,000	0.25	80	.800	.080	.041	0	.000	.000	.000	.477	.170	.254	0.00	0.00	0.90	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	.080	.041	10	.100	.010	.006	.477	.339	.297	0.67	0.57	0.80	1.00
D35	0.00	DRILLS, ROTARY BLASTHOLE (Add cost for drill steel and bit wear)	1																			

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CATEGORY	SUB	DESCRIPTION	EK	C	DC	LIFE	SLV	HPF	EQUIPMENT FUEL FACTORS			HPF	CARRIER FUEL FACTORS			FOG FACTORS			TIRE WEAR FACTORS			RCF
									E	G	D		E	G	D	E	G	D	FT	DT	TT	
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	.080	.041	10	.100	.010	.006	.005	.403	.403	0.62	0.44	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	.080	.041	10	.100	.010	.006	.011	.339	.339	0.62	0.44	0.00	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	.070	.036	10	.100	.010	.006	.530	.000	.000	0.62	0.44	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	.070	.036	10	.100	.010	.006	.530	.000	.000	0.62	0.44	0.00	0.55
F10	0.00	FORK LIFTS	95	A	B	10,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.477	.254	.254	0.87	0.78	0.90	0.75
G10	0.00	GENERATOR SETS	1																			
G10	0.10	PORTABLE	30	A	B	8,000	0.10	65	.650	.065	.033	0	.000	.000	.000	.000	.254	.254	0.00	0.00	0.90	0.60
G10	0.10	PORTABLE	30	S	B	7,000	0.10	85	.850	.085	.044	0	.000	.000	.000	.000	.254	.254	0.00	0.00	0.90	0.70
G10	0.20	SKID MOUNTED	30	A	B	10,000	0.10	65	.650	.065	.033	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	.085	.044	0	.000	.000	.000	.000	.254	.254	0.00	0.00	0.90	0.80
G15	0.00	GRADERS, MOTOR	35	A	B	14,500	0.25	60	.600	.060	.031	0	.000	.000	.000	.000	.212	.360	0.89	0.71	0.00	0.75
G15	0.00	GRADERS, MOTOR	35	S	B	13,500	0.25	78	.780	.078	.040	0	.000	.000	.000	.000	.212	.360	0.71	0.51	0.00	0.85
H10	0.00	HAMMERS, HYDRAULIC (Demolition tool) (Add cost for point wear)	95	A	B	6,000	0.20	65	.650	.065	.033	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	.065	.033	0	.000	.000	.000	.530	.254	.254	0.00	0.00	0.90	0.80
H13	0.12	COMPACTORS (Compression force) OVER 50 TONS	95	A	B	12,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.530	.254	.254	0.00	0.00	0.90	0.90
H13	0.21	FILTER PRESSES, STATIONARY	95	A	B	10,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.530	.254	.254	0.00	0.00	0.90	0.90
H13	0.22	FILTER PRESSES, MOBILE	95	A	B	10,000	0.15	65	.650	.065	.033	0	.000	.000	.000	.530	.254	.254	0.00	0.00	0.90	0.80
H13	0.30	CENTRIFUGES	95	A	B	4,000	0.20	65	.650	.065	.033	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	.065	.033	0	.000	.000	.000	.477	.339	.297	0.00	0.00	0.90	0.90
H13	0.51	SOIL TREATMENT PLANT, MOBILE	95	A	B	10,000	0.15	65	.650	.065	.033	0	.000	.000	.000	.477	.339	.297	0.00	0.00	0.90	1.00
H13	0.61	SLUDGE PROCESSING EQUIP, SLUDGE DISPENSERS	95	A	B	10,000	0.15	65	.650	.065	.033	0	.000	.000	.000	.477	.339	.297	0.00	0.00	0.90	1.00
H13	0.71	WASTE HANDLING EQUIPMENT, DRUM HANDLING	95	A	B	4,000	0.15	65	.650	.065	.033	0	.000	.000	.000	.477	.339	.297	0.00	0.00	0.90	1.00

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									E	G	D		E	G	D	E	G	D	FT	DT	TT	
H15	0.00	HEATERS, SPACE	1																			
H20	0.00	HOISTS & AIR WINCHES	95	A	B	9,000	0.20	65	.650	.065	.033	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	.065	.033	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	.085	.044	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	.065	.033	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	.085	.044	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	60	.600	.060	.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	80	.800	.080	.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	.065	.033	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	.085	.044	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	.065	.033	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	.085	.044	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	.065	.033	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	.065	.033	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	.065	.033	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	.065	.033	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	.060	.031	10	.100	.010	.006	.000	.403	.382	0.97	0.78	0.80	0.50
H30	0.01	0 THRU 1.0 CY	65	S	B	6,500	0.25	78	.780	.078	.040	13	.130	.013	.007	.000	.403	.382	0.86	0.61	0.65	0.55
H30	0.02	OVER 1.0 CY	65	A	B	10,000	0.25	60	.600	.060	.031	10	.100	.010	.006	.000	.403	.382	0.97	0.78	0.80	0.60
H30	0.02	OVER 1.0 CY	65	S	B	8,000	0.25	78	.780	.078	.040	13	.130	.013	.007	.000	.403	.382	0.86	0.61	0.65	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	.065	.033	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	.085	.044	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	.065	.033	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	.085	.044	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	.050	.000	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			HPF	CARRIER FUEL FACTORS			FOG FACTORS			TIRE WEAR FACTORS			RCF
									E	G	D		E	G	D	E	G	D	FT	DT	TT	
H35	0.21	ELECTRIC, OVER 2.5 CY	65	S	B	16,000	0.20	65	.650	.065	.000	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	.060	.031	10	.100	.010	.006	.000	.318	.276	0.72	0.50	0.90	0.90
L10	0.00	LAND CLEARING EQUIPMENT	70	S	B	7,000	0.20	78	.780	.078	.040	13	.130	.013	.007	.000	.318	.276	0.57	0.35	0.71	1.00
L15	0.00	LANDSCAPING EQUIPMENT	95	A	B	4,000	0.15	80	.800	.080	.041	13	.130	.013	.007	.477	.254	.254	0.81	0.65	0.90	0.70
L20	0.00	LIGHTING SETS, TRAILER MOUNTED	1																			
L20	0.10	METALLIC VAPOR	95	A	B	8,000	0.20	85	.850	.085	.044	0	.000	.000	.000	.000	.254	.254	0.00	0.00	0.90	1.50
L25	0.00	LINE STRIPING EQUIPMENT	95	A	B	8,000	0.20	85	.850	.085	.044	13	.130	.013	.007	.000	.254	.254	0.72	0.50	0.90	1.20
L30	0.00	LOADERS, BELT (Conveyor belts) & ACCESSORIES	95	A	B	10,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.477	.297	.297	0.60	0.00	0.99	1.00
L30	0.00	LOADERS, BELT (Conveyor belts) & ACCESSORIES	95	S	B	8,000	0.20	85	.850	.085	.044	0	.000	.000	.000	.477	.297	.297	0.40	0.00	0.96	1.10
L35	0.00	LOADERS, FRONT END, CRAWLER TYPE	40	A	B	10,000	0.20	70	.700	.070	.036	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	.091	.047	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	.065	.033	0	.000	.000	.000	.000	.339	.445	0.70	0.42	0.00	0.70
L40	0.11	ARTICULATED, 0 THRU 225 HP	45	S	B	8,750	0.25	85	.850	.085	.044	0	.000	.000	.000	.000	.339	.445	0.41	0.22	0.00	0.80
L40	0.12	ARTICULATED, OVER 225 HP	45	A	B	13,500	0.20	65	.650	.065	.033	0	.000	.000	.000	.000	.339	.318	0.70	0.42	0.00	0.70
L40	0.12	ARTICULATED, OVER 225 HP	45	S	B	12,000	0.20	85	.850	.085	.044	0	.000	.000	.000	.000	.339	.318	0.41	0.22	0.00	0.75
L40	0.20	SKID STEER	45	A	B	8,000	0.20	70	.700	.070	.036	0	.000	.000	.000	.000	.339	.445	0.70	0.42	0.00	0.80
L40	0.21	SKID STEER ATTACHMENTS	45	A	B	4,000	0.20	65	.650	.065	.033	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	.065	.033	0	.000	.000	.000	.000	.339	.445	0.70	0.42	0.00	0.85
L40	0.31	TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP	45	S	B	9,250	0.25	85	.850	.085	.044	0	.000	.000	.000	.000	.339	.445	0.41	0.22	0.00	0.90
L40	0.32	TOOL CARRIER & TELESCOPIC HANDLERS, OVER 225 HP	45	A	B	12,000	0.15	65	.650	.065	.033	0	.000	.000	.000	.000	.339	.318	0.70	0.42	0.00	0.85
L40	0.32	TOOL CARRIER & TELESCOPIC HANDLERS, OVER 225 HP	45	S	B	10,000	0.15	85	.850	.085	.044	0	.000	.000	.000	.000	.339	.318	0.41	0.22	0.00	0.90
L45	0.00	LOADERS / BACKHOE, CRAWLER TYPE	40	A	B	8,000	0.20	70	.700	.070	.036	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	.091	.047	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	.050	.026	0	.000	.000	.000	.000	.339	.339	0.72	0.50	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			HPF	CARRIER FUEL FACTORS			FOG FACTORS			TIRE WEAR FACTORS			RCF
									E	G	D		E	G	D	E	G	D	FT	DT	TT	
L50	0.00	LOADERS / BACKHOE, WHEEL TYPE	45	S	B	6,000	0.25	70	.700	.070	.036	0	.000	.000	.000	.000	.339	.339	0.57	0.35	0.00	0.85
L55	0.00	LOADER / BACKHOE, ATTACHMENTS	95	A	B	6,000	0.20	65	.650	.065	.033	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	.065	.033	0	.000	.000	.000	.000	.254	.297	0.73	0.44	0.00	0.70
L60	0.00	LOG SKIDDERS	75	S	B	8,000	0.15	85	.850	.085	.044	0	.000	.000	.000	.000	.254	.297	0.38	0.21	0.00	0.80
M10	0.00	MARINE EQUIPMENT (NON DREDGING)	1																			
M10	0.11	AQUATIC MAINTENANCE	105	A	B	10,000	0.15	65	.650	.065	.033	0	.000	.000	.000	.477	.339	.297	0.83	0.66	0.92	0.70
M10	0.12	AQUATIC MAINTENANCE ATTACHMENTS	105	A	B	6,000	0.20	80	.800	.080	.041	0	.000	.000	.000	.000	.000	.000	0.60	0.00	0.99	0.60
M10	0.21	HYDRAULIC CUTTERHEAD DREDGE, 8" OR LESS, TRANSPORTABLE	105	A	B	16,000	0.10	80	.800	.080	.041	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	.080	.041	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	.080	.041	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	.080	.041	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	.080	.041	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	.080	.041	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	20,000	0.15	65	.650	.065	.033	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	18,000	0.15	85	.850	.085	.044	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	.065	.033	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	.085	.044	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	.080	.041	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	.000	.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			HPF	CARRIER FUEL FACTORS			FOG FACTORS			TIRE WEAR FACTORS			RCF
									E	G	D		E	G	D	E	G	D	FT	DT	TT	
M10	0.46	DUMP SCOW (NON-DREDGING)	105	A	B	90,000	0.05	20	.000	.000	.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	.000	.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	.000	.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	.065	.033	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	.085	.044	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	0.15	65	.650	.065	.033	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	0.15	85	.850	.085	.044	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	0.15	60	.600	.060	.031	50	.500	.050	.026	.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	0.15	60	.600	.060	.031	50	.500	.050	.026	.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	.065	.033	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	.065	.033	0	.000	.000	.000	.000	.339	.339	0.00	0.00	0.00	1.10
P20	0.20	PNEUMATIC (STEAM/AIR)	50	A	B	6,000	0.20	65	.650	.065	.033	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	.065	.033	0	.000	.000	.000	.000	.339	.339	0.00	0.00	0.00	1.00
P25	0.20	PNEUMATIC (STEAM/AIR)	50	A	B	6,000	0.15	65	.650	.065	.033	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	.065	.033	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	.035	.018	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	.046	.024	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	.050	.026	50	.500	.050	.026	.477	.339	.297	0.81	0.65	0.90	0.80
P45	0.00	PUMPS, GROUT	95	A	B	8,000	0.15	95	.950	.095	.049	0	.000	.000	.000	.477	.339	.297	0.81	0.65	0.90	1.00
P50	0.00	PUMPS, WATER, CENTRIFUGAL, TRASH	1																			
P50	0.11	ENGINE DRIVE	95	A	B	8,000	0.20	90	.900	.090	.046	0	.000	.000	.000	.000	.339	.403	0.00	0.00	0.90	0.90
P50	0.12	ELECTRIC DRIVE	95	A	B	8,000	0.20	90	.900	.090	.046	0	.000	.000	.000	.477	.000	.000	0.00	0.00	0.90	0.50
P50	0.21	WHEEL MOUNTED, ENGINE DRIVE	95	A	B	8,000	0.20	90	.900	.090	.046	0	.000	.000	.000	.000	.339	.403	0.00	0.00	0.90	0.90
P50	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	95	A	B	8,000	0.20	90	.900	.090	.046	0	.000	.000	.000	.477	.000	.000	0.00	0.00	0.90	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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									E	G	D		E	G	D	E	G	D	FT	DT	TT	
P55	0.00	PUMPS, WATER, SUBMERSIBLE	1																			
P55	0.01	ENGINE DRIVE	95	A	B	8,000	0.20	90	.900	.090	.046	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	.090	.046	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	.090	.046	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	.090	.046	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	.090	.046	0	.000	.000	.000	.000	.339	.403	0.00	0.00	0.90	0.90
P60	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	95	A	B	8,000	0.15	90	.900	.090	.046	0	.000	.000	.000	.477	.000	.000	0.00	0.00	0.90	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	.090	.046	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	.090	.046	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	.090	.046	0	.000	.000	.000	.000	.339	.403	0.00	0.00	0.90	0.80
P65	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	95	A	B	8,000	0.15	90	.900	.090	.046	0	.000	.000	.000	.477	.000	.000	0.00	0.00	0.90	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	.090	.046	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	.090	.046	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	.065	.033	0	.000	.000	.000	.000	.254	.254	0.76	0.60	0.84	0.70
R20	0.00	ROLLERS, STATIC, TOWED, STEEL DRUM	55	A	B	10,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.000	.254	.254	0.76	0.60	0.84	0.80
R30	0.00	ROLLERS, STATIC, SELF-PROPELLED	1																			
R30	0.01	PNEUMATIC	55	A	B	8,000	0.15	80	.800	.080	.041	0	.000	.000	.000	.000	.254	.254	0.76	0.60	0.84	0.70
R30	0.02	SMOOTH DRUM	55	A	B	10,000	0.15	80	.800	.080	.041	0	.000	.000	.000	.000	.254	.254	0.76	0.60	0.84	0.80
R30	0.03	TAMPING FOOT, LANDFILL & SOIL COMPACTORS	55	A	B	12,000	0.20	80	.800	.080	.041	0	.000	.000	.000	.000	.254	.254	0.76	0.60	0.84	0.80
R40	0.00	ROLLERS, VIBRATORY, TOWED	55	A	B	8,000	0.20	90	.900	.090	.046	0	.000	.000	.000	.000	.339	.339	0.76	0.60	0.84	0.80
R45	0.00	ROLLERS, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM	55	A	B	8,000	0.20	90	.900	.090	.046	0	.000	.000	.000	.000	.339	.339	0.76	0.60	0.84	1.10

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APPENDIX D EQUIPMENT HOURLY CALCULATION FACTORS

CATEGORY	SUB	DESCRIPTION	EK	C	DC	LIFE	SLV	HPF	EQUIPMENT FUEL FACTORS			HPF	CARRIER FUEL FACTORS			FOG FACTORS			TIRE WEAR FACTORS			RCF
									E	G	D		E	G	D	E	G	D	FT	DT	TT	
R50	0.00	ROLLERS, VIBRATORY, SELF-PROPELLED, SINGLE DRUM	55	A	B	8,000	0.25	65	.650	.065	.033	0	.000	.000	.000	.000	.339	.339	0.76	0.60	0.84	1.00
R55	0.00	ROOFING EQUIPMENT	95	A	B	6,000	0.15	60	.600	.060	.031	0	.000	.000	.000	.477	.254	.254	0.76	0.60	0.84	0.80
S10	0.00	SCRAPERS, ELEVATING	1																			
S10	0.01	0 THRU 200 HP	60	A	B	10,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.000	.000	.424	0.59	0.33	0.65	0.90
S10	0.01	0 THRU 200 HP	60	S	B	8,000	0.20	85	.850	.085	.044	0	.000	.000	.000	.000	.000	.424	0.39	0.19	0.43	1.00
S10	0.02	OVER 200 HP	60	A	B	13,000	0.25	65	.650	.065	.033	0	.000	.000	.000	.000	.000	.339	0.59	0.33	0.65	0.95
S10	0.02	OVER 200 HP	60	S	B	11,500	0.25	85	.850	.085	.044	0	.000	.000	.000	.000	.000	.339	0.39	0.19	0.43	1.00
S15	0.00	SCRAPERS, CONVENTIONAL	60	A	B	15,000	0.20	60	.600	.060	.031	0	.000	.000	.000	.000	.000	.339	0.59	0.33	0.65	0.80
S15	0.00	SCRAPERS, CONVENTIONAL	60	S	B	12,500	0.20	78	.780	.078	.040	0	.000	.000	.000	.000	.000	.339	0.39	0.19	0.43	0.85
S20	0.00	SCRAPERS, TANDEM POWERED	60	A	B	15,000	0.20	62	.620	.062	.032	62	.620	.062	.032	.000	.000	.276	0.59	0.33	0.65	0.85
S20	0.00	SCRAPERS, TANDEM POWERED	60	S	B	13,500	0.20	81	.810	.081	.042	81	.810	.081	.042	.000	.000	.276	0.39	0.19	0.43	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	0.65	0.00	0.72	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	0.50	0.00	0.55	0.75
S30	0.00	SCREENING & CRUSHING PLANTS	1																			
S30	0.10	CONVEYORS	95	A	B	10,000	0.10	65	.650	.065	.033	0	.000	.000	.000	.477	.339	.297	0.60	0.60	0.84	0.70
S30	0.10	CONVEYORS	95	S	B	8,000	0.10	78	.780	.078	.040	0	.000	.000	.000	.577	.407	.356	0.60	0.60	0.84	0.85
S30	0.20	CRUSHERS - VERTICAL & HORIZONTAL SHAFT IMPACTOR	95	A	B	25,000	0.10	65	.650	.065	.033	0	.000	.000	.000	.477	.339	.297	0.60	0.60	0.84	1.00
S30	0.20	CRUSHERS - VERTICAL & HORIZONTAL SHAFT IMPACTOR	95	S	B	15,000	0.10	78	.780	.078	.040	0	.000	.000	.000	.577	.407	.356	0.60	0.60	0.84	1.25
S30	0.21	CRUSHERS - CONE	95	A	B	25,000	0.10	65	.650	.065	.033	0	.000	.000	.000	.477	.339	.297	0.60	0.60	0.84	1.20
S30	0.21	CRUSHERS - CONE	95	S	B	15,000	0.10	78	.780	.078	.040	0	.000	.000	.000	.577	.407	.356	0.60	0.60	0.84	1.60
S30	0.22	CRUSHERS - JAW	95	A	B	25,000	0.10	65	.650	.065	.033	0	.000	.000	.000	.477	.339	.297	0.60	0.60	0.84	0.65
S30	0.22	CRUSHERS - JAW	95	S	B	15,000	0.10	78	.780	.078	.040	0	.000	.000	.000	.577	.407	.356	0.60	0.60	0.84	0.85
S30	0.30	SCREENING PLANT	95	A	B	10,000	0.10	65	.650	.065	.033	0	.000	.000	.000	.477	.339	.297	0.60	0.60	0.84	0.80
S30	0.30	SCREENING PLANT	95	S	B	8,000	0.10	78	.780	.078	.040	0	.000	.000	.000	.577	.407	.356	0.60	0.60	0.84	1.00
S35	0.00	SNOW REMOVAL EQUIPMENT	95	A	B	8,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.000	.000	.297	0.59	0.33	0.65	0.80
S40	0.00	SOIL & ROAD STABILIZERS	60	A	B	10,000	0.20	70	.700	.070	.036	0	.000	.000	.000	.000	.000	.297	0.59	0.33	0.65	0.85

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APPENDIX D EQUIPMENT HOURLY CALCULATION FACTORS

CATEGORY	SUB	DESCRIPTION	EK	C	DC	LIFE	SLV	HPF	EQUIPMENT FUEL FACTORS			HPF	CARRIER FUEL FACTORS			FOG FACTORS			TIRE WEAR FACTORS			RCF
									E	G	D		E	G	D	E	G	D	FT	DT	TT	
S40	0.00	SOIL & ROAD STABILIZERS	60	S	B	8,000	0.20	91	.910	.091	.047	0	.000	.000	.000	.000	.000	.297	0.39	0.19	0.43	0.95
S45	0.00	SPLITTERS, ROCK & CONCRETE	95	A	B	6,000	0.20	65	.650	.065	.033	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	0.00	0.00	0.84	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	0.00	0.00	0.84	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	.070	.036	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	.091	.047	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	.070	.036	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	.091	.047	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	.060	.031	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	.078	.040	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	.060	.031	0	.000	.000	.000	.000	.254	.297	0.73	0.44	0.00	0.60
T20	0.00	TRACTORS, WHEEL TYPE (DOZER)	75	S	B	13,000	0.15	78	.780	.078	.040	0	.000	.000	.000	.000	.254	.297	0.38	0.21	0.00	0.65
T25	0.00	TRACTORS, AGRICULTURAL	1																			
T25	0.10	CRAWLER	75	A	B	10,000	0.15	65	.650	.065	.033	0	.000	.000	.000	.000	.254	.297	0.73	0.44	0.00	0.85
T25	0.20	WHEEL	75	A	B	8,000	0.15	65	.650	.065	.033	0	.000	.000	.000	.000	.254	.297	0.73	0.44	0.00	0.70
T30	0.00	TRENCHERS, CHAIN TYPE CUTTER	80	A	B	8,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.000	.297	.297	0.91	0.68	0.00	0.90
T30	0.00	TRENCHERS, CHAIN TYPE CUTTER	80	S	B	6,000	0.20	85	.850	.085	.044	0	.000	.000	.000	.000	.297	.297	0.77	0.48	0.00	1.00
T35	0.00	TRENCHERS, WHEEL TYPE CUTTER	80	A	B	8,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.000	.297	.297	0.91	0.68	0.00	0.90
T35	0.00	TRENCHERS, WHEEL TYPE CUTTER	80	S	B	6,000	0.20	85	.850	.085	.044	0	.000	.000	.000	.000	.297	.297	0.77	0.48	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	.065	.033	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	.065	.033	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	.065	.033	35	.350	.035	.018	.477	.339	.339	0.00	0.00	0.65	0.70

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									E	G	D		E	G	D	E	G	D	FT	DT	TT	
T40	0.60	WATER TANKS	95	A	B	8,000	0.25	65	.650	.065	.033	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	.065	.033	0	.000	.000	.000	.477	.339	.339	0.56	0.40	0.62	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	0.00	0.00	0.65	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	0.00	0.00	0.54	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	0.00	0.00	0.65	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	0.00	0.00	0.54	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	0.00	0.00	0.65	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	0.00	0.00	0.65	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	0.00	0.00	0.65	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	0.00	0.00	0.65	0.50
T45	0.70	WATER TANKER TRAILER	95	A	B	10,000	0.25	65	.000	.065	.033	0	.000	.000	.000	.000	.297	.254	0.00	0.00	0.65	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	0.00	0.00	0.65	0.70
T45	0.90	TANK TRAILERS	95	A	B	10,000	0.25	65	.000	.065	.033	0	.000	.000	.000	.000	.297	.254	0.00	0.00	0.65	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	.015	.008	0	.000	.000	.000	.000	.297	.254	0.41	0.29	0.00	0.70
T50	0.01	0 THRU 10,000 GVW	85	S	S	6,500	0.20	20	.200	.020	.010	0	.000	.000	.000	.000	.297	.254	0.36	0.22	0.00	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	.035	.018	0	.000	.000	.000	.000	.318	.276	0.49	0.39	0.00	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	.046	.024	0	.000	.000	.000	.000	.318	.276	0.42	0.30	0.00	0.70
T50	0.03	OVER 30,000 GVW (Chassis only - Add options)	85	A	S	12,000	0.20	50	.500	.050	.026	0	.000	.000	.000	.000	.339	.297	0.51	0.38	0.57	0.65
T50	0.03	OVER 30,000 GVW (Chassis only - Add options)	85	S	S	10,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.000	.339	.297	0.43	0.29	0.48	0.75
T55	0.00	TRUCKS, OFF-HIGHWAY	1																			
T55	0.10	RIGID FRAME	90	A	B	20,000	0.15	35	.350	.035	.018	0	.000	.000	.000	.000	.000	.360	0.59	0.36	0.65	0.90
T55	0.10	RIGID FRAME	90	S	B	18,000	0.15	45	.450	.045	.023	0	.000	.000	.000	.000	.000	.360	0.39	0.21	0.43	0.95
T55	0.20	ARTICULATED FRAME	90	A	B	13,000	0.15	50	.500	.050	.026	0	.000	.000	.000	.000	.000	.200	0.59	0.36	0.65	0.80
T55	0.20	ARTICULATED FRAME	90	S	B	12,250	0.15	60	.600	.060	.031	0	.000	.000	.000	.000	.000	.200	0.39	0.21	0.43	0.85

EK=Economic Key (Appendix E)
 C=Operating Conditions (A=average, S=severe)
 DC=Discount Code (B=basic 7.5%, S=special 15%)
 RCF=Repair Cost Factor

LIFE=Economic Life
 SLV=Salvage Value
 HPF=Horsepower Factor

E=Electric Powered
 G=Gas Powered
 D=Diesel Powered

FT=Front Tire
 DT=Drive Tire
 TT=Trailing Tire

APPENDIX D EQUIPMENT HOURLY CALCULATION FACTORS

CATEGORY	SUB	DESCRIPTION	EK	C	DC	LIFE	SLV	HPF	EQUIPMENT FUEL FACTORS			HPF	CARRIER FUEL FACTORS			FOG FACTORS			TIRE WEAR FACTORS			RCF
									E	G	D		E	G	D	E	G	D	FT	DT	TT	
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	.040	.021	0	.000	.000	.000	.000	.254	.360	0.59	0.36	0.65	0.90
T56	0.10	PRIME MOVER TRACTORS	90	S	B	18,000	0.15	65	.650	.065	.033	0	.000	.000	.000	.000	.254	.339	0.39	0.22	0.43	0.95
T56	0.20	WAGONS, BOTTOM DUMP	90	A	B	15,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.000	.254	.339	0.59	0.39	0.65	0.65
T56	0.20	WAGONS, BOTTOM DUMP	90	S	B	10,000	0.20	85	.850	.085	.044	0	.000	.000	.000	.000	.254	.339	0.39	0.22	0.43	0.75
T56	0.30	WAGONS, REAR DUMP	90	A	B	12,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.000	.254	.339	0.59	0.39	0.65	0.60
T57	0.00	TRUCKS, VACUUM	95	A	B	10,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.000	.254	.297	0.81	0.65	0.90	0.80
T60	0.00	TRUCKS, WATER, OFF-HIGHWAY	90	A	B	12,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.000	.254	.339	0.73	0.55	0.81	0.70
T60	0.00	TRUCKS, WATER, OFF-HIGHWAY	90	S	B	10,000	0.20	85	.850	.085	.044	0	.000	.000	.000	.000	.254	.339	0.56	0.40	0.62	0.80
T65	0.00	TUNNEL/MINING EQUIPMENT	1																			
T65	0.10	DRIFTING & TUNNELING DRILLS	25	A	B	14,000	0.15	80	.800	.080	.041	0	.000	.000	.000	.530	.339	.297	0.67	0.57	0.00	0.90
T65	0.20	TUNNEL BORING MACHINES	95	A	B	18,000	0.15	70	.700	.000	.000	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	.000	.000	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	.080	.041	0	.000	.000	.000	.530	.339	.297	0.67	0.57	0.00	0.90
T65	0.40	ROADHEADERS & CONTINUOUS MINERS	95	A	B	16,000	0.15	70	.700	.000	.000	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	.000	.000	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	.080	.041	10	.100	.010	.006	.530	.339	.297	0.67	0.57	0.00	0.80
T65	0.61	LOADING & HAULING EQUIPMENT, DIESEL OR GAS	95	A	B	12,000	0.20	70	.700	.070	.036	0	.000	.000	.000	.000	.339	.318	0.70	0.42	0.00	0.75
T65	0.62	LOADING & HAULING EQUIPMENT, ELECTRIC	95	A	B	14,000	0.20	70	.700	.070	.036	0	.000	.000	.000	.477	.254	.254	0.70	0.42	0.00	0.70
T65	0.63	LOADING & HAULING EQUIPMENT, AIR-POWERED	95	A	B	10,000	0.25	70	.700	.070	.036	0	.000	.000	.000	.477	.339	.297	0.70	0.42	0.00	0.65
T65	0.70	LOCOMOTIVES	95	A	B	12,000	0.20	65	.650	.065	.033	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	.070	.036	13	.130	.013	.007	.477	.339	.318	0.70	0.42	0.00	0.80
W10	0.00	WAGONS, BOTTOM DUMP	90	A	B	12,000	0.15	65	.650	.065	.033	0	.000	.000	.000	.000	.254	.339	0.59	0.39	0.65	0.65
W10	0.00	WAGONS, BOTTOM DUMP	90	S	B	10,000	0.15	85	.850	.085	.044	0	.000	.000	.000	.000	.254	.339	0.39	0.22	0.43	0.75
W15	0.00	WAGONS, REAR DUMP	90	A	B	12,000	0.15	65	.650	.065	.033	0	.000	.000	.000	.000	.254	.339	0.59	0.39	0.65	0.60
W15	0.00	WAGONS, REAR DUMP	90	S	B	10,000	0.15	85	.850	.085	.044	0	.000	.000	.000	.000	.254	.339	0.39	0.22	0.43	0.70
W25	0.00	WATER & CO2 BLASTERS	1																			

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LIFE=Economic Life
SLV=Salvage Value
HPF=Horsepower Factor

E=Electric Powered
G=Gas Powered
D=Diesel Powered

FT=Front Tire
DT=Drive Tire
TT=Trailing Tire

APPENDIX D

EQUIPMENT HOURLY CALCULATION FACTORS

CATEGORY	SUB	DESCRIPTION	E K	C	DC	LIFE	SLV	HPF	EQUIPMENT			HPF	CARRIER			FOG			TIRE WEAR			RCF
									FUEL FACTORS	FUEL FACTORS	FUEL FACTORS		FUEL FACTORS	FUEL FACTORS	FUEL FACTORS	FUEL FACTORS	FT	DT	TT			
									E	G	D		E	G	D	E	G	D	FT	DT	TT	
W25	0.10	LOW PRESSURE, (< 5,000 PSI)	95	A	B	4,000	0.20	95	.950	.095	.049	0	.000	.000	.000	.424	.254	.297	0.77	0.73	0.90	1.10
W25	0.20	HIGH PRESSURE, (>= 5,000 PSI)	95	A	B	4,000	0.20	95	.950	.095	.049	0	.000	.000	.000	.424	.254	.297	0.77	0.73	0.90	1.20
W25	0.30	STEAM CLEANERS	95	A	B	4,000	0.20	95	.950	.095	.049	0	.000	.000	.000	.424	.254	.297	0.77	0.73	0.90	1.10
W25	0.40	CO2 BLASTERS	95	A	B	6,000	0.20	70	.700	.070	.036	0	.000	.000	.000	.530	.318	.371	0.77	0.73	0.90	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	0.90	0.40
W30	0.00	WATER TANKS	1																			
W30	0.10	PORTABLE WITH WHEELS	90	A	B	12,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.000	.254	.297	0.77	0.73	0.90	0.60
W30	0.20	SKID MOUNTED	90	A	B	12,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.000	.254	.297	0.00	0.00	0.90	0.50
W35	0.00	WELDERS	1																			
W35	0.10	ENGINE DRIVEN	95	A	B	8,000	0.25	80	.800	.080	.041	0	.000	.000	.000	.000	.254	.254	0.00	0.00	0.90	0.75
W35	0.20	ELECTRIC DRIVEN	95	A	B	6,000	0.20	30	.300	.030	.016	0	.000	.000	.000	.424	.000	.000	0.00	0.00	0.90	0.50

EK=Economic Key (Appendix E)
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DC=Discount Code (B=basic 7.5%, S=special 15%)
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SLV=Salvage Value
HPF=Horsepower Factor

E=Electric Powered
G=Gas Powered
D=Diesel Powered

FT=Front Tire
DT=Drive Tire
TT=Trailing Tire

APPENDIX E ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT

APPENDIX E

ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT

KEY (EK)		Note: Table 2-1 Equipment Rates are based on equipment purchased new in the year 2000 {--Projected-----}																		
		2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
5	Air Equipment	2183	2138	2093	2068	2079	2047	2078	2074	2070	2063	2053	2012	2022	2008	1963	1956	1888	1801	1730
10	Asphalt & Concrete Paving Equipment	4046	3962	3877	3769	3766	3717	3638	3589	3490	3390	3323	3248	3189	3092	3106	2967	2867	2793	2730
15	Buckets	7764	7602	7445	7254	6804	6900	6982	6930	6888	6774	6672	6638	6663	6380	5901	5640	5314	4872	4767
20	Cranes, Draglines & Clamshells - Crawler & Truck Mtd	5975	5851	5729	5582	5236	5310	5289	5225	5116	5013	4880	4783	4736	4540	4298	4152	3967	3688	3595
25	Drills	4348	4258	4169	4116	3819	3736	3683	3626	3574	3518	3394	3320	3268	3196	3163	3069	2969	2807	2792
30	Generators	4810	4711	4612	4550	4548	4529	4520	4517	4484	4511	4457	4343	4294	4234	4181	4116	3998	3773	3575
35	Graders, Motor	6436	6303	6169	6048	5979	5952	5853	5682	5544	5466	5186	5088	4946	4655	4509	4359	4219	4010	3914
40	Loaders, Track	6488	6353	6220	6082	6058	6032	5960	5792	5686	5606	5434	5257	5068	4816	4677	4555	4404	4163	3918
45	Loaders, Wheel	5988	5863	5740	5613	5591	5567	5511	5409	5303	5251	5101	4988	4894	4758	4640	4532	4409	4235	4099
50	Pile Driving Equipment	5535	5420	5306	5195	5127	5112	5062	4993	4892	4809	4700	4598	4539	4427	4305	4182	4029	3845	3745
55	Rollers	5631	5514	5395	5287	5225	5130	5204	5092	5001	4950	4851	4719	4484	4460	4668	4630	4507	4412	4217
60	Scrapers & Soil Stabilizers	6436	6303	6169	6048	5979	5952	5853	5682	5544	5466	5186	5088	4946	4655	4509	4359	4219	4010	3914
65	Shovels, Backhoes & Hydraulic Excavators	5975	5851	5729	5582	5236	5310	5289	5225	5116	5013	4880	4783	4736	4540	4298	4152	3967	3688	3595
70	Tractors, Crawlers & Attachments	6488	6353	6220	6082	6058	6032	5960	5792	5686	5606	5434	5257	5068	4816	4677	4555	4404	4163	3918
75	Tractor, Wheel	5385	5273	5159	5056	4997	4906	4833	4695	4624	4540	4527	4484	4342	4270	4186	4123	4018	3936	3862
80	Trenchers	6951	6806	6659	6525	6450	6332	6223	6042	5833	5749	5670	5509	5207	5015	4948	4886	4753	4679	4600
85	Trucks, Highway	4610	4514	4420	4309	4216	4212	4307	4216	4241	4318	4293	4190	4025	3838	3669	3546	3495	3363	3299
90	Trucks & Wagons - Off-Highway	6403	6271	6138	6027	5931	5828	5715	5651	5581	5440	5265	4979	4837	4797	4739	4617	4405	4094	3915
95	All Other Equipment	5535	5420	5306	5195	5127	5112	5062	4993	4892	4809	4700	4598	4539	4427	4305	4182	4029	3845	3745
100	All Tires & Tubes	2626	2571	2515	2430	2401	2373	2371	2400	2431	2475	2559	2517	2525	2524	2506	2470	2480	2399	2322
105	Marine Equipment	6292	6161	6022	5840	5771	5645	5556	5513	5429	5245	5036	4951	4881	4679	4438	4271	4091	3920	3886

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 2000																	
(EK)	EQUIPMENT DIVISIONS	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969
5	Air Equipment	1720	1733	1683	1695	1668	1563	1630	1521	1354	1295	1186	1165	1028	935	920	929	936	918
10	Asphalt & Concrete Paving Equipment	2687	2687	2611	2583	2620	2461	2296	2111	1941	1815	1686	1610	1451	1304	1263	1235	1163	1091
15	Buckets	4713	4640	4527	4471	4541	4313	3879	3280	2963	2738	2520	2175	1838	1430	1370	1316	1188	1062
20	Cranes, Draglines & Clamshells - Crawler & Truck Mtd	3485	3395	3339	3282	3213	3009	2782	2512	2301	2138	2010	1843	1522	1305	1260	1212	1147	1090
25	Drills	2786	2832	2803	2836	2810	2602	2265	1993	1858	1699	1638	1559	1373	1249	1184	1160	1115	1052
30	Generators	3514	3510	3400	3314	3236	3160	2817	2390	2301	2128	2053	1839	1456	1316	1293	1243	1188	1089
35	Graders, Motor	3759	3738	3645	3643	3561	3276	2992	2687	2492	2259	2109	1956	1604	1361	1244	1208	1152	1101
40	Loaders, Track	3770	3767	3791	3792	3655	3349	3061	2750	2482	2247	2053	1916	1573	1329	1219	1184	1135	1100
45	Loaders, Wheel	3991	3973	3944	3873	3788	3441	2938	2606	2375	2156	2002	1907	1584	1362	1317	1261	1197	1144
50	Pile Driving Equipment	3668	3626	3570	3519	3439	3208	2894	2562	2329	2135	1989	1852	1523	1307	1257	1218	1159	1104
55	Rollers	4151	4090	3926	3744	3431	3199	2913	2653	2396	2139	1983	1872	1556	1328	1279	1230	1178	1082
60	Scrapers & Soil Stabilizers	3759	3738	3645	3643	3561	3276	2992	2687	2492	2259	2109	1956	1604	1361	1244	1208	1152	1101
65	Shovels, Backhoes & Hydraulic Excavators	3485	3395	3339	3282	3213	3009	2782	2512	2301	2138	2010	1843	1522	1305	1260	1212	1147	1090
70	Tractors, Crawlers & Attachments	3770	3767	3791	3792	3655	3349	3061	2750	2482	2247	2053	1916	1573	1329	1219	1184	1135	1100
75	Tractor, Wheel	3820	3818	3656	3557	3530	3256	2927	2578	2319	2125	1956	1843	1498	1288	1251	1211	1152	1109
80	Trenchers	4586	4488	4431	4360	4097	3618	3153	2772	2580	2300	1894	1633	1527	1384	1316	1284	1207	1113
85	Trucks, Highway	3282	3139	3055	2934	2824	2638	2324	2108	1934	1775	1646	1524	1369	1230	1211	1185	1114	1062
90	Trucks & Wagons - Off-Highway	3840	3822	3786	3744	3662	3363	2964	2588	2364	2196	2081	1965	1568	1315	1293	1245	1190	1135
95	All Other Equipment	3668	3626	3570	3519	3439	3208	2894	2562	2329	2135	1989	1852	1523	1307	1257	1218	1159	1104
100	All Tires & Tubes	2340	2374	2421	2453	2552	2506	2369	2055	1792	1699	1615	1485	1334	1114	NA	NA	NA	NA
105	Marine Equipment	3863	3749	3633	3497	3391	3239	2922	2587	2352	2156	2008	1870	1538	1320	1269	1230	1170	1115

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
<u>LT TRUCK/RECREATIONAL VEHICLE, RADIAL</u>						
WORKHORSE RADIAL			<i>(Life = 5000 hrs)</i>			
(ABAA4)		8.00R16.5LT	8.00 x 16.50	8	TL	\$135
(ABAA1)		LT235/75R15	9.25 x 15.00	6	TL	\$120
(ABAA3)		LT265/75R16	10.40 x 16.00	8	TL	\$163
(ABAA2)		31-10.50R15LT	10.50 x 15.00	6	TL	\$148
SERVICE TRAILER - MARATHON RADIAL			<i>(Life = 5000 hrs)</i>			
(ABBF1)		ST175/80R13	7.00 x 13.00	4	TL	\$70
(ABBF3)		ST185/80R13	7.30 x 13.00	6	TL	\$81
(ABBF8)		ST205/75R15	8.00 x 15.00	6	TL	\$107
(ABBF5)		ST205/75R14	8.10 x 14.00	6	TL	\$98
(ABBF6)		ST215/75R14	8.40 x 14.00	6	TL	\$103
(ABBF9)		ST225/75R15	8.80 x 15.00	6	TL	\$118
(ABBF10)		ST225/75R15	8.80 x 15.00	8	TL	\$128
<u>LT TRUCK/RECREATIONAL VEHICLE, BIAS</u>						
WORKHORSE RIB			<i>(Life = 5000 hrs)</i>			
(ACBA1)		700-15LT	8.00 x 15.00	6	TL	\$104
(ACBA2)		700-15LT	8.00 x 15.00	8	TL	\$110
(ACBA5)		800-16.5LT	8.00 x 16.50	8	TL	\$114
(ACBA7)		875-16.5LT	8.80 x 16.50	10	TL	\$131
(ACBA4)		750-16LT	8.90 x 16.00	10	TL	\$129
(ACBA9)		950-16.5LT	9.60 x 16.50	10	TL	\$145
TRACTION HI-MILER			<i>(Life = 5000 hrs)</i>			
(ACBC1)		6.70-15LT	7.50 x 15.00	6	TL	\$103
(ACBC3)		8-14.5LT	8.00 x 14.50	12	TL	\$213
(ACBC4)		9-14.5LT	9.70 x 14.50	12	TL	\$239
CUSTOM HI-MILER			<i>(Life = 5000 hrs)</i>			
(ACBD2)		14-17.5	14.30 x 17.50	10	TL	\$775
(ACBD1)		12-16.5LT	14.60 x 16.50	12	TL	\$410
<u>OVER-THE-ROAD TRUCK, COMMERCIAL, RADIAL</u>						
COMMERICAL RADIAL LT TRUCK			<i>(Life = 5000 hrs)</i>			
(ADCA2)		LT225/75R16	7.50 x 16.00	10	TL	\$176
(ADCA14)		8R17.5	8.00 x 17.50	10	TL	\$203
(ADCA17)		8R19.5	8.00 x 19.50	10	TL	\$306
(ADCA18)		8R195	8.00 x 19.50	12	TL	\$212
(ADCA4)		LT215/85R16	8.50 x 16.00	10	TL	\$196
(ADCA3)		LT215/85R16	8.50 x 16.00	8	TL	\$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 (I)	COST PER EACH
(ADCA1)		750R16LT	8.70 x 16.00	8	TL	\$188
(ADCA13)		875R16.5	8.75 x 16.50	10	TL	\$186
(ADCA6)		LT225/75R16	8.80 x 16.00	10	TL	\$203
(ADCA19)		225/70R195	8.85 x 19.50	12	TL	\$251
(ADCA8)		LT235/85R16	9.25 x 16.00	10	TL	\$195
(ADCA15)		950R16.5LT	9.50 x 16.50	8	TL	\$156
(ADCA21)		245/70R195	9.65 x 19.50	14	TL	\$282
(ADCA11)		LT245/75R16	9.80 x 16.00	10	TL	\$204
COMMERCIAL RADIAL TRUCK TL			<i>(Life = 5000 hrs)</i>			
(ADCB1)		8.5R17.5	8.50 x 17.50	12	TL	\$210
(ADCB2)		9R17.5	9.00 x 17.50	16	TL	\$232
(ADCB5)		9R22.5	9.00 x 22.50	12	TL	\$269
(ADCB3)		10R17.5	10.00 x 17.50	16	TL	\$236
(ADCB7)		10R22.5	10.00 x 22.50	14	TL	\$349
(ADCB4)		11R17.5	11.00 x 17.50	16	TL	\$318
(ADCB8)		11R22.5	11.00 x 22.50	14	TL	\$444
(ADCB9)		11R22.5	11.00 x 22.50	16	TL	\$448
(ADCB13)		11R24.5	11.00 x 24.50	16	TL	\$481
(ADCB10)		12R22.5	12.00 x 22.50	16	TL	\$551
(ADCB14)		12R24.5	12.00 x 24.50	16	TL	\$567
LOW PROFILE RADIAL TRUCK TL			<i>(Life = 5000 hrs)</i>			
(ADCC1)		215/75R17.5	8.40 x 17.50	16	TL	\$222
(ADCC5)		245/75R22.5	9.60 x 22.50	14	TL	\$261
(ADCC3)		255/70R22.5	10.00 x 22.50	16	TL	\$315
(ADCC2)		265/70R19.5	10.40 x 19.50	14	TL	\$273
(ADCC6)		265/75R22.5	10.40 x 22.50	14	TL	\$319
(ADCC4)		275/70R22.5	10.80 x 22.50	16	TL	\$362
(ADCC12)		285/75R24.5	11.20 x 24.50	14	TL	\$460
(ADCC8)		295/75R22.5	11.60 x 22.50	16	TL	\$427
(ADCC10)		315/80R22.5	12.40 x 22.50	18	TL	\$526
SUPER SINGLE COMMERCIAL RADIAL TRUCK			<i>(Life = 5000 hrs)</i>			
(ADCD1)		385/65R22.5	15.10 x 22.50	18	TL	\$625
(ADCD2)		425/65R22.5	16.70 x 22.50	20	TL	\$707
(ADCD3)		445/65R22.5	17.50 x 22.50	20	TL	\$799
COMMERCIAL RADIAL TRUCK TT			<i>(Life = 5000 hrs)</i>			
(ADCE1)		825R15	8.25 x 15.00	14	TT	\$249
(ADCE5)	REP	825R20	8.25 x 20.00	12	TT	\$222
(ADCE6)		900R20	9.00 x 20.00	12	TT	\$309
(ADCE3)		1000R15	10.00 x 15.00	14	TT	\$321
(ADCE7)		1000R20	10.00 x 20.00	14	TT	\$350
(ADCE13)		1000R20	10.00 x 22.00	14	TT	\$351

(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 (I)	COST PER EACH
(ADCE12)		365/80R20	10.40 x 20.00	18	TT	\$547
(ADCE9)		1100R20	11.00 x 20.00	16	TT	\$422
(ADCE10)		1100R20	11.00 x 20.00	16	TT	\$493
(ADCE14)		1100R22	11.00 x 22.00	16	TT	\$509
(ADCE15)		1100R24	11.00 x 24.00	16	TT	\$493
(ADCE11)		1200R20	12.00 x 20.00	18	TT	\$523
(ADCE17)		1200R24	12.00 x 24.00	18	TT	\$543
(ADCE16)		1400R20	14.00 x 20.00	20	TT	\$806
<u>OVER-THE-ROAD TRUCK, COMMERCIAL, BIAS</u>						
COMMERCIAL BIAS PLY TRUCK TL			<i>(Life = 5000 hrs)</i>			
(AEDA1)	REP	10-22.5	10.00 x 22.50	10	TL	\$198
(AEDA2)	REP	11-22.5	11.00 x 22.50	12	TL	\$282
(AEDA3)	REP	11-24.5	11.00 x 24.50	12	TL	\$260
COMMERCIAL BIAS PLY TRUCK TT			<i>(Life = 5000 hrs)</i>			
(AEDB1)	REP	7.50-20	7.50 x 20.00	10	TT	\$125
(AEDB2)	REP	8.25-20	8.25 x 20.00	10	TT	\$150
(AEDB3)	REP	9.00-20	9.00 x 20.00	10	TT	\$181
(AEDB4)	REP	9.00-20	9.00 x 20.00	12	TT	\$201
(AEDB5)	REP	10.00-20	10.00 x 20.00	12	TT	\$240
(AEDB7)	REP	11.00-20	11.00 x 20.00	14	TT	\$323
(AEDB8)	REP	12.00-20	12.00 x 20.00	14	TT	\$433
(AEDB9)	REP	14.00-24	14.00 x 24.00	20	TT	\$816
<u>FARM, FRONT</u>						
ALL SERVICE NON DIRECTIONAL			<i>(Life = 5000 hrs)</i>			
(AFEA1)	NDCC-M	40-19-195	19.00 x 19.50	14	TL	\$955
AM IMPLEMENT			<i>(Life = 5000 hrs)</i>			
(AFEB3)	I-1	100/80-12	3.90 x 12.00	8	TL	\$246
(AFEB2)	I-1	125/80-18	4.90 x 18.00	10	TL	\$415
DRILL RIB			<i>(Life = 5000 hrs)</i>			
(AFEC1)	I-1	750-20	7.50 x 20.00	4	TL	\$206
DYNA RIB F-2-M			<i>(Life = 5000 hrs)</i>			
(AFED2)	F-2M	1000-16	10.00 x 16.00	8	TL	\$145
(AFED1)	F-2M	11L-15	11.00 x 15.00	6	TL	\$165
(AFED4)	F-2M	1100-16	11.00 x 16.00	12	TL	\$291
(AFED8)	F-2M	1100-24	11.00 x 24.00	12	TL	\$522
(AFED6)	F-2M	14L-161	14.00 x 16.10	10	TL	\$402
(AFED7)	F-2M	165L-161	16.50 x 16.10	8	TL	\$477

(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
SINGLE RIB FRONT TRACTOR F-1			<i>(Life = 5000 hrs)</i>			
(AFEE1)	F-1	600-16	6.00 x 16.00	4	TT	\$91
(AFEE2)	F-2	750-16	7.50 x 16.00	6	TL	\$91
FARM HIGHWAY SERVICE			<i>(Life = 5000 hrs)</i>			
(AFEF2)	I-1	95L-15FI	9.50 x 15.00	8	TL	\$109
(AFEF5)	I-1	11L-15FI	11.00 x 15.00	12	TL	\$158
(AFEF7)	I-1	125L-15FI	12.50 x 15.00	12	TL	\$204
FARM UTILITY			<i>(Life = 5000 hrs)</i>			
(AFEG7)	I-1	750-14	7.50 x 14.00	4	TL	\$77
(AFEG14)	I-1	760-15	7.60 x 15.00	8	TL	\$78
(AFEG8)	I-1	85L-14	8.50 x 14.00	6	TL	\$79
(AFEG1)	I-1	95L-14	9.50 x 14.00	8	TT	\$78
(AFEG17)	I-1	95L-15	9.50 x 15.00	12	TL	\$119
(AFEG18)	I-1	1000-15	10.00 x 15.00	8	TL	\$131
(AFEG11)	I-1	11L-14	11.00 x 14.00	8	TL	\$101
(AFEG22)	I-1	11L-15	11.00 x 15.00	12	TL	\$126
(AFEG20)	I-1	11L-15	11.00 x 15.00	8	TL	\$87
(AFEG34)	I-1	11L-16	11.00 x 16.00	10	TL	\$145
(AFEG25)	I-1	125L-15	12.50 x 15.00	12	TL	\$173
(AFEG30)	I-1	125L-16	12.50 x 16.00	12	TL	\$184
(AFEG29)	I-1	125L-16	12.50 x 16.00	8	TL	\$146
(AFEG28)	I-1	14L-161	14.00 x 16.10	8	TL	\$294
(AFEG31)	I-1	165L-161	16.50 x 16.10	10	TL	\$311
(AFEG32)	I-1	19L-161	19.00 x 16.10	10	TL	\$420
(AFEG26)	I-1	215L-161	21.50 x 16.10	10	TL	\$455
(AFEG27)	I-1	215L-161	21.50 x 16.10	14	TL	\$545
FOUR RIB FRONT TRACTOR F-2-M			<i>(Life = 5000 hrs)</i>			
(AFEH1)	F-2M	750-16	7.50 x 16.00	6	TT	\$102
(AFEH3)	F-2M	1000-16	10.00 x 16.00	8	TT	\$135
(AFEH4)	F-2M	1100-16	11.00 x 16.00	8	TT	\$161
HI-MILER M SS			<i>(Life = 5000 hrs)</i>			
(AFEJ2)		36-16-175	16.00 x 17.50	10	TL	\$606
IMPLEMENT RIB			<i>(Life = 5000 hrs)</i>			
(AFEK1)	I-1	400-09	4.00 x 9.00	4	TT	\$34
(AFEK11)	I-1	400-18	4.00 x 18.00	4	TT	\$59
(AFEK4)	I-1	500-15	5.00 x 15.00	4	TT	\$60
(AFEK16)	I-1	590-15	5.90 x 15.00	4	TL	\$76
(AFEK6)	I-1	600-16	6.00 x 16.00	6	TT	\$72
(AFEK7)	I-1	650-16	6.50 x 16.00	6	TT	\$81

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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	TT	\$78
(AFEK9)	I-1	750-16	7.50 x 16.00	10	TT	\$108
(AFEK12)	I-1	750-18	7.50 x 18.00	6	TT	\$121
(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	\$88
(AFEK10)	I-1	900-16	9.00 x 16.00	10	TT	\$128
(AFEK13)	I-1	900-24	9.00 x 24.00	8	TT	\$298
(AFEK14)	I-1	1125-28	11.25 x 28.00	12	TT	\$595
LABORER F-3			<i>(Life = 5000 hrs)</i>			
(AFEL6)	F-3	145/75-161	5.70 x 16.10	10	TL	\$430
(AFEL3)	F-3	800-16	8.00 x 16.00	10	TL	\$142
(AFEL2)	F-3	11L-15	11.00 x 15.00	10	TL	\$157
(AFEL4)	F-3	11L-16	11.00 x 16.00	10	TL	\$167
(AFEL5)	F-3	11L-16	11.00 x 16.00	12	TL	\$191
MULTI-RIB F-3			<i>(Life = 5000 hrs)</i>			
(AFEM1)	F-3	900-10	9.00 x 10.00	10	TT	\$132
(AFEM2)	F-3	1100-16	11.00 x 16.00	12	TL	\$278
SMOOTH			<i>(Life = 5000 hrs)</i>			
(AFEN2)		11L-15	11.00 x 15.00	10	TL	\$129
(AFEN3)		11L-15	11.00 x 15.00	12	TL	\$163
(AFEN1)	I-1	169-30	16.90 x 30.00	6	TL	\$1,296
SMOOTH IMP			<i>(Life = 5000 hrs)</i>			
(AFEO1)		400-8	4.00 x 8.00	4	TL	\$40
SOFTRAC II			<i>(Life = 5000 hrs)</i>			
(AFEP1)	I-2	165L-161	16.50 x 16.10	6	TL	\$545
(AFEP3)	I-2	215L-161	21.50 x 16.10	10	TL	\$803
SUPER RIB F-2			<i>(Life = 5000 hrs)</i>			
(AFER1)	F-2	400-12	4.00 x 12.00	4	TL	\$51
SUPER SURE GRIP G-1			<i>(Life = 5000 hrs)</i>			
(AFES2)	G-1	5-12	5.00 x 12.00	4	TL	\$49
(AFES1)	G-1	7-16	7.00 x 16.00	2	TT	\$83
(AFES4)	G-2	8-16	8.00 x 16.00	2	TL	\$126
(AFES3)	G-1	8-16	8.00 x 16.00	2	TL	\$132
SURE GRIP IMPLEMENT			<i>(Life = 5000 hrs)</i>			
(AFET1)	I-3	105/80-18	4.10 x 18.00	10	TL	\$468
(AFET2)	I-3	125/80-18	4.90 x 18.00	10	TL	\$460
SURE GRIP LUG			<i>(Life = 5000 hrs)</i>			
(AFEU2)	I-3	105/80-18	10.50 x 18.00	10	TL	\$296

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**APPENDIX F
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	\$310
(AFEU3)	I-3	125/80-18	12.50 x 18.00	10	TL	\$468
SURE GRIP TRACTION			<i>(Life = 5000 hrs)</i>			
(AFEV1)	I-3	670-15	6.70 x 15.00	4	TT	\$73
(AFEV5)	I-3	750-16	7.50 x 16.00	4	TL	\$115
(AFEV2)	I-3	750-18	7.50 x 18.00	4	TT	\$113
(AFEV3)	I-3	750-20	7.50 x 20.00	4	TT	\$168
(AFEV4)	I-3	760-15	7.60 x 15.00	6	TL	\$98
(AFEV7)	I-3	125L-15 FI	12.50 x 15.00	12	TL	\$228
(AFEV8)	I-3	165L-161	16.50 x 16.10	6	TL	\$451
(AFEV10)	I-3	215L-161	21.50 x 16.10	12	TL	\$859
TRACTION IMPLEMENT			<i>(Life = 5000 hrs)</i>			
(AFEW1)	I-3	500-15	5.00 x 15.00	4	TL	\$41
(AFEW2)	I-3	590-15	5.90 x 15.00	4	TL	\$78
TRIPLE RIB HD			<i>(Life = 5000 hrs)</i>			
(AFEX8)	F-2	550-16	5.50 x 16.00	6	TT	\$64
(AFEX10)	F-2	600-16	6.00 x 16.00	6	TT	\$64
(AFEX11)	F-2	650-16	6.50 x 16.00	6	TT	\$72
(AFEX4)	F-2	75L-15	7.50 x 15.00	6	TT	\$83
(AFEX13)	F-2	750-16	7.50 x 16.00	8	TT	\$99
(AFEX14)	F-2	750-18	7.50 x 18.00	6	TT	\$117
(AFEX5)	F-2	95L-15	9.50 x 15.00	8	TT	\$121
(AFEX16)	F-2	1000-16	10.00 x 16.00	8	TL	\$153
(AFEX6)	F-2	11L-15	11.00 x 15.00	8	TT	\$139
(AFEX17)	F-2	1100-16	11.00 x 16.00	8	TL	\$185
TRIPLE RIB R/S F-2			<i>(Life = 5000 hrs)</i>			
(AFEY2)	F-2	400-15	4.00 x 15.00	4	TT	\$44
(AFEY1)	F-2	500-15	5.00 x 15.00	4	TT	\$51
<u>FARM, REAR</u>						
ALL TRACTION R-3			<i>(Life = 5000 hrs)</i>			
(AGFA1)	R-3	750-16	7.50 x 16.00	4	TT	\$181
ALL WEATHER R-3			<i>(Life = 5000 hrs)</i>			
(AGFB2)	R-3	95-24	9.50 x 24.00	4	TT	\$310
(AGFB1)	R-3	124-16	12.40 x 16.00	12	TT	\$421
(AGFB7)	R-3	136-161	13.60 x 16.10	8	TL	\$621
(AGFB5)	R-3	136-28	13.60 x 28.00	6	TT	\$545
(AGFB3)	R-3	149-24	14.90 x 24.00	6	TL	\$506
(AGFB4)	R-3	169-24	16.90 x 24.00	6	TL	\$695
(AGFB8)	R-3	184-161	18.40 x 16.10	8	TL	\$829

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APPENDIX F
TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (I)	COST PER EACH
(AGFB10)	R-3	184-26	18.40 x 26.00	10	TL	\$879
(AGFB11)	R-3	231-26	23.10 x 26.00	10	TL	\$1,230
(AGFB12)	R-3	231-26	23.10 x 26.00	12	TL	\$1,293
(AGFB14)	R-3	245-32	24.50 x 32.00	12	TL	\$1,967
(AGFB13)	R-3	28L-26	28.00 x 26.00	12	TL	\$1,935
(AGFB15)	R-3	305L-32	30.50 x 32.00	12	TL	\$2,600
(AGFB16)	R-3	305L-32	30.50 x 32.00	24	TL	\$5,436
DT 710 RADIAL			<i>(Life = 5000 hrs)</i>			
(AGFC1)	R-1	320/75R24	12.60 x 24.00	X1	TL	\$387
(AGFC12)	R-1	136R28	13.60 x 28.00	X3	TL	\$540
(AGFC11)	R-1	149R24	14.90 x 24.00	3H	TL	\$622
(AGFC13)	R-1	149R28	14.90 x 28.00	X3	TL	\$653
(AGFC9)	R-1	155R38	15.50 x 38.00	X1	TL	\$594
(AGFC14)	R-1	169R28	16.90 x 28.00	X2	TL	\$813
(AGFC6)	R-1	169R30	16.90 x 30.00	X1	TL	\$610
(AGFC7)	R-1	184R30	18.40 x 30.00	X1	TL	\$717
(AGFC8)	R-1	184R34	18.40 x 34.00	X1	TL	\$740
(AGFC10)	R-1	184R38	18.40 x 38.00	1H	TL	\$796
DT 730 RADIAL			<i>(Life = 5000 hrs)</i>			
(AGFD1)	R-1	290/95R34	11.40 x 34.00	UK	TL	\$837
DT 800 RADIAL			<i>(Life = 5000 hrs)</i>			
(AGFE1)	R-1W	320/90R42	12.60 x 42.00	UK	TL	\$1,075
(AGFE3)	R-1W	320/90R50	12.60 x 50.00	UK	TL	\$1,421
(AGFE2)	R-1W	380/90R46	14.90 x 46.00	UK	TL	\$1,481
DT 810 RADIAL			<i>(Life = 5000 hrs)</i>			
(AGFF1)	R-1W	380/70R24	14.90 x 24.00	UK	TL	\$915
(AGFF2)	R-1W	420/70R28	16.50 x 28.00	UK	TL	\$1,135
(AGFF3)	R-1W	480/70R30	18.90 x 30.00	UK	TL	\$1,380
(AGFF4)	R-1W	520/70R30	20.50 x 30.00	UK	TL	\$1,468
DT 820 RADIAL			<i>(Life = 5000 hrs)</i>			
(AGFG2)	R-1W	600/65R28	23.60 x 28.00	UK	TL	\$1,834
(AGFG1)	R-1W	620/75R26	24.40 x 26.00	UK	TL	\$2,307
(AGFG5)	R-1W	620/70R42	24.40 x 42.00	UK	TL	\$2,249
(AGFG3)	R-1W	650/75R34	25.60 x 34.00	UK	TL	\$2,192
(AGFG4)	R-1W	710/70R38	27.90 x 38.00	UK	TL	\$2,857
DYNA TORQUE RADIAL R-1			<i>(Life = 5000 hrs)</i>			
(AGFH5)	R-1	320/85R34	12.60 x 34.00	UK	TL	\$1,099
(AGFH7)	R-1	149R30	14.90 x 30.00	X3	TL	\$890
(AGFH9)	R-1	149R34	14.90 x 34.00	X3	TL	\$1,022

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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	\$1,186
(AGFH6)	R-1	385/85R34	15.10 x 34.00	UK	TL	\$1,056
(AGFH16)	R-1	420/80R46	16.50 x 46.00	UK	TL	\$1,439
(AGFH8)	R-1	169R30	16.90 x 30.00	X3	TL	\$1,021
(AGFH2)	R-1	184R26	18.40 x 26.00	X2	TL	\$1,130
(AGFH10)	R-1	184R38	18.40 x 38.00	X1	TL	\$937
(AGFH13)	R-1	184R42	18.40 x 42.00	X2	TL	\$1,202
(AGFH17)	R-1	184R46	18.40 x 46.00	X3	TL	\$1,508
(AGFH12)	R-1	208R38	20.80 x 38.00	X1	TL	\$1,286
(AGFH14)	R-1	208R42	20.80 x 42.00	X2	TL	\$1,492
(AGFH3)	R-1	245R32	24.50 x 32.00	X3	TL	\$1,937
(AGFH4)	R-1	305LR32	30.50 x 32.00	X1	TL	\$2,171
DYNA TORQUE / DYNA TORQUE II R-1			<i>(Life = 5000 hrs)</i>			
(AGFJ28)	R-1	7-14	7.00 x 14.00	4	TL	\$110
(AGFJ1)	R-1	95-24	9.50 x 24.00	6	TT	\$234
(AGFJ29)	R-1	112-16	11.20 x 16.00	4	TL	\$226
(AGFJ3)	R-1	112-24	11.20 x 24.00	8	TT	\$330
(AGFJ5)	R-1	124-24	12.40 x 24.00	8	TT	\$355
(AGFJ38)	R-1	124-38	12.40 x 38.00	10	TL	\$670
(AGFJ6)	R-1	136-24	13.60 x 24.00	8	TT	\$422
(AGFJ41)	R-1	136-28	13.60 x 28.00	10	TL	\$477
(AGFJ11)	R-1	136-28	13.60 x 28.00	8	TT	\$379
(AGFJ21)	R-1	136-38	13.60 x 38.00	6	TL	\$408
(AGFJ7)	R-1	149-24	14.90 x 24.00	6	TL	\$438
(AGFJ31)	R-1	149-24	14.90 x 24.00	8	TL	\$457
(AGFJ42)	R-1	149-28	14.90 x 28.00	10	TL	\$598
(AGFJ22)	R-1	155-38	15.50 x 38.00	6	TT	\$449
(AGFJ8)	R-1	169-24	16.90 x 24.00	6	TT	\$480
(AGFJ39)	R-1	169-26	16.90 x 26.00	10	TL	\$975
(AGFJ43)	R-1	169-28	16.90 x 28.00	10	TL	\$811
(AGFJ14)	R-1	169-30	16.90 x 30.00	6	TT	\$479
(AGFJ37)	R-1	169-34	16.90 x 34.00	10	TL	\$718
(AGFJ23)	R-1	169-38	16.90 x 38.00	14	TT	\$1,170
(AGFJ40)	R-1	184-26	18.40 x 26.00	10	TL	\$775
(AGFJ13)	R-1	184-28	18.40 x 28.00	6	TT	\$606
(AGFJ15)	R-1	184-30	18.40 x 30.00	8	TL	\$606
(AGFJ18)	R-1	184-34	18.40 x 34.00	8	TT	\$717
(AGFJ24)	R-1	184-38	18.40 x 38.00	8	TT	\$764
(AGFJ26)	R-1	184-42	18.40 x 42.00	10	TT	\$1,175
(AGFJ19)	R-1	208-34	20.80 x 34.00	14	TT	\$1,146
(AGFJ25)	R-1	208-38	20.80 x 38.00	8	TT	\$964
(AGFJ27)	R-1	208-42	20.80 x 42.00	10	TL	\$1,935

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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	8	TL	\$852
(AGFJ16)	R-1	231-30	23.10 x 30.00	8	TT	\$1,023
(AGFJ20)	R-1	231-34	23.10 x 34.00	8	TT	\$1,561
(AGFJ35)	R-1	245-32	24.50 x 32.00	12	TL	\$1,639
(AGFJ34)	R-1	28L-26	28.00 x 26.00	12	TL	\$1,639
(AGFJ36)	R-1	305L-32	30.50 x 32.00	14	TL	\$2,566
INDUSTRIAL SURE GRIP R-4			<i>(Life = 5000 hrs)</i>			
(AGFK1)	R-4	149-28	14.90 x 28.00	8	TL	\$431
(AGFK3)	R-4	184-28	18.40 x 28.00	12	TL	\$1,084
IT510 R4			<i>(Life = 5000 hrs)</i>			
(AGFL4)	R-4	169R28	16.90 x 28.00	UK	TL	\$745
(AGFL2)	R-4	175LR24	17.50 x 24.00	UK	TL	\$927
(AGFL3)	R-4	195LR24	19.50 x 24.00	UK	TL	\$1,062
IT525 R4			<i>(Life = 5000 hrs)</i>			
(AGFM1)	R-4	149-24	14.90 x 24.00	8	TL	\$409
(AGFM4)	R-4	169-24	16.90 x 24.00	10	TL	\$584
(AGFM3)	R-4	169-24	16.90 x 24.00	6	TL	\$458
(AGFM12)	R-4	169-28	16.90 x 28.00	10	TL	\$559
(AGFM6)	R-4	175L-24	17.50 x 24.00	10	TL	\$534
(AGFM5)	R-4	184-24	18.40 x 24.00	12	TL	\$1,057
(AGFM8)	R-4	195L-24	19.50 x 24.00	12	TL	\$834
(AGFM7)	R-4	195L-24	19.50 x 24.00	8	TL	\$639
(AGFM9)	R-4	21L-24	21.00 x 24.00	10	TL	\$903
(AGFM11)	R-4	21L-24	21.00 x 24.00	16	TL	\$1,376
(AGFM14)	R-4	21L-28	21.00 x 28.00	14	TL	\$1,356
POWER TORQUE R-1			<i>(Life = 5000 hrs)</i>			
(AGFN1)	R-1	6-12	6.00 x 12.00	4	TL	\$66
(AGFN2)	R-1	72-16	7.20 x 16.00	4	TL	\$123
(AGFN4)	R-1	83-16	8.30 x 16.00	6	TL	\$146
(AGFN5)	R-1	95-16	9.50 x 16.00	6	TL	\$197
SPECIAL SURE GRIP R-2-0			<i>(Life = 5000 hrs)</i>			
(AGFO1)	R-2	136-38	13.60 x 38.00	6	TT	\$673
(AGFO2)	R-2	149-24	14.90 x 24.00	6	TL	\$657
(AGFO11)	R-2	184-26	18.40 x 26.00	10	TL	\$991
(AGFO5)	R-2	184-30	18.40 x 30.00	6	TT	\$742
(AGFO8)	R-2	184-38	18.40 x 38.00	8	TL	\$1,218
(AGFO12)	R-2	VA500/95D32	19.70 x 32.00	20	TL	\$2,218
(AGFO10)	R-2	208-38	20.80 x 38.00	10	TT	\$1,230
(AGFO3)	R-2	231-26	23.10 x 26.00	10	TL	\$1,399
(AGFO4)	R-2	28L-26	28.00 x 26.00	12	TL	\$1,721

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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	12	TL	\$2,436
SPECIAL SURE GRIP RADIAL R-2-0			<i>(Life = 5000 hrs)</i>			
(AGFP8)	R-2	320/90R46	12.60 x 46.00	X3	TL	\$1,187
(AGFP9)	R-2	340/85R46	13.40 x 46.00	UK	TL	\$1,247
(AGFP1)	R-2	169R28	16.90 x 28.00	X2	TL	\$1,225
(AGFP2)	R-2	169R30	16.90 x 30.00	X3	TL	\$1,219
(AGFP3)	R-2	184R38	18.40 x 38.00	X1	TL	\$1,354
(AGFP5)	R-2	184R42	18.40 x 42.00	X2	TL	\$1,584
(AGFP7)	R-2	184R46	18.40 x 46.00	X3	TL	\$1,750
(AGFP4)	R-2	208R38	20.80 x 38.00	X2	TL	\$1,746
(AGFP6)	R-2	208R42	20.80 x 42.00	X2	TL	\$1,834
SUPER TRACTION RADIAL R-1			<i>(Life = 5000 hrs)</i>			
(AGFQ1)	R-1W	250/80R18	9.80 x 18.00	UK	TL	\$562
(AGFQ3)	R-1W	260/80R20	10.20 x 20.00	UK	TL	\$590
(AGFQ2)	R-1W	112R20	11.20 x 20.00	UK	TL	\$587
(AGFQ6)	R-1W	136R28	13.60 x 28.00	UK	TL	\$767
(AGFQ15)	R-1W	136R38	13.60 x 38.00	UK	TL	\$914
(AGFQ20)	R-1W	149R24	14.90 x 24.00	UK	TL	\$869
(AGFQ7)	R-1W	149R28	14.90 x 28.00	UK	TL	\$951
(AGFQ9)	R-1W	149R30	14.90 x 30.00	UK	TL	\$1,020
(AGFQ4)	R-1W	169R24	16.90 x 24.00	UK	TL	\$1,011
(AGFQ5)	R-1W	169R26	16.90 x 26.00	X2	TL	\$1,087
(AGFQ8)	R-1W	169R28	16.90 x 28.00	UK	TL	\$1,051
(AGFQ10)	R-1W	169R30	16.90 x 30.00	UK	TL	\$1,170
(AGFQ21)	R-1W	169R34	16.90 x 34.00	X2	TL	\$1,171
(AGFQ22)	R-1W	169R38	16.90 x 38.00	X2	TT	\$1,136
(AGFQ11)	R-1W	184R26	18.40 x 26.00	UK	TL	\$1,172
(AGFQ12)	R-1W	184R30	18.40 x 30.00	UK	TL	\$1,239
(AGFQ14)	R-1W	184R34	18.40 x 34.00	UK	TL	\$1,009
(AGFQ16)	R-1W	184R38	18.40 x 38.00	UK	TL	\$1,073
(AGFQ18)	R-1W	184R42	18.40 x 42.00	UK	TL	\$1,375
(AGFQ17)	R-1W	208R38	20.80 x 38.00	UK	TL	\$1,471
(AGFQ19)	R-1W	208R42	20.80 x 42.00	UK	TL	\$1,708
(AGFQ13)	R-1W	800/65R32	31.50 x 32.00	UK	TL	\$2,692
SURE GRIP ALL SERVICE R-1			<i>(Life = 5000 hrs)</i>			
(AGFR1)	R-1	95-20	9.50 x 20.00	6	TL	\$263
TRACTION IRRIGATION 3			<i>(Life = 5000 hrs)</i>			
(AGFS1)	R-1	112-24	11.20 x 24.00	4	TL	\$200
(AGFS2)	R-1	149-24	14.90 x 24.00	4	TL	\$339

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APPENDIX F

TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
TRACTION SURE GRIP R-1			<i>(Life = 5000 hrs)</i>			
(AGFT1)	R-1	72-30	7.20 x 30.00	2	TT	\$267
(AGFT3)	R-1	95-42	9.50 x 42.00	6	TL	\$446
(AGFT2)	R-1	184-161	18.40 x 16.10	6	TL	\$573
TRACTION TORQUE R-1			<i>(Life = 5000 hrs)</i>			
(AGFU1)	R-1	149-28	14.90 x 28.00	6	TT	\$317
(AGFU2)	R-1	169-30	16.90 x 30.00	6	TT	\$344
(AGFU3)	R-1	184-30	18.40 x 30.00	6	TT	\$429
(AGFU5)	R-1	184-38	18.40 x 38.00	8	TT	\$580
<u>FARM, TERRA - 20" UP</u>						
SFT105			<i>(Life = 5000 hrs)</i>			
(AHGA2)	HF-1	54-3100-26	31.00 x 26.00	6	TL	\$2,989
SOF TRAC			<i>(Life = 5000 hrs)</i>			
(AHGB2)	HF-1	41-1400-20	14.00 x 20.00	4	TL	\$513
(AHGB1)	HF-1	44-1800-20	18.00 x 20.00	4	TL	\$603
SUPER TERRA GRIP			<i>(Life = 5000 hrs)</i>			
(AHGC1)	HF-2	38-1400-20	14.00 x 20.00	8	TL	\$503
(AHGC4)	HF-2	48-2500-20	25.00 x 20.00	10	TL	\$2,593
(AHGC2)	HF-2	42-2500-20	25.00 x 20.00	8	TL	\$2,077
(AHGC6)	HF-2	48-3100-20	31.00 x 20.00	12	TL	\$2,705
(AHGC7)	HF-2	54-3100-26	31.00 x 26.00	6	TL	\$2,989
(AHGC12)	HF-2	67-3400-25	34.00 x 25.00	10	TL	\$3,818
(AHGC10)	HF-2	66-4300-25	43.00 x 25.00	10	TL	\$3,991
(AHGC11)	HF-2	66-4300-25	43.00 x 25.00	20	TL	\$7,192
SUPER TERRA GRIP XT			<i>(Life = 5000 hrs)</i>			
(AHGD3)	HF-3	48-2500-20	25.00 x 20.00	10	TL	\$2,728
(AHGD1)	HF-3	42-2500-20	25.00 x 20.00	12	TL	\$2,489
(AHGD5)	HF-3	48-3100-20	31.00 x 20.00	12	TL	\$2,958
(AHGD6)	HF-3	66-4300-25	43.00 x 25.00	10	TL	\$4,360
(AHGD7)	HF-3	VA73-4400-32	44.00 x 32.00	12	TL	\$6,399
CUSTOM FLO GRIP			<i>(Life = 5000 hrs)</i>			
(AHGE2)	HF-4	67-3400-25	34.00 x 25.00	14	TL	\$5,194
(AHGE1)	HF-4	67-3400-30	34.00 x 30.00	12	TL	\$4,371
TUNDRA GRIP			<i>(Life = 5000 hrs)</i>			
(AHGF2)	HF-1	66-4400-25	44.00 x 25.00	16	TL	\$4,941
(AHGF1)	HF-1	66-4400-25	44.00 x 25.00	6	TL	\$3,341

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APPENDIX F TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (I)	COST PER EACH
SMOOTH TERRA			<i>(Life = 5000 hrs)</i>			
(AHGG1)		44-4100-20	41.00 x 20.00	10	TL	\$3,047
STEELGARD SUPER TERRA GRIP			<i>(Life = 5000 hrs)</i>			
(AHGH1)	HF-2	66-4300-25	43.00 x 25.00	12	TL	\$5,013
STEELGARD CUSTOM FLO GRIP			<i>(Life = 5000 hrs)</i>			
(AHGJ2)	HF-4	67-3400-25	34.00 x 25.00	14	TL	\$5,317
STEELGARD SUPER TERRA GRIP XT			<i>(Life = 5000 hrs)</i>			
(AHGK1)	HF-3	42-2500-20	25.00 x 20.00	12	TL	\$2,735
(AHGK2)	HF-3	66-4300-25	43.00 x 25.00	12	TL	\$5,211
(AHGK3)	HF-3	73-4400-32	44.00 x 32.00	16	TL	\$8,659
<u>FARM, SPECIALTY</u>						
SFT105			<i>(Life = 5000 hrs)</i>			
(AJHA1)	HF-1	33-1250-15	12.50 x 15.00	4	TL	\$354
SOFTRAC			<i>(Life = 5000 hrs)</i>			
(AJHB2)		18-650-8	6.50 x 8.00	4	TL	\$44
(AJHB3)		18-850-8	8.50 x 8.00	6	TL	\$58
(AJHB1)	HF-1	25-850-14	8.50 x 14.00	6	TL	\$135
(AJHB5)	HF-1	27-850-15	8.50 x 15.00	4	TL	\$132
(AJHB4)	HF-1	25-1050-15	10.50 x 15.00	4	TL	\$153
(AJHB6)	HF-1	27-1050-15	10.50 x 15.00	4	TL	\$165
(AJHB7)	HF-1	29-1250-15	12.50 x 15.00	4	TL	\$212
(AJHB10)	HF-1	31-1250-15	12.50 x 15.00	4	TL	\$219
(AJHB11)	HF-1	33-1250-15	12.50 x 15.00	4	TL	\$271
(AJHB8)	HF-1	31-1350-15	13.50 x 15.00	4	TL	\$263
(AJHB12)	HF-1	36-1350-15	13.50 x 15.00	4	TL	\$350
(AJHB9)	HF-1	31-1550-15	15.50 x 15.00	4	TL	\$287
SUPER TERRA GRIP			<i>(Life = 5000 hrs)</i>			
(AJHC1)		27-850-15	8.50 x 15.00	4	TL	\$110
(AJHC3)	HF-2	29-1250-15	12.50 x 15.00	6	TL	\$245
(AJHC6)	HF-2	31-1550-15	15.50 x 15.00	8	TL	\$331
(AJHC7)	HF-2	38-2000-16.1	20.00 x 16.00	8	TL	\$910
SURE GRIP LUG			<i>(Life = 5000 hrs)</i>			
(AJHD9)	HF-2	27-850-15	8.50 x 15.00	6	TL	\$156
(AJHD1)		10-165	10.00 x 16.50	6	TL	\$138
(AJHD10)	HF-2	27-1050-15	10.50 x 15.00	6	TL	\$186
(AJHD4)		12-165	12.00 x 16.50	10	TL	\$211
(AJHD3)		12-165	12.00 x 16.50	8	TL	\$182

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**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	\$601
(AJHD7)		15-195	15.00 x 19.50	12	TL	\$669
(AJHD6)		15-195	15.00 x 19.50	8	TL	\$566
ULTRA GRIP LUG			<i>(Life = 5000 hrs)</i>			
(AJHE1)		10-165	10.00 x 16.50	8	TL	\$173
(AJHE3)		12-165	12.00 x 16.50	10	TL	\$242
(AJHE4)		31-1550-15	15.50 x 15.00	8	TL	\$434
XTRA TRAC			<i>(Life = 5000 hrs)</i>			
(AJHF3)	HF-1	29-1250-15NHS	12.50 x 15.00	4	TL	\$194
(AJHF2)	HF-1	31-1550-15NHS	15.50 x 15.00	8	TL	\$404
DOUBLE EAGLE			<i>(Life = 5000 hrs)</i>			
(AJHG1)		205-50-10	5.00 x 10.00	4	TL	\$76
POWER RIB			<i>(Life = 5000 hrs)</i>			
(AJHJ1)		18-850-8	8.50 x 8.00	4	TL	\$42
(AJHJ2)		20-1000-10	10.00 x 10.00	4	TL	\$96
RALLY			<i>(Life = 5000 hrs)</i>			
(AJHK1)		480-8	4.80 x 8.00	4	TL	\$93
(AJHK2)		18-950-8	9.50 x 8.00	4	TL	\$147
RIB TERRA			<i>(Life = 5000 hrs)</i>			
(AJHL1)		18-950-8	9.50 x 8.00	10	TT	\$94
TERRA RIB			<i>(Life = 5000 hrs)</i>			
(AJHM2)	HF-1	25-750-15	7.50 x 15.00	6	TL	\$124
(AJHM4)	HF-1	27-950-15	9.50 x 15.00	10	TL	\$204
(AJHM6)	HF-1	31-1350-15	13.50 x 15.00	8	TL	\$266
ATT			<i>(Life = 5000 hrs)</i>			
(AJHN1)		AT21-7-10	7.00 x 10.00	01	TL	\$51
(AJHN3)		AT23-8-11	8.00 x 11.00	X2	TL	\$62
(AJHN2)		AT22-9-8	9.00 x 8.00	01	TL	\$62
(AJHN5)		AT24-9-11	9.00 x 11.00	X1	TL	\$68
(AJHN4)		AT25-11-9	11.00 x 9.00	X1	TL	\$67
COMPASS TERRA			<i>(Life = 5000 hrs)</i>			
(AJHO1)		21-1100-8	11.00 x 8.00	X2	TL	\$72
RAWHIDE III			<i>(Life = 5000 hrs)</i>			
(AJHP1)		22-1100-8	11.00 x 8.00	X2	TL	\$71
(AJHP2)		25-1200-9	12.00 x 9.00	X2	TL	\$104

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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			<i>(Life = 5000 hrs)</i>			
(AJHQ1)		21-1100-8	11.00 x 8.00	X2	TL	\$72
RUNAMUCK			<i>(Life = 5000 hrs)</i>			
(AJHR1)		22-1000-8	10.00 x 8.00	X2	TL	\$86
TRACKER ATT			<i>(Life = 5000 hrs)</i>			
(AJHT1)		AT24-8-11	8.00 x 11.00	X2	TL	\$68
(AJHT2)		AT24-10-11	10.00 x 11.00	X2	TL	\$75
TRACKER P			<i>(Life = 5000 hrs)</i>			
(AJHW2)		AT25-8-12	8.00 x 12.00	X3	TL	\$88
(AJHW1)		AT25-11-10	11.00 x 10.00	X3	TL	\$97
TRACKER PT			<i>(Life = 5000 hrs)</i>			
(AJHX1)		AT23-7-10	7.00 x 10.00	X2	TL	\$78
WRANGLER SPORT & WRANGLER SPORT RADIAL			<i>(Life = 5000 hrs)</i>			
(AJHZ1)		22-800-10NHS	8.00 x 10.00	01	TL	\$77
(AJHZ2)		22-1100-10NHS	11.00 x 10.00	01	TL	\$80
(AJHZ3)		24-1100-10NHS	11.00 x 10.00	01	TL	\$93
<u>INDUSTRIAL, MINE SERVICE</u>						
TRACTION IMPLEMENT			<i>(Life = 5000 hrs)</i>			
(AKEW1)	I-1	130/65-18	5.10 x 18.00	12	TL	\$625
ROCK MINE SERVICE			<i>(Life = 5000 hrs)</i>			
(AKJA1)		38x16-15	16.00 x 15.00	28	TL	\$1,376
TRACTION MINE SERVICE			<i>(Life = 5000 hrs)</i>			
(AKJB3)		8.25-15	8.25 x 15.00	16	TT	\$353
(AKJB2)		36-11x15(10.00L-15)	10.00 x 15.00	16	TT	\$436
(AKJB5)		32-15x15(32x14.50-15)	14.50 x 15.00	20	TT	\$488
(AKJB6)		35-15x15(14.50L-15)	14.50 x 15.00	28	TL	\$730
HARD ROCK LUG MINE & INDUSTRIAL			<i>(Life = 5000 hrs)</i>			
(AKJC1)		10.00-20	10.00 x 20.00	14	TT	\$458
XTRA TRACTION LUG			<i>(Life = 5000 hrs)</i>			
(AKJD2)		8.25-15	8.25 x 15.00	16	TT	\$445
(AKJD3)		36-11x15(10.00L15)	10.00 x 15.00	16	TT	\$542
(AKJD7)		24x12x12	12.00 x 12.00	24	TL	\$507
(AKJD4)		32-15x15(32x14.50-15)	14.50 x 15.00	24	TL	\$810
(AKJD6)		35-15x15(14.50L-15)	14.50 x 15.00	32	TL	\$1,147
(AKJD8)		44x18-20	18.00 x 20.00	32	TL	\$1,719

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**APPENDIX F
TIRE DESCRIPTION AND TIRE COST**

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XTRA TRACTION GRIP			<i>(Life = 5000 hrs)</i>			
(AKJE1)		32x12-15	12.00 x 15.00	20	TT	\$514
<u>INDUSTRIAL, PERMAFOAM INFLATION</u>						
PERMAFOAM INFLATION			<i>(Life = 5000 hrs)</i>			
(ALKA6)		825-15	8.25 x 15.00	UK	TL	\$483
(ALKA1)		1000-20	10.00 x 20.00	UK	TL	\$775
(ALKA8)		1100-15	11.00 x 15.00	UK	TL	\$671
(ALKA15)		24-1200-12	12.00 x 12.00	UK	TL	\$326
(ALKA10)		32-12-15	12.00 x 15.00	UK	TL	\$634
(ALKA2)		1200-20	12.00 x 20.00	UK	TL	\$1,102
(ALKA4)		1200-24	12.00 x 24.00	UK	TL	\$1,227
(ALKA9)		28-13-15	13.00 x 15.00	UK	TL	\$568
(ALKA3)		1400-20	14.00 x 20.00	UK	TL	\$1,558
(ALKA11)		32-15-15(32-1450-15)	14.50 x 15.00	UK	TL	\$652
(ALKA12)		35-15-15(1450-15)	14.50 x 15.00	UK	TL	\$731
(ALKA13)		38-16-15	16.00 x 15.00	UK	TL	\$1,017
(ALKA14)		44-18-20	18.00 x 20.00	UK	TL	\$1,268
<u>OFF-THE-ROAD, MED & HEAVY COMMERCIAL, RADIAL</u>						
G-2 GRADER SERVICE - RL2F, SG2B			<i>(Life = 3200 hrs)</i>			
(AMLA2)	G-2	13.00R24	13.00 x 24.00	X1	TL	\$814
(AMLA1)	G-2	14.00R24	14.00 x 24.00	X1	TL	\$919
(AMLA5)	L/G-2	15.5R25	15.50 x 25.00	X1	TL	\$848
(AMLA4)	G-2	16.00R24	16.00 x 24.00	X1	TL	\$1,130
E-2 HAULAGE SERVICE - RL2F/GP2B RL2+			<i>(Life = 2800 hrs)</i>			
(AMLB7)	E-2	14.00R24	14.00 x 24.00	X3	TL	\$1,177
(AMLB1)	E/L/G-3	17.5R25	17.50 x 25.00	X1	TL	\$1,180
(AMLB8)	E-2	18.00R25	18.00 x 25.00	X2	TL	\$1,789
(AMLB2)	E/L/G-3	20.5R25	20.50 x 25.00	X1	TL	\$1,690
(AMLB5)	E/L/G-3+T	20.5R25	20.50 x 25.00	X1	TL	\$2,206
(AMLB9)	E/L/G-3	20.5R25	20.50 x 25.00	X2	TL	\$1,786
(AMLB15)	E-2	21.00R35	21.00 x 35.00	X2	TL	\$3,505
(AMLB3)	E/L/G-3	23.5R25	23.50 x 25.00	X1	TL	\$2,276
(AMLB10)	E/L/G-3	23.5R25	23.50 x 25.00	X2	TL	\$2,320
(AMLB21)	E/L-3	26.5R25	26.50 x 25.00	X2	TL	\$3,163
(AMLB20)	E-3	27.00R49	27.00 x 49.00	X2	TL	\$7,012
(AMLB22)	E/L-3	29.5R25	29.50 x 25.00	X2	TL	\$3,961
(AMLB17)	E-2	33.25R35	33.25 x 35.00	X2	TL	\$5,620
(AMLB18)	E-2	37.25R35	37.25 x 35.00	X2	TL	\$7,328
(AMLB19)	E-2	37.5R39	37.50 x 39.00	X2	TL	\$7,927

(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
(AMLB23)	E-3	40.5/75R39	40.50 x 39.00	X2	TL	\$8,922
E-3 HAULAGE SERVICE - ROCK DESIGN RL3, RL3J,			<i>(Life = 2800 hrs)</i>			
(AMLC1)	E-3+	16.00R25	16.00 x 25.00	X2	TL	\$2,370
(AMLC2)	E-3+	18.00R25	18.00 x 25.00	X2	TL	\$2,341
(AMLC3)	E-3+	18.00R33	18.00 x 33.00	X2	TL	\$3,001
(AMLC4)	E-3+	21.00R35	21.00 x 35.00	X2	TL	\$3,767
(AMLC5)	E-3+	24.00R35	24.00 x 35.00	X2	TL	\$4,804
(AMLC6)	E-3	29.5R29	29.50 x 29.00	X2	TL	\$4,493
(AMLC7)	E-3	33.25R35	33.25 x 25.00	X2	TL	\$5,994
(AMLC8)	E-3	37.25R35	37.35 x 35.00	X2	TL	\$7,661
(AMLC9)	E-3	37.5R39	37.50 x 39.00	X2	TL	\$7,976
E-4 RL4J/RL4 & RL4H/RL4 E4			<i>(Life = 5000 hrs)</i>			
(AMLD1)	E-4	12.00R24	12.00 x 24.00	X3	TT	\$1,079
(AMLD2)	E-4	14.00R24	14.00 x 24.00	X3	TL	\$1,291
(AMLD3)	E-4	14.00R25	14.00 x 25.00	X3	TL	\$1,398
(AMLD4)	E-4	18.00R25	18.00 x 25.00	X2	TL	\$2,402
(AMLD5)	E-4	18.00R33	18.00 x 33.00	X2	TL	\$3,161
(AMLD14)	E-4	21.00R35	21.00 x 35.00	X2	TL	\$4,250
(AMLD15)	E-4	24.00R35	24.00 x 25.00	X2	TL	\$5,451
(AMLD6)	E-4	24.00R49	24.00 x 49.00	X2	TL	\$6,735
(AMLD7)	E-4	27.00R49	27.00 x 49.00	X2	TL	\$8,079
(AMLD8)	E-4	30.00R51	30.00 x 51.00	X2	TL	\$10,560
(AMLD9)	E-4	33.00R51	33.00 x 51.00	X2	TL	\$13,322
(AMLD10)	E-4	36.00R51	36.00 x 51.00	X2	TL	\$14,814
(AMLD11)	E-4	37.00R57	37.00 x 57.00	X2	TL	\$19,934
(AMLD12)	E-4	40.00R57	40.00 x 57.00	X2	TL	\$22,629
MOBILE CRANE			<i>(Life = 5000 hrs)</i>			
(AMLF1)	E/L/G-3	445/80R25 (17.5R25)	17.50 x 25.00	UK	TL	\$1,372
(AMLF2)	E/L-3	445/95R25 (16.00R25)	17.50 x 25.00	UK	TL	\$1,945
(AMLF3)	E/L-3	525/80R25(20.5R25)	20.60 x 25.00	UK	TL	\$2,024
L-5 DOZER & LOADER SERVICE RL5K			<i>(Life = 8000 hrs)</i>			
(AMLG1)	L-5	20.5R25	20.50 x 25.00	X1	TL	\$2,985
(AMLG2)	L-5	23.5R25	23.50 x 25.00	X1	TL	\$3,716
SPECIAL SERVICE - AT2A			<i>(Life = 5000 hrs)</i>			
(AMLH1)	E/L/G-3	14.00R20	14.00 x 20.00	18	TL	\$733
(AMLH3)	E/L/G-3	16.00R20	16.00 x 20.00	22	TL	\$1,095
(AMLH4)	E/L/G-3	16.00R21	16.00 x 21.00	22	TL	\$1,148
(AMLH2)	E/L/G-3	17.5R25	17.50 x 25.00	X1	TL	\$1,096
(AMLH5)	E/L/G-3	555/65R25	21.80 x 25.00	UK	TL	\$1,979
(AMLH6)	E/L/G-3	22/65R25	22.00 x 25.00	X1	TL	\$1,634

(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
OFF-THE-ROAD, MED & HEAVY COMMERCIAL, BIAS						
INDUSTRIAL SURE GRIP MPT			<i>(Life = 5000 hrs)</i>			
(ANMA1)		10.5-20	10.50 x 20.00	10	TL	\$333
(ANMA2)		12.5-20	12.50 x 20.00	10	TL	\$425
E-1 HRR 1A			<i>(Life = 2500 hrs)</i>			
(ANMB1)	E-1	14.00-25	14.00 x 25.00	20	TL	\$880
(ANMB2)	E-1	16.00-25	16.00 x 25.00	32	TL	\$1,756
E-2 TRACTION EARTHMOVER SURE GRIP			<i>(Life = 2800 hrs)</i>			
(ANMC2)	E-2	18.00-25	18.00 x 25.00	12	TL	\$1,746
(ANMC3)	E-2	18.00-25	18.00 x 25.00	16	TL	\$1,832
E-2 TRACTION SURE GRIP LUG			<i>(Life = 2800 hrs)</i>			
(ANMD1)	E-2	29.5-25	29.50 x 25.00	22	TL	\$3,185
(ANMD2)	E-2	29.5-29	29.50 x 29.00	34	TL	\$3,571
(ANMD3)	E-2	29.5-35	29.50 x 35.00	28	TL	\$3,683
E-3 ROCK SERVICE HARD ROCK LUG/HRL WC			<i>(Life = 2800 hrs)</i>			
(ANME1)	E-3	12.00-20	12.00 x 20.00	16	TT	\$589
(ANME2)	E-3	12.00-24	12.00 x 24.00	16	TT	\$677
(ANME3)	E-3	14.00-24	14.00 x 24.00	20	TT	\$982
(ANME4)	E-3	14.00-25	14.00 x 25.00	20	TL	\$973
(ANME5)	E-3	16.00-25	16.00 x 25.00	20	TL	\$1,436
(ANME6)	E-3	16.00-25	16.00 x 25.00	24	TL	\$1,510
E-3 ROCK SERVICE SUPER HARD ROCK LUG			<i>(Life = 2800 hrs)</i>			
(ANMF1)	E-3	26.5-25	26.50 x 25.00	20	TL	\$2,258
(ANMF2)	E-3	26.5-25	26.50 x 25.00	26	TL	\$2,484
(ANMF3)	E-3	29.5-25	29.50 x 25.00	22	TL	\$3,136
(ANMF4)	E-3	29.5-25	29.50 x 25.00	28	TL	\$3,276
(ANMF5)	E-3	29.5-29	29.50 x 29.00	28	TL	\$3,504
(ANMF6)	E-3	29.5-29	29.50 x 29.00	34	TL	\$3,758
E-3 ROCK SERVICE SHRL8			<i>(Life = 2800 hrs)</i>			
(ANMG4)	E-3	29.5-35	29.50 x 35.00	34	TL	\$4,044
(ANMG1)	E-3	33.25-29	33.25 x 29.00	26	TL	\$4,066
(ANMG6)	E-3	33.25-35	33.25 x 35.00	38	TL	\$5,174
(ANMG2)	E-3	33.5-33	33.50 x 33.00	32	TL	\$4,679
(ANMG7)	E-3	37.25-35	37.25 x 35.00	30	TL	\$5,654
(ANMG8)	E-3	37.25-35	37.25 x 35.00	36	TL	\$6,091
(ANMG9)	E-3	37.5-39	37.50 x 39.00	44	TL	\$6,770

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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			<i>(Life = 2800 hrs)</i>			
(ANMH6)	IND 4	16.00-25	16.00 x 25.00	32	TL	\$2,181
(ANMH2)	IND 3	18.00-25	18.00 x 25.00	32	TL	\$2,306
(ANMH4)	IND 4	18.00-25	18.00 x 25.00	40	TL	\$3,198
(ANMH9)	IND 3	21.00-25	21.00 x 25.00	32	TL	\$3,173
(ANMH1)	IND 3	23.5-25	23.50 x 25.00	36	TL	\$2,443
E-3 ROCK SERVICE HRL 3F			<i>(Life = 2800 hrs)</i>			
(ANMJ2)	E-3	33.25-35	33.25 x 35.00	32	TL	\$4,904
(ANMJ3)	E-3	33.25-35	33.25 x 35.00	38	TL	\$5,280
(ANMJ5)	E-3	37.25-35	37.25 x 35.00	36	TL	\$6,273
(ANMJ1)	E-3	37.5-33	37.50 x 33.00	42	TL	\$6,793
(ANMJ6)	E-3	37.5-39	37.50 x 39.00	44	TL	\$6,944
(ANMJ7)	E-3	37.5-39	37.50 x 39.00	52	TL	\$7,324
E-3 ROCK SERVICE UMS 3A			<i>(Life = 2800 hrs)</i>			
(ANMK2)	E-3	12.00-20	12.00 x 20.00	20	TT	\$710
(ANMK4)	E-3	12.00-24	12.00 x 24.00	16	TT	\$677
(ANMK3)	E-3	14.00-20	14.00 x 20.00	24	TT	\$948
E-3 ROCK SERVICE WRL 3A			<i>(Life = 2800 hrs)</i>			
(ANML1)	E-3	14.00-20	14.00 x 20.00	24	TT	\$948
(ANML2)	E-3	14.00-24	14.00 x 24.00	24	TT	\$1,024
E-4 ROCK SERVICE AMS4/5 A			<i>(Life = 5000 hrs)</i>			
(ANMM1)	E-4	12.00-24	12.00 x 24.00	16	TT	\$863
E-4 ROCK SERVICE HRL 4B			<i>(Life = 5000 hrs)</i>			
(ANMN1)	E-4	16.00-25	16.00 x 25.00	28	TL	\$1,712
(ANMN2)	E-4	18.00-25	18.00 x 25.00	32	TL	\$2,353
(ANMN3)	E-4	18.00-33	18.00 x 33.00	32	TL	\$2,917
(ANMN4)	E-4	21.00-35	21.00 x 35.00	36	TL	\$3,827
(ANMN5)	E-4	24.00-35	24.00 x 35.00	36	TL	\$4,883
(ANMN6)	E-4	27.00-49	27.00 x 49.00	42	TL	\$7,101
(ANMN7)	E-4	27.00-49	27.00 x 49.00	48	TL	\$7,672
(ANMN8)	E-4	30.00-51	30.00 x 51.00	46	TL	\$12,655
(ANMN9)	E-4	36.00-51	36.00 x 51.00	58	TL	\$21,672
E-4 ROCK SERVICE MRL 4B			<i>(Life = 5000 hrs)</i>			
(ANMO1)	E-4	24.00-49	24.00 x 49.00	48	TL	\$7,003
(ANMO2)	E-4	36.00-51	36.00 x 51.00	58	TL	\$21,672
E-6 TOW SERVICE - RIB TOW SERVICE			<i>(Life = 3000 hrs)</i>			
(ANMP1)		61/1800-25	18.00 x 25.00	44	TL	\$2,701

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APPENDIX F
TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (I)	COST PER EACH
E-7 FLOTATION TYPE SAND RIB SRB 7A			<i>(Life = 3000 hrs)</i>			
(ANMQ1)	E-7	18.00-25	18.00 x 25.00	12	TL	\$1,224
(ANMQ2)	E-7	18.00-25	18.00 x 25.00	16	TL	\$1,348
(ANMQ6)	E-7	21.00-25	21.00 x 25.00	16	TL	\$1,939
(ANMQ4)	E-7	24-20.5	24.00 x 20.50	16	TL	\$1,587
(ANMQ10)	E-7	24-21	24.00 x 21.00	16	TT	\$1,419
(ANMQ7)	E-7	29.5-25	29.50 x 25.00	28	TL	\$3,719
(ANMQ8)	E-7	36.00-51	36.00 x 51.00	42	TL	\$10,458
E-7 FLOTATION TYPE PAVER TIRE			<i>(Life = 3000 hrs)</i>			
(ANMR1)	E-7	1600-24	16.00 x 24.00	12	TL	\$1,039
G-1 RBG 1A			<i>(Life = 3200 hrs)</i>			
(ANMS1)	G-1	1400-24	14.00 x 24.00	12	TL	\$671
G-2 SGG2A			<i>(Life = 3200 hrs)</i>			
(ANMT2)	G-2	12.00-24	12.00 x 24.00	8	TL	\$356
(ANMT1)	G-2	13.00-20	13.00 x 20.00	10	TT	\$353
(ANMT3)	G-2	13.00-24	13.00 x 24.00	10	TL	\$367
(ANMT4)	G-2	13.00-24	13.00 x 24.00	12	TL	\$401
(ANMT10)	G-2	13.00-24 SG	13.00 x 24.00	12	TL	\$559
(ANMT5)	G-2	14.00-24	14.00 x 24.00	10	TL	\$407
(ANMT6)	G-2	14.00-24	14.00 x 24.00	12	TL	\$421
(ANMT8)	G-2	16.00-24	16.00 x 24.00	12	TL	\$993
G-2 GRADER SMOOTH			<i>(Life = 3200 hrs)</i>			
(ANMU1)	G-1	13.00-24	13.00 x 24.00	10	TL	\$378
G-2 SGLDL 2A L2			<i>(Life = 3200 hrs)</i>			
(ANMV2)	L-2/G-2	15.5-25	15.50 x 25.00	12	TL	\$538
(ANMV1)	L-2/G-2	15.5-25	15.50 x 25.00	8	TL	\$503
(ANMV3)	L-2/G-2	17.5-25	17.50 x 25.00	12	TL	\$589
(ANMV4)	L-2/G-2	17.5-25	17.50 x 25.00	16	TL	\$733
(ANMV5)	L-2/G-2	17.5-25	17.50 x 25.00	20	TL	\$824
G-2 SGLEL 2A ES/L2/G2			<i>(Life = 3200 hrs)</i>			
(ANMW1)	E-2/L-2	20.5-25	20.50 x 25.00	12	TL	\$1,089
(ANMW2)	E-2/L-2	20.5-25	20.50 x 25.00	16	TL	\$1,144
(ANMW4)	E-2/L-2	23.5-25	23.50 x 25.00	12	TL	\$1,509
(ANMW5)	E-2/L-2	23.5-25	23.50 x 25.00	16	TL	\$1,584
G-3 RKG 3A			<i>(Life = 3200 hrs)</i>			
(ANMX1)	G-3	14.00-24	14.00 x 24.00	16	TL	\$718
(ANMX2)	G-3	16.00-24	16.00 x 24.00	16	TL	\$1,284

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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			<i>(Life = 3200 hrs)</i>			
(ANMY1)	G-4	14.00-24	14.00 x 24.00	12	TL	\$642
L-2 DOZER/LOADER SERVICE TRACTION SG LUG DL			<i>(Life = 3200 hrs)</i>			
(ANNA1)	L-2	26.5-25	26.50 x 25.00	14	TL	\$1,859
(ANNA2)	L-2	26.5-25	26.50 x 25.00	20	TL	\$2,043
L-3 DOZER/LOADER SERVICE ROCK SERVICE E3/L3			<i>(Life = 3200 hrs)</i>			
(ANNB1)	E/L-3	20.5-25	20.50 x 25.00	12	TL	\$1,254
(ANNB2)	E/L-3	20.5-25	20.50 x 25.00	16	TL	\$1,304
(ANNB4)	E/L-3	23.5-25	23.50 x 25.00	12	TL	\$1,680
(ANNB5)	E/L-3	23.5-25	23.50 x 25.00	16	TL	\$1,769
(ANNB6)	E/L-3	23.5-25	23.50 x 25.00	20	TL	\$1,927
L-3 DOZER/LOADER SERVICE ROCK SHRL DL			<i>(Life = 3200 hrs)</i>			
(ANNC1)	L-3	26.5-25	26.50 x 25.00	20	TL	\$2,449
(ANNC2)	L-3	29.5-25	29.50 x 25.00	22	TL	\$3,178
(ANNC3)	L-3	29.5-25	29.50 x 25.00	28	TL	\$3,422
L-3 DOZER/LOADER SERVICE ROCK HRL DL 3A & 3F			<i>(Life = 3200 hrs)</i>			
(ANND1)	L/G-3	15.5-25	15.50 x 25.00	12	TL	\$563
(ANND2)	L/G-3	17.5-25	17.50 x 25.00	12	TL	\$671
(ANND4)	L/G-3	17.5-25	17.50 x 25.00	20	TL	\$977
(ANND6)	L-3	33.25-35	33.25 x 35.00	50	TL	\$6,295
L-4 DOZER/LOADER SERVICE ROCK DEEP TREAD S			<i>(Life = 5000 hrs)</i>			
(ANNE1)	L-4	23.5-25	23.50 x 25.00	20	TL	\$2,519
(ANNE2)	L-4	26.5-25	26.50 x 25.00	20	TL	\$3,062
(ANNE3)	L-4	29.5-25	29.50 x 25.00	22	TL	\$3,767
(ANNE4)	L-4	29.5-25	29.50 x 25.00	28	TL	\$4,056
(ANNE5)	L-4	29.5-29	29.50 x 29.00	28	TL	\$4,250
L-4 DOZER/LOADER SERVICE ROCK DEEP TREAD H			<i>(Life = 5000 hrs)</i>			
(ANNF1)	L-4	52/80-57	52.00 x 57.00	68	TL	\$42,971
L-4 DOZER/LOADER SERVICE ROCK DEEP TREAD N			<i>(Life = 5000 hrs)</i>			
(ANNG1)	L-4	35/65-33	35.00 x 33.00	24	TL	\$5,560
(ANNG2)	L-4	35/65-33	35.00 x 33.00	30	TL	\$6,612
L-5 DOZER/LOADER SERVICE ROCK SUPER XTRA T			<i>(Life = 8000 hrs)</i>			
(ANNH1)	L-5	20.5-25	20.50 x 25.00	12	TL	\$1,816
(ANNH2)	L-5	23.5-25	23.50 x 25.00	20	TL	\$2,714
L-5 DOZER/LOADER SERVICE ROCK SUPER XTRA T			<i>(Life = 8000 hrs)</i>			
(ANNJ1)	L-5	26.5-25	26.50 x 25.00	20	TL	\$3,402
(ANNJ2)	L-5	29.5-25	29.50 x 25.00	22	TL	\$4,632

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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	\$5,228
(ANNJ5)	L-5	37.25-35	37.25 x 35.00	42	TL	\$8,969
L-5 DOZER/LOADER SERVICE ROCK SUPER XTRA T		(Life = 8000 hrs)				
(ANNK1)	L-5	26.5-25	26.50 x 25.00	20	TL	\$3,092
(ANNK2)	L-5	29.5-25	29.50 x 25.00	22	TL	\$4,211
(ANNK4)	L-5	29.5-29	29.50 x 29.00	28	TL	\$4,940
(ANNK5)	L-5	37.5-39	37.50 x 39.00	44	TL	\$10,241
L-5 DOZER/LOADER SERVICE ROCK SUPER XTRA T		(Life = 8000 hrs)				
(ANNL2)	L-5	35/65-33	35.00 x 33.00	30	TL	\$6,874
(ANNL3)	L-5	40/65-39	40.00 x 39.00	30	TL	\$8,740
(ANNL4)	L-5	41.25/70-39	41.25 x 39.00	34	TL	\$10,012
(ANNL6)	L-5	45/65-45	45.00 x 45.00	38	TL	\$12,169
(ANNL7)	L-5	45/65-45	45.00 x 45.00	46	TL	\$12,722
(ANNL8)	L-5	50/65-51	50.00 x 51.00	62	TL	\$30,307
L-5 DOZER/LOADER SERVICE ROCK SUPER XTRA T		(Life = 8000 hrs)				
(ANNM1)	L-5	35/65-33	35.00 x 33.00	24	TL	\$6,622
(ANNM2)	L-5	45/65-45	45.00 x 45.00	46	TL	\$13,343
L-5 DOZER/LOADER SERVICE SMOOTH SMO SL5B		(Life = 8000 hrs)				
(ANNN1)	L-5S	17.5-25	17.50 x 25.00	20	TL	\$2,206
(ANNN3)	L-5	18.00-25	18.00 x 25.00	28	TL	\$3,162
L-5 DOZER/LOADER SERVICE SMOOTH SUPER XTR		(Life = 8000 hrs)				
(ANNO1)	L-5S	21.00-25	21.00 x 25.00	32	TL	\$5,176
(ANNO2)	L-5S	26.5-25	26.50 x 25.00	26	TL	\$3,974
(ANNO3)	L-5S	26.5-25	26.50 x 25.00	32	TL	\$4,480
(ANNO4)	L-5S	29.5-25	29.50 x 25.00	28	TL	\$5,863
L-5 DOZER/LOADER SERVICE SMOOTH NSM DL5B		(Life = 8000 hrs)				
(ANNP1)	L-5S	35/65-33	35.00 x 33.00	24	TL	\$7,064
(ANNP2)	L-5S	45/65-45	45.00 x 45.00	46	TL	\$13,728
L-5 DOZER/LOADER SERVICE SMOOTH NYLOSTEEL		(Life = 8000 hrs)				
(ANNQ1)	L-5	45/65-45	45.00 x 45.00	38	TL	\$12,169
(ANNQ2)	L-5	45/65-45	45.00 x 45.00	46	TL	\$12,722
<u>INDUSTRIAL, PRESSED-ON</u>						
PRESSED-ON, HIGH PERFORMANCE, NON-MARKING		(Life = 5000 hrs)				
(EPPO5)		10-3-61/4	3.00 x 10.00		NO	\$75
(EPPO4)		10-31/2-6	3.50 x 10.00		NO	\$78
(EPPO18)		12-31/2-8	3.50 x 12.00		NO	\$83
(EPPO23)		13-31/2-8	3.50 x 13.00		NO	\$90

(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
(EPPO25)		13-31/2-81/4	3.50 x 13.00		NO	\$131
(EPPO32)		15-31/2-111/4	3.50 x 15.00		NO	\$150
(EPPO1)		81/2-4-4	4.00 x 8.50		NO	\$115
(EPPO6)		10-4-61/4	4.00 x 10.00		NO	\$76
(EPPO10)		10-4-61/2	4.00 x 10.00		NO	\$100
(EPPO3)		10-4- 5	4.00 x 10.00		NO	\$132
(EPPO19)		12-4-8	4.00 x 12.00		NO	\$88
(EPPO45)		16-4-121/8	4.00 x 16.00		NO	\$102
(EPPO47)		161/4-4-111/4	4.00 x 16.25		NO	\$97
(EPPO51)		161/4-4-111/2	4.00 x 16.25		NO	\$167
(EPPO20)		12-41/2-8	4.50 x 12.00		NO	\$86
(EPPO24)		13-41/2-8	4.50 x 13.00		NO	\$94
(EPPO102)		13-41/2-8	4.50 x 13.00		NO	\$117
(EPPO27)		131/2-41/2-8	4.50 x 13.50		NO	\$93
(EPPO30)		14-41/2-8	4.50 x 14.00		NO	\$106
(EPPO40)		16-41/2-101/2	4.50 x 16.00		NO	\$128
(EPPO44)		16-41/2-12	4.50 x 16.00		NO	\$130
(EPPO46)		16-41/2-121/8	4.50 x 16.00		NO	\$145
(EPPO52)		17-41/2-121/8	4.50 x 17.00		NO	\$134
(EPPO11)		10-43/4-61/2	4.75 x 10.00		NO	\$77
(EPPO2)		9-5- 5	5.00 x 9.00		NO	\$76
(EPPO12)		10-5-61/2	5.00 x 10.00		NO	\$66
(EPPO101)		10-5-61/2	5.00 x 10.00		NO	\$71
(EPPO7)		10-5-61/4	5.00 x 10.00		NO	\$79
(EPPO13)		101/2-5-5	5.00 x 10.50		NO	\$69
(EPPO15)		101/2-5-61/2	5.00 x 10.50		NO	\$75
(EPPO26)		13-5-10	5.00 x 13.00		NO	\$102
(EPPO31)		14-5-10	5.00 x 14.00		NO	\$99
(EPPO33)		15-5-111/4	5.00 x 15.00		NO	\$99
(EPPO38)		151/2-5-10	5.00 x 15.50		NO	\$113
(EPPO41)		16-5-101/2	5.00 x 16.00		NO	\$118
(EPPO48)		161/4-5-111/4	5.00 x 16.25		NO	\$99
(EPPO53)		17-5-121/8	5.00 x 17.00		NO	\$118
(EPPO56)		173/4-5-121/8	5.00 x 17.75		NO	\$146
(EPPO58)		18-5-121/8	5.00 x 18.00		NO	\$124
(EPPO63)		18-5-14	5.00 x 18.00		NO	\$139
(EPPO68)		20-5-16	5.00 x 20.00		NO	\$152
(EPPO73)		21-5-15	5.00 x 21.00		NO	\$167
(EPPO110)		21-5-15	5.00 x 21.00		NO	\$179
(EPPO79)		22-5-16	5.00 x 22.00		NO	\$153
(EPPO21)		12-51/2-8	5.50 x 12.00		NO	\$104
(EPPO28)		131/2-51/2-8	5.50 x 13.50		NO	\$105
(EPPO8)		10-6-61/4	6.00 x 10.00		NO	\$88

(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
(EPPO16)		101/2-6-61/2	6.00 x 10.50		NO	\$90
(EPPO14)		101/2-6-5	6.00 x 10.50		NO	\$113
(EPPO34)		15-6-111/4	6.00 x 15.00		NO	\$114
(EPPO39)		151/2-6-10	6.00 x 15.50		NO	\$127
(EPPO42)		16-6-101/2	6.00 x 16.00		NO	\$133
(EPPO103)		16-6-101/2	6.00 x 16.00		NO	\$160
(EPPO49)		161/4-6-111/4	6.00 x 16.25		NO	\$120
(EPPO104)		161/4-6-111/4	6.00 x 16.25		NO	\$144
(EPPO54)		17-6-121/8	6.00 x 17.00		NO	\$151
(EPPO57)		173/4-6-121/8	6.00 x 17.75		NO	\$171
(EPPO59)		18-6-121/8	6.00 x 18.00		NO	\$136
(EPPO64)		18-6-14	6.00 x 18.00		NO	\$147
(EPPO106)		18-6-121/8	6.00 x 18.00		NO	\$162
(EPPO69)		20-6-16	6.00 x 20.00		NO	\$172
(EPPO74)		21-6-15	6.00 x 21.00		NO	\$182
(EPPO111)		21-6-15	6.00 x 21.00		NO	\$193
(EPPO80)		22-6-16	6.00 x 22.00		NO	\$174
(EPPO89)		22-6-173/4	6.00 x 22.00		NO	\$214
(EPPO22)		12-61/2-8	6.50 x 12.00		NO	\$109
(EPPO29)		131/2-61/2-8	6.50 x 13.50		NO	\$133
(EPPO9)		10-7-61/4	7.00 x 10.00		NO	\$100
(EPPO17)		101/2-7-61/2	7.00 x 10.50		NO	\$124
(EPPO35)		15-7-111/4	7.00 x 15.00		NO	\$130
(EPPO43)		16-7-101/2	7.00 x 16.00		NO	\$151
(EPPO50)		161/4-7-111/4	7.00 x 16.25		NO	\$149
(EPPO105)		161/4-7-111/4	7.00 x 16.25		NO	\$173
(EPPO55)		17-7-121/8	7.00 x 17.00		NO	\$175
(EPPO60)		18-7-121/8	7.00 x 18.00		NO	\$146
(EPPO107)		18-7-121/8	7.00 x 18.00		NO	\$168
(EPPO65)		18-7-14	7.00 x 18.00		NO	\$185
(EPPO70)		20-7-16	7.00 x 20.00		NO	\$188
(EPPO75)		21-7-15	7.00 x 21.00		NO	\$186
(EPPO112)		21-7-15	7.00 x 21.00		NO	\$219
(EPPO81)		22-7-16	7.00 x 22.00		NO	\$224
(EPPO90)		22-7-173/4	7.00 x 22.00		NO	\$231
(EPPO94)		26-7-20	7.00 x 26.00		NO	\$348
(EPPO36)		15-8-111/4	8.00 x 15.00		NO	\$146
(EPPO61)		18-8-121/8	8.00 x 18.00		NO	\$171
(EPPO66)		18-8-14	8.00 x 18.00		NO	\$187
(EPPO108)		18-8-121/8	8.00 x 18.00		NO	\$193
(EPPO71)		20-8-16	8.00 x 20.00		NO	\$187
(EPPO76)		21-8-15	8.00 x 21.00		NO	\$221
(EPPO113)		21-8-15	8.00 x 21.00		NO	\$263

(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
(EPPO82)		22-8-16	8.00 x 22.00		NO	\$232
(EPPO115)		22-8-16	8.00 x 22.00		NO	\$251
(EPPO91)		22-8-173/4	8.00 x 22.00		NO	\$262
(EPPO37)		15-9-111/4	9.00 x 15.00		NO	\$212
(EPPO67)		18-9-14	9.00 x 18.00		NO	\$190
(EPPO62)		18-9-121/8	9.00 x 18.00		NO	\$200
(EPPO109)		18-9-121/8	9.00 x 18.00		NO	\$227
(EPPO72)		20-9-16	9.00 x 20.00		NO	\$265
(EPPO77)		21-9-15	9.00 x 21.00		NO	\$266
(EPPO114)		21-9-15	9.00 x 21.00		NO	\$308
(EPPO83)		22-9-16	9.00 x 22.00		NO	\$262
(EPPO116)		22-9-16	9.00 x 22.00		NO	\$295
(EPPO84)		22-10-16	10.00 x 22.00		NO	\$407
(EPPO92)		22-10-173/4	10.00 x 22.00		NO	\$448
(EPPO95)		28-10-22	10.00 x 28.00		NO	\$563
(EPPO99)		36-10-30	10.00 x 36.00		NO	\$784
(EPPO85)		22-11-16	11.00 x 22.00		NO	\$515
(EPPO78)		21-12-15	12.00 x 21.00		NO	\$375
(EPPO86)		22-12-16	12.00 x 22.00		NO	\$480
(EPPO96)		28-12-22	12.00 x 28.00		NO	\$724
(EPPO100)		36-12-30	12.00 x 36.00		NO	\$859
(EPPO87)		22-14-16	14.00 x 22.00		NO	\$593
(EPPO93)		22-14-173/4	14.00 x 22.00		NO	\$629
(EPPO97)		28-14-22	14.00 x 28.00		NO	\$820
(EPPO88)		22-16-16	16.00 x 22.00		NO	\$674
(EPPO98)		28-16-22	16.00 x 28.00		NO	\$986

CONVEYOR/LOADER BELTING

CONVEYOR BELTING (GOODYEAR WINGFOOT)

(Life = 5000 hrs)

(AZZA1)		Conveyor Belting	24.00 x 50.00	2	NO	\$317
(AZZA2)		Conveyor Belting	24.00 x 60.00	2	NO	\$381
(AZZA3)		Conveyor Belting	24.00 x 70.00	2	NO	\$444
(AZZA4)		Conveyor Belting	24.00 x 80.00	2	NO	\$508
(AZZA5)		Conveyor Belting	24.00 x 90.00	2	NO	\$572
(AZZA6)		Conveyor Belting	24.00 x 100.00	2	NO	\$635
(AZZA7)		Conveyor Belting	24.00 x 110.00	2	NO	\$698
(AZZA8)		Conveyor Belting	24.00 x 120.00	2	NO	\$761
(AZZA9)		Conveyor Belting	24.00 x 130.00	2	NO	\$826
(AZZA10)		Conveyor Belting	24.00 x 140.00	2	NO	\$889
(AZZA11)		Conveyor Belting	24.00 x 150.00	2	NO	\$952
(AZZA12)		Conveyor Belting	30.00 x 50.00	2	NO	\$397
(AZZA13)		Conveyor Belting	30.00 x 60.00	2	NO	\$476
(AZZA14)		Conveyor Belting	30.00 x 70.00	2	NO	\$555

(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
(AZZA15)		Conveyor Belting	30.00 x 80.00	2	NO	\$635
(AZZA16)		Conveyor Belting	30.00 x 90.00	2	NO	\$714
(AZZA17)		Conveyor Belting	30.00 x 100.00	2	NO	\$794
(AZZA18)		Conveyor Belting	30.00 x 110.00	2	NO	\$873
(AZZA19)		Conveyor Belting	30.00 x 120.00	2	NO	\$952
(AZZA20)		Conveyor Belting	30.00 x 130.00	2	NO	\$1,032
(AZZA21)		Conveyor Belting	30.00 x 140.00	2	NO	\$1,111
(AZZA22)		Conveyor Belting	30.00 x 150.00	2	NO	\$1,190
(AZZA23)		Conveyor Belting	36.00 x 50.00	2	NO	\$476
(AZZA24)		Conveyor Belting	36.00 x 60.00	2	NO	\$572
(AZZA25)		Conveyor Belting	36.00 x 70.00	2	NO	\$667
(AZZA26)		Conveyor Belting	36.00 x 80.00	2	NO	\$761
(AZZA27)		Conveyor Belting	36.00 x 90.00	2	NO	\$857
(AZZA28)		Conveyor Belting	36.00 x 100.00	2	NO	\$952
(AZZA29)		Conveyor Belting	36.00 x 110.00	2	NO	\$1,048
(AZZA30)		Conveyor Belting	36.00 x 120.00	2	NO	\$1,143
(AZZA31)		Conveyor Belting	36.00 x 130.00	2	NO	\$1,238
(AZZA32)		Conveyor Belting	36.00 x 140.00	2	NO	\$1,333
(AZZA33)		Conveyor Belting	36.00 x 150.00	2	NO	\$1,428
(AZZA34)		Conveyor Belting	42.00 x 50.00	2	NO	\$555
(AZZA35)		Conveyor Belting	42.00 x 60.00	2	NO	\$667
(AZZA36)		Conveyor Belting	42.00 x 70.00	2	NO	\$777
(AZZA37)		Conveyor Belting	42.00 x 80.00	2	NO	\$889
(AZZA38)		Conveyor Belting	42.00 x 90.00	2	NO	\$999
(AZZA39)		Conveyor Belting	42.00 x 100.00	2	NO	\$1,111
(AZZA40)		Conveyor Belting	42.00 x 110.00	2	NO	\$1,222
(AZZA41)		Conveyor Belting	42.00 x 120.00	2	NO	\$1,333
(AZZA42)		Conveyor Belting	42.00 x 130.00	2	NO	\$1,444
(AZZA43)		Conveyor Belting	42.00 x 140.00	2	NO	\$1,555
(AZZA44)		Conveyor Belting	42.00 x 150.00	2	NO	\$1,666
(AZZA45)		Conveyor Belting	48.00 x 50.00	3	NO	\$1,066
(AZZA46)		Conveyor Belting	48.00 x 60.00	3	NO	\$1,279
(AZZA47)		Conveyor Belting	48.00 x 70.00	3	NO	\$1,492
(AZZA48)		Conveyor Belting	48.00 x 80.00	3	NO	\$1,705
(AZZA49)		Conveyor Belting	48.00 x 90.00	3	NO	\$1,918
(AZZA50)		Conveyor Belting	48.00 x 100.00	3	NO	\$2,131
(AZZA51)		Conveyor Belting	48.00 x 110.00	3	NO	\$2,345
(AZZA52)		Conveyor Belting	48.00 x 120.00	3	NO	\$2,557
(AZZA53)		Conveyor Belting	48.00 x 130.00	3	NO	\$2,771
(AZZA54)		Conveyor Belting	48.00 x 140.00	3	NO	\$2,983
(AZZA55)		Conveyor Belting	48.00 x 150.00	3	NO	\$3,197
(AZZA56)		Conveyor Belting	60.00 x 50.00	4	NO	\$2,507
(AZZA57)		Conveyor Belting	60.00 x 60.00	4	NO	\$3,009

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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	\$3,511
(AZZA59)		Conveyor Belting	60.00 x 80.00	4	NO	\$4,013
(AZZA60)		Conveyor Belting	60.00 x 90.00	4	NO	\$4,515
(AZZA61)		Conveyor Belting	60.00 x 100.00	4	NO	\$5,016
(AZZA62)		Conveyor Belting	60.00 x 110.00	4	NO	\$5,517
(AZZA63)		Conveyor Belting	60.00 x 120.00	4	NO	\$6,019
(AZZA64)		Conveyor Belting	60.00 x 130.00	4	NO	\$6,520
(AZZA65)		Conveyor Belting	60.00 x 140.00	4	NO	\$7,022
(AZZA66)		Conveyor Belting	60.00 x 150.00	4	NO	\$7,524

(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 group A through group E multiplied by the Wheel Position Factor (WPF), and for drive tires only, the Grade Factor (GF). These factors provide a percentage reduction to the maximum tire life. See chapter 2 for tire methodology.

Drive Tires: Useful Tire Life = (CF x WPF x GF)

All Other Tires: Useful Tire Life = (CF x WPF)

EXAMPLE

(Condition Factors, Wheel Position Factors, and Grade Factor
 are from GMC Terex Guide.)

Factors are specifically for a rear dump wagon.

<u>Condition Factors (CF):</u>		<u>Average</u>	<u>Severe</u>
A	Maintenance	1.00	1.00
B	Speeds	0.80	0.85
C	Curves	1.00	0.90
D	Surface Condition	0.90	0.70
E	Loads	0.90	0.80
CF	<i>Product of the factors (A x B x C x D x E)</i>	0.65	0.43
<u>Wheel Position Factors (WPF):</u>			
WPF-FT	Front Tire (FT)	0.90	0.90
WPF-DTR	Drive Tire (DT) - Rear Dump	0.70	0.70
WPF-TT	Trailing Tire (TT)	1.00	1.00
<u>Grade Factor (GF):</u>			
GF	Grade Factor (Drive Tires Only)	0.085	0.75

**APPENDIX G
TIRE LIFE AND TIRE WEAR FACTORS (Continued)**

SECTION I. TIRE WEAR FACTORS (Continued)

EXAMPLE (Continued)

	<u>Average</u>	<u>Severe</u>
Front Tire - Average = (CF = 0.65)(WPF-FT = 0.90)	0.59	
Front Tire - Severe = (CF = 0.43)(WPF-FT = 0.90)		0.39
Drive Tire - Average = (CF = 0.65)(WPF-DTR = 0.70)(GF = 0.85)	0.39	
Drive Tire - Severe = (CF = 0.43)(WPF-DTR = 0.70)(GF = 0.75)		0.22
Trailing Tire - Average = (CF = 0.65)(WPF-TT = 1.00)	0.65	
Trailing Tire - Severe = (CF = 0.43)(WPF-TT = 1.00)		0.43

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	- VOGELE AMERICA - PRO-PAV DIV.
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)
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.
IA	- INGERSOLL RAND CO.
IB	- INGERSOLL RAND CO.
IC	- INTERNATIONAL CONSTRUCTION EQUIPMENT, INC
ID	- KOMATSU DRESSER
IE	- IDEAL LIMITED, INC.
IF	- INGERSOLL RAND CO.
IG	- INGRAM MANUFACTURING CO.

APPENDIX H MANUFACTURER LIST

CODE	MANUFACTURER
IH	- NAVISTAR INTERNATIONAL TRANSPORTATION
IM	- INNOVATIVE MATERIAL SYSTEMS, INC. (IMS)
IN	- INGERSOLL RAND CO.
IP	- INGERSOLL RAND CO.
IR	- INGERSOLL RAND CO.
IS	- INSLEY DIVISION
IT	- NAVISTAR INTERNATIONAL CORPORATION
JC	- JCB INC.
JD	- DEERE & COMPANY
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.
KR	- KORI CORPORATION
KU	- KUBOTA TRACTOR CORPORATION
KW	- KERSHAW MFG., CO.
KZ	- KEIZER TECHNOLOGIES AMERICAS, INC
LA	- LAYTON MANUFACTURING COMPANY

APPENDIX H MANUFACTURER LIST

CODE MANUFACTURER

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

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.

ML - ITT MARLOW PUMPS

MM - MACO-MUEDON

MN - MAC CORPORATION

MO - MORGEN MANUFACTURING CO.

APPENDIX H MANUFACTURER LIST

CODE	MANUFACTURER
MQ	- MORBARK, INC.
MR	- 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.
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
PI	- PIQUA ENGINEERING
PL	- PRO-LINE / ANVIL ATTACHMENTS
PN	- PEMBERTON, INC.
PO	- PROGRESSIVE DEVELOPMENT INC.
PP	- PACIFIC RUBBER
PR	- USFILTER PERRIN PRODUCTS

APPENDIX H MANUFACTURER LIST

CODE MANUFACTURER

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

SA - SAUERMAN

SB - SCAT TRAK - OMNIQUIP - TEXTRON INC.

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.

APPENDIX H MANUFACTURER LIST

CODE	MANUFACTURER
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	- SELICK 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
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.

APPENDIX H MANUFACTURER LIST

CODE MANUFACTURER

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

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

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 (Continued)
(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%

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

CAT . SUB	DESCRIPTION
C90.01	TRUCK CRANES - LESS THAN 25 TONS (Continued) 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

CAT . SUB	DESCRIPTION
H25	EXCAVATORS, HYDRAULIC (Continued)
H30	Reverse signal (backup) alarm ROPS Fire extinguisher 5-B:C
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 <u>Machines less than 7 cy:</u> General purpose or excavating bucket with bolt on cutting edge and no teeth <u>Machines 7 cy or larger:</u> 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

CAT . SUB	DESCRIPTION
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 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	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

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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								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
SUB	DESCRIPTION	EK	C	DC	LIFE	SLV							
B15 0.00	BROOMS, STREET SWEEPERS & FLUSHERS	95	A	B	8,000	0.10		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0.80
B25 0.00	BUCKETS, CLAMSHELL	15	A	B	8,000	0.10		<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.70
B25 0.00	BUCKETS, CLAMSHELL	15	S	B	6,500	0.10		<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.80
B35 0.00	BUCKETS, DRAGLINE	1						<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B35 0.10	LIGHT WEIGHT	15	A	B	8,000	0.10		<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.70
B35 0.10	LIGHT WEIGHT	15	S	B	6,500	0.10		<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.80
B35 0.20	MEDIUM WEIGHT	15	A	B	9,000	0.10		<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.70
B35 0.20	MEDIUM WEIGHT	15	S	B	7,000	0.10		<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.80
B35 0.30	HEAVY WEIGHT	15	A	B	10,000	0.10		<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.70
B35 0.30	HEAVY WEIGHT	15	S	B	8,000	0.10		<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.80
G15 0.00	GRADERS, MOTOR	35	A	B	14,500	0.25		<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0.75
G15 0.00	GRADERS, MOTOR	35	S	B	13,500	0.25		<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0.85
H25 0.00	HYDRAULIC EXCAVATORS, CRAWLER MOUNTED	1						<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
H25 0.10	0 LBS THRU 12,500 LBS (COMPACT EXCAVATORS)	65	A	B	8,000	0.25		<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.70
H25 0.10	0 LBS THRU 12,500 LBS (COMPACT EXCAVATORS)	65	S	B	7,000	0.25		<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.80
H25 0.11	OVER 12,500 LBS THRU 40,000 LBS	65	A	B	8,500	0.25		<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.70
H25 0.11	OVER 12,500 LBS THRU 40,000 LBS	65	S	B	7,000	0.25		<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.85
H25 0.12	OVER 40,000 LBS THRU 100,000 LBS	65	A	B	12,000	0.25		<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.80
H25 0.12	OVER 40,000 LBS THRU 100,000 LBS	65	S	B	10,000	0.25		<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.95
H25 0.13	OVER 100,000 LBS THRU 160,000 LBS	65	A	B	16,000	0.25		<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.00
H25 0.13	OVER 100,000 LBS THRU 160,000 LBS	65	S	B	13,500	0.25		<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.10
H25 0.14	OVER 160,000 LBS	65	A	B	19,000	0.25		<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.10
H25 0.14	OVER 160,000 LBS	65	S	B	15,000	0.25		<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.25
H30 0.00	HYDRAULIC EXCAVATORS, WHEEL MOUNTED	1						<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
H30 0.01	0 THRU 1.0 CY	65	A	B	8,000	0.25		<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.50
H30 0.01	0 THRU 1.0 CY	65	S	B	6,500	0.25		<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.55
H30 0.02	OVER 1.0 CY	65	A	B	10,000	0.25		<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.60
H30 0.02	OVER 1.0 CY	65	S	B	8,000	0.25		<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.65

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RCF=Repair Cost Factor

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SLV=Salvage Value

APPENDIX L

Ground Engaging Component Costs Included in Repairs (RCF)

CATEGORY								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
	SUB	DESCRIPTION	EK	C	DC	LIFE	SLV						
H35	0.00	HYDRAULIC SHOVELS, CRAWLER MOUNTED	1					<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
H35	0.11	DIESEL, 0 CY THRU 5.0 CY	65	A	B	14,000	0.20	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.00
H35	0.11	DIESEL, 0 CY THRU 5.0 CY	65	S	B	12,000	0.20	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.10
H35	0.12	DIESEL, OVER 5.0 CY	65	A	B	16,000	0.20	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.20
H35	0.12	DIESEL, OVER 5.0 CY	65	S	B	14,000	0.20	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.30
H35	0.21	ELECTRIC, OVER 2.5 CY	65	A	B	18,000	0.20	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.80
H35	0.21	ELECTRIC, OVER 2.5 CY	65	S	B	16,000	0.20	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.90
L35	0.00	LOADERS, FRONT END, CRAWLER TYPE	40	A	B	10,000	0.20	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.10
L35	0.00	LOADERS, FRONT END, CRAWLER TYPE	40	S	B	8,000	0.20	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.25
L40	0.00	LOADERS, FRONT END, WHEEL TYPE	1					<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
L40	0.11	ARTICULATED, 0 THRU 225 HP	45	A	B	9,250	0.25	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.70
L40	0.11	ARTICULATED, 0 THRU 225 HP	45	S	B	8,750	0.25	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.80
L40	0.12	ARTICULATED, OVER 225 HP	45	A	B	13,500	0.20	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.70
L40	0.12	ARTICULATED, OVER 225 HP	45	S	B	12,000	0.20	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.75
L40	0.20	SKID STEER	45	A	B	8,000	0.20	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.80
L40	0.31	TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP	45	A	B	10,000	0.25	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0.85
L40	0.31	TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP	45	S	B	9,250	0.25	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0.90
L40	0.32	TOOL CARRIER & TELESCOPIC HANDLERS, OVER 225 HP	45	A	B	12,000	0.15	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0.85
L40	0.32	TOOL CARRIER & TELESCOPIC HANDLERS, OVER 225 HP	45	S	B	10,000	0.15	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0.90
L45	0.00	LOADERS / BACKHOE, CRAWLER TYPE	40	A	B	8,000	0.20	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.35
L45	0.00	LOADERS / BACKHOE, CRAWLER TYPE	40	S	B	6,000	0.20	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.40
L50	0.00	LOADERS / BACKHOE, WHEEL TYPE	45	A	B	10,000	0.25	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.80
L50	0.00	LOADERS / BACKHOE, WHEEL TYPE	45	S	B	6,000	0.25	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.85
L60	0.00	LOG SKIDDERS	75	A	B	10,000	0.15	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0.70
L60	0.00	LOG SKIDDERS	75	S	B	8,000	0.15	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0.80
P35	0.00	PIPELAYERS	70	A	B	14,000	0.20	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0.95
P35	0.00	PIPELAYERS	70	S	B	11,500	0.20	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1.10
R30	0.00	ROLLERS, STATIC, SELF-PROPELLED	1					<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

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APPENDIX L

Ground Engaging Component Costs Included in Repairs (RCF)

CATEGORY								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
SUB	DESCRIPTION	EK	C	DC	LIFE	SLV						
R30 0.03	TAMPING FOOT, LANDFILL & SOIL COMPACTORS	55	A	B	12,000	0.20		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0.80
S10 0.00	SCRAPERS, ELEVATING	1						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
S10 0.01	0 THRU 200 HP	60	A	B	10,000	0.20		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0.90
S10 0.01	0 THRU 200 HP	60	S	B	8,000	0.20		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1.00
S10 0.02	OVER 200 HP	60	A	B	13,000	0.25		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0.95
S10 0.02	OVER 200 HP	60	S	B	11,500	0.25		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1.00
S15 0.00	SCRAPERS, CONVENTIONAL	60	A	B	15,000	0.20		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0.80
S15 0.00	SCRAPERS, CONVENTIONAL	60	S	B	12,500	0.20		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0.85
S20 0.00	SCRAPERS, TANDEM POWERED	60	A	B	15,000	0.20		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0.85
S20 0.00	SCRAPERS, TANDEM POWERED	60	S	B	13,500	0.20		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0.90
S25 0.00	SCRAPERS, TRACTOR DRAWN	60	A	B	12,000	0.20		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0.70
S25 0.00	SCRAPERS, TRACTOR DRAWN	60	S	B	10,000	0.20		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0.75
T15 0.00	TRACTORS, CRAWLER (DOZER) (includes blade)	1						<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
T15 0.01	0 THRU 225 HP	70	A	B	10,000	0.30		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.10
T15 0.01	0 THRU 225 HP	70	S	B	8,000	0.30		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.25
T15 0.02	226 HP THRU 425 HP	70	A	B	12,500	0.25		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.20
T15 0.02	226 HP THRU 425 HP	70	S	B	10,500	0.25		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.25
T15 0.03	OVER 425 HP	70	A	B	15,000	0.20		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.20
T15 0.03	OVER 425 HP	70	S	B	12,500	0.20		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.35
T20 0.00	TRACTORS, WHEEL TYPE (DOZER)	75	A	B	14,000	0.15		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.60
T20 0.00	TRACTORS, WHEEL TYPE (DOZER)	75	S	B	13,000	0.15		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.65

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