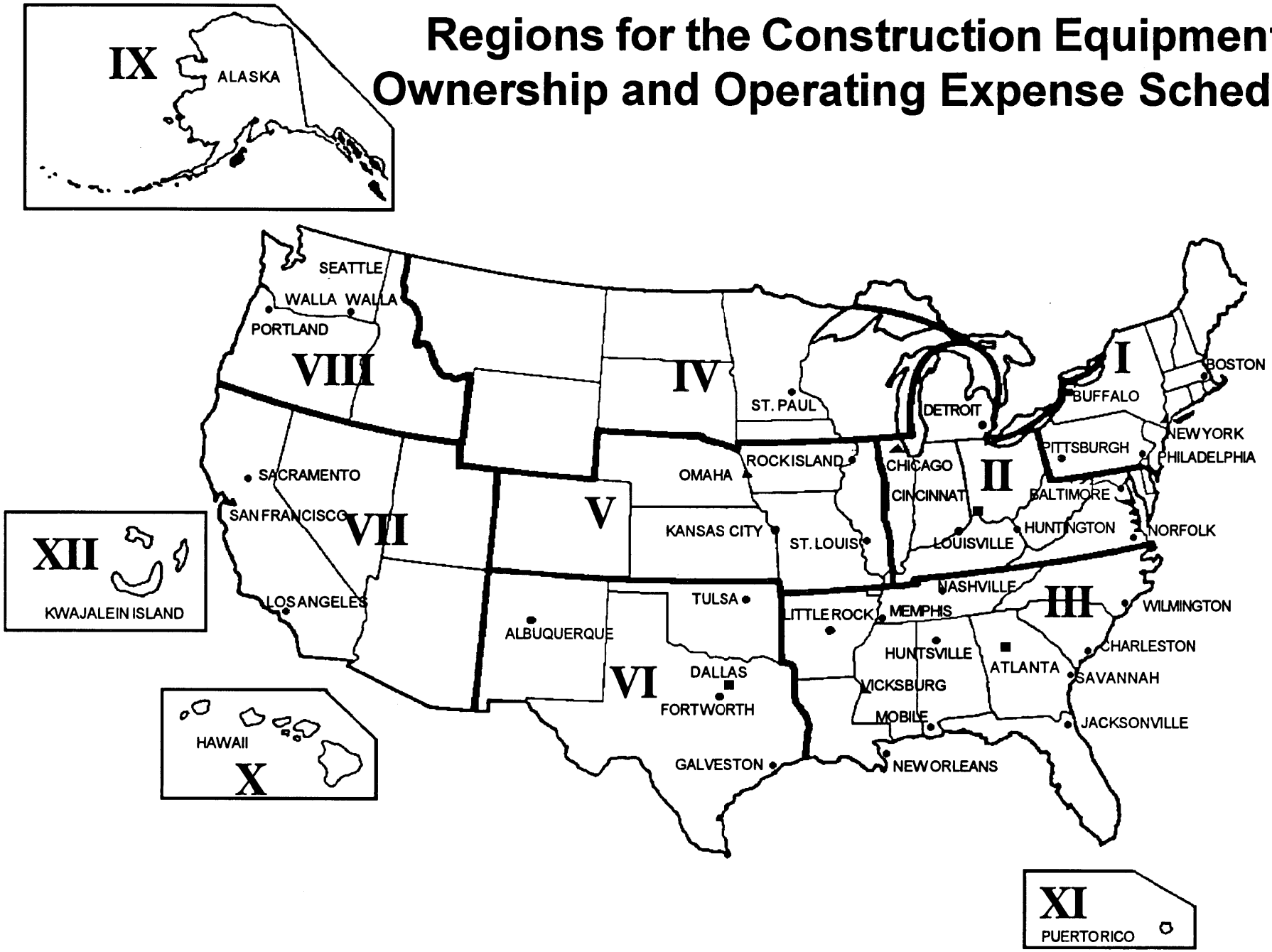
EP 1110-1-8
Volume 9
August 2001

US Army Corps
of Engineers ®

Construction Equipment Ownership and Operating Expense Schedule

Region IX

Regions for the Construction Equipment Ownership and Operating Expense Schedule



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

EP 1110-1-8
(Vol. 9)

CECW-EC

Pamphlet
No. 1110-1-8

31 August 2001

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 dredges and attendant plant 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 IX which includes the following states:

Alaska

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

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

FOR THE COMMANDER:

11 Appendixes
(See Table of Contents)

ROBERT CREAR
Colonel, Corps of Engineers
Chief of Staff

This pamphlet supercedes EP 1110-1-8, dated 30 June 1999.

CONSTRUCTION EQUIPMENT OWNERSHIP AND OPERATING EXPENSE SCHEDULE

TABLE OF CONTENTS

CHAPTER 1. INTRODUCTION

Page
1-1. Use 1-1
1-2. How to Obtain Assistance 1-1
1-3. How to Obtain CHECKRATE Software 1-1
1-4. How to Obtain this Publication 1-2

CHAPTER 2. METHODOLOGY FOR CONSTRUCTION EQUIPMENT

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

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

SECTION III. EQUIPMENT SELECTION 2-3
2-6. General 2-3
2-7. Truck Selection 2-3
2-8. Crawler Tractor Selection 2-3
2-9. Equipment Accessories 2-3

SECTION IV. EQUIPMENT VALUE 2-4
2-10. List Price + Accessories 2-4
2-11. Discount Code 2-4
2-12. Sales or Import Tax 2-4
2-13. Freight 2-4
2-14. Total Equipment Value (TEV) 2-4

SECTION V. LIFE 2-4
2-15. Economic Life 2-4
2-16. Working Hours Per Year 2-5

SECTION VI. SALVAGE VALUE 2-5
2-17. Salvage Value (SLV) 2-5
2-18. Salvage Value Percentages 2-5

TABLE OF CONTENTS (continued)
CHAPTER 2 (continued)

SECTION VII. OWNERSHIP COST 2-5
2-19. Ownership Elements 2-5
2-20. Depreciation 2-6
2-21. Facilities Capital Cost of Money 2-6

SECTION VIII. OPERATING COST 2-7
2-22. Operating Cost Elements 2-7
2-23. Fuel Cost 2-7
2-24. Filter, Oil, and Grease (FOG) Cost 2-9
2-25. Repair Cost 2-10
2-26. Tire Cost 2-11

SECTION IX. STANDBY HOURLY RATE 2-12
2-27. Standby Hourly Rate 2-12

SECTION X. RATE CALCULATION EXAMPLE 2-13
2-28. Computation Example 2-13

CHAPTER 3. ADJUSTMENTS TO HOURLY RATES

SECTION I. GENERAL 3-1
3-1. Contents 3-1
3-2. Basis for Equipment Rates 3-1
3-3. Equipment Rate Adjustment Tables 3-1
3-4. Determination for use of Equipment Rates in Table 2-1 3-1

SECTION II. RATE ADJUSTMENTS 3-2
3-5. Rate Adjustments 3-2
3-6. Changes in Operating Conditions 3-2
3-7. Change in Facilities Capital Cost of Money (FCCM) Rate 3-2
3-8. Actual Work Hours Exceed 40 Hours per Week 3-3
3-9. Changes in Fuel Cost 3-4
3-10. Adjustments to FOG Cost 3-4
3-11. Equipment of different age than Table 2-1 3-4
3-12. Rate Adjustment for Overage Equipment 3-5
3-14. Standby Rate Adjustment, Equipment of Different Age than Table 2-1 ... 3-6
3-15. Equipment Purchased Used 3-7
3-16. Rate Calculation Example 3-7

TABLE OF CONTENTS (continued)

CHAPTER 4. METHODOLOGY FOR DREDGING PLANT

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

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

SECTION III. LIFE 4-2
4-4. Life 4-2
4-5. Annual Hours Available 4-3

SECTION IV. SALVAGE VALUE 4-3
4-6. Salvage Value 4-3

SECTION V. OWNERSHIP COST 4-3
4-7. Ownership Cost 4-3
4-8. Depreciation 4-4
4-9. Facilities Capital Cost of Money (FCCM) 4-4
4-10. Other Ownership Elements 4-5

SECTION VI. OPERATING FACTORS 4-5
4-11. Hourly Operating Cost 4-5
4-12. Prime and Secondary Power 4-5
4-13. Water, Lube, and Supplies (WLS) 4-5
4-14. Repairs (RPR) 4-6

SECTION VII. STANDBY 4-7
4-15. Standby Rate 4-7

SECTION VIII. NEGOTIATED PROCUREMENT 4-7
4-16. Rates 4-7
4-17. Allowance for Additional Capital Improvements 4-7
4-18. Overage Plant 4-8
4-19. Dredge Plant Purchased Used 4-8

SECTION IX. RATE CALCULATION EXAMPLE 4-8
4-20. Rate Calculation Example 4-8

TABLE OF CONTENTS (continued)

TABLES

Table 2-1. Hourly Equipment Ownership and Operating Expense 2-20
Table 2-2. Hourly Rate Elements 2-173
Table 3-1. Equipment Age Adjustment Factors for Ownership Costs 3-8
Table 3-2. Equipment Age Adjustment Factors for Standby Costs 3-27
Table 4-1. Dredging Plant Expense Factors.....4-9

FIGURES

Figure 2-1. Equipment Rate Computation Worksheet 2-14
Figure 3-1. Total Hourly Rate Calculation for Overage Equipment.....3-20
Figure 3-2. Standby Hourly Rate Calculation for Overage Equipment.....3-39
Figure 4-1. Month Available by Region.....4-2
Figure 4-2. Dredge Plant Ownership and Operating Rate Worksheet.....4-13

APPENDIXES

Appendix A References.....A-1
Appendix B Area Factors B-1
Appendix C Guide for Selecting Operating Conditions C-1
Appendix D Equipment Hourly Expense Calculation Factors D-1
Appendix E Economic Indexes for Construction Equipment.....E-1
Appendix F Tire Description and Tire Cost.....F-1
Appendix G Tire Life and Tire Wear Factors..... G-1
Appendix H Manufacturer List H-1
Appendix I Federal Cost-Of-Money Rate I-1
Appendix J Equipment Accessories J-1
Appendix K Acronyms K-1

EQUIPMENT INDEX Index-1

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 equipment that is contractor-owned.

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 as defined in Federal Acquisition Regulation (FAR) Part 15.4, *Contract Pricing,* is not required.

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

(3) Cost or pricing data is required and available, but all or part of the data is determined not to be in accordance with the 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. The CENWW-ED-C Internet homepage is at http://www.nww.usace.army.mil/cost.

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 at http://www.nww.usace.army.mil/cost.

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

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 1998 (3-years-old). List prices for equipment manufactured in years other than 1998 have been adjusted to 1998 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 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 and facilities capital cost of money.

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

It should also be noted that replacement cost is not included in the rates, as it is not an allowable item of cost per Federal Acquisition Regulation (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) Job site 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, that 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 the contract specifications, the site conditions, the basis of any supporting evidence, and the

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 (Appendix H), 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*, Primedia, Inc.,.

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 (hr) 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 2001 CMR (6.375% 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% to avoid duplication when applying estimated markups for overhead and profit. The discounted CMR is then 5.100%. 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:

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

Where:

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

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

(3) Discounted CMR = 6.375% (Jan – Jun 2001 rate) / 1.25 = 5.100%

SECTION VIII. OPERATING COST

2-22. Operating Cost Elements.

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

2-23. 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:

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

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

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

c. Fuel Factor - Gas or Diesel Fuel. The fuel factor in gallons per brake horsepower-hour (bhp-hr) is listed in Appendix D for both average and severe conditions. Fuel factors are also listed for both the engine powering the main equipment (prime engine) and the engine providing power to the carrier vehicle. For

severe conditions, the fuel consumption rate is 30 percent greater than the average condition rate. Gas or diesel fuel factors are computed by using the following formula:

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

Where:

(1) 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 job site efficiency. This pamphlet provides an estimated average HPF, not a specific factor.

(2) Pounds 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:

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

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. Filter, 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:

FOG Cost/hr = FOG Factor x Fuel Cost/hr x 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 Table 2-1 and Table 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) 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:

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

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 repair cost factor to current price levels. The EAF is equal to the economic index for the present year divided by the economic index for the year the equipment was manufactured. 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 repair cost factor are shown in Appendix D under the column heading RCF and are expressed as decimal factors. These repair cost factors (for both the average and severe conditions) compensate for the following cost elements:

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

(2) Repair parts and supplies includes those items 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 repair and maintenance work, including tools.

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

2-26. 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:

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

Where:

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

(2) Current Tire Cost is the estimated cost that applies to all tires on the equipment in that position. For example, four new drive tires valued at $500 each would

result in an amount of $2,000 for total drive tire cost. The size and cost of each tire used in the pamphlet are listed for information in Appendix F.

(3) Tire Life Factor is estimated at 1.8, which represents the original tire life plus one recap. It has been estimated that a recap lasts approximately 80 percent of the life of a new tire.

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

(5) Maximum Tire Life expressed in hours is shown for various new tire types in Appendix F 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:

Tire Repair Cost = Total Hourly Tire Wear Cost x 0.15 x 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 work week) plus one-half of the hourly depreciation. It is expressed as a formula, as follows:

Standby Rate/hr = (DEPR/hr x 0.50) + FCCM/hr

a. Paid standby shall not exceed 40 hours per week (7 calendar days) (based on a 40 hour work week) 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.

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

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

1. EQUIPMENT INFORMATION AND EXPENSE FACTORS

ID No: C90LI007

a. Equipment Specification Data:

(1) Equipment Description: CRANE, MECH, TRK MTD, 150T/280' BOOM

(2) Model and Series: LINK-BELT HC-238H

(3) Present Year or Year of Use: 2001

(4) Year Manufactured: 1998

(5) Horsepower - Equipment: 207.0

(6) Horsepower - Carrier: 430.0

(7) Fuel type: - Equipment: gas/diesel off-road/diesel on-road/electric/air D-off
- Carrier: gas/diesel off-road/diesel on-road/electric air D-on

(8) Shipping Weight (cwt): 2,012

(9) Tire size and number of tires: (Cost of tires based on present year - see 1.a.(3) and Appendix F)

		Size/Ply	No.	Unit Price	Cost
(a)	Front (FT):	14-24	4	$ 962.00	$ 3,848
(b)	Drive (DT):	14-24	8	$ 962.00	$ 7,696
(c)	Trailing (TT):			$	$
(d)	Total Tire Cost:				$ 11,544

USE APPENDIX D TO COMPLETE THE FOLLOWING DATA:

b. Category and Subcategory Number: C90-0.04

c. Hourly Expense Calculation Factors:

(1) Economic Key (EK): 20

(2) Condition (C): Average or Severe AVERAGE

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

(4) Life in Hours (LIFE): 22,000

(5) Salvage Value Percentage (SLV): 0.20

(6) Fuel Factor - Equipment [Electric (E) Gas (G) Diesel (D)]: 0.026

(7) Fuel Factor - Carrier (E G D): 0.005

(8) Filter, Oil, and Grease (FOG) Factor (E G D): 0.276

(9) Tire Wear Factor:

(a) Front (FT): 0.97

(b) Drive (DT): 0.78

(c) Trailing (TT):

(10) Repair Cost Factor (RCF): 0.90

Page 1 of 6

Figure 2-1. Equipment Rate Computation Worksheet

2. EQUIPMENT VALUE

a. List Price + Accessories: *[at Year (yr) of Manufacture]* =$ 1,092,518

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

($ 1,092,518) x (0.075) =-($ 81,939)

(2) Subtotal [2.a.] - [2.a.(1)] Subtotal =$ 1,010,579

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

($ 1,010,579) x (0.00) =+$ 0

(4) Total Discounted Price: Subtotal: [2.a.(2)] + [2.a.(3)] Subtotal =$ 1,010,579

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

(2,012 cwt) x ($ 11.50 /cwt) =+$ 23,138

c. TOTAL EQUIPMENT VALUE (TEV): **TOTAL [2.]: =$** 1,033,717
[(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]

(22,000 hr) / (1,040 hr/yr) = 21.15 yr(N)

4. OWNERSHIP COST

a. Depreciation

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

(2400) / (2449) = 0.98 (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)]

[($ 1,033,717) x [1.0 – (0.20)] - [(0.98) x ($ 11,544)]] / (22,000 hr)

=$ 37.08 /hr

Page 2 of 6

Figure 2-1. Equipment Rate Computation Worksheet

4. OWNERSHIP COST (Continued)

b. Facilities Capital Cost of Money (FCCM):

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

[[(21.15 yr) - 1.0] x [1.0 + (0.20)] + 2.0] / [2.0 x (21.15 yr)] = 0.619 (AVF)

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

($ 1,033,717) x (0.619) x (0.051) / (1,040 hr/yr)

=$ 31.38 /hr

c. **TOTAL HOURLY OWNERSHIP COST:** **TOTAL [4.]: =$** 68.46 /hr
[4.a.(2)] + [4.b.(2)]

5. OPERATING COST

a. Fuel Costs:

(1) Equipment:

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

(0.026) x (207 hp) x ($ 1.16 /gal) =$ 6.24 /hr

(2) Carrier:

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

(0.005) x (430 hp) x ($ 1.40 /gal) =$ 3.01 /hr

(3) Total Hourly Fuel Cost: **Total [5.a.]** =$ 9.25 /hr
[(5.a (1)] + [5.a (2)]

b. FOG Cost:

(1) Equipment:

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

(0.276) x ($ 6.24 /hr) x (1.22) =$ 2.10 /hr

Page 3 of 6

Figure 2-1. Equipment Rate Computation Worksheet

5. OPERATING COST (Continued)

(2) Carrier:

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

(0.276) x ($ 3.01 /hr) x (1.22) =$ 1.01 /hr

(3) Total Hourly FOG Cost: **Total [5.b.]** =$ 3.11 /hr
[(5.b.(1)] + [5.b.(2)]

c. Alternative Fuel/FOG Cost: **Total [5.c.]** =$ 0 /hr
(See chapter 2, paragraph 24.d. for guidance on when to use.)

d. Repair Cost:

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

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

(5480) / (5225) = 1.049 (EAF)

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

(2) Repair Factor (RF):

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

(0.90) x (1.049) x (1.22) = 1.152 (RF)

(3) Repair Cost

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

[($ 1,033,717) - [(0.98) x ($ 11,544)]] x (1.152) / (22,000)

(4) Total Hourly Repair Cost: **Total [5.d.]** =$ 53.54 /hr

Page 4 of 6

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):

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

[1.5 x ($ 3,848)] / [1.8 x (0.97) x (2,800 hr)]

=$ 1.18 /hr

(2) Drive Tires (DT):

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

[1.5 x ($ 7,696)] / [1.8 x (0.78) x (2,800 hr)]

=$ 2.94 /hr

(3) Trailing Tires (TT):

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

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

=$ 0 /hr

(4) Total Tire Wear Cost: **Total [5.e.]** =$ 4.12 /hr
[Sum 5.e.(1) through 5.e.(3)]

f. Tire Repair Cost:

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

($ 4.12 /hr x 0.15 x (1.22) **Total [5.f.]** =$ 0.75 /hr

g. TOTAL HOURLY OPERATING COST: **TOTAL [5.]: =$** 70.77 **/hr**
[Sum 5.a. through 5.f.]

Page 5 of 6

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)
[4.c.] [5.g.]

($ 68.46 /hr) + ($ 70.77 /hr) =$ 139. 23 /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.]

[($ 37.08 /hr) + [($ 31.38 /hr) x (40 hr/wk) / (60 hr/wk)] + ($ 70.77 /hr)]

=$ 128.77 /hr

c. Standby Hourly Rate:

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

[($ 37.08 /hr) x 0.50] + ($ 31.38 /hr) =$ 49.92 /hr

See Chapter 3 if rate adjustments are necessary.

Page 6 of 6

Figure 2-1. Equipment Rate Computation Worksheet

TABLE 2-1

HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

EXPLANATION OF TABLE HEADINGS

Example unit of equipment: Link Belt, Model HC-238H, 150 Ton, 280-boom.

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

ID No.: C90AM001 is the unique identification number for the above American Crane. AM equals the manufacturer (see Appendix H). 001 equals the numeric order of this unit of equipment within the manufacturer's listing.

MODEL: 5530 is the equipment model number.

EQUIPMENT DESCRIPTION: Specific information for each particular unit of equipment is described, such as "75 ton with a 170-foot boom" for the American Crane.

ENGINE HORSEPOWER & FUEL TYPE. The amount of horsepower and type of fuel used is stated for the main and carrier engines. The American Crane carrier has a 238-horsepower engine, and the crane has a 128-horsepower engine. Both engines are diesel (D).

VALUE (TEV): This column reflects the predetermined "equipment cost" used to compute the rates and is based on equipment purchased new in 1998.

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 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
A10	**AGGREGATE / CHIP SPREADERS**											
	SUBCATEGORY 0.10		**SELF-PROPELLED**									
			E.D. ETNYRE & COMPANY									
	A10ET001		10.0' WIDE HOPPER, MECHANICAL DRIVE	148 HP D-off		$94,382	32.10	7.71	9.37	3.02	6.18	165
	A10ET002		13.0' WIDE HOPPER, MECHANICAL DRIVE	185 HP D-off		$98,491	35.17	8.04	9.78	3.15	7.73	170
	A10ET003		10.0' WIDE HOPPER, HYDROSTATIC DRIVE SELF PROPELLED	148 HP D-off		$101,761	33.96	8.30	10.10	3.25	6.18	165
	A10ET004		13.0' WIDE HOPPER, HYDROSTATIC DRIVE SELF PROPELLED	185 HP D-off		$103,249	36.37	8.43	10.25	3.30	7.73	170
			ROSCO MANUFACTURING COMPANY									
	A10RS001	SPR-H	13.5' WIDE HOPPER, MECHANICAL	152 HP D-off		$90,411	31.30	7.36	8.93	2.89	6.35	156
	A10RS002	SPRH-H	13.5' WIDE HOPPER, MECHANICAL	152 HP D-off		$108,123	35.81	8.81	10.70	3.46	6.35	156
	SUBCATEGORY 0.20		**TOWED & TAILGATE**									
			AMERICAN ROAD MACHINERY									
	A10AR001	TG-505C	8.0' WIDE TAILGATE SPREADER (ADD DUMP TRUCK)			$3,837	1.14	0.39	0.51	0.13	0.00	5
	A10AR002	ODELL 900	8.0' WIDE SPREADER, TOWED, ASPHALT & AGGREGATE SPREADING 8" (ADD DUMP TRUCK)			$9,688	2.87	0.97	1.29	0.32	0.00	22
A15	**AIR COMPRESSORS, PORTABLE**											
	SUBCATEGORY 0.10		**ROTARY SCREW**									
			SULLAIR									
	A15SR003	100	100 CFM QUIET, 100 PSI (ADD HOSE)	49 HP D-off		$14,674	6.02	1.05	1.17	0.46	2.22	23
	A15SR004	185	185 CFM QUIET, 100 PSI (ADD HOSE)	78 HP D-off		$17,127	8.32	1.23	1.37	0.54	3.53	24
	A15SR005	250	250 CFM QUIET, 100 PSI (ADD HOSE)	80 HP D-off		$22,063	9.45	1.58	1.77	0.69	3.62	26
	A15SR001	750XH	720 CFM QUIET, 300 PSI (ADD HOSE)	300 HP D-off		$112,389	41.50	8.01	8.93	3.54	13.57	105
	A15SR002	900XH	900 CFM QUIET, 350 PSI (ADD HOSE)	440 HP D-off		$137,965	55.38	9.82	10.95	4.34	19.91	157

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
			NO SPECIFIC MANUFACTURER										
	A15XX001		100 CFM QUIET, 100 PSI (ADD HOSE)	50 HP	G		$13,978	12.05	0.99	1.10	0.44	6.49	20
	A15XX002		100 CFM QUIET, 100 PSI (ADD HOSE)	35 HP	D-off		$14,876	5.20	1.06	1.17	0.47	1.58	17
	A15XX004		125 CFM QUIET, 100 PSI (ADD HOSE)	49 HP	D-off		$15,700	6.24	1.11	1.24	0.49	2.22	17
	A15XX006		175 CFM QUIET, 100 PSI (ADD HOSE)	57 HP	D-off		$20,743	7.76	1.47	1.64	0.65	2.58	19
	A15XX008		185 CFM QUIET, 100 PSI (ADD HOSE)	80 HP	D-off		$22,011	9.43	1.56	1.74	0.69	3.62	21
	A15XX009		250 CFM QUIET, 100 PSI (ADD HOSE)	80 HP	D-off		$32,935	11.69	2.35	2.62	1.04	3.62	30
	A15XX010		375 CFM QUIET, 100 PSI (ADD HOSE)	115 HP	D-off		$42,548	15.81	3.00	3.32	1.34	5.20	35
	A15XX011		450 CFM QUIET, 100 PSI (ADD HOSE)	174 HP	D-off		$53,553	21.71	3.79	4.20	1.69	7.87	43
	A15XX012		600 CFM QUIET, 100 PSI (ADD HOSE)	225 HP	D-off		$76,283	29.51	5.41	6.02	2.40	10.18	69
	A15XX013		750 CFM QUIET, 100 PSI (ADD HOSE)	240 HP	D-off		$82,787	31.77	5.88	6.54	2.61	10.86	72
	A15XX014		900 CFM QUIET, 100 PSI (ADD HOSE)	315 HP	D-off		$90,652	37.99	6.44	7.17	2.85	14.25	101
	A15XX015		1200 CFM QUIET, 100 PSI (ADD HOSE)	350 HP	D-off		$138,364	49.90	9.85	10.98	4.36	15.83	158
	A15XX016		1400 CFM QUIET, 100 PSI (ADD HOSE)	435 HP	D-off		$149,917	57.53	10.66	11.88	4.72	19.68	158
	A15XX017		1600 CFM QUIET, 100 PSI (ADD HOSE)	435 HP	D-off		$151,042	57.76	10.75	11.97	4.76	19.68	158
	A15XX018		1900 CFM QUIET, 100 PSI (ADD HOSE)	525 HP	D-off		$135,962	60.22	9.67	10.77	4.28	23.75	164
	SUBCATEGORY 0.20		**SHOP TYPE**										
			MCMASTER										
	A15MG099	4309K69	115V, 20 GALLON, PORTABLE, MAX 110 PSI	5 HP	E		$609	0.65	0.04	0.04	0.02	0.35	1
A20	**AIR HOSE, TOOLS & EQUIPMENT**												
	SUBCATEGORY 0.10		**AIR HOSE**										
			NO SPECIFIC MANUFACTURER										
	A20XX001	HARDROCK	0.75" DIA., 100' LONG				$148	0.12	0.02	0.04	0.00	0.00	1
	A20XX002	HARDROCK	1.00" DIA., 100' LONG				$459	0.37	0.07	0.12	0.01	0.00	1
	A20XX003	HARDROCK	1.25" DIA., 100' LONG				$591	0.49	0.10	0.16	0.02	0.00	1
	A20XX004	HARDROCK	1.50" DIA., 100' LONG				$710	0.59	0.12	0.19	0.02	0.00	1
	A20XX005	HARDROCK	2.00" DIA., 100' LONG				$869	0.73	0.15	0.24	0.03	0.00	1
	A20XX006	HARDROCK	2.50" DIA., 100' LONG				$1,267	1.06	0.21	0.34	0.04	0.00	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
A20			*NO SPECIFIC MANUFACTURER (continued)*									
	A20XX007	HARDROCK	3.00" DIA., 100' LONG			$1,549	1.30	0.26	0.42	0.05	0.00	1
	A20XX008	HARDROCK	4.00" DIA., 100' LONG			$2,369	1.98	0.40	0.64	0.08	0.00	2
	A20XX009	YELLOW-LINE	0.75" DIA., 100' LONG			$260	0.22	0.05	0.07	0.01	0.00	1
	A20XX010	YELLOW-LINE	1.00" DIA., 100' LONG			$317	0.27	0.06	0.09	0.01	0.00	1
	A20XX011	YELLOW-LINE	1.25" DIA., 100' LONG			$437	0.36	0.07	0.12	0.01	0.00	1
	A20XX012	YELLOW-LINE	1.50" DIA., 100' LONG			$496	0.41	0.09	0.13	0.02	0.00	1
	A20XX013	YELLOW-LINE	2.00" DIA., 100' LONG			$589	0.49	0.10	0.16	0.02	0.00	1
	A20XX014	YELLOW-LINE	2.50" DIA., 100' LONG			$958	0.80	0.16	0.26	0.03	0.00	1
	A20XX015	YELLOW-LINE	3.00" DIA., 100' LONG			$1,066	0.89	0.18	0.29	0.03	0.00	1
	A20XX016	YELLOW-LINE	4.00" DIA., 100' LONG			$1,518	1.27	0.26	0.41	0.05	0.00	1
	SUBCATEGORY 0.20		**SANDBLAST HOSE**									
			CLEMCO INDUSTRIES CORPORATION									
	A20CM017		0.75" ID, 4 PLY, 100' LONG, 150 PSI			$526	0.47	0.09	0.14	0.02	0.00	1
	A20CM018		1.00" ID, 4 PLY, 100' LONG, 150 PSI			$693	0.62	0.12	0.19	0.02	0.00	1
	A20CM019		1.50" ID, 4 PLY, 100' LONG, 150 PSI			$853	0.76	0.15	0.23	0.03	0.00	1
	A20CM020		1.25" ID, 4 PLY, 100' LONG, 150 PSI			$754	0.66	0.12	0.20	0.02	0.00	1
	SUBCATEGORY 0.30		**SANDBLASTERS, BREAKERS, & MISC. AIR TOOLS**									
			CHICAGO PNEUMATICS TOOL CO.									
	A20CK002	CP-0009F	ROTARY / CHIP HAMMER, 8 LB (ADD COMPR)	20 CFM A		$971	0.48	0.11	0.15	0.03	0.00	1
	A20CK001	CP-0014RR	ROTARY / CHIP HAMMER, 15 LB (ADD COMPR)	32 CFM A		$1,752	0.85	0.18	0.26	0.05	0.00	1
	A20CK003	CP-0022	ROCK DRILL / SINKER DRILL, 30 LB (ADD COMPR)	56 CFM A		$1,922	0.95	0.21	0.29	0.06	0.00	1
	A20CK004	CP-0032A-1	ROCK DRILL / SINKER DRILL, 45 LB (ADD COMPR)	103 CFM A		$2,081	1.02	0.22	0.31	0.06	0.00	1
	A20CK005	CP-0069	ROCK DRILL / SINKER DRILL, 55 LB (ADD COMPR)	130 CFM A		$2,281	1.12	0.24	0.34	0.07	0.00	1
	A20CK006	CP-0111-THLA	BREAKERS, FOUR BOLT, 25 LB (ADD COMPR)	45 CFM A		$1,369	0.68	0.15	0.21	0.04	0.00	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
A20			***CHICAGO PNEUMATICS TOOL CO. (continued)***									
	A20CK007	CP-1210-S	BREAKERS, FOUR BOLT, 35 LB (ADD COMPR)	48 CFM A		$1,282	0.63	0.14	0.19	0.04	0.00	1
	A20CK008	CP-1230-S1.25	BREAKERS, FOUR BOLT, 60 LB (ADD COMPR)	63 CFM A		$1,407	0.69	0.15	0.21	0.04	0.00	1
	A20CK009	CP-1240-S1.12	BREAKERS, FOUR BOLT, 80 LB (ADD COMPR)	81 CFM A		$1,552	0.76	0.17	0.23	0.05	0.00	1
	A20CK010	CP-1240-S1.25	BREAKERS, FOUR BOLT, 90 LB (ADD COMPR)	81 CFM A		$1,552	0.76	0.17	0.23	0.05	0.00	1
			CLEMCO INDUSTRIES CORPORATION									
	A20CM010	PACKAGE TWO	SANDBLASTER, 2 CF CAP, W/ 0.50" X 25' HOSE & ACCESSORIES (ADD COMPR & NOZZLE)			$3,341	1.70	0.35	0.50	0.10	0.00	4
	A20CM011	PACKAGE FOUR	SANDBLASTER, 4 CF CAP, W/ 1.00" X 25' HOSE & ACCESSORIES (ADD COMPR & NOZZLE)			$3,725	1.89	0.39	0.56	0.11	0.00	5
	A20CM012	PACKAGE SIX	SANDBLASTER, 6 CF CAP, W/ 1.25" X 25' HOSE & ACCESSORIES (ADD COMPR & NOZZLE)			$4,056	2.12	0.43	0.61	0.12	0.00	6
	A20CM013		SANDBLASTER, 60 CF CAP, W/1.25"D X 50'L HOSE & NOZZLE,TRAILER MTD(ADD COMPRESSOR			$17,274	8.60	1.77	2.48	0.53	0.00	30
	A20CM014		SANDBLASTER,120 CF CAP, W/1.25"D X 50'L HOSE & NOZZLE,TRAILER MTD(ADD COMPRESSOR			$20,434	10.10	2.05	2.83	0.63	0.00	35
	A20CM015		SANDBLASTER,160 CF CAP, W/1.25"D W/50'L HOSE & NOZZLE,TRAILER MTD(ADD COMPRESSOR			$21,990	11.03	2.24	3.11	0.68	0.00	45
	A20CM016		STORAGE HOPPER, 700 CUBIC FOOT CAP., 8'DEEP,10'WIDE &23'HIGH,ABRASIVE STORAGE			$14,495	7.43	1.54	2.17	0.45	0.00	69
	A20CM009		STORAGE HOPPER, 700 CUBIC FOOT CAP., 35-TON SAND BULK ABRASIVE STORAGE			$14,495	7.43	1.54	2.17	0.45	0.00	69
			WACKER CORPORATION									
	A20WC002	EHB 10/110	BREAKER/DRILL, 40 LB (ADD GENERATOR)	2 HP E		$1,462	1.05	0.16	0.22	0.05	0.12	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
A20			***WACKER CORPORATION (continued)***									
	A20WC004	BHF 30S	BREAKER/DRIVER, 85 LB (W/POWER UNIT)	4 HP G		$3,978	2.60	0.42	0.60	0.12	0.45	1
A25	**ASPHALT PAVING DISTRIBUTORS**											
	SUBCATEGORY 0.00		**ASPHALT PAVING DISTRIBUTORS**									
			ROSCO MANUFACTURING COMPANY									
	A25RS002	MAXIMIZER 11	1,100 GAL (FOR TRUCK MTG) HYDROSTATIC (ADD 18,000 - 24,000 GVW TRUCK)			$48,743	19.32	5.16	7.31	1.50	0.00	60
	A25RS004	MAXIMIZER 11	1,600 GAL (FOR TRUCK MTG) HYDROSTATIC (ADD 24,000 - 32,000 GVW TRUCK)			$53,019	19.38	5.61	7.95	1.63	0.00	67
	A25RS006	MAXIMIZER 11	2,000 GAL (FOR TRUCK MTG) HYDROSTATIC (ADD 32,000 GVW TRUCK)			$53,868	19.70	5.70	8.08	1.66	0.00	70
	A25RS008	MAXIMIZER 11	3,600 GAL (FOR TRUCK MTG) HYDROSTATIC (ADD 42,000 GVW TRUCK)			$61,769	24.39	6.54	9.27	1.90	0.00	97
A30	**ASPHALT PAVERS & MISCELLANEOUS ROAD EQUIPMENT**											
	SUBCATEGORY 0.10		**SELF PROPELLED**									
			BARBER-GREENE COMPANY									
	A30BG007	BG230	8' SPW (WITH 15'6" SCREED EXTENSION) WHEEL TYPE	107 HP D-off		$215,029	72.06	17.89	22.50	6.64	4.47	347
	A30BG002	BG240B	10' SPW (WITH 19' 6" SCREED EXTENSION) WHEEL TYPE	115 HP D-off		$277,279	91.47	22.86	28.57	8.57	4.80	290
	A30BG003	BG260B	10' SPW (WITH 19' 6" SCREED EXTENSION) WHEEL TYPE	155 HP D-off		$299,139	100.43	24.65	30.82	9.24	6.47	323
	A30BG004	BG225B	8' SPW (WITH 15' 6" SCREED EXTENSION) CRAWLER	107 HP D-off		$265,772	87.36	22.33	28.24	8.21	4.47	322
	A30BG005	BG245B	10' SPW (WITH 19' 6" SCREED EXTENSION) CRAWLER	155 HP D-off		$315,353	104.96	26.50	33.51	9.74	6.47	366
	A30BG006	BG265B	10' SPW (WITH 19' 6" SCREED EXTENSION) CRAWLER	200 HP D-off		$339,127	114.66	28.50	36.03	10.48	8.35	417

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			BLAW-KNOX CONSTRUCTION EQUIPMENT										
	A30BK010	PF-150	8' SPW, WHEEL TYPE	47 HP	D-off		$128,931	41.57	10.69	13.42	3.98	1.96	153
	A30BK011	PF-161	8' SPW, WHEEL TYPE	105 HP	D-off		$190,119	63.19	15.78	19.81	5.87	4.38	211
	A30BK012	PF-171A	8' SPW, WHEEL TYPE	108 HP	D-off		$218,561	72.10	18.12	22.74	6.75	4.51	257
	A30BK013	PF-3172	10' SPW, WHEEL TYPE	145 HP	D-off		$230,509	77.80	19.13	24.01	7.12	6.06	299
	A30BK014	PF-3180	10' SPW, WHEEL TYPE	169 HP	D-off		$261,352	88.46	21.65	27.15	8.07	7.06	338
	A30BK015	PF-3200	10' SPW, WHEEL TYPE	184 HP	D-off		$266,650	90.90	22.10	27.72	8.24	7.68	340
	A30BK016	PF-410	8' SPW, TRACK MOUNTED	100 HP	D-off		$233,542	75.79	19.63	24.81	7.22	4.18	223
	A30BK017	PF-5500	10' SPW, TRACK MOUNTED	169 HP	D-off		$282,657	94.45	23.75	30.03	8.73	7.06	340
	A30BK018	PF-5510	10' SPW, TRACK MOUNTED	184 HP	D-off		$287,355	96.71	24.15	30.53	8.88	7.68	320
	A30BK021	TITAN 325 EPM	ASPHALT PAVER, 32.8'W, TRACK MTD W/ DUAL TAMPER SCREED	171 HP	D-off		$567,599	180.10	47.70	60.31	17.54	7.14	399
			CATERPILLAR, INC.										
	A30CA001	AP-200B	3'- 12' WIDE, SP CRAWLER MOUNTED HOPPER	35 HP	D-off		$55,537	18.66	4.67	5.90	1.72	1.46	96
	A30CA002	AP-800C	10' WIDE, PAVEMASTER, PNEUMATIC, 195 CF HOPPER , SP WHEEL	107 HP	D-off		$244,440	79.73	20.30	25.50	7.55	4.47	318
	A30CA008	AP-1000B	10' TO 12' WIDE, PNEUMATIC, 215CF HOPPER SP WHEEL MOUNTED	174 HP	D-off		$292,229	98.02	24.27	30.47	9.03	7.27	414
	A30CA009	AP-1050B	10' TO 24' WIDE, PAVEMASTER, PNEUMATIC 215 CF HOPPER , SP CRAWLER MOUNTED	175 HP	D-off		$356,624	117.00	29.97	37.89	11.02	7.31	443
	SUBCATEGORY 0.20		**TOWED**										
			BLAW-KNOX CONSTRUCTION EQUIPMENT										
	A30BK019	RW 100 A	ROAD WIDENER, SHOULDER PAVING MACHINE W/BLADE	105 HP	D-off		$183,398	45.19	13.01	14.48	5.77	4.02	245
	A30BK020	RW 195 D	ROAD WIDENER, SHOULDER PAVING MACHINE W/BLADE	173 HP	D-off		$235,871	60.11	16.77	18.67	7.43	6.62	330
	SUBCATEGORY 0.30		**SLURRY SEAL PAVERS (COLD MIX)**										
			NO SPECIFIC MANUFACTURER										
	A30XX001	MINIMAC	SLURRY SEAL PAVER, 8' WIDE	110 HP	D-off		$133,350	26.73	8.52	8.73	4.15	3.96	130

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
A30			*NO SPECIFIC MANUFACTURER (continued)*									
	A30XX002	MACROPAVER 1	SLURRY SEAL PAVER, 8' WIDE (ADD 40,000 GVW TRUCK)	110 HP D-off		$153,004	29.27	9.86	10.20	4.76	3.96	175
	SUBCATEGORY 0.40		**MISCELLANEOUS ROAD EQUIPMENT**									
			CATERPILLAR, INC.									
	A30CA007	BG-650	WINDROW ELEVATOR 60" WIDE (BELT LOADER)	107 HP D-off		$110,753	29.59	7.86	8.73	3.49	4.10	171
A35	**ASPHALT PAVING KETTLES**											
	SUBCATEGORY 0.00		**ASPHALT PAVING KETTLES**									
			AEROIL PRODUCTS									
	A35AE001	KEB-80KE	80 GALLON,BOTTOM FIRED, KETTLE,TRLR MTD			$9,202	5.05	0.89	1.18	0.30	0.00	9
	A35AE002	KEB-115KE	115 GALLON,BOTTOM FIRED, KETTLE,TRLR MTD			$9,541	5.86	0.92	1.22	0.31	0.00	11
	A35AE003	KEB-170KE	170 GALLON, KETTLE,W/PUMP &HOSE,TRLR MTD			$10,246	6.48	1.01	1.34	0.34	0.00	15
	A35AE004	KEB-260KE	260 GALLON, KETTLE,W/PUMP &HOSE,TRLR MTD			$11,231	7.71	1.11	1.47	0.37	0.00	19
	A35AE005	KEB-360KE	360 GALLON, KETTLE,W/PUMP &HOSE,TRLR MTD			$12,340	10.25	1.19	1.58	0.40	0.00	20
A40	**ASPHALT & CONCRETE MILLERS / PROFILERS / PLANERS**											
	SUBCATEGORY 0.00		**ASPHALT & CONCRETE MILLERS / PROFILERS / PLANERS**									
			CATERPILLAR, INC.									
	A40CA008	PM-465	COLD PLANER, CUT 75" WIDE X 10" DEEP	500 HP D-off		$444,485	209.94	44.21	59.26	14.58	29.00	505
	A40CA009	PM-565B	COLD PLANER, CUT 83" WIDE X 2"->12" DEEP	625 HP D-off		$653,414	299.95	65.00	87.12	21.44	36.25	735

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	CMI CORPORATION (INCLUDING BIDWELL & LOADKING)											
	A40CW001	PR-1050	ASPHALT PROFILER,MAX 12.5'WX12"D	1,030 HP D-off		$770,648	376.89	76.66	102.75	25.28	59.74	1,065
A45	**ASPHALT RECYCLERS & SEALERS**											
	SUBCATEGORY 0.00		**ASPHALT RECYCLERS & SEALERS**									
			AEROIL PRODUCTS									
	A45AE001	HEPR-52V	RESURFACER-PATCHER, 600,000 BTU, 17.3 SF INFRA-RED HEATER, 4'WIDE,TRAILER MOUNTED			$8,214	10.57	0.91	1.26	0.28	0.00	11
	A45AE002	HEPR-96V	RESURFACER-PATCHER, 1,200,000 BTU, 32 SF INFRA-RED HEATER, 8'WIDE,TRAILER MOUNTED			$15,969	21.03	1.78	2.50	0.53	0.00	16
	A45AE003	HEPR-120V	RESURFACER-PATCHER, 1,420,000 BTU, 40 SF INFRA-RED HEATER,10'WIDE,TRAILER MOUNTED			$18,795	24.85	2.11	2.95	0.63	0.00	17
			SEALMASTER, INC.									
	A45SE002	SP200 DUAL	SEALCOATER, 108" SPRAY WIDTH, 200 GALLON DUAL SPRAY, SQUEEGEE	20 HP G		$21,761	13.74	2.46	3.46	0.73	2.25	28
	A45SE003	SP300 DUAL	SEALCOATER, 108" SPRAY WIDTH, 300 GALLON DUAL SPRAY, SQUEEGEE	30 HP G		$29,782	19.48	3.36	4.71	1.00	3.37	39
	A45SE004	TR-1000	TANK TRAILER, 1000 GALLON CAPACITY	16 HP G		$17,302	10.34	1.91	2.65	0.58	1.80	52
			NO SPECIFIC MANUFACTURER									
	A45XX001	400 HD	JOINT & CRACK FILLER, 400 GAL, TRL MTD	23 HP D-off		$44,393	20.08	4.98	6.97	1.49	0.88	55

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
B10	**BATCH PLANTS (ASPHALT & CONCRETE)**												
	SUBCATEGORY 0.20		**CONCRETE**										
			CEMEN TECH										
	B10CC007	MCD2-50HT	CONCRETE DISPENSER /PLANT, 2 CY MAXIMUM 15 CY/HOUR OUTPUT; TRAILER MTD; 2 AGGREGATE BINS, 2 CY, FEEDS TO A METERING CONVEYOR; 1 CEMENT BIN, 1 CY TANK & METERING PUMP, COMPUTER CONTROLS	18 HP	G		$32,903	15.52	2.66	3.21	1.05	2.02	80
	B10CC008	MCD5-100H	CONCRETE DISPENSER /PLANT, 5 CY MAXIMUM 30 CY/HOUR OUTPUT; TRUCK MTD; 2 AGGREGATE BINS, 5.5 CY, FEEDS TO A METERING CONVEYOR; 1 CEMENT BIN, 1.9 CY TANK & METERING PUMP, COMPUTER CONTROLS	163 HP	G		$73,215	51.21	5.75	6.82	2.34	18.33	132
	B10CC009	MCD8-100H	CONCRETE DISPENSER /PLANT, 8 CY MAXIMUM 30 CY/HOUR OUTPUT; TRUCK MTD; 2 AGGREGATE BINS, 9.3 CY, FEEDS TO A METERING CONVEYOR; 1 CEMENT BIN, 3.1 CY TANK & METERING PUMP, COMPUTER CONTROLS	200 HP	G		$99,062	65.09	7.70	9.06	3.17	22.49	194
	B10CC010	MCD8-150H	CONCRETE DISPENSER /PLANT, 8 CY MAXIMUM 60 CY/HOUR OUTPUT; TRUCK MTD; 2 AGGREGATE BINS, 9.6 CY, FEEDS TO A METERING CONVEYOR; 1 CEMENT BIN, 3.1 CY TANK & METERING PUMP, COMPUTER CONTROLS	200 HP	G		$108,039	67.98	8.43	9.96	3.45	22.49	204
	B10CC011	HS-240	BULK CEMENT SILO, 240 BARREL/ 38TON,HORZ HORIZONTAL	20 HP	E		$20,445	8.93	1.67	2.04	0.65	1.21	45
	B10CC012		BULK CEMENT SILO, 210 BARREL 830CF,VERT	18 HP	G		$20,071	9.53	1.65	2.01	0.64	2.02	35
	B10CC013		BULK CEMENT SIL0, 300 BARREL 1200CF,VERT	18 HP	G		$24,284	10.83	2.00	2.43	0.78	2.02	48
	B10CC014		CEMENT LOADING AUGER, 6" DIA 19'LONG ADJUSTABLE TO DISCHARGE OF LENGTH 13' 6" DISCHARGE OF 13' 6"	5 HP	E		$6,281	2.82	0.52	0.63	0.20	0.30	10

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			CON-E-CO										
	B10CL001	LO-PRO 10	MOBILE CONCRETE DRY BATCHING PLANT MAXIMUM 200 CY/HOUR OUTPUT; TRAILER MTD; 2 BINS AGGREGATE STORAGE 65 TON / 50 CY 30" W X 20' L CONVEYOR FEEDS TO A 1 BIN PLANT RAISES/ LOWERS INTO 1 LEGAL HEIGHT	60 HP	E		$166,427	56.77	13.46	16.27	5.32	3.63	410
	B10CL002	LO-PRO 12	MOBILE CONCRETE DRY BATCHING PLANT MAXIMUM 200 CY/HOUR OUTPUT; TRAILER MTD; 2 BINS AGGREGATE STORAGE 65 TON / 50 CY 30" W X 20' L CONVEYOR FEEDS TO A 1 BIN PLANT RAISES/ LOWERS INTO 1 LEGAL HEIGHT	60 HP	E		$173,888	58.97	14.07	17.01	5.56	3.63	425
	B10CL005	LO-PRO 10T-CM	MOBILE CONCRETE DRY BATCHING PLANT MAXIMUM 275 CY/HOUR OUTPUT; TRAILER MTD; 2 BINS AGGREGATE STORAGE 65 TON / 50 CY 36" W X 20' L CONVEYOR FEEDS TO A 1 BIN PLANT RAISES/ LOWERS INTO 1 LEGAL HEIGHT	120 HP	E		$170,310	63.66	13.77	16.64	5.45	7.25	410
	B10CL006	LO-PRO 12T-CM	MOBILE CONCRETE DRY BATCHING PLANT MAXIMUM 275 CY/HOUR OUTPUT; TRAILER MTD; 2 BINS AGGREGATE STORAGE 65 TON / 50 CY 36" W X 20' L CONVEYOR FEEDS TO A 1 BIN PLANT RAISES/ LOWERS INTO 1 LEGAL HEIGHT	120 HP	E		$205,503	74.03	16.65	20.15	6.57	7.25	426
	B10CL015	PLP MODEL 12	MOBILE CONCRETE DRY BATCHING PLANT MAXIMUM 200 CY/HOUR OUTPUT; TRAILER MTD; 2 BINS AGGREGATE STORAGE 81 TON / 60 CY GRAVITY FEEDS TO A 3BINS 12CY AGGREGATE PLANT FOLDS INTO 1 LEGAL HEIGHT & WIDTH	30 HP	E		$145,183	48.12	11.71	14.14	4.64	1.81	380
	B10CL021	VERSA-PLANT 10	1 BINS 10 CY AGGREGATE BATCHER, GRAVITY FEEDS TO A 30" WIDE X 40' LONG LOADING CONVEYOR; SCALES & WATER METER INCLUDED; ADD 5 KW GENERATOR, WATER TANK & WET & WIDTH TOWING TRAILIER WITHOUT A CRANE	35 HP	E		$77,825	26.29	6.29	7.60	2.49	2.12	190
	B10CL024	CON-E-CO 12	12 CY CONCRETE MIXER,TILT DRUM,11.67'DIA SKID MOUNTED, ADD CONCR DRY BATCH PLANT	200 HP	E		$218,032	83.44	17.87	21.80	6.97	12.09	90

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
B10			***CON-E-CO (continued)***										
	B10CL025	MTM 12	12 CY CONCRETE MIXER,TILT DRUM,11.67'DIA REMOVABLE AXLES, TRAILER MOUNTED	200 HP	E		$248,915	92.52	20.36	24.79	7.96	12.09	130
	B10CL026		CEMENT STORAGE SILO, 1340 CF (335 BARREL MAX CAP / 278 MIN) WITH DRIVE-THROUGH TYPE UNDERSTRUCTURE				$18,934	5.59	1.56	1.89	0.61	0.00	100
	B10CL027		CEMENT STORAGE SILO, 1910 CF (475 BARREL MAX CAP / 397 MIN) WITH DRIVE-THROUGH TYPE UNDERSTRUCTURE				$20,000	5.90	1.64	2.00	0.64	0.00	144
	B10CL042		SCREW CONVEYOR, 6" DIA X 10' LONG, FOR CEMENT SILO (ATTACHMENT)	5 HP	E		$2,919	1.33	0.24	0.29	0.09	0.30	5
	B10CL043		SCREW CONVEYOR, 6" DIA X 15' LONG, FOR CEMENT SILO (ATTACHMENT)	8 HP	E		$3,468	1.79	0.29	0.35	0.11	0.48	8
	B10CL045		SCREW CONVEYOR, 6" DIA X 20' LONG, FOR CEMENT SILO (ATTACHMENT)	10 HP	E		$3,773	2.06	0.31	0.38	0.12	0.60	11
	B10CL046		SCREW CONVEYOR, 6" DIA X 25' LONG, FOR CEMENT SILO (ATTACHMENT)	10 HP	E		$4,422	2.25	0.36	0.44	0.14	0.60	13
	B10CL036		SCREW CONVEYOR, 9" DIA X 10' LONG, FOR CEMENT SILO (ATTACHMENT)	8 HP	E		$3,221	1.71	0.26	0.32	0.10	0.48	9
	B10CL038		SCREW CONVEYOR, 9" DIA X 15' LONG, FOR CEMENT SILO (ATTACHMENT)	15 HP	E		$3,988	2.62	0.33	0.40	0.13	0.91	12
	B10CL040		SCREW CONVEYOR, 9" DIA X 20' LONG, FOR CEMENT SILO (ATTACHMENT)	20 HP	E		$4,484	3.23	0.37	0.45	0.14	1.21	16
	B10CL041		SCREW CONVEYOR, 9" DIA X 25' LONG, FOR CEMENT SILO (ATTACHMENT)	20 HP	E		$5,105	3.41	0.42	0.51	0.16	1.21	19
	B10CL032		SCREW CONVEYOR, 12" DIA X 10' LONG, FOR CEMENT SILO (ATTACHMENT)	10 HP	E		$3,849	2.08	0.31	0.38	0.12	0.60	10
	B10CL033		SCREW CONVEYOR, 12" DIA X 15' LONG, FOR CEMENT SILO (ATTACHMENT)	15 HP	E		$4,924	2.89	0.41	0.49	0.16	0.91	15
	B10CL034		SCREW CONVEYOR, 12" DIA X 20' LONG, FOR CEMENT SILO (ATTACHMENT)	20 HP	E		$7,699	4.18	0.64	0.77	0.25	1.21	20
	B10CL035		SCREW CONVEYOR, 12" DIA X 25' LONG, CEMENT SILO ATTACHMENT	25 HP	E		$8,677	4.95	0.72	0.87	0.28	1.51	25

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			EXCELL MACHINE INC.										
	B10EM001	EXCEL PORT-A-P	MOBILE CONCRETE CONTINUOUS MIXER PLANT MAXIMUM 400 CY/HOUR OUTPUT; TRAILER MTD; 1 BINS AGGREGATE STORAGE, 12 CY GRAVITY FEEDS TO A 48" WIDE X 18' LONG 75' RADIAL CONVEYOR; PLANT IS A 1 LEGAL	25 HP	G		$377,466	117.78	30.59	37.03	12.07	2.81	590
	B10EM002		BULK CEMENT SILO, 350 BARREL/ 55TON,HORZ	20 HP	E		$7,344	4.99	0.50	0.53	0.23	1.21	45
	B10EM003		CEMENT STORAGE SILO, 2200 CF (550 BARREL MAX CAP / 450 MIN) WITH DRIVE-THROUGH TYPE UNDERSTRUCTURE				$25,330	7.47	2.08	2.53	0.81	0.00	222
			IDEAL MANUFACTURING										
	B10IE001	FAST-WAY AGGR	1 BINS 9 CY AGGREGATE BATCHER, GRAVITY FEEDS TO A 24" WIDE X 18 LONG LOADING CONVEYOR; SCALES & WATER METER INCLUDED; ADD 5 KW GENERATOR, WATER TANK & WET & WIDTH TOWING TRAILER WITHOUT A CRANE	3 HP	E		$39,704	13.50	3.22	3.90	1.27	0.18	64
	B10IE002	FAST-WAY CEME	1 CEMENT SILO, 275 BARRELS / 50 TONS, GRAVITY FEEDS TO CEMENT DRY BATCHER CY; 4"DIA AIR FEEDS TO THE WET MIXER; SCALES INCLUDED; ADD 5 KW GENERATOR, & WET WIDTH TOWING TRAILER WITHOUT A CRANE	5 HP	E		$45,592	14.41	3.73	4.53	1.46	0.30	136
	B10IE003	FAST-WAY CEME	SCREW CONVEYOR, 6" DIA X 19'LONG, & A 4.5 CY HOPPER; ADD 3 KW GENERATOR;	3 HP	E		$6,256	2.62	0.50	0.60	0.20	0.18	10
			KOLBERG MANUFACTURING COMPANY										
	B10KB001	52 PORTABLE PU	PUGMILL (CONTINUOUS MIXER), 9 CY FEEDER HOPPER & 36"W X 11.5'L BELT FEEDER;TO A PUGMILL (PADDLE) 48" DIA TWIN SHAFT 6'L; DROP TO A 30"W X 27'L CONVEYOR; WATER GENERATOR, AND ANY MATERIALS FEEDS	95 HP	E		$124,173	45.70	10.08	12.22	3.97	5.74	190

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
B10			***KOLBERG MANUFACTURING COMPANY (continued)***										
	B10KB002	52S PORTABLE P	PUGMILL (CONTINUOUS MIXER), 13 CY FEEDER HOPPER & 36"W X 11.5'L BELT FEEDER; 2ND 11 CY HOPPER & 36"WX11.5'L BELT FEEDER; TO A PUGMILL (PADDLE) 48" DIA TWIN SHAFT KW GENERATOR, AND ANY MATERIALS FEEDS	220 HP	E		$226,517	87.85	18.46	22.43	7.24	13.30	230
			ROSS COMPANY										
	B10RC007	BANDIT 5	MOBILE CONCRETE DRY BATCHING PLANT MAXIMUM 100 CY/HOUR OUTPUT; TRAILER MTD; 2BINS AGGREGATE STORAGE 22.5TON/ 16.7CY GRAVITY FEEDS TO A 2 BINS 5CY AGGREGATE PLANT FOLDS INTO 1 LEGAL HEIGHT & WIDTH	15 HP	E		$144,457	46.54	11.77	14.29	4.62	0.91	3,000
	B10RC008	BANDIT 12 BTR	MOBILE CONCRETE DRY BATCHING PLANT MAXIMUM 200 CY/HOUR OUTPUT; TRAILER MTD; 3 BINS AGGREGATE STORAGE 65 TON / 48 CY GRAVITY FEEDS TO A 3BINS 12CY AGGREGATE PLANT FOLDS INTO 1 LEGAL HEIGHT & WIDTH	30 HP	E		$147,092	48.74	11.98	14.56	4.70	1.81	250
	B10RC032	RUSTLER III	MOBILE CONCRETE DRY BATCHING PLANT MAXIMUM 160 CY/HOUR OUTPUT; TRAILER MTD; 2 BINS AGGREGATE STORAGE 28 TON / 21 CY GRAVITY FEEDS TO A 2BINS 12CY AGGREGATE PLANT RAISES/ LOWERS INTO 1 LEGAL HEIGHT	50 HP	E		$192,541	66.03	15.67	19.01	6.16	3.02	536
	B10RC006	RUSTLER II	MOBILE CONCRETE DRY BATCHING PLANT MAXIMUM 160 CY/HOUR OUTPUT; TRAILER MTD; 3 BINS AGGREGATE STORAGE 71 TON / 52 CY GRAVITY FEEDS TO A 3BINS 12CY AGGREGATE PLANT RAISES/ LOWERS INTO 1 LEGAL HEIGHT	46 HP	E		$176,252	60.81	14.34	17.39	5.64	2.75	489
	B10RC027		4.5 CY CONCRETE MIXER, TILT DRUM TYPE SKID MOUNTED, ADD CONCR DRY BATCH PLANT	40 HP	E		$132,446	44.89	10.85	13.24	4.23	2.42	34
	B10RC028		6 CY CONCRETE MIXER, TILT DRUM TYPE SKID MOUNTED, ADD CONCR DRY BATCH PLANT	60 HP	E		$148,823	51.89	12.20	14.88	4.76	3.63	45
	B10RC029		8 CY CONCRETE MIXER, TILT DRUM TYPE SKID MOUNTED, ADD CONCR DRY BATCH PLANT	80 HP	E		$168,259	59.80	13.80	16.83	5.38	4.84	60

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
B10			***ROSS COMPANY (continued)***										
	B10RC030		10 CY CONCRETE MIXER, TILT DRUM TYPE SKID MOUNTED, ADD CONCR DRY BATCH PLANT	100 HP	E		$183,389	67.41	15.03	18.34	5.86	6.05	75
	B10RC031		12 CY CONCRETE MIXER, TILT DRUM TYPE SKID MOUNTED, ADD CONCR DRY BATCH PLANT	120 HP	E		$193,687	72.60	15.88	19.37	6.19	7.25	90
	B10RC016	MOBILE MIXER	4.5 CY CONCRETE MIXER, TILT DRUM TYPE TRAILER MOUNTED, REVOLVING LIFT STAND, ADD CONCR DRY BATCH PLANT & POWER	75 HP	E		$215,784	76.28	17.57	21.34	6.90	4.53	420
			RAPID MIX										
	B10RK001	RAPID 400	MOBILE CONCRETE CONTINUOUS MIXER PLANT MAXIMUM 400 CY/HOUR OUTPUT;TRAILER MTD; 1 BIN AGG STORAGE, 23.5 CY GRAVITY FEEDS TO 48" WIDE X 16.2' LONG METERING PLANT FOLDS INTO TOWING TRAILER,NO CRANE	180 HP	D-off		$492,076	156.38	39.90	48.33	15.73	6.89	812
		STEPHENS MANUFACTURING COMPANY, INC.											
	B10SN031	DC-12	PORTABLE CONCRETE DRY BATCH PLANT, 12 CY MAXIMUM 100 CY/HOUR OUTPUT; TRAILER MTD; 2 BINS 12CY AGGREGATE BATCHER GRAVITY FEEDS TO A 24" WIDE X 41' LONG TRANSFER TRANSPORTABLE UNITS,WITH HELP OF A CRANE	15 HP	E		$46,774	16.62	3.81	4.62	1.50	0.91	340
	B10SN032	MUSTANG 5	MOBILE CONCRETE DRY BATCH PLANT, 6 CY MAXIMUM 160 CY/HOUR OUTPUT; TRAILER MTD; 3 BINS AGGREGATE STORAGE 29.6TON / 40CY GRAVITY FEEDS TO A 2BINS 5CY AGGREGATE PLANT RAISES/ LOWERS INTO 1 LEGAL HEIGHT	30 HP	E		$106,098	35.77	8.46	10.13	3.39	1.81	420
	B10SN035	THOROUGH-BRE	MOBILE CONCRETE DRY BATCH PLANT, 10 CY MAXIMUM 180 CY/HOUR OUTPUT; TRAILER MTD; 4 BINS AGGREGATE STORAGE 65 TON / 48 CY GRAVITY FEEDS TO A 2BINS 12CY AGGREGATE PLANT FOLDS INTO 1 LEGAL HEIGHT & WIDTH	20 HP	E		$112,793	36.70	9.01	10.80	3.61	1.21	300

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
B10			***STEPHENS MANUFACTURING COMPANY, INC. (continued)***										
	B10SN033	DC COLT	MOBILE CONCRETE DRY BATCH PLANT, 12CY MAXIMUM 100 CY/HOUR OUTPUT; TRAILER MTD; 2 BINS 12CY AGGREGATE BATCHER GRAVITY FEEDS TO A 30" WIDE X 33.5'LONG TRANSFER TOWING TRAILER, WITH HELP OF A CRANE	30 HP	E		$89,366	30.59	7.10	8.47	2.86	1.81	340
	B10SN034	STALLION	MOBILE CONCRETE DRY BATCH PLANT, 12 CY MAXIMUM 160 CY/HOUR OUTPUT; TRAILER MTD; 3 BINS AGGREGATE STORAGE 65 TON / 48 CY GRAVITY FEEDS TO A 2BINS 10CY AGGREGATE PLANT FOLDS INTO 1 LEGAL HEIGHT & WIDTH	20 HP	E		$102,829	33.60	8.19	9.80	3.29	1.21	360
	B10SN036	MUSTANG 10	MOBILE CONCRETE DRY BATCH PLANT, 12 CY MAXIMUM 160 CY/HOUR OUTPUT; TRAILER MTD; 3 BINS AGGREGATE STORAGE 75 TON / 55 CY GRAVITY FEEDS TO A 2BINS 10CY AGGREGATE PLANT RAISES/ LOWERS INTO 1 LEGAL HEIGHT	45 HP	E		$138,292	46.71	11.10	13.35	4.42	2.72	500
B15	**BROOMS, STREET SWEEPERS & FLUSHERS**												
	SUBCATEGORY 0.00		**BROOMS, STREET SWEEPERS & FLUSHERS**										
			M-B COMPANIES, INC.										
	B15MB001	MT	SWEEPER, 7' W, HYDR LIFT, W/SPRINKLER (ADD 45-100 HP TRACTOR PTO DRIVE)				$5,349	1.55	0.46	0.60	0.16	0.00	10
	B15MB002	HT	SWEEPER, 7' W, HYDR LIFT, W/SPRINKLER (ADD 45-100 HP TRACTOR PTO DRIVE), HVDTY				$7,731	2.24	0.67	0.87	0.23	0.00	14
	B15MB003	53T	SWEEPER, 7' W, HYDR LIFT, W/SPRINKLER MECH DRIVE, TOWED (ADD TOWING UNIT)				$9,336	2.77	0.79	1.02	0.28	0.00	18
	B15MB004	53MH	SWEEPER, 7' W, HYDR LIFT, W/SPRINKLER MOTOR DRIVEN, TOWED (ADD TOWING UNIT)	18 HP	G		$10,704	5.55	0.91	1.17	0.32	2.02	17
			ROSCO MANUFACTURING COMPANY										
	B15RS001	RB-48	STREET SWEEPER, 8' W, BRUSH, S/P	76 HP	D-off		$37,643	14.19	3.21	4.18	1.12	2.91	52

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
B15			***ROSCO MANUFACTURING COMPANY (continued)***										
	B15RS002	MTA-H	STREET FLUSHER, 1,700 GAL, TRK MTD (ADD 18,000 - 24,000 GVW TRUCK)				$39,040	11.10	3.37	4.39	1.17	0.00	46
	B15RS003	MTA-H	STREET FLUSHER, 2,500 GAL, TRK MTD (ADD 24,000 - 32,000 GVW TRUCK)				$42,857	12.23	3.69	4.82	1.28	0.00	60
	B15RS004	MTA-H	STREET FLUSHER, 3500 GAL, TRK MTD (ADD 42,000 GVW TRUCK)				$49,704	14.18	4.28	5.59	1.48	0.00	65
B20	**BRUSH CHIPPERS**												
	SUBCATEGORY 0.00		**BRUSH CHIPPERS**										
			MORBARK INDUSTRIES, INC.										
	B20MQ001	2070	7" CHIPPER, DISC TYPE, TRLR MTD	35 HP	G		$13,110	9.33	1.12	1.45	0.39	3.94	21
	B20MQ002	10	10" CHIPPER, DISC TYPE, TRLR MTD	80 HP	D-off		$21,405	10.32	1.83	2.38	0.64	3.06	44
	B20MQ003	13	13" CHIPPER, DISC TYPE, TRLR MTD	135 HP	G		$23,029	28.07	1.97	2.56	0.69	15.18	56
	B20MQ004	2400	17" CHIPPER, DISC TYPE, TRLR MTD	175 HP	D-off		$38,505	20.17	3.27	4.24	1.15	6.70	74
	B20MQ005	22 RXL	22" CHIPPER, DISC TYPE, TRLR MTD	600 HP	D-off		$326,244	126.50	27.99	36.49	9.74	22.97	720
			VERMEER MANUFACTURING COMPANY										
	B20VE003	BC 625	6" CHIPPER, DISC TYPE, TRLR MTD	22 HP	G		$10,079	6.36	0.84	1.07	0.30	2.47	17
	B20VE001	BC 1600A	6" CHIPPER, DRUM TYPE, TRLR MTD	81 HP	D-off		$21,189	10.30	1.81	2.36	0.63	3.10	46
	B20VE004	BC 935	9" CHIPPER, DISC TYPE, TRLR MTD	50 HP	D-off		$20,993	8.62	1.79	2.32	0.63	1.91	37
	B20VE005	BC 1250	12" CHIPPER, DISC TYPE, TRLR MTD	81 HP	D-off		$27,570	12.13	2.36	3.07	0.82	3.10	57
	B20VE002	BC 1250	12" CHIPPER, DISC TYPE, TRLR MTD, WITH AUTOFEED	102 HP	D-off		$25,654	12.68	2.20	2.85	0.77	3.90	51
B25	**BUCKETS, CLAMSHELL**												
	SUBCATEGORY 0.00		**BUCKETS, CLAMSHELL**										
			GENSCO AMERICA COMPANY, LTD.										
	B25GE001		10 CY BUCKET, HEAVY DUTY				$88,735	22.37	7.64	9.98	2.65	0.00	230
	B25GE002		11 CY BUCKET, HEAVY DUTY				$95,103	23.98	8.19	10.70	2.84	0.00	250
	B25GE003		12 CY BUCKET, HEAVY DUTY				$101,881	25.68	8.77	11.46	3.04	0.00	267

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
B25			***GENSCO AMERICA COMPANY, LTD. (continued)***									
	B25GE004		13 CY BUCKET, HEAVY DUTY			$112,961	28.48	9.73	12.71	3.37	0.00	284
	B25GE005		14 CY BUCKET, HEAVY DUTY			$124,023	31.26	10.68	13.95	3.70	0.00	300
	B25GE006		15 CY BUCKET, MEDIUM DUTY			$134,512	33.91	11.59	15.13	4.02	0.00	320
	B25GE007		16 CY BUCKET, MEDIUM DUTY			$145,524	36.69	12.54	16.37	4.35	0.00	335
	B25GE008		17 CY BUCKET, MEDIUM DUTY			$156,401	39.44	13.47	17.60	4.67	0.00	342
	B25GE009		18 CY BUCKET, MEDIUM DUTY			$167,499	42.22	14.42	18.84	5.00	0.00	362
	B25GE010		19 CY BUCKET, MEDIUM DUTY			$178,561	45.02	15.38	20.09	5.33	0.00	380
	B25GE011		20 CY BUCKET, MEDIUM DUTY			$184,278	46.45	15.87	20.73	5.50	0.00	400
			HAWCO MANUFACTURING COMPANY									
	B25HB001	HD-050	0.50 CY BUCKET, HEAVY DUTY/DIGGING CLAM			$15,991	4.04	1.38	1.80	0.48	0.00	30
	B25HB002	HD-075	0.75 CY BUCKET, HEAVY DUTY/DIGGING CLAM			$18,503	4.66	1.59	2.08	0.55	0.00	35
	B25HB003	HD-100	1.00 CY BUCKET, HEAVY DUTY/DIGGING CLAM			$25,689	6.48	2.22	2.89	0.77	0.00	48
	B25HB004	HD-125	1.25 CY BUCKET, HEAVY DUTY/DIGGING CLAM			$26,899	6.78	2.32	3.03	0.80	0.00	52
	B25HB005	HD-150	1.50 CY BUCKET, HEAVY DUTY/DIGGING CLAM			$33,394	8.42	2.88	3.76	1.00	0.00	66
	B25HB006	HD-175	1.75 CY BUCKET, HEAVY DUTY/DIGGING CLAM			$36,910	9.30	3.18	4.15	1.10	0.00	73
	B25HB007	HD-200	2.00 CY BUCKET, HEAVY DUTY/DIGGING CLAM			$39,422	9.94	3.40	4.43	1.18	0.00	78
	B25HB008	HD-250	2.50 CY BUCKET, HEAVY DUTY/DIGGING CLAM			$45,952	11.58	3.96	5.17	1.37	0.00	91
	B25HB009	HD-300	3.00 CY BUCKET, HEAVY DUTY/DIGGING CLAM			$50,644	12.77	4.36	5.70	1.51	0.00	103
	B25HB010	HD-350	3.50 CY BUCKET, HEAVY DUTY/DIGGING CLAM			$53,493	13.49	4.61	6.02	1.60	0.00	131
	B25HB011	HD-400	4.00 CY BUCKET, HEAVY DUTY/DIGGING CLAM			$55,015	13.87	4.74	6.19	1.64	0.00	145
	B25HB012	HD-450	4.50 CY BUCKET, HEAVY DUTY/DIGGING CLAM			$58,277	14.70	5.02	6.56	1.74	0.00	165
	B25HB013	HD-500	5.00 CY BUCKET, HEAVY DUTY/DIGGING CLAM			$60,205	15.18	5.19	6.77	1.80	0.00	173

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
B25			***HAWCO MANUFACTURING COMPANY (continued)***									
	B25HB014	HD-550	5.50 CY BUCKET, HEAVY DUTY/DIGGING CLAM			$62,877	15.85	5.42	7.07	1.88	0.00	178
	B25HB015	HD-600	6.00 CY BUCKET, HEAVY DUTY/DIGGING CLAM			$65,250	16.45	5.62	7.34	1.95	0.00	199
			PRO-LINE									
	B25PL001	PLCR-2	3 CY CLAMSHELL BUCKET, GEN PURPOSE			$23,645	5.97	2.04	2.66	0.71	0.00	70
	B25PL002	PLCR-2	4 CY CLAMSHELL BUCKET, GEN PURPOSE			$24,885	6.27	2.14	2.80	0.74	0.00	86
	B25PL003	PLCR-2	5 CY CLAMSHELL BUCKET, GEN PURPOSE			$33,440	8.43	2.88	3.76	1.00	0.00	109
	B25PL004	PLCR-2	6 CY CLAMSHELL BUCKET, GEN PURPOSE			$39,138	9.87	3.37	4.40	1.17	0.00	137
	B25PL005	PLCR-2	8 CY CLAMSHELL BUCKET, GEN PURPOSE			$43,937	11.07	3.78	4.94	1.31	0.00	167
	B25PL006	PLSR-2	1.5 CY CLAMSHELL BKT, STD HEAVY DUTY			$17,921	4.53	1.55	2.02	0.54	0.00	42
	B25PL007	PLSR-2	3 CY CLAMSHELL BKT, STD HEAVY DUTY			$22,678	5.72	1.96	2.55	0.68	0.00	70
	B25PL008	PLSR-2	4 CY CLAMSHELL BKT, STD HEAVY DUTY			$24,430	6.16	2.11	2.75	0.73	0.00	82
	B25PL009	PLSR	5 CY CLAMSHELL BKT, STD HEAVY DUTY			$26,273	6.62	2.26	2.96	0.78	0.00	94
	B25PL010	PLSR	6 CY CLAMSHELL BKT, STD HEAVY DUTY			$29,038	7.33	2.51	3.27	0.87	0.00	108
	B25PL011	PLSR	8 CY CLAMSHELL BKT, STD HEAVY DUTY			$35,883	9.05	3.09	4.04	1.07	0.00	138
	B25PL012	PLHR	1.5 CY CLAMSHELL BKT, HEAVY DUTY			$19,627	4.95	1.70	2.21	0.59	0.00	46
	B25PL013	PLHR	3 CY CLAMSHELL BKT, HEAVY DUTY			$23,872	6.02	2.06	2.69	0.71	0.00	76
	B25PL014	PLHR	4 CY CLAMSHELL BKT, HEAVY DUTY			$26,733	6.74	2.31	3.01	0.80	0.00	89
	B25PL015	PLHR	5 CY CLAMSHELL BKT, HEAVY DUTY			$27,886	7.03	2.40	3.14	0.83	0.00	103
	B25PL016	PLHR	6 CY CLAMSHELL BKT, HEAVY DUTY			$31,822	8.02	2.74	3.58	0.95	0.00	118
	B25PL017	PLHR	8 CY CLAMSHELL BKT, HEAVY DUTY			$38,829	9.79	3.35	4.37	1.16	0.00	149

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
B30	**BUCKETS, CONCRETE**											
	SUBCATEGORY 0.10		**GENERAL PURPOSE, MANUAL TRIP**									
			GAR-BRO MANUFACTURING COMPANY									
	B30GB001	433-G	1.000 CY, GENERAL PURPOSE			$2,720	0.70	0.24	0.32	0.08	0.00	7
	B30GB002	442-G	1.500 CY, GENERAL PURPOSE			$3,535	0.91	0.31	0.42	0.10	0.00	8
	B30GB003	462-G	2.000 CY, GENERAL PURPOSE			$4,407	1.13	0.39	0.52	0.13	0.00	12
	B30GB004	493-G	3.000 CY, GENERAL PURPOSE			$6,431	1.66	0.57	0.76	0.19	0.00	19
	B30GB005	4123-G	4.000 CY, GENERAL PURPOSE			$7,685	1.97	0.68	0.91	0.22	0.00	24
	SUBCATEGORY 0.20		**LAYDOWN**									
			GAR-BRO MANUFACTURING COMPANY									
	B30GB006	425-A	1.000 CY, HEAVY DUTY, AIR GATE			$13,898	3.68	1.23	1.65	0.40	0.00	26
	B30GB007	465-A	2.000 CY, HEAVY DUTY, AIR GATE			$15,015	3.98	1.32	1.78	0.43	0.00	32
	B30GB008	495-A	3.000 CY, HEAVY DUTY, AIR GATE			$16,780	4.44	1.48	1.99	0.48	0.00	40
	B30GB009	4125-A	4.000 CY, HEAVY DUTY, AIR GATE			$19,188	5.09	1.69	2.28	0.55	0.00	51
	B30GB010	4155-A	5.000 CY, HEAVY DUTY, AIR GATE			$23,819	6.32	2.11	2.83	0.69	0.00	73
	SUBCATEGORY 0.30		**LOWBOY**									
			CAMLEVER									
	B30CR001	LB-375	0.375 CY BUCKET, AIR OPERATED GATE			$3,887	1.06	0.34	0.46	0.11	0.00	2
	B30CR002	LB-050	0.500 CY BUCKET, AIR OPERATED GATE			$4,167	1.13	0.37	0.49	0.12	0.00	2
	B30CR003	LB-075	0.750 CY BUCKET, AIR OPERATED GATE			$4,504	1.22	0.40	0.53	0.13	0.00	3
	B30CR004	LB-100	1.000 CY BUCKET, AIR OPERATED GATE			$4,668	1.27	0.41	0.55	0.13	0.00	5
	B30CR005	LB-150	1.500 CY BUCKET, AIR OPERATED GATE			$5,497	1.50	0.49	0.65	0.16	0.00	6
	B30CR009	LXB-150	1.500 CY BUCKET, AIR OPERATED GATE			$5,782	1.58	0.52	0.69	0.17	0.00	6
	B30CR006	LB-200	2.000 CY BUCKET, AIR OPERATED CATE			$6,470	1.77	0.58	0.77	0.19	0.00	8
	B30CR010	LXB-200	2.000 CY BUCKET, AIR OPERATED GATE			$6,739	1.83	0.59	0.80	0.19	0.00	6
	B30CR011	LXB-300	3.000 CY BUCKET, AIR OPERATED GATE			$7,980	2.18	0.71	0.95	0.23	0.00	6
	B30CR012	LXB-400	4.000 CY BUCKET, AIR OPERATED GATE			$9,211	2.51	0.82	1.09	0.27	0.00	6

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.40		**LOW SLUMP**									
			GAR-BRO MANUFACTURING COMPANY									
	B30GB011	440-A	1.000 CY, AIR GATE			$10,995	3.01	0.98	1.31	0.32	0.00	20
	B30GB012	450-A	1.500 CY, AIR GATE			$11,397	3.11	1.01	1.35	0.33	0.00	21
	B30GB013	460-A	2.000 CY, AIR GATE			$11,841	3.23	1.05	1.41	0.34	0.00	24
	B30GB014	493-A	3.000 CY, AIR GATE			$15,727	4.29	1.39	1.87	0.45	0.00	49
	B30GB015	4139-A	4.000 CY, AIR GATE			$16,309	4.45	1.44	1.94	0.47	0.00	52
	B30GB016	4200-A	6.000 CY, AIR GATE			$23,476	6.41	2.08	2.79	0.68	0.00	78
	B30GB017	4250-A	8.000 CY, AIR GATE			$28,204	7.70	2.49	3.35	0.81	0.00	90
B35	**BUCKETS, DRAGLINE**											
	SUBCATEGORY 0.10		**LIGHT WEIGHT**									
			HENDRIX MANUFACTURING COMPANY, INC.									
	B35HE001	LS	0.75 CY BUCKET, LIGHT WEIGHT/PERFORATED			$5,106	1.28	0.44	0.57	0.15	0.00	15
	B35HE002	LS	1.00 CY BUCKET, LIGHT WEIGHT/PERFORATED			$6,064	1.53	0.52	0.68	0.18	0.00	18
	B35HE003	LS	1.50 CY BUCKET, LIGHT WEIGHT/PERFORATED			$8,032	2.02	0.69	0.90	0.24	0.00	26
	B35HE004	LS	2.00 CY BUCKET, LIGHT WEIGHT/PERFORATED			$9,490	2.39	0.82	1.07	0.28	0.00	32
	B35HE005	LS	2.50 CY BUCKET, LIGHT WEIGHT/PERFORATED			$11,147	2.80	0.96	1.25	0.33	0.00	37
	B35HE006	LS	3.00 CY BUCKET, LIGHT WEIGHT/PERFORATED			$13,751	3.47	1.19	1.55	0.41	0.00	46
	B35HE007	LS	3.50 CY BUCKET, LIGHT WEIGHT/PERFORATED			$15,188	3.83	1.31	1.71	0.45	0.00	50
	B35HE008	LS	4.00 CY BUCKET, LIGHT WEIGHT/PERFORATED			$18,549	4.68	1.60	2.09	0.55	0.00	65
	B35HE009	LS	4.50 CY BUCKET, LIGHT WEIGHT/PERFORATED			$19,696	4.97	1.70	2.22	0.59	0.00	69
	B35HE010	LS	5.00 CY BUCKET, LIGHT WEIGHT/PERFORATED			$23,790	6.00	2.05	2.68	0.71	0.00	85

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

	REGION 9			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES ($/HR)		ADJUSTABLE ELEMENTS			
CAT	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	1998 ($)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
B35			***HENDRIX MANUFACTURING COMPANY, INC. (continued)***									
	B35HE011	LS	6.00 CY BUCKET, LIGHT WEIGHT/PERFORATED			$25,799	6.50	2.22	2.90	0.77	0.00	92
	B35HE012	LS	7.00 CY BUCKET, LIGHT WEIGHT/PERFORATED			$28,185	7.10	2.43	3.17	0.84	0.00	101
	B35HE013	LS	8.00 CY BUCKET, LIGHT WEIGHT/PERFORATED			$31,254	7.88	2.69	3.52	0.93	0.00	112
	B35HE014	LS	9.00 CY BUCKET, LIGHT WEIGHT/PERFORATED			$36,081	9.10	3.11	4.06	1.08	0.00	128
	B35HE015	LS	10.00 CY BUCKET, LIGHT WEIGHT/PERFORATED			$39,210	9.88	3.38	4.41	1.17	0.00	139
	B35HE016	LS	12.00 CY BUCKET, LIGHT WEIGHT/PERFORATED			$48,159	12.15	4.15	5.42	1.44	0.00	166
	B35HE017	LS	14.00 CY BUCKET, LIGHT WEIGHT/PERFORATED			$55,367	13.96	4.77	6.23	1.65	0.00	191
			SAUERMAN									
	B35SA001	SC-1050-K	1.00 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER			$16,395	4.13	1.41	1.84	0.49	0.00	15
	B35SA002	SC-1060-K	1.50 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER			$19,777	4.98	1.70	2.22	0.59	0.00	20
	B35SA003	SC-1070-K	2.00 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER			$24,593	6.20	2.12	2.77	0.73	0.00	25
	B35SA004	SC-1090-K	3.00 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER			$33,735	8.51	2.91	3.80	1.01	0.00	36
	B35SA005	SC-1100-K	4.00 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER			$42,303	10.66	3.64	4.76	1.26	0.00	49
	B35SA006	SC-1110-K	5.00 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER			$49,866	12.57	4.30	5.61	1.49	0.00	58
	B35SA007	SC-1120-K	6.00 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER			$56,119	14.15	4.84	6.31	1.68	0.00	68
	B35SA008	SC-1130-K	8.00 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER			$66,268	16.71	5.71	7.46	1.98	0.00	88
	B35SA009	SC-1140-K	10.00 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER			$84,057	21.20	7.24	9.46	2.51	0.00	106
	B35SA010	SC-1150-K	12.00 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER			$102,629	25.87	8.84	11.55	3.06	0.00	132

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.20		**MEDIUM WEIGHT**									
			HENDRIX MANUFACTURING COMPANY, INC.									
	B35HE018	TS	0.75 CY BUCKET, MEDIUM WEIGHT			$5,900	1.34	0.47	0.59	0.17	0.00	17
	B35HE019	TS	1.00 CY BUCKET, MEDIUM WEIGHT			$6,726	1.53	0.54	0.67	0.20	0.00	19
	B35HE020	TS	1.50 CY BUCKET, MEDIUM WEIGHT			$9,163	2.08	0.73	0.92	0.27	0.00	28
	B35HE021	TS	2.00 CY BUCKET, MEDIUM WEIGHT			$10,943	2.48	0.87	1.09	0.32	0.00	36
	B35HE022	TS	2.50 CY BUCKET, MEDIUM WEIGHT			$12,807	2.91	1.02	1.28	0.38	0.00	41
	B35HE023	TS	3.00 CY BUCKET, MEDIUM WEIGHT			$15,076	3.43	1.21	1.51	0.45	0.00	49
	B35HE024	TS	3.50 CY BUCKET, MEDIUM WEIGHT			$16,656	3.78	1.33	1.67	0.49	0.00	54
	B35HE025	TS	4.00 CY BUCKET, MEDIUM WEIGHT			$20,038	4.54	1.59	2.00	0.59	0.00	70
	B35HE026	TS	4.50 CY BUCKET, MEDIUM WEIGHT			$21,402	4.86	1.70	2.14	0.63	0.00	72
	B35HE027	TS	5.00 CY BUCKET, MEDIUM WEIGHT			$27,443	6.23	2.18	2.74	0.81	0.00	93
	B35HE028	TS	6.00 CY BUCKET, MEDIUM WEIGHT			$28,350	6.45	2.26	2.84	0.84	0.00	96
	B35HE029	TS	7.00 CY BUCKET, MEDIUM WEIGHT			$32,377	7.36	2.58	3.24	0.96	0.00	111
	B35HE030	TS	8.00 CY BUCKET, MEDIUM WEIGHT			$35,645	8.09	2.83	3.56	1.05	0.00	122
	B35HE031	TS	9.00 CY BUCKET, MEDIUM WEIGHT			$42,696	9.70	3.40	4.27	1.26	0.00	149
	B35HE032	TS	10.00 CY BUCKET, MEDIUM WEIGHT			$45,469	10.33	3.62	4.55	1.34	0.00	159
	B35HE033	TS	12.00 CY BUCKET, MEDIUM WEIGHT			$58,654	13.32	4.67	5.87	1.73	0.00	202
	B35HE034	TS	14.00 CY BUCKET, MEDIUM WEIGHT			$65,337	14.83	5.20	6.53	1.93	0.00	225
	SUBCATEGORY 0.30		**HEAVY WEIGHT**									
			HENDRIX MANUFACTURING COMPANY, INC.									
	B35HE035	MH-S	2.75 CY BUCKET, HEAVY DUTY, DREDGING			$22,103	4.58	1.65	1.99	0.65	0.00	69
	B35HE036	MH-S	3.00 CY BUCKET, HEAVY DUTY, DREDGING			$23,066	4.79	1.72	2.08	0.68	0.00	72
	B35HE037	MH-S	3.50 CY BUCKET, HEAVY DUTY, DREDGING			$25,945	5.38	1.93	2.34	0.76	0.00	81
	B35HE038	MH-S	4.00 CY BUCKET, HEAVY DUTY, DREDGING			$35,236	7.29	2.62	3.17	1.03	0.00	110
	B35HE039	MH-S	4.50 CY BUCKET, HEAVY DUTY, DREDGING			$39,400	8.16	2.93	3.55	1.15	0.00	123

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
B35			*HENDRIX MANUFACTURING COMPANY, INC. (continued)*									
	B35HE040	MH-S	5.00 CY BUCKET, HEAVY DUTY, DREDGING			$40,679	8.42	3.02	3.66	1.19	0.00	127
	B35HE041	MH-S	6.00 CY BUCKET, HEAVY DUTY, DREDGING			$43,564	9.02	3.24	3.92	1.28	0.00	136
	B35HE042	MH-S	7.00 CY BUCKET, HEAVY DUTY, DREDGING			$55,180	11.43	4.11	4.97	1.62	0.00	175
	B35HE043	MH-S	8.00 CY BUCKET, HEAVY DUTY, DREDGING			$56,755	11.75	4.22	5.11	1.66	0.00	180
	B35HE044	MH-S	9.00 CY BUCKET, HEAVY DUTY, DREDGING			$72,231	14.95	5.36	6.50	2.11	0.00	234
	B35HE045	MH-S	10.00 CY BUCKET, HEAVY DUTY, DREDGING			$74,512	15.43	5.54	6.71	2.18	0.00	243
	B35HE046	MH-S	12.00 CY BUCKET, HEAVY DUTY, DREDGING			$88,258	18.27	6.55	7.94	2.58	0.00	289
	B35HE047	MH-S	14.00 CY BUCKET, HEAVY DUTY, DREDGING			$94,134	19.49	7.00	8.47	2.76	0.00	309
C05	**CHAIN SAWS**											
	SUBCATEGORY 0.00		**CHAIN SAWS**									
			OLYMPYK CHAIN SAWS									
	C05OL001	941	16" - 18" BAR	2 HP G		$305	1.15	0.08	0.14	0.01	0.36	1
	C05OL002	962	16" - 24" BAR	5 HP G		$478	2.04	0.13	0.22	0.02	0.73	1
	C05OL003	970	16" - 36" BAR	5 HP G		$579	2.36	0.15	0.26	0.02	0.81	1
	C05OL004	980	16" - 42" BAR	6 HP G		$630	2.58	0.16	0.28	0.02	0.89	1
C10	**COMPACTORS, WALK-BEHIND OR REMOTE CONTROLLER**											
	SUBCATEGORY 0.10		**COMPACTORS, RAMMERS / TAMPERS & VIBRATORY PLATES**									
			BOMAG DIVISION, COMPACTION AMERICA									
	C10BO001	BT 50	RAMMER, VIBRATORY, 9" X 13.8", TAMPER	3 HP G		$3,196	2.72	0.48	0.76	0.10	0.47	1
	C10BO002	BT 60	RAMMER VIBRATORY, 11" X 15", TAMPER	4 HP G		$3,658	3.21	0.56	0.87	0.12	0.62	2

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C10			***BOMAG DIVISION, COMPACTION AMERICA (continued)***										
	C10BO003	BP 10/36	VIBRATORY PLATE, 14.2" X 21.5" PLATE	4 HP	G		$2,230	2.27	0.34	0.53	0.07	0.62	2
	C10BO004	BP 15/45	VIBRATORY PLATE, 17.7" X 21.5" PLATE	6 HP	G		$2,497	2.86	0.38	0.59	0.08	0.93	2
	C10BO005	BP 20/48	VIBRATORY PLATE, 18.9" X 27.4" PLATE	6 HP	G		$3,526	3.53	0.53	0.84	0.11	0.93	4
	C10BO007	BPR 35/38D	VIBRATORY REVERSIBLE 15" X 22.8" PLATE 22.8" X 31.1" PLATE	5 HP	D-off		$6,668	4.72	1.00	1.58	0.21	0.27	5
	C10BO008	BPR 55/52D	VIBRATORY REVERSIBLE 20.5" x 32.3" PLATE 32.3" x 35" PLATE	8 HP	D-off		$12,825	8.98	1.94	3.05	0.41	0.43	10
			SAKAI NAC										
	C10SJ001	RV-60	RAMMER, VIBRATORY,11" X14", 3000# IMPACT	4 HP	G		$3,192	2.90	0.48	0.76	0.10	0.62	2
	C10SJ002	RV-70	RAMMER, VIBRATORY,13" X14", 3525# IMPACT	4 HP	G		$3,396	3.04	0.52	0.81	0.11	0.62	2
	C10SJ003	RV-80	RAMMER, VIBRATORY,13" X14", 4025# IMPACT	4 HP	G		$3,541	3.13	0.53	0.84	0.11	0.62	2
	C10SJ004	PC-70	VIBRATORY PLATE, 22" X 15", 3000# IMPACT	6 HP	G		$1,826	2.42	0.28	0.43	0.06	0.93	2
	C10SJ005	PC-80	VIBRATORY PLATE, 23" X 17", 3500# IMPACT	6 HP	G		$2,255	2.70	0.34	0.54	0.07	0.93	2
			WACKER CORPORATION										
	C10WC020	BS 52Y	VIBRATORY RAMMER, 10"X13", 2590# IMPACT	4 HP	G		$2,687	2.58	0.41	0.64	0.09	0.62	1
	C10WC003	BS 65Y	VIBRATORY RAMMER, 11"X 13",3640# IMPACT	4 HP	G		$4,448	3.73	0.67	1.06	0.14	0.62	2
	C10WC018	VPG 165A	VIBRATORY PLATE,18.0"X24.5",3375# IMPACT	6 HP	D-off		$1,985	1.72	0.30	0.47	0.06	0.32	2
	C10WC006	BPS 2550 A	VIBRATORY PLATE,19.5"X25.5",5600# IMPACT	8 HP	G		$3,053	3.65	0.47	0.73	0.10	1.25	3
	C10WC007	BPU 3345A	VIBRATORY PLATE,23.5"X35.5",7550# IMPACT	9 HP	G		$10,006	8.40	1.51	2.38	0.32	1.40	7
	C10WC008	DPU 4045H	VIBRATORY PLATE,23.5"X35.5",9000# IMPACT	6 HP	D-off		$13,316	9.15	2.00	3.16	0.42	0.32	7
	C10WC015	DPU 7060	VIBRATORY PLATE,31.5"X42",15600# IMPACT	14 HP	D-off		$23,811	16.61	3.59	5.66	0.76	0.75	15

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.20		**ROLLERS, VIBRATORY**										
			BOMAG DIVISION, COMPACTION AMERICA										
	C10BO009	BW 55E	SMOOTH SINGLE DRUM, 22.0" W X 15.7" DIA 0.17 TON, WALK-BEHIND 1X1	4 HP	G		$5,795	4.47	0.81	1.23	0.19	0.62	3
	C10BO010	BW 35	DOUBLE DRUM, 15.4" W X 13.8"DIA, 0.5 TON WALK-BEHIND, 2X1 TAMPING FOOT TRENCHER	4 HP	D-off		$13,761	8.98	1.92	2.92	0.46	0.21	10
	C10BO011	BW 60HG	SMOOTH DOUBLE DRUM, 29.9" W X 19.7" DIA 0.9 TON, WALK-BEHIND, 2X2	8 HP	D-off		$14,887	9.98	2.08	3.16	0.50	0.43	26
	C10BO013	BMP851	DOUBLE DRUM, 33.5" W X 19.1" DIA, 6.2TON WALK-BEHIND, 2X1 TAMPING FOOT TRENCHER	16 HP	D-off		$36,528	24.23	5.11	7.76	1.23	0.85	34
			SAKAI NAC										
	C10SJ006	HV-70ST	SMOOTH DOUBLE DRUM, 26.6" W X16" DIA 3.9 TON, WALK-BEHIND, 2X2	13 HP	G		$16,070	12.82	2.25	3.41	0.54	2.02	15
	C10SJ007	HV-80ST	SMOOTH DOUBLE DRUM, 28.0" W X16" DIA 4.6 TON, WALK-BEHIND, 2X2	13 HP	G		$17,419	13.68	2.44	3.70	0.59	2.02	18
			WACKER CORPORATION										
	C10WC010	RSS 800A	SMOOTH SINGLE DRUM, 28.3"W X 22" DIA 2.3 TON, WALK-BEHIND, 2X1	11 HP	G		$12,223	9.98	1.71	2.60	0.41	1.71	11
	C10WC019	RT 560	DOUBLE DRUM, 22"W X 20"DIA, 4.2 TON, 2.0 TON, WALK-BEHIND, SMOOTH DRUMS, 2X1	20 HP	D-off		$38,103	25.52	5.33	8.10	1.28	1.07	31
	C10WC017	RD 7H	SMOOTH DOUBLE DRUM, 16.6"WX 25.5" DIA WALK-BEHIND, TRENCHER, TAMPING FOOT, 2X1	9 HP	D-off		$13,992	9.48	1.96	2.97	0.47	0.48	16
	C10WC016	RT 820	DOUBLE DRUM, 32"W X 20"DIA, 4.3 TON, WALK-BEHIND, TRENCHER, TAMPING FOOT, 2X1	20 HP	D-off		$38,643	25.86	5.41	8.21	1.30	1.07	33

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C15	**CONCRETE CLEANERS / BLASTERS**												
	SUBCATEGORY 0.00		**CONCRETE CLEANERS / BLASTERS**										
			BLASTRAC DIVISION, WHEELABRATOR CORPORATION										
	C15BL001	1-8-EZ & SHOP V	8" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECTOR (ADD 4KVA GEN)				$7,273	4.31	0.98	1.45	0.25	0.00	2
	C15BL003	1-10D & 6-54 DC	10" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECT (ADD 30 KVA GEN)				$29,799	17.14	4.01	5.96	1.03	0.00	16
	C15BL004	1-15D & 6-54-DC	15" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECT (ADD 30 KVA GEN)				$37,056	21.20	4.99	7.41	1.28	0.00	17
	C15BL005	1-20D & 8-54-DC	20" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECT (ADD 75 KVA GEN)				$51,802	29.19	6.97	10.36	1.79	0.00	30
C20	**CONCRETE BUGGIES**												
	SUBCATEGORY 0.00		**CONCRETE BUGGIES**										
			AEROIL PRODUCTS										
	C20AE001	BUFFALO 800	WALK-BEHIND W/DUMP HOPPER, 800# CAP 4X2	5 HP	G		$3,288	2.29	0.39	0.56	0.11	0.61	4
			AMIDA INDUSTRIES, INC.										
	C20AI008	PB10W	16 CF BUCKET, WALK BEHIND 28" WIDE	8 HP	G		$6,736	4.43	0.88	1.30	0.23	0.97	7
	C20AI006	PB16R RIDE-ON	16 CF BUCKET, WALK & RIDE	13 HP	G		$9,325	6.42	1.20	1.76	0.32	1.57	10
	C20AI009	PB21R	21 CF BUCKET, RIDER 48" WIDE	16 HP	G		$13,430	8.83	1.76	2.60	0.46	1.94	12
			WACKER CORPORATION										
	C20WC002	WB 16A	16 CF BUCKET, WALK & RIDE 1.25 TON 4X2	13 HP	G		$9,891	6.63	1.26	1.83	0.34	1.57	12

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
C25	**CONCRETE FINISHERS/SCREEDS/SPREADERS**												
	SUBCATEGORY 0.10		**FINISHERS/TROWELS**										
			ALLEN ENGINEERING CORPORATION										
	C25AJ014	PRO 750	TROWEL, RIDING, 2 - 30" DIA ROTORS	20 HP	G		$8,007	6.62	0.91	1.28	0.27	2.42	7
	C25AJ015	PRO 900	TROWEL, RIDING, 2 - 36" DIA ROTORS	20 HP	G		$10,611	7.67	1.21	1.70	0.36	2.42	7
	C25AJ016	PRO 1050	TROWEL, RIDING, 2 - 42" DIA ROTORS	20 HP	G		$11,163	7.88	1.27	1.79	0.37	2.42	9
	C25AJ017	PRO 1200	TROWEL, RIDING, 2 - 42" DIA ROTORS	25 HP	G		$11,653	8.94	1.32	1.86	0.39	3.03	8
	C25AJ018	PRO 1200	TROWEL, RIDING, 2 - 46" DIA ROTORS	25 HP	G		$12,736	9.38	1.45	2.04	0.43	3.03	11
	C25AJ019	SUPER PRO 500	TROWEL, RIDING, 2 - 46" DIA ROTORS	28 HP	G		$17,862	11.94	2.03	2.86	0.60	3.39	12
	C25AJ020	HP 300	TROWEL, RIDING, 3 - 46" DIA ROTORS	25 HP	G		$24,431	14.05	2.78	3.91	0.82	3.03	21
			STOW MANUFACTURING, INC.										
	C25ST001	36-H-904	ROTO-TROWEL - 36" DIA, 4-BLADED	9 HP	G		$2,223	2.43	0.25	0.36	0.07	1.09	3
	C25ST002	46-H-904	ROTO-TROWEL - 46" DIA, 4-BLADED	9 HP	G		$2,415	2.51	0.28	0.39	0.08	1.09	3
	C25ST003	30H554	ROTO-TROWEL - 30" DIA, 4-BLADED	6 HP	G		$2,170	1.82	0.25	0.35	0.07	0.67	3
			WACKER CORPORATION										
	C25WC001	CT36A	POWER TROWEL, 36" TROWEL DIA, 4 BLADES	5 HP	G		$2,514	1.86	0.28	0.40	0.08	0.61	2
	C25WC002	CT48A	POWER TROWEL, 48" TROWEL DIA, 4 BLADES	8 HP	G		$3,153	2.63	0.36	0.50	0.11	0.97	3
	C25WC003	CT46A	POWER TROWEL,RIDE ON,2 SETS OF 48"TROWEL DIAMETER BLADES	20 HP	G		$11,711	8.10	1.33	1.87	0.39	2.42	8
	SUBCATEGORY 0.20		**VIBRATORY SCREED**										
			ALLEN ENGINEERING CORPORATION										
	C25AJ003	12HED	VIBRATORY CONCRETE SCREED, 12.5' WIDE	9 HP	G		$6,180	4.02	0.71	0.99	0.21	1.09	5
	C25AJ001	12 HD	VIBRATORY CONCRETE SCREED, 20' WIDE,	8 HP	G		$7,236	4.26	0.82	1.16	0.24	0.97	10
	C25AJ004	12HED	VIBRATORY CONCRETE SCREED, 30' WIDE	9 HP	G		$9,048	5.16	1.03	1.45	0.30	1.09	8

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
C25			***ALLEN ENGINEERING CORPORATION (continued)***										
	C25AJ005	12HED	VIBRATORY CONCRETE SCREED, 40' WIDE	11 HP	G		$10,694	6.16	1.22	1.71	0.36	1.33	10
	C25AJ006	12HED	VIBRATORY CONCRETE SCREED, 50' WIDE	11 HP	G		$12,810	7.00	1.46	2.05	0.43	1.33	12
	C25AJ007	12HED	VIBRATORY CONCRETE SCREED, 55' WIDE	11 HP	G		$13,634	7.33	1.55	2.18	0.46	1.33	13
	SUBCATEGORY 0.25		**VIBRATORY LASER SCREED**										
			ALLEN ENGINEERING CORPORATION										
	C25AJ002	ACG	VIBRATORY LASER SCREED, 65' WIDE	22 HP	G		$76,022	20.43	5.92	6.65	2.59	2.47	18
			SOMERO INDUSTRIES										
	C25SV003	S-100	8' WIDE X 12' BOOM, W/LASER RECEIVERS	27 HP	D-off		$125,414	28.92	9.73	10.89	4.28	1.01	72
	C25SV002	S-160	8' WIDE X 20' BOOM, W/LASER RECEIVERS	57 HP	D-off		$188,956	44.54	14.68	16.45	6.45	2.18	123
	C25SV001	S-240	12' WIDE X 20' BOOM, W/LASER RECEIVERS	57 HP	D-off		$231,631	53.87	17.99	20.16	7.91	2.18	172
	SUBCATEGORY 0.30		**MATERIAL/TOPPING SPREADERS**										
			ALLEN ENGINEERING CORPORATION										
	C25AJ008	SP23H	MATERIAL SPREADER, 12.5' WIDE	6 HP	G		$10,676	3.28	0.83	0.93	0.36	0.62	11
	C25AJ009	SP23H	MATERIAL SPREADER, 20' WIDE	6 HP	G		$11,423	3.46	0.89	1.00	0.39	0.62	12
	C25AJ010	SP23H	MATERIAL SPREADER, 30' WIDE	6 HP	G		$12,467	3.69	0.98	1.09	0.43	0.62	13
	C25AJ011	SP23H	MATERIAL SPREADER, 40' WIDE	6 HP	G		$13,512	3.91	1.05	1.18	0.46	0.62	14
	C25AJ012	SP23H	MATERIAL SPREADER, 50' WIDE	6 HP	G		$14,501	4.12	1.13	1.27	0.49	0.62	15
	C25AJ013	SP23H	MATERIAL SPREADER, 60' WIDE	6 HP	G		$15,510	4.35	1.21	1.36	0.53	0.62	17
			SOMERO INDUSTRIES										
	C25SV004	STS-130	TOPPING SPREADER 6' WIDE X 22' BOOM	26 HP	D-off		$103,820	24.20	8.02	8.96	3.54	1.00	85

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C35	**CONCRETE GUNITERS / SHOTCRETERS**											
	SUBCATEGORY 0.00		**CONCRETE GUNITERS / SHOTCRETERS**									
			AIRPLACO									
	C35AF001	1900 HD NUCRET	DRY MIX SPRAYING MACHINE, 2 TO 15 CY/HR 2 PRESURIZE TANKS, 2" DIA - 100' HOSE & NOZZLE (ADD 200 TO 900 CFM COMPRESSOR)			$21,377	6.85	1.86	2.29	0.71	0.00	11
	C35AF002	C-9A	DRY/SEMI-WET MIX SPRAYING MACHINE, 6 TO 12 CY/HR, HOPPER, PUMPER 1.5"-> 2"HOSE AND NOZZLE, ADD 600 CFM AIR COMPRESSOR			$12,680	5.84	1.07	1.30	0.42	0.00	6
	C35AF003	C-10HSL	DRY/SEMI-WET MIX SPRAYING MACHINE, 6 TO 12 CY/HR, HOPPER, PUMPER 1.5"-> 2"HOSE AND NOZZLE, ADD 600 CFM AIR COMPRESSOR			$14,516	6.40	1.23	1.49	0.48	0.00	7
	C35AF004	634 Mix Elevator	DRY BATCH MIXER WITH ELEVATOR FEEDER 13 CY/HR, 20 CF SAND & 4CF CEMENT HOPPER & PREDAMENING (ADD SHOTECRETE MACHINE)	30 HP G		$30,943	16.93	2.66	3.25	1.03	3.89	39
	C35AF005	734 Mix Elevator	DRY BATCH MIXER WITH ELEVATOR FEEDER 20 CY/HR, 45 CF SAND & 4CF CEMENT HOPPER & PREDAMENING (ADD SHOTECRETE MACHINE)	54 HP D-off		$52,590	21.36	4.52	5.51	1.76	2.44	81
			ALLENTOWN PUMP & GUN									
	C35AL002	R-900 BATCH MIX	DRY BATCH MIXER WITH ELEVATOR FEEDER 10TONS/HR, 20CF CEMENT HOPPER, 8CF MIXER PREDAMPENER SPRAY BAR & TRAILER MOUNTED (ADD 2 PRESURIZE TANK OR ROTERY PUMP SPAY MACHINE)	26 HP D-off		$33,398	11.77	2.85	3.45	1.12	1.18	47
	C35AL008	N-2 PNEUMATIC	DRY MIX SPRAYING MACHINE, 2 TO 8 CY/HR 2 PRESURIZE TANKS, 1.5" DIA - 100' HOSE & NOZZLE (ADD 200 TO 900 CFM COMPRESSOR)			$23,956	7.64	2.09	2.57	0.80	0.00	13

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

	REGION 9			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES ($/HR)		ADJUSTABLE ELEMENTS			
CAT	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	1998 ($)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
C35			***ALLENTOWN PUMP & GUN (continued)***									
	C35AL009	N-3 PNEUMATIC	DRY MIX SPRAYING MACHINE, 4 TO 10 CY/HR 2 PRESURIZE TANKS, 2.0" DIA - 100' HOSE & NOZZLE (ADD 200 TO 900 CFM COMPRESSOR)			$26,644	8.56	2.32	2.85	0.89	0.00	13
	C35AL003	GRH-610 ROTAR	WET/DRY MIX SPRAYING MACHINE, 1 TO 6 CY/HR, HOPPER, ROTARY PUMPER, 1.5"DIA-100'HOSE & NOZZLE, TRAILER MTD (ADD 250 TO 600 CFM COMPRESSOR)			$15,059	4.72	1.25	1.49	0.50	0.00	11
	C35AL013	AG-15 AUTOMATI	WET/DRY MIX SPRAYING MACHINE, 3 TO 15 CY/HR, HOPPER, ROTARY PUMPER, 1.5"DIA - 100'HOSE & NOZZLE, TRAILER MTD (ADD 300-900CFM COMPRESSOR)			$13,604	4.52	1.15	1.40	0.45	0.00	15
	C35AL014	POWER CRETER	HIGH PRESSURE GROUT PUMP / MUD JACKING / SHOTCRETE, PLASTER MACHINE,DUAL CYLINDER WITH GROUT 74 GAL MIXER & 30 GAL HOPPER 0-400 PSI, 270 CF/HR & TRAILER MOUNTED (ADD 3" HOSE LINE)	50 HP D-off		$60,810	21.70	5.28	6.49	2.03	2.26	30
			ALIVA									
	C35AV008	AL 246	DRY/SEMI-WET MIX SPRAYING MACHINE,1.4 TO 2.3CY/HR, 1.0 GAL HOPPER, ROTARY PUMPER, 1.50"DIA-100'HOSE,NOZZLE &AIR COMPRESSOR	7 HP E		$23,927	10.11	2.08	2.56	0.80	0.49	9
	C35AV009	AL 252	DRY/SEMI-WET MIX SPRAYING MACHINE, 5 TO 10 CY/HR, 4.2 GAL HOPPER, ROTARY PUMPER, 2.36"DIA-100'HOSE,NOZZLE &AIR COMPRESSOR	16 HP E		$29,187	12.71	2.54	3.13	0.97	1.12	18
	C35AV010	AL 262	WET/DRY MIX SPRAYING MACHINE, 9 TO 13 CY/HR, 4.2 GAL HOPPER, ROTARY PUMPER, 2.36"DIA-100'HOSE,NOZZLE &AIR COMPRESSOR	26 HP E		$52,594	20.98	4.58	5.64	1.76	1.81	27
	C35AV006	AL 285	WET/DRY MIX SPRAYING MACHINE, 11 TO 27.5CY/HR, 6.6GAL HOPPER, ROTARY PUMPER, 2.55"DIA-100'HOSE,NOZZLE &AIR COMPRESSOR	20 HP E		$80,325	28.80	6.96	8.55	2.68	1.40	33
	C35AV011	AL 302	HYDRAULIC SPRAYING ARM, SMALL UNIT 25.6' MAX & 8.2" MIN TUNNEL HEIGHT (ADD TRUCK OR SMALL TRAILER & SHOTCRETE UNIT)	12 HP E		$83,685	28.97	7.28	8.97	2.79	0.84	50

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
C35			*ALIVA (continued)*										
	C35AV012	AL 307	HYDRAULIC SPRAYING ARM, LARGE UNIT 52.5' MAX & 13.1" MIN TUNNEL HEIGHT(ADD TRUCK OR SMALL TRAILER & SHOTCRETE UNIT)	20 HP	E		$120,603	41.66	10.49	12.92	4.03	1.40	68
C40	**CONCRETE MIXING UNITS**												
	SUBCATEGORY 0.00		**CONCRETE MIXING UNITS**										
			MULTIQUIP, INC.										
	C40MU001	WM 700S-B8	6 CF PLASTER/MORTAR MIXER, STEEL DRUM	8 HP	G		$2,686	2.44	0.31	0.43	0.09	0.97	9
	C40MU002	WM 120S-H	12 CF PLASTER/MORTAR MIXER, STEEL DRUM	13 HP	G		$5,709	4.50	0.65	0.91	0.19	1.57	11
	C40MU003	WC 625-R8	6 CF CONCRETE MIXER, STEEL DRUM	8 HP	G		$2,766	2.47	0.31	0.44	0.09	0.97	7
	C40MU004	WC 925-B8	9 CF CONCRETE MIXER, STEEL DRUM	8 HP	G		$3,214	2.65	0.37	0.51	0.11	0.97	8
			MAXON INDUSTRIES										
	C40MX001	36703	2 CY WASTE MIXER, TRAILER MOUNTED (W/ HIGH PRESSURED WATER SYSTEM)	18 HP	D-off		$25,685	11.13	2.83	3.94	0.86	0.75	43
	C40MX003	MCII	4.5 CY WASTE MIXER, TRAILER MOUNTED	52 HP	D-off		$45,759	21.10	5.11	7.15	1.53	2.17	114
	C40MX002	36704	BARREL LOADER - 1000 LB LIFT CAPACITY (ATTACHMENT FOR 36703 WASTE MIXER)				$4,599	2.84	0.52	0.74	0.15	0.00	3
	C40MX007		9 CY AGITATOR (ADD 50,000 GVW TRUCK)				$36,507	16.25	4.14	5.84	1.22	0.00	79
	C40MX006		12 CY AGITATOR (ADD 64,000 GVW TRUCK)				$40,484	17.95	4.60	6.48	1.36	0.00	84
			STOW MANUFACTURING, INC.										
	C40ST001	CM4EB	4 CF CONCRETE MIXER, PORTABLE	1 HP	E		$2,025	1.13	0.23	0.32	0.07	0.07	5
	C40ST002	CM4H	4 CF CONCRETE MIXER, PORTABLE	6 HP	G		$2,265	1.86	0.26	0.36	0.08	0.67	5
	C40ST003	CM6EB	6 CF CONCRETE MIXER, PORTABLE	1 HP	E		$3,009	1.57	0.34	0.48	0.10	0.07	7
	C40ST004	CM6H8	6 CF CONCRETE MIXER, PORTABLE	8 HP	G		$3,301	2.69	0.38	0.53	0.11	0.97	8
	C40ST005	CM9EB	9 CF CONCRETE MIXER, PORTABLE	2 HP	E		$3,894	2.01	0.44	0.62	0.13	0.10	8
	C40ST006	CM9H	9 CF CONCRETE MIXER, PORTABLE	8 HP	G		$4,009	2.97	0.45	0.64	0.13	0.97	8

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C45	**CONCRETE PAVING MACHINES**												
	SUBCATEGORY 0.00		**CONCRETE PAVING MACHINES**										
			CMI CORPORATION (INCLUDING BIDWELL & LOADKING)										
	C45CW001	PST-500	20'-28' WIDE, PLACER-SPREADER-TRIMMER, CRAWLER	250 HP	D-off		$524,280	216.45	52.15	69.90	17.20	11.31	824
			GOMACO CORPORATION										
	C45GO013	GT-3200	CURB/GUTTER SLIPFORM PAVER, 36" WIDE	70 HP	D-off		$109,346	46.25	10.88	14.58	3.59	3.17	120
	C45GO010	COMMANDER II	CURB/GUTTER SLIPFORM PAVER, 2-TRACK	92 HP	D-off		$123,229	52.92	12.26	16.43	4.04	4.16	200
	C45GO014	GT-3600	CURB/GUTTER SLIPFORM PAVER, 3-TRACK	92 HP	D-off		$146,841	61.98	14.61	19.58	4.82	4.16	210
	C45GO011	COMMANDER III	CURB/GUTTER SLIPFORM PAVER, 3-TRACK	169 HP	D-off		$154,392	69.63	15.37	20.59	5.07	7.65	300
	C45GO012	COMMANDER III	CURB/GUTTER SLIPFORM PAVER, 4-TRACK	169 HP	D-off		$275,652	116.12	27.42	36.75	9.04	7.65	369
	C45GO004	GP-2000	PAVER, TWO TRACK, @ 16' WIDE 0-38 FT/MIN, CRAWLER MTD	185 HP	D-off		$253,787	108.73	25.25	33.84	8.33	8.37	340
	C45GO015	GP-2600	PAVER, 2-TRACK, 28' WIDE	230 HP	D-off		$263,215	115.13	26.19	35.10	8.64	10.41	650
	C45GO017	GPH-2800	PAVER, 2-TRACK, 28' WIDE	250 HP	D-off		$416,520	175.13	41.43	55.54	13.66	11.31	700
	C45GO019	GP-4000	PAVER, 2-TRACK, 28' WIDE	325 HP	D-off		$452,732	193.62	45.03	60.36	14.85	14.70	880
	C45GO016	GP-2600	PAVER, 4-TRACK, 28' WIDE	230 HP	D-off		$346,147	146.92	34.44	46.15	11.36	10.41	750
	C45GO018	GPH-2800	PAVER, 4-TRACK, 28' WIDE	250 HP	D-off		$494,376	204.99	49.18	65.92	16.22	11.31	800
	C45GO020	G-4000	PAVER, 4-TRACK, 28' WIDE	325 HP	D-off		$537,237	226.03	53.44	71.63	17.62	14.70	1,150
	C45GO024	C450-X	CYLINDER FINISHER, DOUBLE DRUM, 60' WIDE	32 HP	G		$51,920	25.77	5.16	6.92	1.70	4.15	50
	C45GO025	C-700	CYLINDER FINISHER, DOUBLE DRUM, 60' WIDE	48 HP	G		$67,287	34.61	6.70	8.97	2.21	6.23	55
	C45GO030	9000	TRIMMER/PLACER W/12' TRIMMER HEAD	325 HP	D-off		$271,586	124.16	27.02	36.21	8.91	14.70	462
	C45GO031	9500	TRIMMER/PLACER W/16' TRIMMER HEAD	325 HP	D-off		$344,873	152.26	34.30	45.98	11.31	14.70	669

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER		VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			MILLER SPREADER COMPANY											
	C45MJ001	MC 650	CURB BUILDER, 3.7 CF HOPPER, 6" AUGER	14 HP	G			$7,690	5.52	0.77	1.03	0.25	1.82	8
C55	**CONCRETE PUMPS**													
	SUBCATEGORY 0.00		**CONCRETE PUMPS**											
			MORGEN MANUFACTURING COMPANY											
	C55MO001	210-295	25 CY/HOUR, TRAILER MOUNTED	30 HP	G			$27,435	13.44	2.35	3.06	0.82	3.63	29
	C55MO002	213-184	40 CY/HOUR, TRAILER MOUNTED	80 HP	D-off			$52,807	20.58	4.54	5.92	1.58	3.34	59
	C55MO003	213-185	50 CY/HOUR, TRAILER MOUNTED	110 HP	D-off			$58,663	24.05	5.04	6.58	1.75	4.59	65
	C55MO004	213-658	65 CY/HOUR, TRAILER MOUNTED	110 HP	D-off			$70,916	27.78	6.10	7.96	2.12	4.59	68
	C55MO016	214-380	93 CY/HR, TRAILER MOUNTED	177 HP	D-off			$101,426	40.81	8.68	11.30	3.03	7.39	117
	C55MO017	214-570	122 CY/HR, TRAILER MOUNTED	177 HP	D-off			$107,698	42.72	9.23	12.01	3.22	7.39	118
	C55MO007	212-841	65 CY/HR, 72' VERTICAL BOOM (ADD 23,100 GVW TRUCK)	210 HP	D-off	270 HP	D-on	$203,106	76.71	17.43	22.72	6.07	11.04	300
	C55MO014	217-755	115 CY/HR, 100' VERTICAL BOOM (ADD 41,300 GVW TRUCK)	270 HP	D-off	270 HP	D-on	$287,381	105.71	24.64	32.11	8.58	13.55	360
	C55MO013	217-760	140 CY/HR, 100' VERTICAL BOOM (ADD 41,300 GVW TRUCK)	270 HP	D-off	270 HP	D-on	$293,632	107.62	25.18	32.82	8.77	13.55	360
	C55MO015	216-420	140 CY/HR, 120' VERTICAL BOOM (ADD 41,300 GVW TRUCK)	270 HP	D-off	270 HP	D-on	$418,660	145.57	35.94	46.88	12.50	13.55	360
			SCHWING AMERICA, INC.											
	C55SC001	WP750 D-18X	70 CY/HR, 1100 PSI, TRAILER MTD,	80 HP	D-off			$67,180	24.94	5.78	7.54	2.01	3.34	69
	C55SC002	BPA 2000HDD-20	67 CY/HR, 1,565 PSI, TRAILER MTD,	177 HP	D-off			$146,249	54.41	12.54	16.34	4.37	7.39	115
	C55SC005	BPL 900/KVM 23	75' BOOM, 117 CY/HR, 1,565 PSI, TRUCK MTD, ADD TRUCK	210 HP	D-on			$221,481	81.67	18.95	24.67	6.61	10.58	359
	C55SC006	BPL 900/KVM 28	92' BOOM, 117 CY/HR, 1,565 PSI, TRUCK MTD, ADD TRUCK	210 HP	D-on			$280,883	99.71	24.06	31.33	8.39	10.58	470
	C55SC007	BPL 1200/KVM 32	105' BOOM, 171 CY/HR, 1,285 PSI, TRUCK MTD, ADD TRUCK	230 HP	D-on			$376,428	130.11	32.19	41.89	11.24	11.59	480
	C55SC008	BPL 1200/KVM 36	118' BOOM, 171 CY/HR, 1,285 PSI, TRUCK MTD, ADD TRUCK	230 HP	D-on			$458,104	154.94	39.17	50.98	13.68	11.59	620

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C55			***SCHWING AMERICA, INC. (continued)***										
	C55SC009	BPL 1200/KVM 42	138' BOOM, 196 CY/HR, 1,184 PSI, TRUCK MTD, ADD TRUCK	350 HP	D-on		$585,633	201.89	50.15	65.32	17.49	17.64	730
C60	**CONCRETE SAWS (sawblade wear not included)**												
	SUBCATEGORY 0.00		**CONCRETE SAWS (sawblade wear not included)**										
			CUSHION CUT										
	C60CQ008	RS16	1" DEPTH/CUT, 8" BLADE WIDTH, MANUAL	16 HP	G		$4,024	5.11	0.42	0.60	0.12	2.49	2
	C60CQ011	6500RW14A1	4.625" DEPTH/CUT, 14" BLADE GRD, 8 BELT	65 HP	G		$13,204	19.54	1.40	1.98	0.41	10.12	13
	C60CQ005	815WR	4.875" DEPTH/CUT, 14" BLADE GRD, WALK BEHIND	11 HP	G		$2,087	3.24	0.22	0.31	0.06	1.71	2
	C60CQ006	1613 SP	4.875" DEPTH/CUT, 14" BLADE WIDTH, S/P, W/RECOIL	13 HP	G		$3,342	4.18	0.35	0.50	0.10	2.02	3
	C60CQ004	9516E3	5.625" DEPTH/CUT, 16" BLADE GRD	5 HP	E		$2,904	1.81	0.31	0.44	0.09	0.42	2
	C60CQ002	9816H	5.625" DEPTH/CUT, 16" BLADE GRD	8 HP	G		$2,307	2.69	0.25	0.35	0.07	1.25	2
	C60CQ003	9136H	5.625" DEPTH/CUT, 16" BLADE GRD	13 HP	G		$2,665	3.91	0.28	0.40	0.08	2.02	2
	C60CQ009	3520EC	7.75" DEPTH/CUT, 20" BLADE WIDTH, S/P	20 HP	E		$10,340	6.73	1.10	1.55	0.32	1.67	10
	C60CQ001	3535WC	7.75" DEPTH/CUT, 20" BLADE GRD, S/P (ADD BLADE)	35 HP	G		$10,139	11.72	1.07	1.52	0.31	5.45	10
	C60CQ007	1675 SP	7.875" DEPTH/CUT, 20" BLADE WIDTH, S/P	8 HP	E		$4,920	3.01	0.52	0.74	0.15	0.67	3
	C60CQ014	6530RWE	10.625" DEPTH/CUT, 26" BLADE GRD	30 HP	E		$13,141	9.17	1.39	1.97	0.40	2.51	13
	C60CQ015	6572RWTD26	10.625" DEPTH/CUT, 26" BLADE GRD	72 HP	D-off		$22,675	66.28	2.40	3.40	0.70	38.42	20
	C60CQ012	6500RW26V1	10.625" DEPTH/CUT, 26" BLADE GRD,10 BELT	65 HP	G		$13,329	19.59	1.41	2.00	0.41	10.12	13
	C60CQ010	3528DT	12.125" DEPTH/CUT, 30" BLADE WIDTH, S/P, W/TRANSAXLE	28 HP	D-off		$15,541	28.43	1.65	2.33	0.48	14.94	10
	C60CQ013	6500RW36L1	14.825" DEPTH/CUT, 36" BLADE GRD,10 BELT	65 HP	G		$14,032	19.86	1.48	2.10	0.43	10.12	13
	C60CQ016	6572RWTD36	14.875" DEPTH/CUT, 36" BLADE GRD	72 HP	D-off		$22,815	66.33	2.41	3.42	0.70	38.42	20
	C60CQ017	6572RWTD54	22.875" DEPTH/CUT, 54" BLADE GRD	72 HP	D-off		$27,256	68.09	2.89	4.09	0.84	38.42	20
			FELKER										
	C60FE001	S80/12Z	4" DEPTH OF CUT, 12" BLADE, HANDHELD	1 HP	G		$1,081	0.65	0.11	0.16	0.03	0.16	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C60			***FELKER (continued)***										
	C60FE002	S80/14Z	5" DEPTH OF CUT, 14" BLADE, HANDHELD	2 HP	G		$1,141	0.90	0.13	0.17	0.04	0.31	1
	C60FE006	CCS 8KM	4.625" DEPTH/CUT, 14" BLADE, WALK-BEHIND	8 HP	G		$2,212	2.65	0.24	0.33	0.07	1.25	3
	C60FE007	CCS 13H	4.625" DEPTH/CUT, 14" BLADE, WALK-BEHIND	13 HP	G		$2,714	3.93	0.29	0.41	0.08	2.02	2
	C60FE009	MRCII20H	7.5" DEPTH/CUT, 20" BLADE	20 HP	G		$8,251	7.66	0.87	1.24	0.25	3.11	6
			CUSHION CUT DIVISION, BOART LONGYEAR										
	C60LY001	360-10AP	WALL SAW SYSTEM, 1700 PSI (INCLUDES POWER PACK & BLADE)	10 HP	G		$21,028	10.53	2.23	3.15	0.65	1.56	2
	C60LY002	360-35HM	WALL SAW SYSTEM, 2500 PSI (INCLUDES POWER PACK & BLADE)	35 HP	G		$33,548	20.98	3.55	5.03	1.03	5.45	2
	C60LY005	815WR	7" DEPTH OF CUT, WALK-BEHIND	11 HP	G		$2,087	3.24	0.22	0.31	0.06	1.71	2
	C60LY011	WSF-36	HEAVY DUTY WIRE SAW SYSTEM	52 HP	D-off		$51,543	61.79	5.46	7.73	1.59	27.75	15
	C60LY012	9000	5.625" DEPTH OF CUT, WALK-BEHIND	8 HP	G		$2,453	2.75	0.27	0.37	0.08	1.25	9
C65	**CONCRETE VIBRATORS**												
	SUBCATEGORY 0.00		**CONCRETE VIBRATORS**										
			STOW MANUFACTURING, INC.										
	C65ST007	DI-1 115V	1.375" HEAD, 21' SHFT (ADD GENERATOR)	1 HP	E		$941	1.06	0.14	0.21	0.03	0.06	1
	C65ST010	75ER 115V	1.375" HEAD, 21' SHFT (ADD GENERATOR)	1 HP	E		$946	1.07	0.14	0.21	0.03	0.06	1
	C65ST008	DI-2 115V	2.375" HEAD, 21' SHFT (ADD GENERATOR)	2 HP	E		$1,061	1.28	0.15	0.24	0.03	0.12	1
	C65ST011	130ER 115V	2.125" HEAD, 21' SHFT (ADD GENERATOR)	2 HP	E		$1,186	1.42	0.18	0.27	0.04	0.12	1
	C65ST009	DI-3 115V	2.625" HEAD, 21' SHFT (ADD GENERATOR)	3 HP	E		$1,297	1.62	0.19	0.29	0.04	0.18	1
	C65ST012	200ER 115V	2.625" HEAD, 21' SHFT (ADD GENERATOR)	3 HP	E		$1,340	1.66	0.19	0.30	0.04	0.18	1
	C65ST013	G550HC	2.625" HEAD, 21' SHFT (ADD GENERATOR)	6 HP	G		$1,775	2.72	0.26	0.40	0.06	0.62	2

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			WACKER CORPORATION										
	C65WC005	B 5000	HI-FREQ INTERNAL, 1.75"HD WITH GAS MOTOR	5 HP	G		$1,622	2.60	0.23	0.36	0.05	0.56	1
	C65WC004	M 3000	HI-FREQ INTERNAL,1.75"HD (ADD GENERATOR)	3 HP	E		$1,291	1.75	0.19	0.29	0.04	0.18	1
	C65WC003	IREN 57	HI-FREQ INTERNAL, 2.5"HD (ADD GENERATOR)	2 HP	E		$2,418	2.83	0.35	0.54	0.08	0.12	1
			NO SPECIFIC MANUFACTURER										
	C65XX001	A-25010	2.5" DIA HEAD (ADD COMPRESSOR)	40 CFM	A		$900	0.99	0.13	0.20	0.03	0.00	1
	C65XX002	A-30010	3" DIA HEAD (ADD COMPRESSOR)	64 CFM	A		$1,089	1.22	0.17	0.25	0.04	0.00	1
	C65XX003	A-35010	3.5" DIA HEAD (ADD COMPRESSOR)	82 CFM	A		$1,206	1.35	0.18	0.27	0.04	0.00	1
	C65XX004	A-450SH	4.5" DIA HEAD (ADD COMPRESSOR)	110 CFM	A		$1,452	1.64	0.22	0.33	0.05	0.00	1
	C65XX005	A-600SH	6" DIA HEAD (ADD COMPRESSOR)	125 CFM	A		$2,653	2.90	0.39	0.60	0.09	0.00	1
C75	**CRANES, HYDRAULIC, SELF-PROPELLED**												
	SUBCATEGORY 0.00		**CRANES, HYDRAULIC, SELF-PROPELLED**										
			BRODERSON MANUFACTURING COMPANY										
	C75BD004	IC-35	4.0 TON, 19' HYD-BOOM, YARD CRANE, 4X2	42 HP	G		$67,744	18.88	4.05	4.05	2.02	5.45	74
	C75BD005	IC-80-F	9.0 TON, 30' HYD-BOOM, YARD CRANE, 4X2	66 HP	G		$87,833	26.58	5.24	5.25	2.61	8.56	144
	C75BD006	IC-200-3D	15.0 TON, 50' HYD-BOOM, YARD CRANE, 4X2	110 HP	G		$129,239	41.57	7.70	7.69	3.85	14.27	297
			GROVE WORLDWIDE (Includes GROVE & MANLIFT)										
	C75GV021	YB4410	10 TON, 30' HYD BOOM, YARD CRANE, 4X4	62 HP	G		$103,380	28.45	6.18	6.20	3.08	8.04	173
	C75GV022	YB4415XT	15 TON, 52' HYD BOOM, YARD CRANE, 4X4	110 HP	D-off		$124,348	27.56	7.40	7.39	3.70	4.98	313
	C75GV006	RT58D	20 TON, 60' HYD BOOM, ROUGH TERRAIN, 4X4	130 HP	D-off		$242,011	48.70	14.44	14.47	7.20	5.88	441
	C75GV023	RT530E	30 TON, 95' HYD BOOM, ROUGH TERRAIN, 4X4	152 HP	D-off		$296,498	62.47	17.40	17.13	8.83	6.88	580

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C75			***GROVE WORLDWIDE (Includes GROVE & MANLIFT) (continued)***									
	C75GV024	RT640C	40 TON, 105' HYD BOOM, ROUGH TERRAIN,4X4	152 HP D-off		$420,196	82.70	24.83	24.64	12.51	6.88	650
	C75GV019	RT750	50 TON, 110' HYD BOOM, ROUGH TERRAIN,4X4	177 HP D-off		$578,610	110.33	34.34	34.23	17.22	8.01	876
	C75GV014	RT760	60 TON, 110' HYD BOOM, ROUGH TERRAIN,4X4 W/HOOK BLOCK & BALL	198 HP D-off		$619,775	118.20	36.84	36.77	18.45	8.96	909
	C75GV025	RT870	70 TON, 110' HYD BOOM, ROUGH TERRAIN,4X4	198 HP D-off		$695,061	130.52	41.36	41.34	20.69	8.96	1,038
	C75GV020	RT890	90 TON, 114' HYD BOOM, ROUGH TERRAIN,4X4	250 HP D-off		$728,901	139.51	43.38	43.36	21.70	11.31	1,119
	C75GV016	RT9100	100TON, 114' HYD BOOM, ROUGH TERRAIN,4X4 W/HOOK BLOCK & BALL	250 HP D-off		$916,224	172.42	54.41	54.28	27.27	11.31	1,364
			LINK BELT CONSTRUCTION COMPANY									
	C75LB007	RTC-8030- Series	30 TON, 91' HYD BOOM, ROUGH TERRAIN,4X4	152 HP D-off		$280,419	56.74	16.71	16.71	8.35	6.88	569
	C75LB008	RTC-8040- Series	40 TON, 105' HYD BOOM, ROUGH TERRAIN,4X4	165 HP D-off		$403,439	78.18	24.04	24.06	12.01	7.46	702
	C75LB009	RTC-8050	50 TON, 110' HYD BOOM, ROUGH TERRAIN,4X4	215 HP D-off		$511,477	97.92	29.95	29.45	15.22	9.73	854
	C75LB010	RTC-8065	65 TON, 115' HYD BOOM, ROUGH TERRAIN,4X4	210 HP D-off		$573,795	107.81	33.70	33.23	17.08	9.50	934
	C75LB011	RTC-8070	70 TON, 127' HYD BOOM, ROUGH TERRAIN,4X4	210 HP D-off		$595,562	111.37	35.01	34.55	17.73	9.50	954
			TADANO AMERICA CORPORATION									
	C75TD003	TR-300XL-3	30 TON, 112' BOOM, ROUGH TERRAIN, 4X4	180 HP D-off		$320,568	65.84	19.07	19.05	9.54	8.14	537
	C75TD006	TR-350XL-3	35 TON, 155' BOOM, ROUGH TERRAIN, 4X4	247 HP D-off		$375,930	79.49	22.36	22.33	11.19	11.17	621
	C75TD007	TR-500XL-3	50 TON, 175' BOOM, ROUGH TERRAIN, 4X4	247 HP D-off		$603,540	116.53	35.71	35.48	17.97	11.17	882
	C75TD008	TR-650XL-3	65 TON, 180' BOOM, ROUGH TERRAIN, 4X4	247 HP D-off		$560,287	112.05	33.21	33.06	16.68	11.17	945

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			TEREX CORPORATION									
	C75TE001	RT230	30 TON, 94' HYD BOOM, ROUGH TERRAIN,4X4	130 HP D-off		$302,098	58.89	18.01	18.03	8.99	5.88	563
	C75TE002	RT335/40	40 TON, 94' HYD BOOM, ROUGH TERRAIN,4X4	152 HP D-off		$414,286	79.16	24.69	24.72	12.33	6.88	634
	C75TE003	RT450	50 TON, 105' HYD BOOM, ROUGH TERRAIN,4X4	174 HP D-off		$398,282	79.54	23.61	23.50	11.86	7.87	767
	C75TE004	RT160	60 TON, 115' HYD BOOM, ROUGH TERRAIN,4X4	215 HP D-off		$481,544	93.02	28.15	27.63	14.33	9.73	905
	C75TE005	RT175	75 TON, 126' HYD BOOM, ROUGH TERRAIN,4X4	260 HP D-off		$651,847	123.71	38.39	37.97	19.40	11.76	982
	C75TE006	RT190	90 TON, 124' HYD BOOM, ROUGH TERRAIN,4X4	260 HP D-off		$705,177	132.44	41.60	41.21	20.99	11.76	1,106
	C75TE007	RT110	100TON, 149' HYD BOOM, ROUGH TERRAIN,4X4	260 HP D-off		$808,394	154.24	48.05	47.97	24.06	11.76	1,230
C80	**CRANES, HYDRAULIC, TRUCK MOUNTED**											
	SUBCATEGORY 0.01		**UNDER 26 TON**									
			LINK BELT CONSTRUCTION COMPANY									
	C80LB006	HTC-814	14 TON, 80' BOOM, 6X4	200 HP D-off		$336,536	55.75	18.77	17.63	9.95	7.66	486
	C80LB005	ATC-822	22 TON, 70' HYD BOOM, ALL TERRAIN, 4X4	190 HP D-off		$290,395	49.23	16.17	15.16	8.59	7.27	392
	SUBCATEGORY 0.02		**26 TON THRU 65 TON**									
			GROVE WORLDWIDE (Includes GROVE & MANLIFT)									
	C80GV025	TMS-540	40 TON, 90' HYD BOOM, TRUCK MTD, 6X4	300 HP D-off		$435,152	70.73	22.99	20.38	12.80	11.48	540
	C80GV006	TMS-700B	50 TON, 110' HYD BOOM, TRUCK MTD, 8X4	400 HP D-off		$533,861	88.38	28.22	25.01	15.71	15.31	771
	C80GV026	GMK 3050	55 TON, 125' HYD BOOM, ALL TERRAIN, 8X4	349 HP D-off		$587,635	92.85	31.01	27.44	17.29	13.36	745
			LINK BELT CONSTRUCTION COMPANY									
	C80LB007	HTC-830	30 TON, 80' BOOM, 6X4	200 HP D-off		$337,934	53.51	17.81	15.73	9.94	7.66	486

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C80			*LINK BELT CONSTRUCTION COMPANY (continued)*									
	C80LB008	HTC-835	35 TON, 101' BOOM, 6X4	210 HP D-off		$357,270	56.46	18.84	16.65	10.51	8.04	514
	C80LB009	HTC-6650	50 TON, 110' BOOM, 8X4	234 HP D-off		$455,175	70.11	24.01	21.24	13.39	8.96	746
	C80LB004	HTC-8640	40 TON, 105' HYD BOOM, TRUCK MTD, 6X4	350 HP D-off		$397,987	68.81	20.99	18.56	11.71	13.40	595
	C80LB003	HTC-8650	50 TON, 110' HYD BOOM, TRUCK MTD, 8X4	365 HP D-off		$479,676	80.14	25.26	22.30	14.11	13.97	818
			TEREX CORPORATION									
	C80TE001	T230	30 TON, 94' HYD BOOM, TRUCK MTD, 6X4	250 HP D-off		$378,382	61.09	19.97	17.67	11.13	9.57	506
	C80TE002	T335/40	40 TON, 94' HYD BOOM, TRUCK MTD, 6X4	250 HP D-off		$304,936	51.90	16.06	14.17	8.97	9.57	493
	C80TE003	T 500	50 TON, 110' HYD BOOM, TRUCK MTD, 8X4	370 HP D-off		$404,917	70.93	21.30	18.77	11.91	14.16	806
	SUBCATEGORY 0.03		**66 TON THRU 125 TON**									
			GROVE WORLDWIDE (Includes GROVE & MANLIFT)									
	C80GV020	TMS-870	70 TON, 110' HYD BOOM, TRUCK MTD, 8X4 HYD CRANE, 8X4	400 HP D-off		$764,926	115.20	38.51	32.24	22.39	15.31	9,161
	C80GV021	TMS-9100	100 TON, 110' HYD BOOM, TRUCK MTD, 8X4	400 HP D-off		$1,024,618	147.55	51.58	43.16	30.00	15.31	1,372
	C80GV022	TMS-9120	120 TON, 110' HYD BOOM, TRUCK MTD, 8X4	400 HP D-off		$1,205,516	169.39	60.78	50.97	35.29	15.31	1,095
	C80GV023	GMK 4085B	85 TON, 125' HYD BOOM, ALL TERRAIN, 8X4	335 HP D-off		$893,145	127.65	45.00	37.69	26.15	12.82	896
	C80GV024	GMK 4100	100 TON, 141' HYD BOOM, ALL TERRAIN, 8X4	335 HP D-off		$996,776	140.39	50.23	42.10	29.18	12.82	1,028
			LINK BELT CONSTRUCTION COMPANY									
	C80LB001	HTC-8670	70 TON, 115' HYD BOOM, TRUCK MTD, 8X4	365 HP D-off		$550,253	87.19	27.65	23.07	16.11	13.97	936
	C80LB002	HTC-11100	100 TON, 115' HYD BOOM, TRUCK MTD, 8X4	430 HP D-off		$738,509	113.81	37.14	31.03	21.62	16.46	1,139

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			TADANO AMERICA CORPORATION									
	C80TD001	ATF-650XL	65 TON, 132' BOOM, ALL TERRAIN, 8X6-8X8	121 HP D-off	349 HP D-on	$614,968	87.97	30.68	25.36	18.00	7.56	1,090
	C80TD002	ATF-1000XL	100 TON, 138' BOOM, ALL TERRAIN, 8X4-8X8	158 HP D-off	375 HP D-on	$765,347	108.46	38.29	31.75	22.41	9.20	1,070
			TEREX CORPORATION									
	C80TE004	T 750	75 TON, 126' HYD BOOM, TRUCK MTD, 8X4	414 HP D-off		$585,544	94.19	29.41	24.53	17.14	15.85	1,001
	SUBCATEGORY 0.04		**OVER 125 TON**									
			GROVE WORLDWIDE (Includes GROVE & MANLIFT)									
	C80GV013	GMK 5150B	150 TON, 173' HYD BOOM, ALL TERRAIN,10X8	165 HP D-off	526 HP D-off	$1,269,714	169.07	61.37	48.64	37.05	9.98	1,180
	C80GV014	GMK 5175	175 TON, 173' HYD BOOM, ALL TERRAIN,10X8	165 HP D-off	526 HP D-off	$1,620,875	211.27	78.40	62.21	47.29	9.98	1,336
	C80GV015	GMK 5210	210 TON, 173' HYD BOOM, ALL TERRAIN,10X8	165 HP D-off	571 HP D-off	$1,748,958	227.08	84.61	67.16	51.03	10.29	2,348
	C80GV016	GMK 6300B	300 TON, 173' HYD BOOM, ALL TERRAIN,12X8	269 HP D-off	533 HP D-off	$2,221,997	289.39	107.51	85.35	64.83	14.01	1,425
			TADANO AMERICA CORPORATION									
	C80TD005	ATF-1500XL	150 TON, 162'BOOM, ALL TERRAIN,10X6-10X8	533 HP D-off	503 HP D-on	$918,945	146.05	44.12	34.62	26.81	24.63	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 COMPANY									
	C85LB019	LS-208H II	80 TON, 100' LATTICE BOOM, CRAWLER MTD (ADD DRAGLINE OR CLAMSHELL BUCKET)	263 HP D-off		$644,565	108.14	35.91	32.23	19.79	8.54	1,480
	C85LB020	LS-218H II	110 TON, 100' LATTICE BOOM, CRAWLER MTD (ADD DRAGLINE OR CLAMSHELL BUCKET)	263 HP D-off		$845,914	138.08	47.12	42.30	25.97	8.54	1,773

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			TEREX CORPORATION									
	C85TE001	5220	7 TON DRAGLINE/CLAM, 100' LATTICE BOOM (ADD DRAGLINE OR CLAM BUCKET)	150 HP D-off		$546,180	88.23	30.43	27.31	16.77	4.87	831
	C85TE002	7225	9.75TON DRAGLINE/CLAM, 100' LATTICE BOOM (ADD DRAGLINE OR CLAM BUCKET)	250 HP D-off		$760,447	124.76	42.35	38.02	23.34	8.12	1,259
	SUBCATEGORY 0.13		**DRAGLINE, CLAMSHELL, OVER 2.5 CY THRU 5.0 CY**									
			LINK BELT CONSTRUCTION COMPANY									
	C85LB021	LS-238H	150 TON, 100' LATTICE BOOM, CRAWLER MTD (ADD DRAGLINE OR CLAMSHELL BUCKET)	207 HP D-off		$939,494	142.56	49.58	41.76	28.70	6.72	2,435
	C85LB022	LS-248H II	200 TON, 120' LATTICE BOOM, CRAWLER MTD (ADD DRAGLINE OR CLAMSHELL BUCKET)	248 HP D-off		$1,257,010	189.54	66.34	55.87	38.40	8.06	3,228
			MANITOWOC ENGINEERING COMPANY									
	C85MA001	3900 VICON	3.5 CY DRAGLINE/CLAM, 80' BOOM, 20' 4"CRAWLERS W/38"SHOES (ADD BUCKET)	335 HP D-off		$961,292	151.01	50.73	42.72	29.37	10.88	1,988
	C85MA002	4100W VICON #1	5 CY DRAGLINE/CLAM, 130' BOOM, 26' 6"CRAWLERS W/48"SHOES (ADD BUCKET)	335 HP D-off		$1,554,895	235.63	82.06	69.11	47.50	10.88	3,815
			TEREX CORPORATION									
	C85TE003	9225	15 TON DRAGLINE/CLAM, 100' LATTICE BOOM (ADD DRAGLINE OR CLAM BUCKET)	335 HP D-off		$963,569	151.34	50.86	42.83	29.44	10.88	2,482
	SUBCATEGORY 0.14		**DRAGLINE, CLAMSHELL, OVER 5.0 CY**									
			LINK BELT CONSTRUCTION COMPANY									
	C85LB023	LS-278H	250 TON, 120' LATTICE BOOM, CRAWLER MTD (ADD DRAGLINE OR CLAMSHELL BUCKET)	440 HP D-off		$1,533,323	229.79	77.36	61.33	46.69	14.29	4,313
			MANITOWOC ENGINEERING COMPANY									
	C85MA003	4600 VICON #3	7 CY DRAGLINE/CLAM, 140' BOOM, 26' 1"CRAWLERS W/60"SHOES (ADD BUCKET)	680 HP D-off		$1,824,628	280.13	92.07	72.99	55.57	22.09	5,100
	C85MA009	888	10 CY DRAGLINE/CLAM, 70' BOOM, 28' 2.5" CRAWLERS W/48" SHOES, ADD BKT	330 HP D-off		$1,211,754	180.85	61.14	48.47	36.90	10.72	3,397

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.22		**LIFTING, 26 TON THRU 50 TON**									
			LINK BELT CONSTRUCTION COMPANY									
	C85LB018	LS-108H II	50 TON, 70' LATTICE BOOM, CRAWLER MTD (ADD DRAGLINE /CLAMSHELL BUCKET)	147 HP D-off		$411,775	57.35	21.73	18.30	12.58	3.58	1,040
	C85LB012	LS-108H II	50 TON, 140' LATTICE BOOM, CRAWLER MTD	147 HP D-off		$467,790	64.54	24.69	20.79	14.29	3.58	1,074
	SUBCATEGORY 0.23		**LIFTING, 51 TON THRU 150 TON**									
			KOBELCO AMERICA, INC.									
	C85KC004	CK550	55 TON, 160' LATTICE BOOM, CRAWLER MTD	178 HP D-off		$543,773	74.18	27.48	23.11	15.92	4.34	1,071
	C85KC005	CK850	85 TON, 180' LATTICE BOOM, CRAWLER MTD	213 HP D-off		$630,325	86.20	31.85	26.79	18.45	5.19	1,729
	C85KC003	CK1000	100 TON, 200' LATTICE BOOM, CRAWLER MTD	265 HP D-off		$862,634	117.14	43.58	36.66	25.25	6.46	1,899
			LINK BELT CONSTRUCTION COMPANY									
	C85LB013	LS-208H II	80 TON, 190' LATTICE BOOM, CRAWLER MTD	263 HP D-off		$678,376	93.82	34.28	28.83	19.86	6.41	1,456
	C85LB014	LS-218H II	110 TON, 230' LATTICE BOOM, CRAWLER MTD	263 HP D-off		$890,106	120.54	44.98	37.83	26.06	6.41	1,906
	C85LB015	LS-238H	150 TON, 240' LATTICE BOOM, CRAWLER MTD	207 HP D-off		$1,005,764	133.36	50.81	42.74	29.44	5.04	2,553
			MANITOWOC ENGINEERING COMPANY									
	C85MA004	3900 VICON	100 TON LIFTING CRANE, 210' BOOM, 20' 4" CRAWLERS W/38" SHOES	335 HP D-off		$990,913	135.51	50.07	42.11	29.01	8.16	2,354
	C85MA008	3950W	125 TON LIFTING CRANE, 260' BOOM, 24' CRAWLERS W/48" SHOES	335 HP D-off		$1,269,323	170.64	64.14	53.95	37.16	8.16	3,121
	C85MA005	3900W VICON #2	140 TON LIFTING CRANE, 250' BOOM, 24' CRAWLERS W/48" SHOES	335 HP D-off		$1,132,730	153.40	57.23	48.14	33.16	8.16	2,744

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			TEREX CORPORATION									
	C85TE008	HC 80	80 TON, 200' LATTICE BOOM, CRAWLER MTD	184 HP D-off		$596,850	81.06	30.16	25.37	17.47	4.48	1,527
	C85TE009	HC 100	100 TON, 230' LATTICE BOOM, CRAWLER MTD	230 HP D-off		$744,132	101.09	37.61	31.63	21.79	5.60	2,033
	C85TE010	HC 125	125 TON, 240' LATTICE BOOM, CRAWLER MTD	240 HP D-off		$942,759	126.47	47.64	40.07	27.60	5.85	2,128
	SUBCATEGORY 0.24		**LIFTING, OVER 150 TON**									
			KOBELCO AMERICA, INC.									
	C85KC006	CK2500	250 TON, 280' LATTICE BOOM, CRAWLER MTD	279 HP D-off		$1,621,105	208.44	78.62	62.63	47.30	6.80	4,985
			LINK BELT CONSTRUCTION COMPANY									
	C85LB016	LS-248H II	200 TON, 280' LATTICE BOOM, CRAWLER MTD	248 HP D-off		$1,309,496	169.09	63.51	50.59	38.21	6.04	3,341
	C85LB017	LS-278H	250 TON, 330' LATTICE BOOM, CRAWLER MTD	440 HP D-off		$1,712,421	224.82	83.04	66.16	49.96	10.72	4,309
			MANITOWOC ENGINEERING COMPANY									
	C85MA006	4100W VICON #1	200 TON LIFTING CRANE, 260' BOOM, 26' 6" CRAWLERS W/48" SHOES	335 HP D-off		$1,486,187	193.62	72.07	57.42	43.36	8.16	3,929
	C85MA010	888	230 TON LIFTING CRANE, 300' BOOM,	330 HP D-off		$1,511,383	196.57	73.30	58.39	44.10	8.04	3,697
	C85MA007	4600 VICON #3	240 TON LIFTING CRANE, 260' BOOM, 26' 1" CRAWLERS W/60" SHOES	431 HP D-off		$2,330,752	300.65	113.04	90.05	68.01	10.50	4,942
			TEREX CORPORATION									
	C85TE014	HC 185	185 TON, 280' LATTICE BOOM, CRAWLER MTD	315 HP D-off		$1,271,835	166.60	61.68	49.14	37.11	7.67	3,076
	C85TE011	HC 210	210 TON, 280' LATTICE BOOM, CRAWLER MTD	315 HP D-off		$1,395,112	181.77	67.66	53.90	40.71	7.67	3,708
	C85TE012	9310-A	225 TON 280' LATTICE BOOM, CRAWLER MTD	335 HP D-off		$1,402,031	183.26	68.00	54.17	40.91	8.16	3,984
	C85TE013	9320	250 TON 280' LATTICE BOOM, CRAWLER MTD	335 HP D-off		$1,538,113	200.02	74.60	59.43	44.88	8.16	4,273

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER		VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C90	**CRANES, MECHANICAL, LATTICE BOOM, TRUCK MOUNTED**													
	SUBCATEGORY 0.04		**OVER 125 TON**											
			LINK BELT CONSTRUCTION COMPANY											
	C90LB004	HC-238H	150 TON, 280' BOOM	207 HP	D-off	430 HP	D-on	$1,134,774	151.26	54.83	40.75	34.45	9.25	2,012
	C90LB005	HC-248H	200 TON, 340' BOOM	248 HP	D-off	430 HP	D-on	$1,352,082	178.79	65.37	48.65	41.04	10.49	2,287
	C90LB006	HC-278H	300 TON, 450' BOOM	360 HP	D-off	430 HP	D-on	$2,192,527	283.38	106.16	79.21	66.55	13.87	3,265
	C90LB001	HC-238H	150 TON,260' LATTICE BOOM, TRUCK MTD,8X4	207 HP	D-off	430 HP	D-off	$1,223,111	161.24	59.14	44.02	37.13	8.73	1,913
	C90LB002	HC-248H	200 TON,280' LATTICE BOOM, TRUCK MTD,8X4	248 HP	D-off	430 HP	D-off	$1,411,881	185.37	68.30	50.88	42.86	9.97	2,476
	C90LB003	HC-278H	300TON,330' LATTICE BOOM, TRUCK MTD,12X6	360 HP	D-off	430 HP	D-off	$2,236,997	290.08	108.23	80.65	67.90	13.35	3,385
C95	**CRANES, TOWER**													
	SUBCATEGORY 0.00		**CRANES, TOWER**											
			MORROW EQUIPMENT COMPANY, PECCO											
	C95AP004	SK200	HORIZONTAL BOOM, JIB CRANE, 6800# @ HOOK 181' RADIUS& 42.6'HOOK HEIGHT WITH THREE S16 TOWER SECTION (ADD S16&S35 SECTIONS) FREE STANDING, 13.8 TON MAXIMUM CAP, (ADD 95KW,250A GENERATOR OR SITE POWER)	128 HP	E			$440,941	76.46	23.27	19.60	13.47	7.74	970
	C95AP005	S16-35 TOWER S	TOWER SEC.S35 TRANSITION TO S16,1.1'TALL TO INCREASE HEIGHT&ADD STRONGER SECTIONS					$13,939	1.89	0.74	0.62	0.43	0.00	16
	C95AP006	S35 TOWER SEC	TOWER SECTION 19.33' TALL, 7.83' X 8' W (OPTION TO INCREASE HEIGHT, SK 140->400)					$26,821	3.63	1.42	1.19	0.82	0.00	89
	C95AP007	SK400	HORIZONTAL BOOM, JIB CRANE, 6600# @ HOOK 245' RADIUS &56.7'HOOK HEIGHT WITH THREE S35 TOWER SECTION (ADD S35&S60 SECTIONS) FREE STANDING, 22.0 TON MAXIMUM CAP, (ADD 160KW,300A GENERATOR OR SITE POWER)	213 HP	E			$698,101	120.77	36.85	31.03	21.33	12.88	1,783

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

	REGION 9			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES ($/HR)		ADJUSTABLE ELEMENTS			
CAT	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	1998 ($)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
C95			***MORROW EQUIPMENT COMPANY, PECCO (continued)***									
	C95AP008	S35 CLIMBING U	BOTTOM CLIMBING UNIT, 29.2'TALL,11.5'SQ (OPTION - TO INSTALL S35 TOWER SECTIONS)			$107,510	15.06	5.67	4.78	3.28	0.00	248
	C95AP009	S35-60 TOWER S	TOWER SEC. S60TRANSITION-> S35,19.4'TALL TO INCREASE HEIGHT AND STRONGER SECTIONS			$35,977	4.87	1.90	1.60	1.10	0.00	99
	C95AP010	SK560	HORIZONTAL BOOM, JIB CRANE, 5700# @ HOOK 265' RADIUS& 76.5' HOOK HEIGHT WITH FOUR S60 TOWER SECTION(ADD S60 SECTIONS) FREE STANDING, 35.3 TON MAXIMUM CAP, (ADD 161KW,300A GENERATOR OR SITE POWER)	217 HP E		$927,208	152.18	48.94	41.21	28.33	13.12	1,557
	C95AP011	S60 TOWER SEC	TOWER SECTION 19.33' TALL, 7.9' SQ (OPTION TO INCREASE HEIGHT, SK225->560)			$33,677	4.57	1.78	1.50	1.03	0.00	99
	C95AP012	S60 CLIMB UNIT	BOTTOM CLIMBING UNIT,32.8'TALL 7'.91' SQ (OPTION - TO INSTALL S60 TOWER SECTIONS)			$133,714	18.61	7.06	5.94	4.09	0.00	258
	C95AP013	SN355	ANGLED 15-82DEG)LUFFING BOOM,TOWER CRANE 7700# @ 197' RADIUS & 110.9' HOOK HEIGHT WITH THREE SN35 TOWER SECTION(ADD SN35 & S60 SECTION)17.6T MAXI CAP,FREE STANDING (ADD 300KW,400A GENERATOR OR SITE POWER)	354 HP E		$893,624	161.27	47.16	39.72	27.30	21.40	2,748
	C95AP014	SN35 TOWER SE	OPTIONAL 14' 9" TOWER SECTION (ADD TO SN355 CRANE FOR EACH SECTION)			$30,637	4.15	1.62	1.36	0.94	0.00	89
	C95AP015	SN35 CLIMBING	OPTIONAL 29' 3" TOP CLIMBING OPTION (ADD TO SN355 CRANE FOR EACH SECTION)			$116,777	15.82	6.17	5.19	3.57	0.00	248
	C95AP016	S35N-60TOWER	TOWER SEC.S60TRANSITION-> SN35,19.4'TALL (ADD TO SN355 CRANE FOR EACH SECTION)			$40,997	5.55	2.16	1.82	1.25	0.00	99
	C95AP017	SK140	HORIZONTAL BOOM, JIB CRANE, 6200# @ HOOK 151' RADIUS & 85' HOOK HEIGHT WITH FIVE S16 TOWER SECTION (ADD S16&S35 SECTIONS) FREE STANDING, 6.9TON MAXIMUM CAP, (ADD 95KW, 250A GENERATOR OR SITE POWER)	125 HP E		$378,802	66.76	19.99	16.84	11.57	7.56	1,309
	C95AP018	S16 TOWER SEC	TOWER SECTION, 14.75' TALL, 7' 7" SQ (OPTION TO INCREASE HEIGHT, SK140->200)			$12,947	1.76	0.69	0.58	0.40	0.00	55

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
C95			***MORROW EQUIPMENT COMPANY, PECCO (continued)***										
	C95AP019	S16 CLIMBING U	BOTTOM CLIMBING UNIT,29.2'TALL9.75X9.25' (OPTION - TO INSTALL S16 TOWER SECTIONS)				$72,830	10.37	3.85	3.24	2.23	0.00	165
	C95AP020	SN141	ANGLED 15-83DEG)LUFFING BOOM,TOWER CRANE 3300# @ 147' RADIUS @ 89.9' HOOK HEIGHT WITH THEE S16 TOWER SECTION (ADD S16 SECTIONS) 8.8TON MAXI CAP, FREE STANDING (ADD 200KW,300A GENERATOR OR SITE POWER)	223 HP	E		$415,581	81.49	21.94	18.47	12.70	13.48	1,082
	C95AP021	SN160-16	ANGLED 15-83DEG)LUFFING BOOM,TOWER CRANE 5700# @ 164' RADIUS @ 88.6' HOOK HEIGHT WITH THREE S16 TOWER SECTION(ADD S16 &SN 35SECTIONS)17.6T MAXI CAP, FREE STANDING (ADD 250KW,350A GENERATOR OR SITE POWER)	258 HP	E		$647,328	117.37	34.17	28.77	19.78	15.60	1,179
	C95AP022	PH5000-12	SINGLE CAR PERSONNEL & MATERIAL HOIST 4,800# CAP, 24 PASSENGERS, 150 FPM, 4'10' X 12'6" X 8'8" TALL CAGE, 10' MAST (REQUIRES 8.6X14'X1' THICK ELEVATOR PIT) (ADD 18 KW,100A GENERATOR OR SITE POWER)	24 HP	E		$98,054	15.68	5.18	4.36	3.00	1.45	130
	C95AP023	MAST SECTION	4' 11" MAST SECTION FOR PERSONNEL AND MATERIAL HOSTS, REQUIRES WALL TIE AND AND CABLE GUIDE EVERY 30'				$2,314	0.31	0.12	0.10	0.07	0.00	3
			MORROW EQUIPMENT COMPANY										
	C95LH003	132 HC	HORIZONTAL BOOM, JIB CRANE, 4850# @ 168" RADIUS & 147.8' HOOK HEIGHT WITH FOURTEEN - 8' 2" TOWER SECTIONS, 8.8 TON MAXIMUM CAP, FREE STANDING (ADD 85KW, 150A GENERATOR OR SITE POWER)	109 HP	E		$386,521	66.20	20.40	17.18	11.81	6.59	1,156
	C95LH004	132 HC	HORIZONTAL BOOM, JIB CRANE, 4850# @ 168' RADIUS & 100.0' HOOK HEIGHT WITH EIGHT - 8' 2" TOWER SECTIONS AND ONE 16.4' BASE CLIMB UNIT TOWER SECTION (ADD 85KW, 150A GENERATOR OR SITE POWER)	109 HP	E		$406,363	68.88	21.44	18.06	12.41	6.59	1,088
	C95LH005	200 HC	HORIZONTAL BOOM, JIB CRANE, 5070# @ 201.4' RADIUS & 162.7' HOOK HEIGHT WITH NINE - 13' 7" TOWER SECTIONS, 11.0 TON MAXIMUM CAP, FREE STANDING (ADD 110KW,225A GENERATOR OR SITE POWER)	148 HP	E		$502,105	86.75	26.50	22.32	15.34	8.95	1,374

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C95			***MORROW EQUIPMENT COMPANY (continued)***										
	C95LH006	200 HC	HORIZONTAL BOOM, JIB CRANE, 5070# @ HOOK 201.4' RADIUS & 146.3' HOOK HEIGHT WITH EIGHT - 13' 7" TOWER SECTIONS AND ONE 13' 7" BASE CLIMB UNIT TOWER SECTION (ADD 110KW,225A GENERATOR OR SITE POWER)	148 HP	E		$573,617	96.42	30.27	25.49	17.52	8.95	1,376
	C95LH011	390 HC	HORIZONTAL BOOM, JIB CRANE, 6615# @ 246.0" RADIUS & 199.1' HOOK HEIGHT WITH NINE - 19' 0" TOWER SECTIONS, 17.6 TON MAXIMUM CAP, FREE STANDING (ADD 170KW,300A GENERATOR OR SITE POWER)	223 HP	E		$939,001	154.38	49.56	41.73	28.69	13.48	2,744
	C95LH012	390 HC	HORIZONTAL BOOM, JIB CRANE, 6615# @ 246' RADIUS & 199.1' HOOK HEIGHT WITH EIGHT - 19' 0" TOWER SECTIONS AND ONE 19' 0" BASE CLIMB UNIT TOWER SECTION (ADD 170KW,300A GENERATOR OR SITE POWER)	223 HP	E		$1,098,818	176.03	57.99	48.84	33.57	13.48	2,820
	C95LH013	550 HC20	HORIZONTAL BOOM, JIB CRANE,7720# @ 265.0' RADIUS & 237.5' HOOK HEIGHT WITH TWELVE - 19' 0" TOWER SECTIONS, 22.0 TON MAXIMUM CAP, FREE STANDING (ADD 170KW,300A GENERATOR OR SITE POWER)	223 HP	E		$1,200,713	189.83	63.37	53.37	36.68	13.48	3,765
	C95LH014	550 HC20	HORIZONTAL BOOM, JIB CRANE,7720# @ 246.0' RADIUS & 251.0' HOOK HEIGHT WITH EIGHT - 26' 3" TOWER SECTIONS, 19' 0" BASE CLIMB UNIT TOWER SECTION (ADD 170KW,300A GENERATOR OR SITE POWER)	223 HP	E		$1,322,085	206.26	69.77	58.76	40.39	13.48	3,608
	C95LH015	550 HC-L	ANGLED 15-84DEG)LUFFING BOOM,TOWER CRANE 1500# @ 197' RADIUS &210.0' HOOK HEIGHT WITH SIX 19' 0" TOWER SECTION, 26.4 TON MAXIMUM CAP, FREE STANDING (ADD 480KW,800A GENERATOR OR SITE POWER)	317 HP	E		$1,600,602	255.34	84.47	71.14	48.90	19.16	5,075
	C95LH016	550 HC-L	ANGLED 15-82DEG)LUFFING BOOM,TOWER CRANE 4630# @ 261' RADIUS & 199.5' HOOK HEIGHT WITH SIX 19' 0" TOWER SECTIONS AND ONE 19' 0" BASE CLIMB UNIT TOWER SECTION (ADD 480KW,800A GENERATOR OR SITE POWER)	317 HP	E		$1,774,276	278.87	93.64	78.86	54.21	19.16	5,090

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C95			***MORROW EQUIPMENT COMPANY (continued)***										
	C95LH021	1800 C	HORIZONTAL BOOM, JIB CRANE,33070# @ 246.0' RADIUS & 302.0' HOOK HEIGHT WITH EIGHT - 32' 10" TOWER SECTIONS, 66.1 TON MAXIMUM CAP, FREE STANDING (ADD 415KW,650A GENERATOR OR SITE POWER)	550 HP	E		$2,079,229	341.36	109.73	92.41	63.52	33.25	7,155
	C95LH022	97K	SELF-ERECTING, HORIZONTAL BOOM,JIB CRANE 3970 # @ 148' RADIUS & 66' HOOK HEIGHT WITH FIVE - 7' 10" TOWER SECTIONS, 13.2 TON MAXIMUM CAP, FREE STANDING (ADD 40KW, 100A GENERATOR OR SITE POWER)	35 HP	E		$346,605	52.56	18.26	15.34	10.59	2.12	1,593
	C95LH023	140K	SELF-ERECTING, HORIZONTAL BOOM,JIB CRANE 3525 # @ 180' RADIUS & 146' HOOK HEIGHT WITH EIGHT - 9' 10" TOWER SECTIONS, 11.0 TON MAXIMUM CAP, FREE STANDING (ADD 60KW, 160A GENERATOR OR SITE POWER)	65 HP	E		$481,634	75.20	25.29	21.15	14.71	3.93	1,836
D10	**DRILLS,AIR/HYDRAULIC,CRWLR MTD,0" THRU 6.5" DIA HOLE**												
	SUBCATEGORY 0.00		**DRILLS,AIR/HYDRAULIC,CRWLR MTD,0" THRU 6.5" DIA HOLE**										
			INGERSOLL-RAND CONSTRUCTION & MINING										
	D10IN004	ECM490/YH70	2.5"-4" HOLE 15' DRIFTER TRAVEL, SELF CONTAINED	185 HP	D-off		$343,987	73.31	20.24	18.43	11.02	8.80	235
	D10IN005	ECM590/YH80A	2.5"-4.5" HOLE 14' DRIFTER TRAVEL, SELF CONTAINED	215 HP	D-off		$395,077	84.34	23.23	21.16	12.65	10.23	245
	D10IN006	ECM690/YH110V	3.5"-5" HOLE 14' DRIFTER TRAVEL, SELF CONTAINED	310 HP	D-off		$396,452	90.75	23.32	21.24	12.70	14.74	395
	D10IN003	ECM350/VL140	2.5"-4" HOLE 12' FEED (ADD COMPRESSOR)	750 CFM	A		$120,786	22.32	7.11	6.47	3.87	0.00	129
	D10IN002	ECM350/VL671	3"-4" HOLE 12' FEED (ADD COMPRESSOR)	900 CFM	A		$134,944	24.89	7.94	7.23	4.32	0.00	131
			REEDDRILL CORPORATION										
	D10RD001	SCH250011	2.5"-3.5" HOLE, HYD DRIFTER, 12' CHANGE, DUST COLLECTOR, TRACK MOUNTED	180 HP	D-off		$239,204	54.29	14.07	12.81	7.66	8.56	200
	D10RD002	SCH3000	2.5"-3.5" HOLE, HYD DRIFTER, 14' CHANGE, DUST COLLECTOR, TRACK MOUNTED	230 HP	D-off		$259,712	61.19	15.28	13.91	8.32	10.94	310

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
D10			***REEDDRILL CORPORATION (continued)***									
	D10RD003	SCH4500	3.5"-5" HOLE, HYD DRIFTER, 20' CHANGE, 100' DEPTH, DUST COLLECTOR, TRACK MTD	285 HP D-off		$414,132	92.28	24.36	22.19	13.26	13.55	370
	D10RD004	SCH5000	3.5"-6.5" HOLE, HYD DRIFTER, 12' CHANGE, 72' DEPTH, DUST COLLECTOR, TRACK MTD	285 HP D-off		$407,219	91.05	23.95	21.82	13.04	13.55	435
	D10RD005	SCH5000CL	3.5"-6.5" HOLE, HYD DRIFTER, 20' CHANGE, 100' DEPTH, DUST COLLECTOR, TRACK MTD	285 HP D-off		$455,938	99.73	26.82	24.43	14.60	13.55	450
	D10RD006	ATD3800S PR55A	3.5" HOLE, 12' CHAIN FEED, AIR TRACK, DUST CONTROL	600 CFM A		$98,806	18.39	5.81	5.29	3.16	0.00	92
	D10RD007	ATD3800T PR55A	4" HOLE, 12' CHAIN FEED, AIR TRACK, TELESCOPIC BOOM, DUST CONTROL	750 CFM A		$109,306	20.33	6.43	5.86	3.50	0.00	124
			SULLIVAN INDUSTRIES, INC.									
	D10SU002	RAM EXT, VCR36	2.5"-4" HOLE,12' FEED (ADD COMPRESSOR)	600 CFM A		$89,576	16.77	5.27	4.80	2.87	0.00	149
	D10SU003	RAM EXT, VCR36	3"-4" HOLE,12' FEED (ADD COMPRESSOR)	850 CFM A		$92,714	17.33	5.46	4.97	2.97	0.00	205
	D10SU005	SCORPION VCR3	5.2" HOLE, 12' FEED (INCUDES COMPRESSR)	260 HP D-off		$164,845	46.23	9.70	8.83	5.28	12.37	265
	D10SU006	SCORPION VCR3	6.5" HOLE, 12' FEED (INCLUDES COMPRESSR)	260 HP D-off		$166,812	46.58	9.81	8.94	5.34	12.37	265
D15	**DRILLS, HORIZONTAL BORING & GROUND PIERCING**											
	SUBCATEGORY 0.00		**DRILLS, HORIZONTAL BORING & GROUND PIERCING**									
			BOR-IT MANUFACTURING COMPANY, INC.									
	D15BI002	20	20" DIA, COMBINATION HEAD, 27' TRACK, 44,000# THRUST, 100' AUGER TRACK	20 HP D-off		$21,191	5.35	1.34	1.32	0.68	0.95	15
	D15BI003	24	24" DIA, COMBINATION HEAD, 30' TRACK, 84,000# THRUST, 100' AUGER TRACK	30 HP D-off		$33,192	8.32	2.11	2.07	1.07	1.43	38
	D15BI004	30	30" DIA, COMBINATION HEAD, 30' TRACK, 170,000# THRUST, 100' AUGER TRACK	45 HP D-off		$46,375	11.82	2.95	2.90	1.50	2.14	70
	D15BI005	36	36" DIA, COMBINATION HEAD, 30' TRACK, 225,000# THRUST, 100' AUGER TRACK	68 HP D-off		$70,537	17.95	4.49	4.41	2.28	3.23	90
	D15BI006	48	48" DIA, COMBINATION HEAD, 32' TRACK, 525,000# THRUST, 100' AUGER TRACK	110 HP D-off		$110,730	28.38	7.03	6.92	3.57	5.23	170
	D15BI008	54	54" DIA, COMBINATION HEAD, 32' TRACK, 700,000# THRUST, 100' AUGER TRACK	171 HP D-off		$135,888	37.16	8.63	8.49	4.38	8.13	250

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
D15			***BOR-IT MANUFACTURING COMPANY, INC. (continued)***										
	D15BI007	60	60" DIA, COMBINATION HEAD, 32' TRACK, 1,100,000# THRUST, 100' AUGER TRACK	171 HP	D-off		$161,896	42.15	10.28	10.12	5.22	8.13	250
			UNDERGROUND EQUIPMENT & SUPPLY										
	D15UE001	500-RTW	1"-6" DIA, HORIZ EARTH BORING MACHINE	6 HP	G		$4,480	2.03	0.28	0.28	0.14	0.83	2
D20	**DRILLS, CORE, COLUMN MOUNTED**												
	SUBCATEGORY 0.00		**DRILLS, CORE, COLUMN MOUNTED**										
			ACKER DIVISION, CHRISTENSEN-BOYLES										
	D20AD005	630-E	4" DIA MAX CORE HOLE	2 HP	E		$4,178	1.40	0.30	0.31	0.14	0.15	1
	D20AD002	930-E	10" DIA MAX CORE HOLE	2 HP	E		$4,256	1.42	0.30	0.32	0.14	0.15	2
	D20AD006	1040-E	10" DIA MAX CORE HOLE	4 HP	E		$6,909	2.37	0.48	0.52	0.22	0.30	1
	D20AD007	1200-G	12" DIA MAX CORE HOLE	8 HP	E		$11,414	4.24	0.80	0.86	0.37	0.60	3
			CUSHION CUT										
	D20CQ001	HCD24/12	CORE DRILL WITH STAND, 9"-36" BIT DIA	42 HP	G		$26,834	14.35	1.88	2.01	0.87	5.81	11
			CUSHION CUT DIVISION, BOART LONGYEAR										
	D20LY001	752	DRILL, WITH E4-230/110 MOTOR (110V)	3 HP	E		$6,160	2.19	0.43	0.46	0.20	0.22	2
	D20LY002	42N	DRILL, WITH A4-350 MOTOR (ADD COMPR)	185 CFM	A		$6,380	1.99	0.45	0.48	0.21	0.00	3
D25	**DRILLS, CORE, SKID MOUNTED**												
	SUBCATEGORY 0.00		**DRILLS, CORE, SKID MOUNTED**										
			ACKER DIVISION, CHRISTENSEN-BOYLES										
	D25AD003	BUSH MASTER	NX, 1500' MAX DRILL DEPTH	69 HP	D-off		$74,811	19.48	4.75	4.68	2.41	3.28	45
	D25AD004	ACEW	725' MAX DRILL DEPTH	28 HP	D-off		$59,672	13.85	3.80	3.73	1.93	1.33	35

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
			E-Z DRILL, INC.									
	D25EZ002	210 B	HORIZONTAL DOWELLING ASSEMBLY W/MOBILE ASSEMBLY, 18" MAX DEPTH (ADD 100 CFM COMPRESSOR. 18-25 PSI)			$6,944	1.91	0.43	0.41	0.22	0.00	3
	D25EZ003	210 SRA	HORIZONTAL DOWELLING ASSEMBLY 18" MAX DEPTH (ADD 100 CFM COMPRESSOR. 5-9 PSI)			$7,402	2.01	0.47	0.45	0.24	0.00	3
	D25EZ001	210 SR HORIZON	HORIZONTAL DOWELLING ASSEMBLY WITH DRILL DEPTH MAXIMUM 18" (ADD 100 CFM COMPRESSOR, 18-25 PSI)			$8,116	2.15	0.52	0.51	0.26	0.00	3
	D25EZ005	210-3 SRA	DOWELING MACHINE, SELF-PROPELLED, WITH LIFT AND TRAVEL ASSEMBLY, DRILL DEPTH 18" MAX (ADD 100 CFM COMPRESSOR. 18-25 PSI)			$27,572	6.85	1.74	1.69	0.89	0.00	12
D30	**DRILLS, EARTH / AUGER**											
	SUBCATEGORY 0.00		**DRILLS, EARTH / AUGER**									
			HYDRAULIC POWER SYSTEMS, INC.									
	D30HD001	H-15	HYDRAULIC AUGER, W/60' 8" X 21" LEADS, 15,000 FT-LBS TORQUE (ADD CRANE)	210 HP D-off		$97,453	35.37	6.19	6.09	3.14	9.99	146
	D30HD002	H-35VT	HYDRAULIC AUGER, W/60' 8" X 27" LEADS, 33,000 FT-LBS TORQUE (ADD CRANE)	270 HP D-off		$146,110	50.12	9.28	9.13	4.71	12.84	200
	D30HD003	H-50VT	HYDRAULIC AUGER W/60' 8" X 33" LEADS, 50,000 FT-LBS TORQUE (ADD CRANE)	335 HP D-off		$190,067	64.25	12.07	11.88	6.13	15.93	269
			MOBILE DRILLING COMPANY, INC.									
	D30MR001	MINUTEMAN	DRILL W/AUGER KIT, 3" DIA, 30' DEPTH, 350 FT-LBS TORQUE, PORTABLE	8 HP G		$7,036	3.00	0.45	0.44	0.23	1.11	4
	D30MR003	B-31	HYDRAULIC AUGER, 14" DIA, 30' DEPTH, 3,500 FT-LBS TORQUE, TRAILER MOUNTED	95 HP G		$33,547	25.40	2.12	2.07	1.08	13.15	42
	D30MR005	B-53	MULTI-PURPOSE, 6" DIA, 25' DEPTH, 5,955 FT-LBS TORQUE, WITH 21,000 GVW TRUCK (WITH PTO DRIVE)	164 HP G		$73,140	47.04	4.61	4.50	2.36	22.70	120
	D30MR006	B-57	MULTI-PURPOSE, 8" DIA, 250' DEPTH, 7,000 FT-LBS TORQUE W/ 21,000 GVW TRUCK	120 HP G	164 HP G	$80,545	43.95	5.08	4.96	2.60	19.45	130

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER		VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
D30			***MOBILE DRILLING COMPANY, INC. (continued)***											
	D30MR007	B-61HDX	MULTI-PURPOSE, 8" DIA, 375' DEPTH, 8,900 FT-LBS TORQUE W/ 44,300 GVW TRUCK	126 HP	G	216 HP	G	$136,394	57.73	8.63	8.45	4.40	21.18	205
			REEDDRILL CORPORATION											
	D30RD001	TEXOMA 270	4.5' MAX HOLE DIA, 20' DEPTH, (ADD 24,000 GVW TRUCK)	86 HP	G			$116,156	40.38	7.38	7.26	3.75	11.90	120
	D30RD004	HDE ECONOMATI	4' MAX HOLE DIA, 25' DEPTH, (ADD 40-44,000 GVW TRUCK)	135 HP	G			$123,940	51.56	7.88	7.75	4.00	18.68	140
	D30RD002	TEXOMA 330	6' MAX HOLE DIA, 25' DEPTH, (ADD 44-48,000 GVW TRUCK)	135 HP	G			$129,829	52.74	8.25	8.11	4.19	18.68	170
	D30RD003	TEXOMA 500	6' MAX HOLE DIA, 35' DEPTH, (ADD 48-50,000 GVW TRUCK)	135 HP	G			$142,658	55.35	9.06	8.92	4.60	18.68	230
	D30RD005	TEXOMA 800	8' MAX HOLE DIA, 90' DEPTH, (ADD 60,000 GVW TRUCK)	160 HP	D-off			$343,432	80.03	21.81	21.46	11.08	7.61	440
	D30RD007	TEXOMA 700	6' MAX HOLE DIA, 60' DEPTH, CRAWLER MOUNTED	130 HP	D-off			$334,368	76.25	21.24	20.90	10.79	6.18	600
	D30RD006	TEXOMA 800 T	8' MAX HOLE DIA, 90' DEPTH, CRAWLER MOUNTED	160 HP	D-off			$400,698	91.65	25.45	25.04	12.93	7.61	680
	D30RD008	TEXOMA 900	8' MAX HOLE DIA, 120' DEPTH, CRAWLER MOUNTED	210 HP	D-off			$502,590	115.56	31.93	31.41	16.22	9.99	880
	D30RD009	TEXOMA TAURU	10' MAX HOLE DIA, 120' DEPTH, CRAWLER MOUNTED	250 HP	D-off			$659,294	149.94	41.88	41.21	21.27	11.89	1,330
	D30RD010	CM-100	8' MAX HOLE DIA, (ADD 100 TON LIFT CRANE MIN)	180 HP	D-off			$160,456	44.21	10.20	10.03	5.18	8.56	125
D35	**DRILLS, ROTARY BLASTHOLE**													
	SUBCATEGORY 0.11		**DIESEL, 4.5" THRU 9.875" DIAMETER HOLE**											
			INGERSOLL-RAND CONSTRUCTION & MINING											
	D35IN002	T4-BH/HD	7.875" DRILLMASTER, TRUCK MOUNTED	525 HP	D-off	260 HP	D-on	$477,371	127.64	28.28	27.05	14.75	27.15	550
	D35IN007	DM30/HP	5.125"-6.75" , 30,000 LB PULL-DOWN HIGH PRESSURE	450 HP	D-off			$471,972	117.19	28.07	26.97	14.58	21.40	620
	D35IN008	DM45/LP	5.125"-7.875" , 45,000 LB PULL-DOWN LOW PRESSURE	450 HP	D-off			$500,934	122.43	29.79	28.62	15.48	21.40	720

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
D35			***INGERSOLL-RAND CONSTRUCTION & MINING (continued)***									
	D35IN009	DM45/HP	5.125"-7.875" , 45,000 LB PULL-DOWN HIGH PRESSURE	600 HP D-off		$565,270	144.70	33.61	32.30	17.46	28.54	780
	D35IN010	DM-L/LP	6"-9.875" , 45,000 LB BIT LOADING LOW PRESSURE	525 HP D-off		$615,627	148.47	36.61	35.18	19.02	24.97	900
	D35IN011	DM-L/HP	6"-9.875" , 60,000 LB BIT LOADING HIGH PRESSURE	600 HP D-off		$647,705	159.60	38.52	37.01	20.01	28.54	980
			REEDDRILL CORPORATION									
	D35RD001	SK5AD	4"-7" HOLE, 148' DEPTH, TRUCK MTD, ROTARY BLASTHOLE	400 HP D-off	350 HP D-off	$345,212	94.39	20.54	19.73	10.67	21.46	525
	D35RD003	SK35I	5"-9" HOLE, 150' DEPTH, TRUCK MTD, ROTARY BLASTHOLE	335 HP D-off	270 HP D-off	$382,387	95.65	22.74	21.85	11.81	17.81	590
	D35RD002	SK25I	5"-6.75" HOLE, 75' DEPTH, CRWLR MTD, ROTARY BLASTHOLE	250 HP D-off	228 HP D-off	$320,812	78.06	19.08	18.33	9.91	13.48	420
	D35RD004	INFINITY SK40I	5"-8" HOLE, 173' DEPTH, CRWLR MTD, ROTARY BLASTHOLE	430 HP D-off	400 HP D-off	$475,920	120.64	28.30	27.20	14.70	23.23	880
	D35RD006	INFINITY SK50I	7"-9.875" HOLE, 178' DEPTH, CRWLR MTD, ROTARY BLASTHOLE	430 HP D-off		$501,906	121.19	29.85	28.68	15.51	20.45	900
	D35RD008	INFINITY SK60I	7.5"-10.5" HOLE, 210' DEPTH, CWRLR MTD, ROTARY BLASTHOLE	525 HP D-off		$580,493	142.12	34.52	33.17	17.93	24.97	1,110
	D35RD005	INFINITY SK45I	6"-9" HOLE, 178' DEPTH, LIGHT PRESSURE, CWRLR MTD, BLASTHOLE	525 HP D-off		$519,990	131.18	30.92	29.71	16.06	24.97	900
	D35RD007	INFINITY SK50I	6.5"-9" HOLE, 178' DEPTH, HIGH PRESSURE, CWRLR MTD, ROTARY BLASTHOLE	750 HP D-off		$553,533	153.21	32.92	31.63	17.10	35.67	910
	SUBCATEGORY 0.12		**DIESEL, OVER 9.875" DIAMETER**									
			INGERSOLL-RAND CONSTRUCTION & MINING									
	D35IN004	T2W	6"-24", WATER WELL DRILL, TRUCK MOUNTED 30,000 LB PULL BACK	410 HP D-off		$418,081	89.82	21.99	18.44	12.77	19.50	446
	D35IN005	T3W	6"-18", WATER WELL DRILL, TRUCK MOUNTED 50,000 LB PULL BACK	465 HP D-off		$495,495	104.91	26.08	21.88	15.14	22.12	600
	D35IN003	TH-60	16" WATER WELL DRILL, TRUCK MOUNTED	475 HP D-off		$472,689	102.08	24.89	20.89	14.44	22.59	460
	D35IN006	T4W	6"-20", WATER WELL DRILL, TRUCK MOUNTED 70,000 LB PULL BACK	600 HP D-off		$592,268	128.21	31.18	26.18	18.09	28.54	680

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
			REEDDRILL CORPORATION										
	D35RD009	INFINITY SK75I	9"-12" HOLE, 175' DEPTH,	750 HP	D-off		$781,001	165.28	41.22	34.71	23.86	35.67	1,200
F10	**FORK LIFTS**												
	SUBCATEGORY 0.00		**FORK LIFTS**										
			CATERPILLAR, INC.										
	F10CA039	TH-62	3000# @ 25' HIGH, TELESCOPING MAST, 4X4	105 HP	D-off		$76,406	21.62	5.36	5.90	2.41	4.02	178
	F10CA040	TH-63	6000# @ 41' HIGH, TELESCOPING MAST, 4X4	105 HP	D-off		$103,378	27.23	7.28	8.06	3.25	4.02	264
	F10CA042	TH-83	8000# @ 41' HIGH, TELESCOPING MAST, 4X4	105 HP	D-off		$114,326	29.40	8.09	8.98	3.60	4.02	278
	F10CA043	TH-103	10000# @ 44' HIGH, TELESCOPING MAST, 4X4	105 HP	D-off		$121,645	31.17	8.56	9.46	3.83	4.02	348
			JCB										
	F10JC001	930	6000#, ROUGH TERRAIN, 4X4, 264" MAST-HT	75 HP	D-off		$58,023	16.06	4.05	4.43	1.83	2.87	148
	F10JC002	940	8000#, ROUGH TERRAIN, 4X4, 264" MAST-HT	75 HP	D-off		$66,544	17.85	4.65	5.11	2.09	2.87	162
			DEERE & COMPANY										
	F10JD001	485E	5000# @ 21' HIGH, STRAIGHT MAST, 4X2	73 HP	D-off		$52,540	14.71	3.65	4.00	1.65	2.79	132
	F10JD002	486E	6000# @ 21' HIGH, STRAIGHT MAST, 4X2	73 HP	D-off		$53,107	14.83	3.69	4.04	1.67	2.79	134
	F10JD003	488E	8000# @ 21' HIGH, STRAIGHT MAST, 4X2	73 HP	D-off		$56,530	15.55	3.94	4.32	1.78	2.79	156
G10	**GENERATOR SETS**												
	SUBCATEGORY 0.10		**PORTABLE**										
			HOMELITE COMPANY, SUBSIDIARY OF DEERE & COMPANY										
	G10HO005	LR2500	2.5 KW, 120/240V	5 HP	G		$660	0.88	0.06	0.07	0.02	0.56	1
	G10HO006	LR4400	4.4 KW, 120/240V	8 HP	G		$813	1.37	0.07	0.09	0.02	0.90	2

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
G10			***HOMELITE COMPANY, SUBSIDIARY OF DEERE & COMPANY (continued)***										
	G10HO007	LR5500	5.5 KW, 120/240V	11 HP	G		$986	1.85	0.09	0.11	0.03	1.24	2
			ONAN CORPORATION										
	G10ON001	2.5EGH-AA/28018	2.5 KW, 120/240V	6 HP	G		$1,329	1.20	0.12	0.15	0.04	0.67	1
	G10ON002	4.0EGH-AB/38018	4.0 KW, 120/240V	9 HP	G		$1,798	1.74	0.15	0.20	0.05	1.01	1
	G10ON003	5.0EGH-AB/3801	5.0 KW, 120/240V	14 HP	G		$2,218	2.59	0.20	0.25	0.07	1.57	2
			WACKER CORPORATION										
	G10WC001	G 3.7A	3.7 KW, 120/240V, PORTABLE	8 HP	G		$2,168	1.69	0.18	0.24	0.06	0.90	2
	G10WC002	G 5.6A	5.6 KW, 120/240V, PORTABLE	11 HP	G		$2,766	2.27	0.24	0.31	0.08	1.24	2
	G10WC003	GS 8.5A	8.5KW,120/240V, PORTABLE, ELECTRIC START	16 HP	G		$3,987	3.31	0.35	0.45	0.12	1.80	2
	G10WC004	GS 9.7A	9.7KW,120/240V, PORTABLE, ELECTRIC START	18 HP	G		$4,504	3.72	0.39	0.51	0.13	2.02	2
	SUBCATEGORY 0.20		**SKID MOUNTED**										
			CATERPILLAR, INC.										
	G10CA020	3304 PKG - P 304	113 EKW, 240/480V, 60 HZ, PGS PRIME SKID	174 HP	D-off		$25,010	13.92	1.86	2.25	0.73	6.66	37
	G10CA012	3306 PKG - 306D	210 EKW, 240V, 60 HZ, PGS PRIME SKID MTD	314 HP	D-off		$31,841	22.36	2.37	2.87	0.93	12.02	52
	G10CA013	3406 PKG - 306D	275 EKW, 480V, 60 HZ PGS PRIME SKID	405 HP	D-off		$40,433	28.70	3.00	3.64	1.18	15.50	68
	G10CA014	3406 PKG - 406D	365 EKW, 240/480V, 60 HZ PGS PRIME SKID	536 HP	D-off		$52,453	37.79	3.90	4.72	1.54	20.52	72
	G10CA015	3412 PKG - 412D	455 EKW, 240/480V, 60 HZ PGS PRIME SKID	687 HP	D-off		$72,260	49.47	5.37	6.50	2.12	26.30	93
	G10CA016	3412 PKG - 412D	545 EKW, 240/480V, 60 HZ PGS PRIME SKID	817 HP	D-off		$89,590	59.58	6.65	8.06	2.62	31.27	100
	G10CA017	3508 PKG - 508D	725 EKW, 480V, 60 HZ PGS PRIME SKID MTD	1,089 HP	D-off		$140,872	83.88	10.46	12.68	4.12	41.69	181
	G10CA018	3512 PKG - 512D	1000 EKW, 480V, 60 HZ PGS PRIME SKID MTD	1,443 HP	D-off		$178,943	109.54	13.29	16.10	5.24	55.24	236
	G10CA019	3516 PKG - 516D	1600 EKW, 480V, 60 HZ PGS PRIME SKID MTD	2,304 HP	D-off		$299,129	177.69	22.22	26.92	8.76	88.20	291

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			ONAN CORPORATION										
	G10ON009	6.0HDKAS/11477	6 KW, RECONNECTIBLE	12 HP	D-off		$7,689	2.20	0.58	0.69	0.23	0.46	5
	G10ON005	6.5NAD-FB/1	10.3 KW, 120/240V	14 HP	G		$4,554	3.00	0.34	0.41	0.13	1.57	2
	G10ON006	7.0GNAA	7 KW, 120/240V	15 HP	G		$7,968	3.86	0.59	0.72	0.23	1.69	7
	G10ON007	7.5DHDKAL/H475	7.5 KW, 120/240V	13 HP	D-off		$7,862	2.30	0.59	0.71	0.23	0.50	5
	G10ON010	11.5DNAD	11.5 KW, 120/240V	21 HP	D-off		$9,007	2.92	0.67	0.81	0.26	0.80	7
	G10ON011	15DKAC	15 KW, DUAL PHASE	24 HP	D-off		$12,262	3.75	0.91	1.10	0.36	0.92	12
	G10ON012	20DKAE	20 KW, RECONNECTIBLE	33 HP	D-off		$12,702	4.28	0.94	1.14	0.37	1.26	12
	G10ON013	35DGBB	35 KW, RECONNECTIBLE	68 HP	D-off		$14,207	6.37	1.06	1.28	0.42	2.60	17
	G10ON014	40.0DGBC	40 KW, RECONNECTIBLE	68 HP	D-off		$15,005	6.53	1.12	1.35	0.44	2.60	17
	G10ON015	50.0DGCA	50 KW, RECONNECTIBLE	86 HP	D-off		$16,597	7.76	1.24	1.49	0.49	3.29	17
	G10ON016	60.0DGCB	60 KW, RECONNECTIBLE	102 HP	D-off		$17,877	8.82	1.33	1.61	0.52	3.90	17
	G10ON017	80.0DGDA	80 KW, RECONNECTIBLE	135 HP	D-off		$20,294	10.98	1.51	1.83	0.59	5.17	27
	G10ON018	100.0DGDB	100 KW, RECONNECTIBLE	166 HP	D-off		$23,358	13.16	1.73	2.10	0.68	6.35	27
	G10ON019	125.0DGEA	125 KW, RECONNECTIBLE	207 HP	D-off		$26,387	15.85	1.96	2.37	0.77	7.92	34
	G10ON020	150.0DGFA	150 KW, RECONNECTIBLE	277 HP	D-off		$30,714	20.27	2.28	2.76	0.90	10.60	34
G15	**GRADERS, MOTOR**												
	SUBCATEGORY 0.00		**GRADERS, MOTOR**										
			CATERPILLAR, INC.										
	G15CA001	120-H	ARTICULATED FRAME, POWERSHIFT NA VERSION 12' BLADE W/ 17 TEETH SCARIFIERS, 6X4	125 HP	D-off		$189,766	34.32	10.74	9.35	6.06	4.50	303
	G15CA007	135-H	ARTICULATED FRAME, POWERSHIFT NA VERSION 12' BLADE W/ 17 TEETH SCARIFIERS, 6X4	135 HP	D-off		$201,345	36.48	11.40	9.93	6.43	4.85	311
	G15CA003	12-H	ARTICULATED FRAME, POWERSHIFT NA VERSION 12' BLADE W/ 17 TEETH SCARIFIERS, 6X4	140 HP	D-off		$223,406	39.90	12.65	11.03	7.13	5.03	349
	G15CA004	140-H	ARTICULATED FRAME, POWERSHIFT NA VERSION 12' BLADE W/ 5 RIPPER / SCARIFIERS, 6X4	165 HP	D-off		$237,438	43.28	13.44	11.72	7.58	5.93	353
	G15CA008	143-H	ARTICULATED FRAME, AWD, NA VERSION 12' BLADE W/ 5 RIPPER / SCARIFIERS, 6X6	185 HP	D-off		$272,900	49.46	15.46	13.49	8.71	6.65	349

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
G15			***CATERPILLAR, INC. (continued)***									
	G15CA009	160-H	ARTICULATED FRAME, POWERSHIFT NA VERSION 14' BLADE W/ 5 RIPPER/SCARIFIERS, 6X4	185 HP D-off		$255,605	46.94	14.47	12.62	8.16	6.65	380
	G15CA010	163-H	ARTICULATED FRAME, AWD, NA VERSION 14' BLADE W/ 5 RIPPER/SCARIFIERS, 6X6	200 HP D-off		$295,259	53.48	16.73	14.60	9.43	7.19	404
	G15CA005	14-H	ARTICULATED FRAME, POWERSHIFT STANDARD VERSION, 14' BLADE W/ 7 SHANK RIPPER,6X4	215 HP D-off		$325,729	59.50	18.36	15.91	10.40	7.73	445
	G15CA006	16-H	ARTICULATED FRAME, POWERSHIFT STANDARD VERSION, 16' BLADE W/ 7 SHANK RIPPER,6X4	275 HP D-off		$468,067	84.83	26.31	22.73	14.94	9.89	586
			DEERE & COMPANY									
	G15JD008	670CH	ARTICULATED FRAME, POWERSHIFT, 6X4, 12 BLADE, W/5 RIPPER/ 5 SCARIFIER(FRONT)	151 HP D-off		$204,511	38.50	11.49	9.91	6.53	5.43	343
	G15JD009	672CH	ARTICULATED FRAME, POWERSHIFT, 6X6, 12 BLADE, W/5 RIPPER/ 5 SCARIFIER(FRONT)	156 HP D-off		$231,974	42.85	13.06	11.29	7.41	5.61	353
	G15JD010	770CH	ARTICULATED FRAME, POWERSHIFT, 6X4, 12 BLADE, W/5 RIPPER/ 5 SCARIFIER(FRONT)	185 HP D-off		$234,496	44.55	13.20	11.41	7.49	6.65	353
	G15JD011	772CH	ARTICULATED FRAME, POWERSHIFT, 6X6, 12 BLADE, W/5 RIPPER/ 5 SCARIFIER(FRONT)	205 HP D-off		$265,223	50.14	14.95	12.95	8.47	7.37	363
			KOMATSU DRESSER COMPANY									
	G15KM006	GD 530A-1	ARTICULATED FRAME, POWERSHIFT STANDARD 13' BLADE W/ 11 RIPPER / SCARIFIERS, 6X6	144 HP D-off		$235,293	42.69	13.24	11.45	7.51	5.18	303
	G15KM007	GD 650A-1	ARTICULATED FRAME, POWERSHIFT STANDARD 13' BLADE W/ 11 RIPPER / SCARIFIERS, 6X4	166 HP D-off		$214,792	40.92	12.06	10.39	6.86	5.97	328
	G15KM008	GD 670A-2CY	ARTICULATED FRAME, POWERSHIFT STANDARD VERSION, 14' BLADE W/ 7 SHANK RIPPER,6X6	204 HP D-off		$274,255	51.58	15.44	13.36	8.76	7.34	346
	G15KM009	GD 750A-1	ARTICULATED FRAME, POWERSHIFT STANDARD VERSION, 16' BLADE W/ 7 SHANK RIPPER,6X4	245 HP D-off		$350,271	64.56	19.75	17.13	11.18	8.81	409

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
H10	**HAMMERS, HYDRAULIC (DEMOLITION TOOL)**											
	SUBCATEGORY 0.00		**HAMMERS, HYDRAULIC (DEMOLITION TOOL)**									
			NPK CONSTRUCTION EQUIPMENT									
	H10NP001	H-06X	HAMMER, IMPACT ENERGY, 150 FT-LBS WITH H-06X DEMOLITION TOOL (ADD 150-250 HP HYD EXCAVATOR)			$6,138	2.84	0.61	0.82	0.20	0.00	2
	H10NP002	H-08X	HAMMER, IMPACT ENERGY, 200 FT-LBS WITH H-08X DEMOLITION TOOL (ADD 60-75 HP HYD EXCAVATOR)			$6,788	3.09	0.68	0.91	0.22	0.00	2
	H10NP003	H-1XA	HAMMER, IMPACT ENERGY, 300 FT-LBS WITH H-1AX DEMOLITION TOOL (ADD 60-75 HP HYD EXCAVATOR)			$7,927	3.77	0.79	1.06	0.26	0.00	4
	H10NP004	H-2XA	HAMMER, IMPACT ENERGY, 500 FT-LBS WITH H-2AX DEMOLITION TOOL (ADD 60-75 HP HYD EXCAVATOR)			$11,027	4.95	1.10	1.47	0.36	0.00	6
	H10NP005	H-3XA	HAMMER, IMPACT ENERGY, 750 FT-LBS WITH H-3AX DEMOLITION TOOL (ADD 75-100 HP HYD EXCAVATOR)			$15,642	6.96	1.56	2.09	0.51	0.00	9
	H10NP006	H-4XE	HAMMER, IMPACT ENERGY 1,000 FT-LBS WITH H-4XE DEMOLITION TOOL (ADD 95-125 HP HYD EXCAVATOR)			$21,649	9.25	2.16	2.89	0.71	0.00	12
	H10NP007	H-6XA	HAMMER, IMPACT ENERGY 1,250 FT-LBS WITH H-6XA DEMOLITION TOOL (ADD 95-125 HP HYD EXCAVATOR)			$28,042	11.69	2.79	3.74	0.92	0.00	15
	H10NP008	H-7X	HAMMER, IMPACT ENERGY, 1500 FT-LBS WITH H-7X DEMOLITION TOOL (ADD 95-125 HP HYD EXCAVATOR)			$31,991	13.45	3.19	4.27	1.05	0.00	18
	H10NP009	H-8XA	HAMMER, IMPACT ENERGY, 2,000 FT-LBS WITH H-8AX DEMOLITION TOOL (ADD 95-125 HP HYD EXCAVATOR)			$39,951	16.48	3.98	5.33	1.31	0.00	24
	H10NP010	H-10XB	HAMMER, IMPACT ENERGY, 3000 FT-LBS WITH H-10XB DEMOLITION TOOL (ADD 95-125 HP HYD EXCAVATOR)			$49,020	20.19	4.88	6.54	1.61	0.00	35
	H10NP011	H-12X	HAMMER, IMPACT ENERGY, 4,000 FT-LBS WITH H-12X DEMOLITION TOOL (ADD 125 HP HYD EXCAVATOR)			$58,395	24.26	5.82	7.79	1.92	0.00	46

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
H10			***NPK CONSTRUCTION EQUIPMENT (continued)***										
	H10NP012	H-16X	HAMMER, IMPACT ENERGY, 5,000 FT-LBS WITH H-16X DEMOLITION TOOL (ADD 150-250 HP HYD EXCAVATOR)				$69,336	28.92	6.89	9.24	2.27	0.00	59
	H10NP013	H-20X	HAMMER, IMPACT ENERGY, 6000 FT-LBS WITH H-20X DEMOLITION TOOL (ADD 245-425 HP HYD EXCAVATOR)				$94,743	39.11	9.43	12.63	3.11	0.00	69
	H10NP014	H-30X	HAMMER, IMPACT ENERGY, 10,000 FT-LBS WITH H-30X DEMOLITION TOOL (ADD 350-525 HP HYD EXCAVATOR)				$132,371	53.95	13.17	17.65	4.34	0.00	110
H13	**HAZARDOUS/TOXIC WASTE EQUIPMENT**												
	SUBCATEGORY 0.11		**COMPACTORS (COMPRESSION FORCE) 0 THRU 50 TONS**										
			CONSOLIDATED BAILING MACHINE COMPANY, INC.										
	H13CB001	DOS RAW WI	12.5 TON LL RAD WASTE COMPACTOR, 55 GALLON BARREL CAPACITY	5 HP	E		$20,628	5.25	1.51	1.75	0.63	0.30	25
	H13CB002	DOS RAW W2	20 TON LL RAD WASTE COMPACTOR, 55 GALLON BARREL CAPACITY	10 HP	E		$22,574	6.18	1.65	1.92	0.69	0.60	25
			COMPACTING TECHNOLOGIES INTERNATIONAL										
	H13CO002	8040	37 TON HAZARD WASTE IN-DRUM COMPACTOR, EXPLOSION PROOF	5 HP	E		$10,609	3.05	0.77	0.90	0.32	0.30	167
			PIQUA ENGINEERING										
	H13PI001	36LKDC	30 TON DRUM CRUSHER, MOBILE	18 HP	G		$11,107	5.09	0.79	0.89	0.34	2.02	19
	H13PI002	36LRDC	30 TON DRUM CRUSHER, MOBILE	8 HP	E		$11,500	3.26	0.81	0.92	0.35	0.45	19
	H13PI003	DC3036	30 TON DRUM CRUSHER	15 HP	E		$12,110	4.15	0.89	1.03	0.37	0.91	30
	SUBCATEGORY 0.12		**COMPACTORS (COMPRESSION FORCE) OVER 50 TONS**										
			CGR COMPACTING										
	H13CF001	6-50-400	250 TON COMPACTOR CASK TYPE, CONTAINER: 57.5" x 33.5" x 47"	50 HP	E		$287,886	60.97	18.56	19.19	8.96	3.02	220

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
H13			*CGR COMPACTING (continued)*										
	H13CF002	6-90-200	250 TON COMPACTOR CASK TYPE, CONTAINER: 72" x 46" x 47"	50 HP	E		$316,902	66.63	20.44	21.13	9.87	3.02	280
	H13CF003	6-90-300	375 TON COMPACTOR CASK TYPE, CONTAINER: 72" x 46" x 47"	50 HP	E		$373,666	77.67	24.10	24.91	11.64	3.02	320
			COMPACTING TECHNOLOGIES INTERNATIONAL										
	H13CO003	8550	85 TON HAZARD WASTE IN-DRUM COMPACTOR	3 HP	E		$20,635	4.57	1.33	1.38	0.64	0.18	270
	H13CO004	8560-C	85 TON HAZARD WASTE IN- DRUM COMPACTOR, WITH HEPA FILTER	3 HP	E		$37,325	8.06	2.41	2.49	1.16	0.18	290
	H13CO006	8560-R	85 TON HAZARD WASTE IN- DRUM COMPACTOR, WITH HEPA FILTER & SS PLATEN & CHAMBER	3 HP	E		$43,652	9.14	2.82	2.91	1.36	0.18	300
	H13CO005	8560-EXL	85 TON HAZARD WASTE IN- DRUM COMPACTOR, EXPLOSION PROOF, W/LIQUID REMOVAL SYSTEM	3 HP	E		$57,999	12.09	3.75	3.87	1.81	0.18	310
	SUBCATEGORY 0.21		**FILTER PRESSES, STATIONARY**										
			AVERY FILTER COMPANY										
	H13AY015	L/S 1200/25	25 CF MEMBRANE FILTER PRESS, 1000 MM SQ	50 CFM	A		$52,555	11.95	3.75	4.20	1.65	0.00	112
	H13AY016	K/F 1200/25	25 CF CONVENTIONAL FILTER PRESS, 1000 MM SQ	50 CFM	A		$34,309	7.80	2.45	2.74	1.08	0.00	108
	H13AY013	L/S 1200/50	50 CF MEMBRANE FILTER PRESS, 1200 MM SQ	50 CFM	A		$89,087	20.27	6.37	7.13	2.80	0.00	173
	H13AY014	K/F 1200/50	50 CF CONVENTIONAL FILTER PRESS, 1200 MM SQ	50 CFM	A		$48,384	11.01	3.46	3.87	1.52	0.00	168
	H13AY011	L/S 1200/75	75 CF MEMBRANE FILTER PRESS, 1200 MM SQ	50 CFM	A		$110,894	25.23	7.93	8.87	3.49	0.00	194
	H13AY012	K/F 1200/75	75 CF CONVENTIONAL FILTER PRESS, 1200 MM SQ	50 CFM	A		$57,349	13.06	4.11	4.59	1.81	0.00	188
	H13AY009	L/S 1200/100	100 CF MEMBRANE FILTER PRESS, 1200 MM SQ	50 CFM	A		$132,366	30.13	9.47	10.59	4.17	0.00	199
	H13AY010	K/F 1200/100	100 CF CONVENTIONAL FILTER PRESS, 1200 MM SQ	50 CFM	A		$68,096	15.50	4.87	5.45	2.14	0.00	191
	H13AY007	L/S 1200/125	125 CF MEMBRANE FILTER PRESS, 1200 MM SQ	50 CFM	A		$148,747	33.85	10.63	11.90	4.68	0.00	216

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

	REGION 9			ENGINE HORSEPOWER FUEL TYPE			VALUE (TEV)	TOTAL HOURLY RATES ($/HR)		ADJUSTABLE ELEMENTS			
CAT	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN		CARRIER	1998 ($)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
H13			***AVERY FILTER COMPANY (continued)***										
	H13AY008	K/F 1200/125	125 CF CONVENTIONAL FILTER PRESS, 1200 MM SQ	50 CFM	A		$73,772	16.78	5.27	5.90	2.32	0.00	207
	H13AY017	L/S 1200/150	150 CF MEMBRANE FILTER PRESS, 1200 MM SQ	50 CFM	A		$164,661	37.47	11.77	13.17	5.18	0.00	235
	H13AY018	K/F 1200/150	150 CF CONVENTIONAL FILTER PRESS, 1200 MM SQ	50 CFM	A		$84,811	19.30	6.06	6.78	2.67	0.00	224
	H13AY019		FILTER PRESS PLATE SHIFTING UNIT, 1200 MM SQ, MECHANIZED	1 HP	E		$10,735	2.80	0.77	0.86	0.34	0.06	5
	H13AY020	SLC-500	PLC CONTROL PANEL - PLATE SHIFTING, COMPUTER AUTOMATED	1 HP	E		$13,877	3.51	1.00	1.11	0.44	0.06	2
			HYDROCAL										
	H13HR001	Model 1.0	1 METER, SS SLUDGE THICK/BELT PRESS COMBINATION	1 HP	E		$53,680	12.51	3.84	4.29	1.69	0.03	20
	H13HR002	Model 1.5	1.5 METER, SS SLUDGE THICK/BELT PRESS COMBINATION	2 HP	E		$59,111	13.75	4.23	4.73	1.86	0.09	25
			PERRIN, INC.										
	H13PR001	100S-800	25 CF STANDARD FILTER PRESS, 800MM X 800MM	3 HP	E		$83,390	19.28	5.97	6.67	2.63	0.18	125
	H13PR003	100S-1200	113 CF STANDARD FILTER PRESS, 1200MM X 1200MM,	5 HP	E		$155,862	35.97	11.15	12.47	4.91	0.30	460
	H13PR005	2005-1500	181 CF STANDARD FILTER PRESS, 1500MM X 1500MM	5 HP	E		$217,024	49.88	15.51	17.36	6.83	0.30	680
	H13PR007	P4-200	370 CF MAXI FILTER PRESS, 1.5M X 20M	10 HP	E		$479,951	110.22	34.31	38.40	15.11	0.60	1,100
	H13PR020	FBP 60	23.5" WIDE FILTER BELT PRESS, .75 HP	1 HP	E		$96,252	22.00	6.88	7.70	3.03	0.06	33
	H13PR021	FBP 90	35.5" WIDE FILTER BELT PRESS, .75 HP	1 HP	E		$98,981	22.63	7.08	7.92	3.12	0.06	33
	H13PR022	FBP 120	47" WIDE FILTER BELT PRESS, 1.5 HP	2 HP	E		$124,055	28.43	8.87	9.92	3.91	0.12	57
	H13PR023	FBP 160	63" WIDE FILTER BELT PRESS, 1.5 HP	1 HP	E		$131,744	30.09	9.42	10.54	4.15	0.06	33
	H13PR024	FBP 200	78.75" WIDE FILTER BELT PRESS, 2 HP	2 HP	E		$149,340	34.19	10.68	11.95	4.70	0.12	91
	H13PR025	FBP 250	98.5" WIDE FILTER BELT PRESS, 3 HP	3 HP	E		$166,180	38.11	11.88	13.29	5.23	0.18	113
	H13PR026	FBP 300	118" WIDE FILTER BELT PRESS, 3 HP	3 HP	E		$193,901	44.42	13.86	15.51	6.10	0.18	133
	H13PR027	PS 250	PUSHER SCREW PRESS, 7.5 HP	8 HP	E		$104,564	24.59	7.48	8.37	3.29	0.48	65
	H13PR028	PS 400	PUSHER SCREW PRESS, 10 HP	10 HP	E		$154,570	36.18	11.06	12.37	4.87	0.60	80
	H13PR029	PS 600	PUSHER SCREW PRESS, 15 HP	15 HP	E		$230,762	54.02	16.50	18.46	7.27	0.91	120
	H13PR030	PS 800	PUSHER SCREW PRESS, 20 HP	20 HP	E		$325,522	76.07	23.27	26.04	10.25	1.21	160

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.22		**FILTER PRESSES, MOBILE**									
			AVERY FILTER COMPANY									
	H13AY031	L/S 1200/25M	25 CF MEMBRANE FILTER PRESS, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM A		$61,566	13.48	4.42	5.09	1.87	0.00	112
	H13AY032	K/F 1200/25M	25 CF CONVENTIONAL FILTER PRESS, 1000 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM A		$43,341	9.50	3.09	3.54	1.32	0.00	109
	H13AY029	L/S 1200/50M	50 CF MEMBRANE FILTER PRESS, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM A		$98,516	21.55	7.11	8.23	2.99	0.00	193
	H13AY030	K/F 1200/50M	50 CF CONVENTIONAL FILTER PRESS, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM A		$57,813	12.65	4.14	4.77	1.75	0.00	188
	H13AY027	L/S 1200/75M	75 CF MEMBRANE FILTER PRESS, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM A		$121,314	26.54	8.77	10.17	3.68	0.00	214
	H13AY028	K/F 1200/75M	75 CF CONVENTIONAL FILTER PRESS, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM A		$67,770	14.84	4.87	5.62	2.06	0.00	208
	H13AY025	L/S 1200/100M	100 CF MEMBRANE FILTER PRESS, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM A		$143,777	31.44	10.40	12.08	4.36	0.00	219
	H13AY026	K/F 1200/100M	100 CF CONVENTIONAL FILTER PRESS, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM A		$79,507	17.40	5.72	6.62	2.41	0.00	211
	H13AY023	L/S 1200/125M	125 CF MEMBRANE FILTER PRESS, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM A		$161,148	35.25	11.67	13.56	4.89	0.00	236
	H13AY024	K/F 1200/125M	125 CF CONVENTIONAL FILTER PRESS, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM A		$86,174	18.87	6.22	7.19	2.62	0.00	227
	H13AY021	L/S 1200/150M	150 CF MEMBRANE FILTER PRESS, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM A		$177,056	38.72	12.83	14.91	5.37	0.00	255
	H13AY022	K/F 1200/150M	150 CF CONVENTIONAL FILTER PRESS, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM A		$96,720	21.17	6.98	8.08	2.94	0.00	244

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			HYDROCAL										
	H13HR003	TRAILER PRESS	80 GPM CAPACITY BELT PRESS, TRAILER MOUNTED SYSTEM, COMPLETE WITH FLOCULATION TANK, MIXING TANK, PUMPS, FEEDERS, & CONTROL PANEL	1 HP	E		$145,868	33.99	10.59	12.31	4.43	0.06	72
			PERRIN, INC.										
	H13PR002	100S-800M	25 CF STANDARD FILTER PRESS, 800MM X 800MM, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	3 HP	E		$92,254	21.99	6.65	7.70	2.80	0.18	145
	H13PR004	100S-1200M	113 CF STANDARD FILTER PRESS, 1200MM X 1200MM, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	5 HP	E		$169,379	39.04	12.27	14.26	5.14	0.30	480
	H13PR006	2005-1500M	181 CF STANDARD FILTER PRESS, 1500MM X 1500MM, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	5 HP	E		$235,000	53.38	17.05	19.84	7.13	0.30	705
	H13PR008	P4-200	370 CF MAXI FILTER PRESS, 1.5M X 20M, TRAILER MOUNTED (ADD GEN & 64,000 GVW TRK + PERMIT)	10 HP	E		$498,014	111.97	35.97	41.70	15.12	0.60	1,140
	H13PR009	FBP 60-M	23.5" FILTER BELT PRESS, MOBILE, .75 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	1 HP	E		$106,605	24.93	7.70	8.92	3.24	0.06	53
	H13PR010	FBP-90-M	35.5" FILTER BELT PRESS, MOBILE, .75 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	1 HP	E		$109,334	25.52	7.90	9.15	3.32	0.06	53
	H13PR011	FBP 120-M	47" FILTER BELT PRESS, 1.5 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	2 HP	E		$135,502	31.34	9.80	11.38	4.11	0.12	77
	H13PR012	FBP 160-M	63" FILTER BELT PRESS, 1.5 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	2 HP	E		$143,693	33.13	10.40	12.07	4.36	0.12	77
	H13PR013	FBP 200-M	78.75" FILTER BELT PRESS, 2 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	2 HP	E		$161,878	37.10	11.72	13.62	4.91	0.12	111
	H13PR014	FBP 250-M	98.5" FILTER BELT PRESS, 3 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	3 HP	E		$179,811	41.12	13.03	15.14	5.46	0.18	133

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
H13			***PERRIN, INC. (continued)***										
	H13PR015	FBP 300-M	118" FILTER BELT PRESS, 3 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	3 HP	E		$207,532	47.18	15.05	17.50	6.30	0.18	153
	H13PR016	PS 250-M	PUSHER SCREW PRESS, MOBILE, 7.5 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	8 HP	E		$114,917	27.19	8.31	9.63	3.49	0.48	85
	H13PR017	PS 400-M	PUSHER SCREW PRESS, MOBILE, 10 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	10 HP	E		$166,016	38.55	12.03	13.97	5.04	0.60	100
	H13PR018	PS 600-M	PUSHER SCREW PRESS, MOBILE, 15 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	15 HP	E		$241,209	55.74	17.50	20.36	7.32	0.91	40
	H13PR019	PS 800-M	PUSHER SCREW PRESS, MOBILE, 20 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	20 HP	E		$339,153	77.64	24.64	28.69	10.29	1.21	180
	SUBCATEGORY 0.30		**CENTRIFUGES**										
			BOCK										
	H13BC013	GP 35	CENTRIFUGE, FIXED SPEED, TIMER, 35 LB DRY WT.	3 HP	E		$12,242	5.93	1.65	2.45	0.42	0.18	9
	H13BC010	305 TX	CENTRIFUGE, FIXED SPEED, TIMER, 35 LB DRY WT.	3 HP	E		$14,621	7.02	1.96	2.92	0.50	0.18	6
	H13BC012	GP 60	CENTRIFUGE, FIXED SPEED, TIMER, 60 LB DRY WT.	3 HP	E		$13,537	6.54	1.83	2.71	0.47	0.18	9
	H13BC006	605 TX	CENTRIFUGE, FIXED SPEED, TIMER, 60 LB DRY WT.	3 HP	E		$19,586	9.32	2.64	3.92	0.68	0.18	9
	H13BC011	GP 100	CENTRIFUGE, FIXED SPEED, TIMER, 100 LB DRY WT.	5 HP	E		$16,552	8.11	2.23	3.31	0.57	0.30	12
	H13BC003	GP 130	CENTRIFUGE, FIXED SPEED, TIMER, 130 LB DRY WT.	5 HP	E		$19,939	9.67	2.69	3.99	0.69	0.30	12
	H13BC009	355	CENTRIFUGE, FIXED SPEED, MANUAL CONTROL, EXPLOSION PROOF, 35 LB	3 HP	E		$20,948	9.94	2.82	4.19	0.72	0.18	6
	H13BC007	655	CENTRIFUGE, FIXED SPEED, MANUAL CONTROL, EXPLOSION PROOF, 60 LB	3 HP	E		$25,000	11.80	3.36	5.00	0.86	0.18	9
	H13BC008	755	CENTRIFUGE, FIXED SPEED, MANUAL CONTROL, EXPLOSION PROOF, 100 LB	5 HP	E		$29,662	14.14	3.99	5.93	1.02	0.30	12

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.40		**SHREDDERS**										
			MAC CORPORATION										
	H13MN001	52-32HT	MOBILE SHREDDER, TRAILER MOUNTED, WITH DIESEL GENERATOR SET, AND BELT-TYPE INFEED & DISCHARGE CONVEYORS	150 HP	E		$237,472	72.34	17.18	19.93	7.21	9.07	200
	H13MN002	62-40HT	MOBILE SHREDDER, TRAILER MOUNTED, WITH DIESEL GENERATOR SET, HOOK-TYPE INFEED FOR TIRES, & DISCHARGE CONVEYOR	200 HP	E		$291,793	90.70	21.10	24.47	8.86	12.09	300
	H13MN003	62-40HT	MOBILE SHREDDER, TRAILER MOUNTED, WITH DIESEL GENERATOR SET, CRANE GRAPPLE AND DISCHARGE CONVEYOR SYSTEM	200 HP	E		$295,415	92.54	21.36	24.78	8.97	12.09	300
	H13MN004	72-46HT	MOBILE SHREDDER, TRAILER MOUNTED, WITH DIESEL GENERATOR SET, CRANE GRAPPLE AND DISCHARGE CONVEYOR SYSTEM	300 HP	E		$414,735	130.72	30.05	34.92	12.59	18.14	400
			SHREAD-TECH LIMITED										
	H13SH001	ST-20	SHREDDER W/28"X14" CUTTING CHAMBR, 0.375" BLADE, 37"X38" HOPPER OPENING	20 HP	E		$38,414	10.81	2.81	3.27	1.17	1.21	20
	H13SH002	ST-20L	SHREDDER W/14"X36" CUTTING CHAMBR, 0.375" BLADE, 37"X46" HOPPER OPENING	20 HP	E		$35,477	10.13	2.59	3.02	1.08	1.21	23
	H13SH003	ST-50	SHREDDER W/42"X21" CUTTING CHAMBR, .625" BLADE, 40"X55" HOPPER OPENING, 2X40 HP	40 HP	E		$71,039	20.28	5.18	6.04	2.16	2.42	45
	H13SH004	ST-50L	SHREDDER W/52"X21" CUTTING CHAMBR, 0.625" BLADE, 40"X65" HOPPER OPENING, 2X40 HP	40 HP	E		$75,013	21.20	5.47	6.38	2.28	2.42	50
	H13SH005	ST-100	SHREDDER W/63"X32" CUTTING CHAMBR, 1.875" BLD, 60"X70" HOPPER OPENING, 2X 50 HP	100 HP	E		$128,793	39.38	9.39	10.95	3.91	6.05	200
	H13SH006	ST-500	SHREDDER W/43"X76" CUTTING CHAMBR, 2.75" BLD, 66"X96" HOPPER OPENING, 2X150 HP	300 HP	E		$412,522	124.17	30.05	35.06	12.52	18.14	420
	H13SH007	ST-500L	SHREDDER W/43"X96" CUTTING CHAMBR, 2.75" BLD, 66"X115" HOPPER OPENING, 2X300 HP	600 HP	E		$522,207	178.25	38.05	44.39	15.85	36.27	440

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.51		**SOIL TREATMENT PLANT, MOBILE**										
			PROGRESSIVE DEVELOPMENT, INC.										
	H13PO001	ST-300	MOBILE THERMAL REMEDIATION SYSTEM, TRLR MTD, W/REMIDIATION UNIT, 2-10T/HR SHRED./CLASSIFIER, WEIGHT SCALE & LP GAS VAPORIZOR	55 HP	E		$528,045	136.28	38.47	44.88	16.03	3.32	180
	SUBCATEGORY 0.71		**WASTE HANDLING EQUIPMENT, DRUM HANDLING**										
			BASCO										
	H13BB001	T55FLX	55 GAL TOP FILL DRUM FILLER	10 HP	E		$28,227	17.75	3.95	6.00	0.95	0.60	3
	H13BB002	MR3	60 DRUM/HR CAP INTERIOR DRUM CLEANER	15 HP	E		$35,483	22.61	4.96	7.54	1.19	0.91	25
H20	**HOISTS & AIR WINCHES**												
	SUBCATEGORY 0.00		**HOISTS & AIR WINCHES**										
			INGERSOL-RAND MATERIAL HANDLING										
	H20BE001	FA1	AIR WINCH (ADD COMPRESSOR) MANUAL BRAKE, 24" DRUM, 2200 # CAPACITY, 95 FPM	390 CFM	A		$14,481	3.51	1.11	1.29	0.46	0.00	4
	H20BE002	FA2.5	AIR WINCH (ADD COMPRESSOR) MANUAL BRAKE, 24" DRUM, 5000 # CAPACITY,145 FPM	700 CFM	A		$18,733	4.61	1.43	1.67	0.59	0.00	10
	H20BE003	FA5	AIR WINCH (ADD COMPRESSOR) MANUAL BRAKE, 24" DRUM, 10000 # CAPACITY,65 FPM	700 CFM	A		$24,252	6.01	1.85	2.16	0.77	0.00	19
	H20BE004	FA10	AIR WINCH (ADD COMPRESSOR) AUTOMATIC BRAKE, 24" DRUM, 22000 # CAPACITY,30 FPM	800 CFM	A		$36,082	8.89	2.75	3.21	1.14	0.00	35

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
H25	**HYDRAULIC EXCAVATORS, CRAWLER MOUNTED**											
	SUBCATEGORY 0.11		**0 LBS THRU 40,000 LBS**									
			CATERPILLAR, INC.									
	H25CA020	311-B	24,640 LBS, 0.60CY BUCKET, 16.5' DIGGING DEPTH, 24' 10" REACH GENERAL BOOM	79 HP D-off		$114,519	27.08	8.03	8.59	3.73	3.02	241
	H25CA021	312-B	26,900LBS, 0.68CY BUCKET, 18.16' DIGGING DEPTH, 26' 10" REACH GENERAL BOOM	84 HP D-off		$119,445	28.35	8.37	8.96	3.89	3.22	269
			CASE CORPORATION									
	H25CS004	9010B	27,940 LBS, 0.92 CY BUCKET	100 HP D-off		$136,613	32.65	9.58	10.25	4.45	3.83	285
	H25CS005	9020B	34,980 LBS, 0.92 CY BUCKET	103 HP D-off		$160,168	37.46	11.23	12.01	5.22	3.94	357
			HITACHI CONSTRUCTION MACHINERY									
	H25HI001	EX110-5	23,540 LBS, 0.66 CY BUCKET	76 HP D-off		$136,837	31.32	9.59	10.26	4.46	2.91	192
			DEERE & COMPANY									
	H25JD021	80	16,600LBS, 0.65CY BUCKET, 15.08' DIGGING DEPTH, 22' 1" GENERAL BOOM	55 HP D-off		$101,453	23.15	7.11	7.61	3.30	2.11	166
	H25JD020	120	26,790LBS, 0.78CY BUCKET, 19.50' DIGGING DEPTH, 28' 3" GENERAL BOOM	90 HP D-off		$131,546	31.09	9.22	9.87	4.28	3.45	268
	H25JD022	160 LC	35,500LBS, 1.06CY BUCKET, 21.08' DIGGING DEPTH, 30' 3" REACH BOOM	105 HP D-off		$153,345	36.23	10.74	11.50	4.99	4.02	355
			KOBELCO AMERICA, INC.									
	H25KC017	70SR	16,400LBS, 0.33CY BUCKET, 14.75'DIGGING DEPTH, 21' 7" REACH GENERAL BOOM	54 HP D-off		$92,857	21.39	6.50	6.96	3.02	2.07	168
	H25KC016	135SR LC	30,870LBS, 0.60CY BUCKET, 19.58'DIGGING DEPTH, 28' 5" REACH GENERAL BOOM	94 HP D-off		$131,906	31.38	9.25	9.89	4.30	3.60	319
			KOMATSU DRESSER COMPANY									
	H25KM001	PC 120-6	26,950LBS, 0.75CY BUCKET, 18.08'DIGGING DEPTH, 26' 10" REACH GENERAL BOOM	102 HP D-off		$158,480	37.07	11.11	11.89	5.16	3.90	270

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
H25			***KOMATSU DRESSER COMPANY (continued)***									
	H25KM003	PC 150LC-6	39,400 LBS, 1.12CY BUCKET, 19.58'DIGGING DEPTH, 29' 5" REACH BOOM	105 HP D-off		$185,164	42.51	12.98	13.89	6.03	4.02	394
			TAKEUCHI									
	H25TK001	TB007	1,667 LBS, 0.03 CY BUCKET	8 HP D-off		$21,507	4.70	1.51	1.61	0.70	0.31	17
	H25TK002	TB015	3,418 LBS, 0.05 CY BUCKET	16 HP D-off		$29,286	6.68	2.05	2.20	0.95	0.61	34
	H25TK004	TB025	5,958 LBS, 0.09 CY BUCKET	26 HP D-off		$37,151	8.82	2.61	2.79	1.21	1.00	60
	H25TK005	TB035	7,625 LBS, 0.13 CY BUCKET	33 HP D-off		$43,282	10.42	3.04	3.25	1.41	1.26	76
	H25TK006	TB045	10,092 LBS, 0.19 CY BUCKET	43 HP D-off		$61,601	14.61	4.32	4.62	2.01	1.65	101
	H25TK007	TB070	16,050 LBS, 0.33 CY BUCKET	56 HP D-off		$85,736	20.09	6.01	6.43	2.79	2.14	161
	SUBCATEGORY 0.12		**OVER 40,000 LBS THRU 100,000 LBS**									
			CATERPILLAR, INC.									
	H25CA022	320-B	43,800LBS, 1.50CY BUCKET, 21.75' DIGGING DEPTH, 32' 1" REACH GENERAL BOOM	128 HP D-off		$197,690	42.47	12.56	12.36	6.38	4.60	438
	H25CA023	320-B L	49,000 LBS, 0.80CY BUCKET, 39' DIGGING DEPTH, 51.5' LONG REACH BOOM	128 HP D-off		$228,310	47.98	14.51	14.27	7.37	4.60	490
	H25CA025	325-B L	60,700LBS, 1.75CY BUCKET, 23.25' DIGGING DEPTH, 34' 6" REACH BOOM	168 HP D-off		$292,343	61.66	18.57	18.27	9.43	6.04	607
	H25CA027	330-B L	75,700LBS, 2.09CY BUCKET, 21.58' DIGGING DEPTH, 33' 6" REACH BOOM	222 HP D-off		$346,668	74.34	22.03	21.67	11.19	7.98	757
	H25CA032	345-B L	98,600LBS, 3.00CY BUCKET, 30.41' DIGGING DEPTH, 42' 8" REACH BOOM	290 HP D-off		$465,312	99.36	29.55	29.08	15.01	10.43	986
			CASE CORPORATION									
	H25CS006	9030B	44,440 LBS, 1.30 CY BUCKET	128 HP D-off		$193,672	41.74	12.30	12.10	6.25	4.60	443
	H25CS007	9040B	53,020 LBS, 1.82 CY BUCKET	162 HP D-off		$245,329	52.88	15.59	15.33	7.92	5.83	528
	H25CS008	9050B	71,200 LBS, 2.74 CY BUCKET	240 HP D-off		$304,489	67.71	19.35	19.03	9.83	8.63	714
	H25CS009	9060B	99,660 LBS, 4.17 CY BUCKET	300 HP D-off		$454,941	98.02	28.90	28.43	14.68	10.79	1,000
			HITACHI CONSTRUCTION MACHINERY									
	H25HI005	EX200LC-5	45,000 LBS, 1.12 CY BUCKET	132 HP D-off		$227,580	48.06	14.45	14.22	7.34	4.75	450

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
H25			***HITACHI CONSTRUCTION MACHINERY (continued)***										
	H25HI010	EX270LC-5	60,500 LBS,1.50 CY BUCKET, LONG CARRIAGE	168 HP	D-off		$311,740	65.15	19.80	19.48	10.06	6.04	623
	H25HI012	EX450LC-5	96,800 LBS,2.38 CY BUCKET, LONG CARRIAGE	301 HP	D-off		$510,893	108.16	32.46	31.93	16.49	10.82	970
			DEERE & COMPANY										
	H25JD023	200 LC	43,230LBS, 1.30CY BUCKET, 21.91' DIGGING DEPTH, 32' 6" REACH BOOM	140 HP	D-off		$196,194	42.83	12.46	12.26	6.33	5.03	432
	H25JD024	200 LC LONG FR	42,230LBS, 0.75CY BUCKET, 38.25' DIGGING DEPTH, 50' 11" LONG REACH BOOM	140 HP	D-off		$220,547	47.22	14.01	13.78	7.12	5.03	422
	H25JD025	270 LC	60,660LBS, 2.03CY BUCKET, 23.75' DIGGING DEPTH, 35' 2" REACH BOOM	180 HP	D-off		$267,525	57.83	16.99	16.72	8.63	6.47	607
	H25JD026	370	81,200LBS, 2.59CY BUCKET, 26.25' DIGGING DEPTH, 38' 9" REACH BOOM	235 HP	D-off		$340,606	73.95	21.64	21.29	10.99	8.45	812
	H25JD027	450LC	97,680LBS, 3.29CY BUCKET, 29.92' DIGGING DEPTH, 43' 11" REACH BOOM	285 HP	D-off		$446,376	95.68	28.35	27.90	14.40	10.25	977
			KOBELCO AMERICA, INC.										
	H25KC019	SK210 LC	48,000LBS, 1.13CY BUCKET, 22.00'DIGGING DEPTH, 32' 6" REACH GENERAL BOOM	143 HP	D-off		$198,927	43.50	12.64	12.43	6.42	5.14	480
	H25KC020	SK210 LC	53,400 LBS, 0.63CY BUCKET, 39' DIGGING DEPTH, 50.0' LONG REACH BOOM	143 HP	D-off		$226,974	48.55	14.42	14.19	7.32	5.14	534
	H25KC021	SK250 LC	55,100LBS,1.875CY BUCKET, 23.08'DIGGING DEPTH, 33' 10" REACH GENERAL BOOM	176 HP	D-off		$228,419	50.58	14.51	14.28	7.37	6.33	551
	H25KC022	SK250 LC	59,100LBS, 0.50CY BUCKET, 23.08'DIGGING DEPTH, 60' LONG REACH BOOM	176 HP	D-off		$271,551	58.34	17.25	16.97	8.76	6.33	591
	H25KC023	SK330 LC	77,800LBS, 2.05CY BUCKET, 24.58'DIGGING DEPTH, 36' 10" REACH GENERAL BOOM	238 HP	D-off		$328,957	72.01	20.89	20.56	10.61	8.56	778
			KOMATSU DRESSER COMPANY										
	H25KM012	PC 200 LC-6	46,363 LBS, 1.50CY BUCKET, 21.75'DIGGING DEPTH, 32' 5" REACH GENERAL BOOM	133 HP	D-off		$244,630	51.19	15.54	15.29	7.89	4.78	464
	H25KM004	PC 220 LC-6	57,483 LBS, 1.75CY BUCKET, 22.25'DIGGING DEPTH, 33' 5" REACH BOOM	158 HP	D-off		$279,203	58.76	17.74	17.45	9.01	5.68	575
	H25KM005	PC 300 LC-5	74,803 LBS, 2.50CY BUCKET, 24.25'DIGGING DEPTH, 36' 5" REACH BOOM	232 HP	D-off		$388,433	82.40	24.67	24.28	12.53	8.34	748

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
H25			***KOMATSU DRESSER COMPANY (continued)***									
	H25KM013	PC 400 LC-6	99,517 LBS, 2.75CY BUCKET, 25.50'DIGGING DEPTH, 39' 5" REACH GENERAL BOOM	306 HP D-off		$507,680	107.84	32.25	31.73	16.38	11.00	995
	SUBCATEGORY 0.13		**OVER 100,000 LBS THRU 160,000 LBS**									
			DEERE & COMPANY									
	H25JD028	550LC	127,394LBS, 4.10CY BUCKET, 32.17'DIGGING DEPTH, 47' 5" REACH BOOM	361 HP D-off		$574,203	104.82	30.19	23.93	18.22	13.82	1,374
			KOBELCO AMERICA, INC.									
	H25KC024	SK400 LC	101,900LBS, 3.06CY BUCKET, 25.58'DIGGING DEPTH, 38' 9" REACH GENERAL BOOM	306 HP D-off		$426,830	79.75	22.43	17.78	13.54	11.71	1,019
	H25KC025	SK400 LCIV	102,200LBS, 1.25CY BUCKET, 25.58'DIGGING DEPTH, 65' REACH GENERAL BOOM	306 HP D-off		$470,788	86.43	24.75	19.62	14.94	11.71	1,022
			KOMATSU DRESSER COMPANY									
	H25KM014	PC 400 HD-6	102,712LBS, 3.00CY BUCKET, 25.00'DIGGING DEPTH, 39' 5" REACH GENERAL BOOM	306 HP D-off		$535,481	96.23	28.15	22.31	16.99	11.71	1,027
	H25KM015	PC 600 LC-6	133,160LBS, 4.25CY BUCKET, 27.83'DIGGING DEPTH, 42' 9" REACH BOOM	384 HP D-off		$751,216	132.77	39.48	31.30	23.83	14.70	1,332
	SUBCATEGORY 0.14		**OVER 160,000 LBS**									
			CATERPILLAR, INC.									
	H25CA033	365-B	164,400LBS,4.00CY BUCKET, 31.41' DIGGING DEPTH, 42' 2" REACH GENERAL BOOM	374 HP D-off		$732,491	111.55	34.47	22.89	23.02	14.32	1,644
	H25CA030	375	175,500LBS,5.00CY BUCKET, 34.75' DIGGING DEPTH, 51' 5" GENERAL BOOM	428 HP D-off		$849,176	129.04	39.96	26.54	26.69	16.38	1,750
	H25CA031	375-L	255,400LBS,6.00CY BUCKET, 26.56' DIGGING DEPTH, 42' 11" REACH BOOM	428 HP D-off		$897,093	135.10	42.22	28.03	28.20	16.38	2,554
			HITACHI CONSTRUCTION MACHINERY									
	H25HI021	EX3500-3	726,000 LBS, 22.20 CY BUCKET	1,760 HP D-off		$3,937,821	587.14	185.31	123.06	123.78	67.37	7,280
	H25HI020	EX1800-3	396,000 LBS, 12.40 CY BUCKET	1,000 HP D-off		$1,917,103	293.02	90.22	59.91	60.26	38.28	3,900
	H25HI019	EX750-5	164,600 LBS, 4.32 CY BUCKET	434 HP D-off		$887,339	134.18	41.76	27.73	27.89	16.61	1,668

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			DEERE & COMPANY									
	H25JD029	750	167,602LBS, 4.84CY BUCKET, 34.67'DIGGING DEPTH, 51' 6" REACH BOOM	434 HP D-off		$747,550	116.47	35.18	23.36	23.50	16.61	1,676
			KOMATSU DRESSER COMPANY									
	H25KM009	PC 750LC-6	171,070LBS, 5.25CY BUCKET, 27.66'DIGGING DEPTH, 44' 6" REACH BOOM	443 HP D-off		$967,744	144.82	45.54	30.24	30.42	16.96	1,711
	H25KM010	PC 1100-6	227,100LBS, 8.50CY BUCKET, 34.25'DIGGING DEPTH, 52' 6" REACH GENERAL BOOM	611 HP D-off		$1,340,286	200.44	63.07	41.88	42.13	23.39	2,271
	H25KM011	PC 1100LC-6	248,060LBS, 6.50CY BUCKET, 38.00'DIGGING DEPTH, 57' 3" REACH BOOM	611 HP D-off		$1,409,690	209.23	66.34	44.05	44.31	23.39	2,481
			O & K									
	H25OK001	RH 30 E	173,140 LBS, 8.20 CY BUCKET	400 HP D-off		$721,590	111.47	33.96	22.55	22.68	15.31	1,732
	SUBCATEGORY 0.21		**ATTACHMENTS, MOBILE SHEARS**									
			LABOUNTY									
	H25LU001	MSD 7	MOBILE SHEAR - 10" OPENING, 4' 7" REACH (ADD .10 CY EXCAVATOR)			$19,338	7.50	1.99	2.74	0.62	0.00	10
	H25LU002	MSD 7R	ROTATING MOBILE SHEAR - 10" OPENING, 5' 0" REACH (ADD .20 CY EXCAVATOR)			$25,972	10.04	2.67	3.68	0.83	0.00	11
	H25LU003	MSD 15	MOBILE SHEAR - 18" OPENING, 6' 6" REACH (ADD .35 CY EXCAVATOR)			$40,818	15.78	4.19	5.78	1.30	0.00	30
	H25LU004	MSD 15R	ROTATING MOBILE SHEAR - 18" OPENING, 8' 6" REACH (ADD .40 CY EXCAVATOR)			$52,217	20.06	5.36	7.40	1.66	0.00	35
	H25LU005	MSD 30	MOBILE SHEAR - 22" OPENING, 7' 0" REACH (ADD .50 CY EXCAVATOR)			$55,690	21.54	5.72	7.89	1.77	0.00	60
	H25LU006	MSD 30R	ROTATING MOBILE SHEAR - 22" OPENING, 10' 4" REACH (ADD .88 CY EXCAVATOR)			$82,451	31.75	8.46	11.68	2.62	0.00	60
	H25LU007	MSD 40-III	MOBILE SHEAR - 27" OPENING, 8' 6" REACH (ADD 1.0 CY EXCAVATOR)			$67,559	26.19	6.94	9.57	2.15	0.00	68
	H25LU008	MSD 40R-III	ROTATING MOBILE SHEAR - 27" OPENING, 12' 6" REACH (ADD 1.25 CY EXCAVATOR)			$93,699	35.98	9.62	13.27	2.98	0.00	87
	H25LU009	MSD 50-III	MOBILE SHEAR - 32" OPENING, 9' 0" REACH (ADD 1.25 CY EXCAVATOR)			$97,637	37.53	10.03	13.83	3.11	0.00	105

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
H25			*LABOUNTY (continued)*									
	H25LU010	MSD 50R-III	ROTATING MOBILE SHEAR - 32" OPENING, 13' 4" REACH (ADD 1.6 CY EXCAVATOR)			$122,268	46.87	12.55	17.32	3.89	0.00	120
	H25LU011	MSD 70-III	MOBILE SHEAR - 35" OPENING, 10' 4" REACH (ADD 1.75 CY EXCAVATOR)			$117,022	44.94	12.01	16.58	3.72	0.00	127
	H25LU012	MSD 70R-III	ROTATING MOBILE SHEAR - 35" OPENING, 14' 4" REACH (ADD 2.0 CY EXCAVATOR)			$148,312	56.93	15.23	21.01	4.72	0.00	149
	H25LU013	MSD 100-III	MOBILE SHEAR - 38" OPENING, 11' 6" REACH (ADD 2.3 CY EXCAVATOR)			$148,618	57.14	15.26	21.05	4.73	0.00	149
	H25LU014	MSD 100R-III	ROTATING MOBILE SHEAR - 38" OPENING 16' 0" REACH (ADD 2.5 CY EXCAVATOR)			$178,974	68.68	18.38	25.35	5.70	0.00	175
	H25LU015	MSD 140	MOBILE SHEAR - 44" OPENING, 13' 10' REACH (ADD 3.0 CY EXCAVATOR)			$166,063	63.95	17.06	23.53	5.29	0.00	195
	H25LU016	MSD 140R	ROTATING MOBILE SHEAR - 44" OPENING, 18' 6" REACH (ADD 3.6 CY EXCAVATOR)			$204,872	78.78	21.03	29.02	6.52	0.00	245
	SUBCATEGORY 0.22		**ATTACHMENTS, MATERIAL HANDLING**									
			BALDERSON, INC.									
	H25BS001		0.50 CY BUCKET, SHOVEL/BACKHOE, W/TIPS			$4,504	1.52	0.45	0.60	0.15	0.00	10
	H25BS002		0.75 CY BUCKET, SHOVEL/BACKHOE, W/TIPS			$5,228	1.77	0.52	0.70	0.17	0.00	16
	H25BS003		1.25 CY BUCKET, SHOVEL/BACKHOE, W/TIPS			$5,750	1.95	0.58	0.77	0.19	0.00	30
	H25BS004		1.50 CY BUCKET, SHOVEL/BACKHOE, W/TIPS			$7,019	2.38	0.70	0.94	0.23	0.00	22
	H25BS005		3.25 CY BUCKET, SHOVEL/BACKHOE, W/TIPS			$11,000	3.72	1.10	1.47	0.36	0.00	52
			LABOUNTY									
	H25LU023	100 TR	1.25 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM (ADD .50 CY EXCAVATOR)			$10,805	3.90	1.07	1.44	0.35	0.00	18
	H25LU024	110 TR	3.50 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM (ADD .88 CY EXCAVATOR)			$15,776	5.63	1.57	2.10	0.52	0.00	27
	H25LU025	120 TR	3.50 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM (ADD 1.25 CY EXCAVATOR)			$19,504	6.99	1.94	2.60	0.64	0.00	35
	H25LU026	140 TR	5.50 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM (ADD 1.6 CY EXCAVATOR)			$22,341	8.05	2.22	2.98	0.73	0.00	49

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
H25			*LABOUNTY (continued)*									
	H25LU027	160 TR	6.50 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM (ADD 2.3 CY EXCAVATOR)			$25,114	9.09	2.50	3.35	0.82	0.00	60
	H25LU028	170 TR	9.00 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM (ADD 3.0 CY EXCAVATOR)			$32,299	11.63	3.22	4.31	1.06	0.00	80
	H25LU029	RB 80	ROTATING BARREL HANDLER (ADD EXCAVATOR)			$25,182	8.92	2.51	3.36	0.83	0.00	17
	H25LU030	RBC 80	ROTATING BARREL HANDLER/CRUSHER (ADD 1.0 CY EXCAVATOR)			$38,900	13.76	3.88	5.19	1.28	0.00	21
	H25LU031	MD 30	MATERIAL DENSIFIER - 50,000 LB. (ADD 1.25 CY EXCAVATOR)			$64,339	22.96	6.40	8.58	2.11	0.00	60
	H25LU032	MD 50	MATERIAL DENSIFIER - 70,000 LB. (ADD 1.75 CY EXCAVATOR)			$77,176	27.49	7.68	10.29	2.53	0.00	90
	H25LU033	R80	0.75 CY ROTATING GRAPPLE (ADD 0.88 CY EXCAVATOR)			$34,953	12.42	3.48	4.66	1.15	0.00	22
	H25LU034	R100	1.00 CY ROTATING GRAPPLE (ADD 1.25 CY EXCAVATOR)			$47,132	16.74	4.69	6.28	1.55	0.00	40
	H25LU035	R110	1.25 CY ROTATING GRAPPLE (ADD 1.75 CY EXCAVATOR)			$50,178	17.87	5.00	6.69	1.65	0.00	64
	H25LU036	R120	2.00 CY ROTATING GRAPPLE (ADD 2.30 CY EXCAVATOR)			$53,140	18.97	5.29	7.09	1.74	0.00	84
			WAIN-ROY, INC.									
	H25WN001		36" PAVEMENT-REMOVAL BUCKET (ADD 200 HP HYD EXCAVATOR)			$11,734	3.96	1.16	1.56	0.38	0.00	31
	SUBCATEGORY 0.23		**ATTACHMENTS, CONCRETE PULVERIZERS**									
			KENT DEMOLITION TOOLS									
	H25KN001	KHB10G 11	HYDRA RAM, 2000 LB W/POINT FOR 8-12 TON EXCAVATOR			$29,529	11.97	3.03	4.18	0.94	0.00	16
	H25KN002	KHB15G 11	HYDRA RAM, 3000 LB W/POINT FOR 13-18 TON EXCAVATOR			$40,883	16.38	4.20	5.79	1.30	0.00	29
	H25KN003	KHB20G 11	HYDRA RAM, 4000 LB W/POINT FOR 18-25 TON EXCAVATOR			$49,996	19.92	5.13	7.08	1.59	0.00	40
	H25KN004	KHB30G 11	HYDRA RAM, 5000 LB W/POINT FOR 25-32 TON EXCAVATOR			$64,849	25.69	6.66	9.19	2.06	0.00	46
	H25KN005	KHB40G 11	HYDRA RAM, 7000 LB W/POINT FOR 32-44 TON EXCAVATOR			$81,554	32.68	8.38	11.55	2.60	0.00	60

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
H25			***KENT DEMOLITION TOOLS (continued)***									
	H25KN006	KHB50G 11	HYDRA RAM, 10,000 LB W/POINT FOR OVER 44 TON EXCAVATOR			$115,657	45.93	11.87	16.38	3.68	0.00	87
			LABOUNTY									
	H25LU045	CP 30	CONCRETE PULVERIZER - 14.5" THICK CONCRETE (ADD 0.75 CY EXCAVATOR)			$22,111	9.08	2.27	3.13	0.70	0.00	21
	H25LU046	CP 40	CONCRETE PULVERIZER - 24" THICK CONCRETE (ADD 1.0 CY EXCAVATOR)			$23,679	9.69	2.43	3.35	0.75	0.00	23
	H25LU047	CP 60	CONCRETE PULVERIZER - 30" THICK CONCRETE (ADD 1.75 CY EXCAVATOR)			$27,507	11.29	2.83	3.90	0.88	0.00	26
	H25LU048	CP 80	CONCRETE PULVERIZER - 36" THICK CONCRETE (ADD 2.0 CY EXCAVATOR)			$30,586	12.58	3.14	4.33	0.97	0.00	37
	H25LU049	CP 100	CONCRETE PULVERIZER - 42" THICK CONCRETE (ADD 3.0 CY EXCAVATOR)			$37,044	15.19	3.81	5.25	1.18	0.00	49
	H25LU050	CP 120	CONCRETE PULVERIZER - 48" THICK CONCRETE (ADD 3.5 CY EXCAVATOR)			$45,281	18.49	4.65	6.41	1.44	0.00	78
	H25LU040	UP 50	UNIVERSAL PROCESSOR W/ CONCRETE PULVERIZER JAWS - 36" OPENING, 12' 6" REACH (ADD 1.25 CY EXCAVATOR)			$90,745	36.01	9.32	12.86	2.89	0.00	82
	H25LU041	UP 70	UNIVERSAL PROCESSOR W/ CONCRETE PULVERIZER JAWS - 48.25" OPENING, 14' 0" REACH (ADD 1.60 CY EXCAVATOR)			$115,072	45.45	11.81	16.30	3.66	0.00	97
	H25LU042	UP 90	UNIVERSAL PROCESSOR W/ CONCRETE PULVERIZER JAWS - 62" OPENING, 13' 0" REACH (ADD 2.30 CY EXCAVATOR)			$139,816	55.82	14.36	19.81	4.45	0.00	166
	H25LU053	UP 50	UNIVERSAL PROCESSOR W/ DEMOLITION COMBO STEEL & CONCRETE JAW, 41" OPENING 12' 6" REACH (ADD 1.25 CY EXCAVATOR)			$102,943	40.74	10.57	14.58	3.28	0.00	96
	H25LU054	HP 70	UNIVERSAL PROCESSOR W/ STEEL PLATE SHEAR JAW, 21" OPENING 14' 0" REACH (ADD 1.60 CY EXCAVATOR)			$126,769	50.00	13.01	17.96	4.03	0.00	126
	SUBCATEGORY 0.24		**ATTACHMENTS, COMPACTORS**									
			AMERICAN COMPACTION EQUIPMENT, INC.									
	H25AX001	DC-24BL	23" WIDE, SHEEPS FOOT ROLLER, 3 RIMS FOR 12.5-25 TON EXCAVATOR			$6,539	2.55	0.68	0.93	0.21	0.00	21

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
H25			***AMERICAN COMPACTION EQUIPMENT, INC. (continued)***									
	H25AX003	DC-24EX	23" WIDE, SHEEPS FOOT ROLLER, 3 RIMS FOR 25-37.5 TON EXCAVATOR			$8,070	3.14	0.83	1.14	0.26	0.00	31
	H25AX005	DC-24EXL	24" WIDE, SHEEPS FOOT ROLLER, 3 RIMS FOR 37.5-55 TON EXCAVATOR			$8,866	3.45	0.91	1.26	0.28	0.00	35
	H25AX002	DC-36BL	35" WIDE, SHEEPS FOOT ROLLER, 4 RIMS FOR 12.5-25 TON EXCAVATOR			$7,131	2.77	0.74	1.01	0.23	0.00	25
	H25AX004	DC-36EX	35" WIDE, SHEEPS FOOT ROLLER, 4 RIMS FOR 25-37.5 TON EXCAVATOR			$9,213	3.58	0.95	1.31	0.29	0.00	37
	H25AX006	DC-36EXL	36" WIDE, SHEEPS FOOT ROLLER, 4 RIMS FOR 37.5-55 TON EXCAVATOR			$10,051	3.90	1.03	1.42	0.32	0.00	43
			KENT DEMOLITION TOOLS									
	H25KN007	KHP-30	SOIL COMPACTOR & SHEET DRIVER IMPULSE FORCE - 3,000 LBS			$4,157	1.76	0.43	0.59	0.13	0.00	4
	H25KN009	KHP-135	SOIL COMPACTOR & SHEET DRIVER IMPULSE FORCE - 13,500 LBS			$8,460	3.44	0.87	1.20	0.27	0.00	14
	H25KN010	KHP-210	SOIL COMPACTOR & SHEET DRIVER IMPULSE FORCE - 20,000 LBS			$12,630	5.06	1.30	1.79	0.40	0.00	23
H30	**HYDRAULIC EXCAVATORS, WHEEL MOUNTED**											
	SUBCATEGORY 0.01		**0 THRU 1.0 CY**									
			CATERPILLAR, INC.									
	H30CA005	M-318	33,700LBS,1.00 CY BUCKET, 19.00' DIGGING DEPTH, 30' 9" REACH GENERAL BOOM, 4X4	128 HP D-off		$188,428	45.90	14.85	17.23	6.23	4.60	337
			GRADALL COMPANY									
	H30GA001	G3W	0.500 CY BUCKET, 4X4	125 HP D-off	205 HP D-on	$179,770	46.71	14.22	16.55	5.94	6.22	380
	H30GA003	G3WD	0.625 CY BUCKET, 4X2,TELESCOPIC BOOM	37 HP D-off	190 HP D-on	$164,808	38.45	13.05	15.19	5.45	2.93	340
	H30GA004	G3WD	0.625 CY BUCKET, 4X4,TELESCOPIC BOOM	37 HP D-off	190 HP D-on	$182,153	42.03	14.41	16.77	6.02	2.93	347
	H30GA006	XL4100	0.750 CY BUCKET, 6X4,TELESCOPIC BOOM	145 HP D-off	200 HP D-on	$267,194	65.48	21.14	24.61	8.83	6.89	451

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.02		**OVER 1.0 CY**										
			KOMATSU DRESSER COMPANY										
	H30KM001	PW170ES-6	37,600LBS,1.12 CY BUCKET, 18.67' DIGGING DEPTH, 29' 5" REACH GENERAL BOOM, 4X4	125 HP	D-off		$214,078	46.27	14.87	15.80	6.97	4.50	376
H35	**HYDRAULIC SHOVELS, CRAWLER MOUNTED**												
	SUBCATEGORY 0.12		**DIESEL, OVER 5.0 CY**										
			CATERPILLAR, INC.										
	H35CA001	5080 FS	185,800LBS, 6.8 CY BUCKET, FRONT SHOVEL	428 HP	D-off		$961,295	112.69	39.53	21.36	28.85	16.38	1,858
			HITACHI CONSTRUCTION MACHINERY										
	H35HI004	EX750-5	5.23 CY BUCKET, SHOVEL	434 HP	D-off		$979,143	114.70	40.27	21.76	29.39	16.61	1,666
	H35HI002	EX1800-3	13.50 CY BUCKET, SHOVEL	1,000 HP	D-off		$1,919,995	232.37	78.96	42.67	57.62	38.28	3,896
	H35HI003	EX3500-3	23.50 CY BUCKET, SHOVEL	1,760 HP	D-off		$469,949	132.87	19.32	10.44	14.10	67.37	7,360
			KOBELCO AMERICA, INC.										
	H35KC001	SK330LC	80,700LBS, 4.0 CY BUCKET, FRONT SHOVEL APPROX. 5' DIGGING DEPTH, 29' REACH	238 HP	D-off		$345,423	44.73	14.21	7.68	10.37	9.11	807
	H35KC002	SK400IV	107,700LBS, 5.88CY BUCKET, FRONT SHOVEL APPROX. 7' DIGGING DEPTH, 32' REACH	306 HP	D-off		$443,090	57.40	18.23	9.85	13.30	11.71	1,077
			KOMATSU DRESSER COMPANY										
	H35KM008	PC 1800-6	183,700 LBS, 15.50 CY BUCKET APPROX.43.9' DIGGING DEPTH, 51.75' REACH	908 HP	D-off		$2,193,695	253.74	90.22	48.75	65.84	34.76	3,968
			O & K										
	H35OK001	RH 40 E	9.20 CY BUCKET, SHOVEL	496 HP	D-off		$981,247	118.01	40.36	21.81	29.45	18.99	2,204
	H35OK003	RH 90 C	13.10 CY BUCKET, SHOVEL	856 HP	D-off		$1,819,669	215.63	74.83	40.44	54.61	32.77	3,484
	H35OK004	RH 120 C	17.00 CY BUCKET, SHOVEL	1,150 HP	D-off		$2,517,230	296.57	103.52	55.94	75.55	44.02	4,895

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
H35			*O & K (continued)*									
	H35OK005	RH 200	34.00 CY BUCKET, SHOVEL	2,060 HP D-off		$5,358,812	611.89	220.37	119.08	160.83	78.86	10,582
L10	**LAND CLEARING EQUIPMENT**											
	SUBCATEGORY 0.00		**LAND CLEARING EQUIPMENT**									
			BALDERSON, INC.									
	L10BS002	BMA8	MULTIAPPLICATION RAKE (FOR D8N TRACTOR)			$25,545	6.15	1.82	2.04	0.80	0.00	68
	L10BS004	BBL7	BLADE RAKE (FOR D7H TRACTOR)			$8,820	2.28	0.64	0.71	0.28	0.00	24
	L10BS005	BRK8	ROCK & ROOT RAKE (FOR D8N TRACTOR)			$23,404	5.67	1.68	1.87	0.74	0.00	72
	L10BS006	RV8N	V-TREE CUTTER (FOR D8N TRACTOR)			$37,068	8.91	2.66	2.97	1.17	0.00	133
	L10BS007	988 DTC	LOGGING FORK (FOR 988B LOADER)			$32,856	8.04	2.35	2.63	1.03	0.00	90
			BUSH HOG									
	L10BU009	FH174	FLAIL MOWER, 62" WIDE,0.5-5"HT, 2"CAP (ADD 30-60 HP TRACTOR)			$4,402	1.91	0.32	0.35	0.14	0.00	10
	L10BU005	SM-60	ROTARY CUTTER, 5' WIDTH, MIN TRACTOR LIFT CAP - 3200# @ 24", SIDE MOUNT			$7,192	2.76	0.52	0.58	0.23	0.00	17
	L10BU010	278RP	ROTARY CUTTER, 8' WIDTH, 2.5"-12" HT, CENTER MOUNT (ADD 40HP TRACTOR)			$5,757	2.12	0.41	0.46	0.18	0.00	13
	L10BU011	3610	ROTARY CUTTER, 10.5' WIDTH, 2"-14"HT, STRAIGHT BLADE (ADD 70HP TRACTOR)			$11,973	4.25	0.86	0.96	0.38	0.00	46
	L10BU012	3615	ROTARY CUTTER, 15' WIDTH, 2"-14"HT, STRAIGHT BLADE (ADD 80HP TRACTOR)			$15,108	5.47	1.09	1.21	0.48	0.00	51
	L10BU013	2620	ROTARY CUTTER, 20' WIDTH, 2"-14"HT, STRAIGHT BLADE (ADD 90HP TRACTOR)			$18,352	6.72	1.32	1.47	0.58	0.00	63
			ROME PLOW COMPANY									
	L10RM004	RV8N	V-TREE & BRUSH CUTTER (FOR D8 TRACTOR)			$34,539	8.33	2.47	2.76	1.09	0.00	133
			VERMEER MANUFACTURING COMPANY									
	L10VE010	SC 252	STUMPER, 16" DIA WHEEL, TRAILER MTD	25 HP G		$12,063	6.37	0.86	0.95	0.38	2.60	11

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
L10			***VERMEER MANUFACTURING COMPANY (continued)***										
	L10VE002	SC 630B	STUMPER, 18" DIA WHEEL, TRAILER MTD	34 HP	G		$12,406	7.74	0.88	0.98	0.39	3.53	17
	L10VE009	SC 672A	STUMPER, 25" DIA WHEEL, TRAILER MTD	65 HP	G		$24,739	15.05	1.76	1.96	0.78	6.75	33
	L10VE005	TS-30	TREE SPADE, 30" DIAMETER, 24" DEPTH, TRAILER MOUNTED	13 HP	G		$9,231	3.99	0.65	0.72	0.29	1.35	38
	L10VE006	TS-44A	TREE SPADE, 44" DIAMETER, 40" DEPTH, TRAILER MOUNTED	13 HP	G		$22,087	6.94	1.58	1.75	0.70	1.35	66
	L10VE007	TS-50M	TREE SPADE, 50" DIAMETER, 48" DEPTH (ADD 13,800 GVW TRUCK)				$21,314	6.40	1.53	1.71	0.67	0.00	81
L15	**LANDSCAPING EQUIPMENT**												
	SUBCATEGORY 0.00		**LANDSCAPING EQUIPMENT**										
			EXCEL INDUSTRIES										
	L15EX014	HUSTLER 1500	MOWER-RIDE ON, 54" DECK, SIDE DISCHARGE	20 HP	G		$5,832	6.33	0.79	1.17	0.20	2.77	8
	L15EX015	HUSTLER 260R	MOWER-RIDE ON, 60" WIDE DECK, REAR DISCHARGE & BAK PAC GRASS CATCHER	22 HP	G		$9,360	8.32	1.25	1.88	0.31	3.04	0
	L15EX002	HUSTLER 3200	MOWER-RIDE ON, 72" DECK WITH EXTRA HI-LIFT BAC VAC GRASS CATCHER & ROPS	23 HP	D-off		$15,628	8.71	2.12	3.17	0.53	1.09	14
	L15EX012	HUSTLER 6400	MOWER-RIDE ON, 72" DECK, HILLSIDE MOWER	38 HP	G		$29,495	20.67	4.02	6.06	0.99	5.26	22
	L15EX010	HUSTLER 4500	MOWER-RIDE ON, 72" DECK WITH EXTRA HI-LIFT BAC VAC GRASS CATCHER & ROPS	54 HP	G		$22,717	20.46	3.14	4.76	0.76	7.47	15
			FINN EQUIPMENT										
	L15FG001	T330	HYDROSEEDER, 3000 GAL, TRUCK MTD (ADD 56,000 GVW TRUCK)	109 HP	D-off		$47,412	29.16	6.63	10.08	1.59	5.18	85
			DEERE & COMPANY										
	L15JD001	F725	54" DECK, SIDE DISCHARGE, RIDING, 4X2	20 HP	G		$10,796	8.57	1.41	2.10	0.36	2.77	12
	L15JD002	F911	60" DECK, SIDE DISCHARGE, RIDING, 4X2	22 HP	G		$14,790	10.81	1.97	2.94	0.50	3.04	15
	L15JD004	F935	72" DECK, SIDE DISCHARGE, RIDING, 4X2	22 HP	D-off		$18,560	9.99	2.49	3.74	0.62	1.05	23
	L15JD003	F1145	72" DECK, SIDE DISCHARGE, RIDING, 4X4	28 HP	D-off		$22,602	12.23	3.05	4.57	0.76	1.33	26

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			TORO										
	L15TO001	SR-21SE	21" REAR BAGGER - PUSH MOWER	6 HP	G		$895	1.51	0.13	0.19	0.03	0.83	1
	L15TO002	8-25	32" RIDING MOWER	8 HP	G		$2,455	2.57	0.32	0.47	0.08	1.11	4
	L15TO003	267-H	48" DECK GROUNDMASTER W/118 TRACTOR	17 HP	G		$4,810	5.31	0.65	0.97	0.16	2.35	8
	L15TO004	267-H	52" DECK W/GROUNDMASTER W/118 TRACTOR	17 HP	G		$5,008	5.41	0.68	1.02	0.17	2.35	8
	L15TO006	30223	62" DECK W/GROUNDMASTER W/223 TRACTOR	23 HP	G		$16,552	11.93	2.28	3.43	0.56	3.18	18
	L15TO005	30243	62" DECK W/GROUNDMASTER W/223D TRACTR	23 HP	D-off		$20,277	10.95	2.80	4.23	0.68	1.09	20
	L15TO007	30789	72" DECK W/GROUNDMASTER	45 HP	G		$18,230	16.71	2.51	3.79	0.61	6.23	20
	L15TO008	30795	72" DECK W/GROUNDMASTER W/223D TRACTOR	25 HP	D-off		$22,947	12.33	3.17	4.79	0.77	1.19	25
			WILLMAR EQUIPMENT CO.										
	L15WI001	S-200	85 CF DRY CHEMICAL SPREADER (ADD 55 HP FARM TRACTOR)				$6,237	2.90	0.85	1.28	0.21	0.00	15
L20	**LIGHTING SETS, TRAILER MOUNTED**												
	SUBCATEGORY 0.10		**METALLIC VAPOR**										
			ALLMAND BROTHERS, INC.										
	L20AB014	NITE-LITE 1000	6.0 KW 4/1000W, W/GEN SET, TRLR MTD	12 HP	D-off		$13,285	5.74	1.07	1.30	0.42	0.61	17
	L20AB012	MAXI-LITE 4H	6.0 KW 4/1000W, WITH GENERATOR SET, HYDRAULIC MAST, TRLR MTD	12 HP	D-off		$17,576	7.33	1.42	1.72	0.56	0.61	26
	L20AB013	MAXI-LITE 695	6.0 KW 4/1250W, WITH GENERATOR SET, CABLE ELECTRIC MAST, TRLR MTD	17 HP	D-off		$14,781	6.60	1.20	1.45	0.47	0.84	20
	L20AB015	2200/SE ALT 15	15 LAMP, FLASHING ARROW, TRLR MTD, SOLAR PANELS W/ BATTERY CHARGER				$6,996	2.59	0.56	0.68	0.22	0.00	12
	L20AB016	2200/SE APF 25	25 LAMP, FLASHING ARROW, TRLR MTD, SOLAR PANELS W/ BATTERY CHARGER				$7,332	2.72	0.59	0.71	0.23	0.00	12
			AMIDA INDUSTRIES, INC.										
	L20AI001	MITI-LITE 500-4	4/500W, W/4.0 KW GEN, TRLR MTD	4 HP	G		$5,133	2.67	0.41	0.50	0.16	0.59	6

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
L20			***AMIDA INDUSTRIES, INC. (continued)***										
	L20AI002	LT5060 D-4	4/1000W, W/6.0 KW GEN, TRLR MTD	11 HP	D-off		$18,114	7.48	1.48	1.79	0.58	0.56	21
	L20AI003	LT5080 D-4	4/1000W, W/8.0 KW GEN, TRLR MTD, MANUAL-CABLE WINCH RAISED 30' MAST	16 HP	D-off		$20,223	8.61	1.65	2.00	0.65	0.82	9
	L20AI004	LT7080D-6MH	6/1000W, W/8.0 KW GEN, TRLR MTD, HYDRAULIC RAISED MAST	16 HP	D-off		$26,829	11.04	2.19	2.66	0.86	0.79	35
L25	**LINE STRIPING EQUIPMENT**												
	SUBCATEGORY 0.00		**LINE STRIPING EQUIPMENT**										
			M-B COMPANIES, INC.										
	L25MB001	3-10	LINE STRIPER, 1 GUN, WALK BEHIND	5 HP	G		$2,525	2.54	0.21	0.25	0.08	0.74	2
	L25MB002	5-10A	LINE STRIPER, 1 GUN, WALK BEHIND	5 HP	G		$3,379	3.07	0.28	0.34	0.11	0.74	6
	L25MB005	5-12	LINE STRIPER, 2 GUNS, WALK BEHIND	10 HP	G		$4,853	4.52	0.41	0.49	0.16	1.47	10
	L25MB003	6-28	LINE STRIPER, 2 GUNS, INTERMEDIATE,	10 HP	G		$11,142	6.80	0.92	1.11	0.36	1.47	15
	L25MB007	220	LINE STRIPER, 3-4 GUNS, INTERMEDIATE	23 HP	G		$36,559	17.33	3.00	3.66	1.17	3.38	30
	L25MB006	245	LINE STRIPER, INTERMEDIATE	60 HP	G		$80,266	38.93	6.59	8.03	2.57	8.82	48
	L25MB004	VANMARK 360	LINE STRIPER, 1 COLOR, 2-3 LINES, WITH 11,000# GVW TRUCK	190 HP	G		$103,240	71.74	8.40	10.20	3.30	27.94	116
	L25MB008	360	LINE STRIPER, THERMAL PLASTICS 120 GALLONS, TRUCK MOUNTED	190 HP	G		$191,903	100.65	15.63	18.97	6.14	27.94	80
L30	**LOADERS, BELT (CONVEYOR BELTS) & ACCESSORIES**												
	SUBCATEGORY 0.00		**LOADERS, BELT (CONVEYOR BELTS) & ACCESSORIES**										
			MORGEN MANUFACTURING COMPANY										
	L30MO001	303-750	48' MOBILE PLACER CONVEYOR, CONCRETE & AGGREGATE, 16" WIDE	30 HP	G		$38,298	13.78	2.71	2.99	1.21	3.37	57
	L30MO002	303-775	56' MOBILE PLACER CONVEYOR, CONCRETE & AGGREGATE, 16" WIDE	30 HP	G		$40,070	14.20	2.83	3.13	1.26	3.37	62
			MAXON INDUSTRIES										
	L30MX008		SLIDER BELT CONVEYOR, 300 FPM, 1 CY PER MINUTE				$26,577	7.15	1.91	2.13	0.84	0.00	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
L35	**LOADERS, FRONT END, CRAWLER TYPE**												
	SUBCATEGORY 0.00		**LOADERS, FRONT END, CRAWLER TYPE**										
			CATERPILLAR, INC.										
	L35CA011	933-C HYSTAT	1.30 CY BUCKET	70 HP	D-off		$89,929	36.13	7.38	8.99	2.88	2.92	188
	L35CA012	933-C LGP HYST	1.30 CY BUCKET- LGP	70 HP	D-off		$96,970	38.62	7.95	9.70	3.10	2.92	199
	L35CA013	939-C HYSTAT	1.50 CY BUCKET	90 HP	D-off		$111,866	45.14	9.18	11.19	3.58	3.76	207
	L35CA005	953-C	2.25 CY BUCKET	121 HP	D-off		$172,116	68.34	14.11	17.21	5.50	5.05	310
	L35CA014	963-C	3.20 CY BUCKET	160 HP	D-off		$223,382	88.89	18.31	22.34	7.14	6.68	452
	L35CA007	973	3.70 CY BUCKET	210 HP	D-off		$329,504	129.51	27.02	32.95	10.54	8.77	548
			DEERE & COMPANY										
	L35JD002	455G	1.30 CY MULTI-PURPOSE BUCKET	70 HP	D-off		$90,426	36.30	7.41	9.04	2.89	2.92	176
	L35JD003	555G	1.50 CY MULTI-PURPOSE BUCKET	90 HP	D-off		$113,143	45.59	9.28	11.31	3.62	3.76	197
			KOMATSU DRESSER COMPANY										
	L35KM006	D75S-5	3.30 CY BUCKET, POWERSHIFT	200 HP	D-off		$374,110	144.64	30.67	37.41	11.96	8.35	483
			TAKEUCHI										
	L35TK001	TL26	0.48 CY BUCKET	61 HP	D-off		$37,919	17.19	3.11	3.79	1.21	2.55	68
L40	**LOADERS, FRONT END, WHEEL TYPE**												
	SUBCATEGORY 0.11		**ARTICULATED, 0 THRU 225 HP**										
			CATERPILLAR, INC.										
	L40CA019	914-G	1.70 CY BUCKET, ARTICULATED, 4X4	98 HP	D-off		$105,857	27.93	7.32	7.73	3.45	3.75	158
	L40CA022	924-Gz	2.20 CY BUCKET, ARTICULATED, 4X4	112 HP	D-off		$115,575	30.79	7.98	8.44	3.76	4.29	215
	L40CA015	928-G	2.50 CY BUCKET, ARTICULATED, 4X4	137 HP	D-off		$1,245,766	256.34	87.17	93.21	40.56	5.24	244
	L40CA023	938-G	3.25 CY BUCKET, ARTICULATED, 4X4	145 HP	D-off		$171,204	45.19	11.75	12.36	5.57	5.55	317
	L40CA024	950-G	3.50 CY, BUCKET, ARTICULATED, 4X4	180 HP	D-off		$218,350	57.72	14.96	15.70	7.11	6.89	418
	L40CA025	962-G	4.00 CY BUCKET, ARTICULATED, 4X4	200 HP	D-off		$229,526	61.11	15.74	16.53	7.47	7.66	440

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
L40			*CATERPILLAR, INC. (continued)*										
	L40CA026	966-G	4.75 CY BUCKET, ARTICULATED, 4X4	235 HP	D-off		$301,977	79.01	20.69	21.71	9.83	9.00	505
			CASE CORPORATION										
	L40CS009	621B	2.60 CY BUCKET, ARTICULATED, 4X4	126 HP	D-off		$129,400	35.43	8.86	9.29	4.21	4.82	253
	L40CS010	721B	2.75 CY BUCKET, ARTICULATED, 4X4	140 HP	D-off		$162,515	42.82	11.18	11.77	5.29	5.36	285
	L40CS011	821B	3.67 CY BUCKET, ARTICULATED, 4X4	170 HP	D-off		$213,573	55.99	14.64	15.37	6.95	6.51	367
			DEERE & COMPANY										
	L40JD009	344H	1.75 CY BUCKET, ARTICULATED, 4X4	98 HP	D-off		$100,875	27.23	6.94	7.31	3.28	3.75	164
	L40JD010	444H	2.50 CY BUCKET, ARTICULATED, 4X4	110 HP	D-off		$106,941	29.14	7.36	7.76	3.48	4.21	215
	L40JD011	544H	3.00 CY BUCKET, ARTICULATED, 4X4	130 HP	D-off		$127,673	34.44	8.82	9.32	4.16	4.98	259
	L40JD012	644H	4.25 CY BUCKET, ARTICULATED, 4X4	180 HP	D-off		$200,312	53.03	13.79	14.54	6.52	6.89	383
			KOMATSU DRESSER COMPANY										
	L40KM001	WA120-3L3	1.85 CY BUCKET, ARTICULATED, 4X4	105 HP	D-off		$118,085	31.06	8.15	8.60	3.85	4.02	181
	L40KM002	WA180-3L	2.25 CY BUCKET, ARTICULATED, 4X4	118 HP	D-off		$136,445	35.47	9.43	9.98	4.44	4.52	206
	L40KM003	WA250-3MC	2.50 CY BUCKET, ARTICULATED, 4X4	135 HP	D-off		$164,533	42.04	11.40	12.08	5.36	5.17	248
	L40KM004	WA320-3MC	3.50 CY BUCKET, ARTICULATED, 4X4	173 HP	D-off		$193,856	51.35	13.34	14.06	6.31	6.62	312
	L40KM005	WA380-3MC	4.25 CY BUCKET, ARTICULATED, 4X4	205 HP	D-off		$249,911	65.79	17.14	18.00	8.14	7.85	393
	L40KM006	WA420-3MC	4.80 CY BUCKET, ARTICULATED, 4X4	230 HP	D-off		$277,138	72.66	19.05	20.05	9.02	8.80	428
	SUBCATEGORY 0.12		**ARTICULATED, OVER 225 HP**										
			CATERPILLAR, INC.										
	L40CA027	972-G	5.25 CY BUCKET, ARTICULATED, 4X4	265 HP	D-off		$319,092	74.03	20.25	20.62	9.94	10.14	550
	L40CA007	980-G	6.00 CY, BUCKET, ARTICULATED, 4X4	300 HP	D-off		$398,981	92.29	25.21	25.58	12.42	11.48	645
	L40CA008	988-F SERIES II	9.00 CY, BUCKET, ARTICULATED, 4X4	430 HP	D-off		$582,403	130.68	36.67	37.05	18.14	16.46	968
	L40CA018	990 SERIES II	11.00 CY BUCKET, ARTICULATED, 4X4	625 HP	D-off		$972,922	207.31	61.13	61.66	30.30	23.93	1,628
	L40CA009	992-D	15.00 CY, BUCKET, ARTICULATED, 4X4	800 HP	D-off		$1,349,078	282.97	85.03	86.04	42.01	30.62	2,023
			CASE CORPORATION										
	L40CS012	921B	5.00 CY BUCKET, ARTICULATED, 4X4	248 HP	D-off		$281,174	67.47	17.74	17.96	8.76	9.49	503

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			DEERE & COMPANY									
	L40JD006	744H	5.25 CY, BUCKET, ARTICULATED, 4X4	260 HP D-off		$292,217	70.03	18.45	18.70	9.10	9.95	503
			KOMATSU DRESSER COMPANY									
	L40KM007	WA450-3MC	5.50 CY BUCKET, ARTICULATED, 4X4	271 HP D-off		$329,604	75.29	20.76	20.99	10.26	10.37	502
	L40KM008	WA500-3L	6.50 CY BUCKET, ARTICULATED, 4X4	335 HP D-off		$453,868	101.11	28.66	29.05	14.13	12.82	663
	L40KM009	WA600-3L	8.00 CY BUCKET, ARTICULATED, 4X4	490 HP D-off		$602,916	134.27	37.77	37.99	18.77	18.76	997
	L40KM010	WA700-3L	11.10 CY BUCKET, ARTICULATED, 4X4	684 HP D-off		$1,168,842	243.73	73.96	75.12	36.40	26.18	1,511
	L40KM011	WA800-3LC	13.10 CY BUCKET, ARTICULATED, 4X4	853 HP D-off		$1,508,210	313.69	95.20	96.48	46.96	32.65	2,192
	SUBCATEGORY 0.20		**SKID STEER**									
			CATERPILLAR, INC.									
	L40CA028	216	60" GEN PURPOSE BUCKET, 13.0CF 23CWT,4X4	49 HP D-off		$23,906	9.56	1.92	2.31	0.76	2.05	55
	L40CA029	226	60" GEN PURPOSE BUCKET, 13.0CF 25CWT,4X4	54 HP D-off		$25,003	10.18	2.01	2.42	0.80	2.26	57
	L40CA030	236	66" GEN PURPOSE BUCKET, 14.0CF 40CWT,4X4	59 HP D-off		$30,233	11.91	2.43	2.91	0.97	2.46	71
	L40CA031	246	72" GEN PURPOSE BUCKET, 15.4CF 40CWT,4X4	74 HP D-off		$32,022	13.34	2.57	3.09	1.02	3.09	74
			CASE CORPORATION									
	L40CS014	1825B	44" DIRT/UTILITY BUCKET, 4.8 CF CAP	25 HP D-off		$18,172	6.43	1.47	1.78	0.58	1.04	32
	L40CS016	1838	54" DIRT BUCKET, 7.9 CF CAP	46 HP D-off		$22,949	9.08	1.85	2.23	0.73	1.92	52
	L40CS017	1840	54" DIRT BUCKET, 7.9 CF CAP	50 HP D-off		$25,612	10.05	2.07	2.50	0.82	2.09	45
	L40CS018	1845C	63" DIRT BUCKET, 9.1 CF CAP	56 HP D-off		$30,625	11.77	2.47	2.97	0.98	2.34	59
			DEERE & COMPANY									
	L40JD013	240	54" GEN PURPOSE BUCKET, 10.3CF 15CWT,4X4	51 HP D-off		$21,881	9.16	1.75	2.10	0.70	2.13	57
	L40JD014	250	66" GEN PURPOSE BUCKET, 12.0CF 17CWT,4X4	61 HP D-off		$24,862	10.59	1.99	2.40	0.79	2.55	57
	L40JD015	260	72" GEN PURPOSE BUCKET, 13.0CF 22CWT,4X4	69 HP D-off		$30,877	13.01	2.40	2.81	0.99	2.88	57

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
L40			***DEERE & COMPANY (continued)***										
	L40JD016	270	84" GEN PURPOSE BUCKET, 15.3CF 26CWT,4X4	77 HP	D-off		$36,322	14.96	2.84	3.35	1.16	3.22	57
			MELROE COMPANY										
	L40ME015	450	36" DIRT BUCKET, 5.1 CF CAP	17 HP	G		$9,489	5.37	0.76	0.92	0.30	2.00	19
	L40ME016	453	44" DIRT BUCKET, 6.5 CF CAP	16 HP	D-off		$12,138	4.25	0.98	1.18	0.39	0.66	20
	L40ME017	553	48" DIRT BUCKET, 6.7 CF CAP	23 HP	D-off		$15,792	5.69	1.26	1.52	0.50	0.94	34
	L40ME018	751	60" UTILITY BUCKET, 14.3 CF CAP	38 HP	D-off		$19,094	7.53	1.54	1.86	0.61	1.59	46
	L40ME012	753	60" LOW PROFILE BUCKET, 13.0 CF CAP	44 HP	D-off		$20,892	8.36	1.69	2.04	0.67	1.82	48
	L40ME019	863	66" LOW PROFILE BUCKET, 16.3 CF CAP	74 HP	D-off		$28,801	12.48	2.31	2.77	0.92	3.07	67
	SUBCATEGORY	**0.31**	**TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP**										
			CATERPILLAR, INC.										
	L40CA013	IT14G	INTEGRATED TOOL CARRIER, 4X4, 1.75 CY LOADER; 6,303 LB @ 12.17'H, FORK LIFT; OR 1,841 LB @ 22.42' H,MAT HANDLING ARM	90 HP	D-off		$106,887	28.35	7.39	7.81	3.48	3.45	172
	L40CA012	IT28G	INTEGRATED TOOL CARRIER, 4X4, 2.50 CY LOADER; 10,640 LB @ 12.58' H, FORK LIFT; OR 3,195 LB @ 23.25' H,MAT HANDLING ARM	125 HP	D-off		$142,762	37.87	9.89	10.48	4.65	4.79	235
	L40CA014	IT62G	INTEGRATED TOOL CARRIER, 4X4, 4.25 CY LOADER; 13,670 LB @ 12.42' H, FORK LIFT; OR 5,040 LB @ 22.67' H,MAT HANDLING ARM	200 HP	D-off		$243,266	63.18	16.90	17.96	7.92	7.66	404
			JCB										
	L40JC004	526	5000# LIFT CAPACITY, 4X4, TELESCOPIC BM	100 HP	D-off		$66,625	20.61	4.57	4.80	2.17	3.83	130
	L40JC005	530	6000# LIFT CAPACITY, 4X4, TELESCOPIC BM	80 HP	D-off		$72,042	20.62	4.95	5.20	2.35	3.06	151
	L40JC006	506C	6000# LIFT CAPACITY, 4X4, TELESCOPIC BM	80 HP	D-off		$86,168	23.22	5.97	6.31	2.81	3.06	215
			DEERE & COMPANY										
	L40JD017	TC44H	INTEGRATED TOOL CARRIER, 4X4, 2.50 CY LOADER; 8,633 LB @ 11.41'H, FORK LIFT; OR 3,920 LB @ 22.00' H,MAT HANDLING ARM	110 HP	D-off		$116,452	31.77	8.03	8.48	3.79	4.21	225

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
L40			***DEERE & COMPANY (continued)***									
	L40JD018	TC54H	INTEGRATED TOOL CARRIER, 4X4, 3.00 CY LOADER; 11,217 LB @ 12.25'H, FORK LIFT; OR 5,163 LB @ 22.42' H,MAT HANDLING ARM	130 HP D-off		$133,289	36.40	9.21	9.74	4.34	4.98	266
	L40JD019	TC62H	INTEGRATED TOOL CARRIER, 4X4, 3.50 CY LOADER; 13,979 LB @ 12.05'H, FORK LIFT; OR 6,404 LB @ 22.42' H,MAT HANDLING ARM	160 HP D-off		$164,533	44.55	11.40	12.08	5.36	6.12	305
			KOMATSU DRESSER COMPANY									
	L40KM012	WA180-3 PTC	INTEGRATED TOOL CARRIER, 4X4, 2.25 CY LOADER; 4,966 LB @ 12.00'H, FORK LIFT; OR 2,306 LB @ 18.50' H,MAT HANDLING ARM	118 HP D-off		$140,342	37.14	9.71	10.27	4.57	4.52	172
	L40KM013	WA250-3 PTC	INTEGRATED TOOL CARRIER, 4X4, 2.50 CY LOADER; 6,068 LB @ 12.25' H, FORK LIFT; OR 6,669 LB @ 23.17' H,MAT HANDLING ARM	135 HP D-off		$164,332	44.39	11.26	11.82	5.35	5.17	235
L50	**LOADERS / BACKHOE, WHEEL TYPE**											
	SUBCATEGORY 0.00		**LOADERS / BACKHOE, WHEEL TYPE**									
			CATERPILLAR, INC.									
	L50CA001	416-C	1.00 CY FE BUCKET,18" B/H BUCKET,14.5'DP	80 HP D-off		$76,815	19.87	5.31	5.62	2.50	2.41	145
	L50CA002	426-C	1.25 CY FE BUCKET,24" B/H BUCKET,15.5'DP	85 HP D-off		$85,928	22.02	5.96	6.31	2.80	2.56	159
	L50CA003	436-C	1.38 CY FE BUCKET,30" B/H BUCKET,16.2'DP	93 HP D-off		$92,370	23.73	6.40	6.77	3.01	2.80	160
	L50CA004	446-B	1.50 CY FE BUCKET,36" B/H BUCKET,17.1'DP	110 HP D-off		$125,328	31.56	8.66	9.15	4.08	3.32	193
			CASE CORPORATION									
	L50CS004	580L	1.00 CY FE BUCKET, 24" B/H DIPPER, 4X4, EXTENDAHOE	71 HP D-off		$74,130	18.92	5.13	5.43	2.41	2.14	144
	L50CS005	580 SUPER L	1.00 CY FE BUCKET, 24" B/H DIPPER, 4X4	86 HP D-off		$77,803	20.35	5.37	5.68	2.53	2.59	139
	L50CS006	590 SUPER L	1.25 CY FE BUCKET, 24" B/H DIPPER, 4X4, EXTENDAHOE	86 HP D-off		$93,712	23.87	6.43	6.75	3.05	2.59	166

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
			JCB									
	L50JC001	210S	0.80 CY FE BUCKET, 30" B/H DIPPER, 4X4X4	60 HP D-off		$57,291	15.11	3.91	4.07	1.87	1.81	118
	L50JC002	214	1.10 CY FE BUCKET, 36" B/H DIPPER, 2X4	86 HP D-off		$70,483	18.87	4.83	5.06	2.30	2.59	154
	L50JC003	214S	1.25 CY FE BUCKET, 36" B/H DIPPER, 4X4X4	92 HP D-off		$79,758	21.20	5.49	5.77	2.60	2.77	166
	L50JC004	215	1.25 CY FE BUCKET, 36" B/H DIPPER, 4X4	92 HP D-off		$80,327	21.21	5.52	5.80	2.62	2.77	154
	L50JC005	215S	1.25 CY FE BUCKET, 36" B/H DIPPER, 4X4X4	92 HP D-off		$87,860	22.90	6.05	6.37	2.86	2.77	166
	L50JC006	217	1.50 CY FE BUCKET, 36" B/H DIPPER, 4X4	92 HP D-off		$105,637	26.55	7.29	7.69	3.44	2.77	154
	L50JC007	217S	1.50 CY FE BUCKET, 36" B/H DIPPER, 4X4X4	92 HP D-off		$113,535	28.33	7.86	8.31	3.70	2.77	166
			DEERE & COMPANY									
	L50JD001	310E	1.12 CY FE BUCKET, 18" B/H BUCKET, 14.2' DIGGING DEPTH, 4X2	71 HP D-off		$63,886	16.76	4.41	4.65	2.08	2.14	128
	L50JD002	410E	1.30 CY FE BUCKET, 18" B/H BUCKET, 15.8' DIGGING DEPTH, 4X2	90 HP D-off		$79,132	20.88	5.45	5.74	2.58	2.71	150
	L50JD005	710D	1.62 CY FE BUCKET, 24" B/H BUCKET, 18.1' DIGGING DEPTH, 4X2	115 HP D-off		$133,203	33.59	9.20	9.71	4.34	3.47	230
L55	**LOADER / BACKHOE, ATTACHMENTS**											
	SUBCATEGORY 0.00		**LOADER / BACKHOE, ATTACHMENTS**									
			KENT DEMOLITION TOOLS									
	L55KN001	KB-555	AIR RAM, WITH NARROW CHISEL, 2.5"D, 30"L (ADD COMPR)	175 CFM A		$6,894	3.15	0.69	0.92	0.23	0.00	6
	L55KN002	KB-999	AIR RAM, WITH NARROW CHISEL, 3.5"D, 36"L (ADD COMPR)	250 CFM A		$14,079	6.43	1.40	1.88	0.46	0.00	10
	L55KN003	KB-2600	AIR RAM, WITH NARROW CHISEL, 5.25"D,48"L (ADD AIR COMPR) (ADD MIN .75CY B/H)	750 CFM A		$28,715	12.95	2.86	3.83	0.94	0.00	22

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
L60	**LOG SKIDDERS**											
	SUBCATEGORY 0.00		**LOG SKIDDERS**									
			CATERPILLAR, INC.									
	L60CA014	517 GRAPPLE	LOG SKIDDER, BLADE, 8 SF GRAPPLE CABLE WINCH @ 69,200 LB LINE-PULL	120 HP D-off		$230,696	68.23	19.39	24.51	7.13	4.59	364
	L60CA012	515	WHEEL LOG SKIDDER, 4X2,BLADE,8SF GRAPPLE CABLE WINCH @ 30,000 LB LINE-PULL, 4X2	140 HP D-off		$147,156	47.34	12.09	15.07	4.55	5.36	262
	L60CA013	525	WHEEL LOG SKIDDER,4X2,BLADE,11SF GRAPPLE CABLE WINCH @ 43,000 LB LINE-PULL, 4X2	160 HP D-off		$175,939	56.11	14.50	18.12	5.44	6.12	284
	L60CA010	527 CABLE	TRACK LOG SKIDDER, POWER ANGLE BLADE CABLE WINCH @ 69,200 LB LINE-PULL	150 HP D-off		$259,815	77.63	21.84	27.61	8.03	5.74	404
	L60CA011	527 GRAPPLE	TRACK LOG SKIDDER, A-BLADE, 10SF GRAPPLE CABLE WINCH @ 69,200 LB LINE-PULL	150 HP D-off		$286,598	84.81	24.08	30.45	8.85	5.74	417
			DEERE & COMPANY									
	L60JD001	540G - SKIDDER	WHEEL LOG SKIDDER,4X4 , WITH ANGLE BLADE CABLE WINCH @ 40,525 LB LINE-PULL	121 HP D-off		$123,727	40.51	10.10	12.55	3.82	4.63	217
	L60JD003	548G GRAPPLE	WHEEL LOG SKIDDER, 4X4,BLADE,8SF GRAPPLE	121 HP D-off		$126,656	41.30	10.34	12.86	3.91	4.63	251
	L60JD004	648G GRAPPLE	WHEEL LOG SKIDDER, 4X4,BLADE,8SF GRAPPLE	157 HP D-off		$155,413	51.85	12.47	15.33	4.80	6.01	288
	L60JD002	640G SKIDDER	WHEEL LOG SKIDDER, 4X4, WITH ANGLE BLADE CABLE WINCH @ 48,767 LB LINE-PULL	157 HP D-off		$181,183	57.83	14.93	18.65	5.60	6.01	239
	L60JD006	643G	FELLER BUNCHER, 18"DIA LOG,WHEEL MTD,4X4	170 HP D-off		$205,159	65.43	16.79	20.90	6.34	6.51	320
	L60JD008	653G	FELLER BUNCHER, 28" DIA LOG, CRAWLER MTD	170 HP D-off		$289,261	86.58	24.31	30.73	8.94	6.51	410
	L60JD007	843G	FELLER BUNCHER, 20"DIA LOG,WHEEL MTD,4X4	200 HP D-off		$218,005	70.45	17.88	22.27	6.74	7.66	323

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			ALLIED SYSTEMS COMPANY									
	L60RN001	F65	CABLE LOG SKIDDER, W/22,400# LINE-PULL	104 HP D-off		$107,783	34.66	8.89	11.12	3.33	3.98	163
	L60RN002	H66	CABLE LOG SKIDDER, W/29,200# LINE-PULL	132 HP D-off		$131,129	42.67	10.70	13.29	4.05	5.05	217
	L60RN003	H77	CABLE LOG SKIDDER, W/33,400# LINE-PULL	159 HP D-off		$134,519	45.01	10.99	13.65	4.16	6.09	220
	L60RN004	F68	CABLE LOG SKIDDER, W/34,600# LINE-PULL	217 HP D-off		$163,085	56.19	13.11	16.14	5.04	8.31	346
	L60RN005	F65	GRAPPLE LOG SKIDDER	104 HP D-off		$128,420	40.21	10.63	13.31	3.97	3.98	163
	L60RN006	H66	GRAPPLE LOG SKIDDER	132 HP D-off		$146,051	46.37	12.13	15.23	4.51	5.05	217
	L60RN007	H67	GRAPPLE LOG SKIDDER	159 HP D-off		$160,233	51.59	13.32	16.73	4.95	6.09	220
	L60RN008	F68	GRAPPLE LOG SKIDDER	217 HP D-off		$169,402	57.88	13.64	16.81	5.23	8.31	346
M10	**MARINE EQUIPMENT (NON DREDGING)**											
	SUBCATEGORY 0.41		**WORK FLOATS (NON-DREDGING)**									
			MARINE INLAND FABRICATERS									
	M10MZ001		20' X 8' X 2' WORK FLOAT, MEDIUM DUTY			$5,480	1.58	0.58	0.82	0.17	0.00	43
	M10MZ002		25' X 8' X 2' WORK FLOAT, MEDIUM DUTY			$5,990	1.72	0.63	0.90	0.18	0.00	53
	M10MZ003		30' X 10' X 3' WORK FLOAT, MEDIUM DUTY			$9,066	2.61	0.96	1.36	0.28	0.00	82
	SUBCATEGORY 0.42		**WORK BARGES (SECTIONAL, NON-DREDGING)**									
			MARINE INLAND FABRICATERS									
	M10MZ004		35' X 10' X 3' WORK BARGE, MEDIUM DUTY			$14,407	1.20	0.62	0.43	0.40	0.00	131
	M10MZ005	RAKE	40' X 12' X 4' WORK BARGE, MEDIUM DUTY WITH ONE BUCKHEAD & SPUDS			$23,266	1.95	1.00	0.70	0.65	0.00	193
	M10MZ006		45' X 12' X 4' WORK BARGE, MEDIUM DUTY WITH ONE BUCKHEAD & SPUDS			$26,319	2.20	1.13	0.79	0.73	0.00	220
	M10MZ007		50' X 14' X 4' WORK BARGE, MEDIUM DUTY			$29,773	2.49	1.28	0.89	0.83	0.00	273
	M10MZ008		55' X 14' X 5' WORK BARGE, MEDIUM DUTY			$36,661	3.07	1.57	1.10	1.02	0.00	319

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
M10			***MARINE INLAND FABRICATERS (continued)***										
	M10MZ009		60' X 16' X 5' WORK BARGE, MEDIUM DUTY				$43,876	3.67	1.88	1.32	1.22	0.00	388
	SUBCATEGORY 0.51		**BOATS & LAUNCHES, 0 THRU 250 HP**										
			MARINE INLAND FABRICATERS										
	M10MZ010	COLT	20' 3" X 8' X 3' TRUCKABLE WORKBOAT WITH PILOT HOUSE & PUSH KNEES	140 HP	D-off		$35,402	12.92	1.99	1.88	1.05	5.36	95
	M10MZ011	MUSTANG	25' 3" X 10' X 3'6" TRUCKABLE WORKBOAT WITH PILOT HOUSE & PUSH KNEES	210 HP	D-off		$46,913	18.52	2.64	2.49	1.39	8.04	190
			SEAARK MARINE										
	M10SM001	17'	17' LITTLE GIANT, UTILITY SERIES,W/CABIN TRI-HULL, CAPACITY 2000 LBS, OUTBOARD	150 HP	G		$44,223	30.01	2.49	2.35	1.31	16.87	18
	M10SM002	19'	19' LITTLE GIANT, UTILITY SERIES,W/CABIN TRI-HULL, CAPACITY 2400 LBS, OUTBOARD	200 HP	G		$47,091	38.35	2.64	2.50	1.39	22.49	20
	M10SM003	21'	21' LITTLE GIANT, UTILITY SERIES,W/CABIN TRI-HULL, CAPACITY 2800 LBS, OUTBOARD	200 HP	G		$49,480	38.68	2.78	2.63	1.46	22.49	24
	M10SM004	23'	23' LITTLE GIANT, UTILITY SERIES,W/CABIN TRI-HULL, CAPACITY 3400 LBS, STERN DRIVE	250 HP	G		$54,130	47.27	3.04	2.88	1.60	28.11	28
	M10SM005	18'	18' RIVER RUNNER, VEE HULL, NO CABIN, O/B ENGINE, CAPACITY 1350 LBS	115 HP	G		$20,040	21.06	1.12	1.06	0.59	12.93	15
	M10SM006	20'	20' RIVER RUNNER, VEE HULL, NO CABIN, O/B ENGINE, CAPACITY 1650 LBS	115 HP	G		$22,187	21.37	1.25	1.18	0.66	12.93	15
	M10SM007	17'	17' ROUSTABOUT, TRI HULL, NO CABIN, O/B ENGINE, CAPACITY 2200 LBS	150 HP	G		$34,020	28.59	1.92	1.81	1.01	16.87	16
	M10SM008	19'	19' ROUSTABOUT, TRI HULL, NO CABIN, O/B ENGINE, CAPACITY 2600 LBS	200 HP	G		$37,175	36.97	2.09	1.97	1.10	22.49	17
	M10SM009	21'	21' ROUSTABOUT, TRI HULL, NO CABIN, O/B ENGINE, CAPACITY 3000 LBS	200 HP	G		$39,627	37.32	2.23	2.11	1.17	22.49	25
	M10SM010	23'	23' ROUSTABOUT, TRI HULL, NO CABIN, O/B ENGINE, CAPACITY 3600 LBS	200 HP	G		$42,751	37.74	2.40	2.27	1.26	22.49	29
	M10SM011	2008-B	20' 3" TRANSPORTER SERIES, SINGLE STERN DRIVE, FLAT OR 5 DEGREE VEE HULL, CAPACITY 3500 LBS, W/6X6 CABIN	205 HP	G		$61,873	41.20	3.48	3.29	1.83	23.05	34
	M10SM012	2408-B	24' 3" TRANSPORTER SERIES, STERN DRIVE, FLAT OR 5 DEGREE VEE HULL, CAPACITY 4000 LBS, W/6X6 CABIN	250 HP	G		$68,642	49.29	3.86	3.65	2.03	28.11	41

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
M10			***SEAARK MARINE (continued)***										
	M10SM016	2008-C	20' 4" SURVEYOR SERIES, SINGLE STERN DRIVE, TRI HULL, CAP 3500 LBS, W/CABIN	205 HP	G		$55,988	40.38	3.15	2.97	1.66	23.05	28
	M10SM013	2308-C	22'10" SURVEYOR UTILITY SERIES, STERN DRIVE, FLAT OR 5 DEGREE VEE HULL, CAPACITY 4000 LBS, W/CABIN	250 HP	G		$63,673	48.59	3.57	3.38	1.88	28.11	42
P10	**PILE HAMMER ACCESSORIES - EXTRACTORS & BOX LEADS**												
	SUBCATEGORY 0.00		**PILE HAMMER ACCESSORIES - EXTRACTORS & BOX LEADS**										
		INTERNATIONAL CONSTRUCTION EQUIPMENT											
	P10IC001	216	DRIVER/EXTRACTOR, 30 TON LINE-PULL	175 HP	D-off		$102,991	42.03	9.27	11.16	3.69	6.70	130
	P10IC002	416L	DRIVER/EXTRACTOR, 40 TON LINE-PULL	300 HP	D-off		$162,161	67.50	14.60	17.57	5.81	11.48	207
	P10IC003	612	DRIVER/EXTRACTOR, 40-TON LINE-PULL	300 HP	D-off		$203,366	80.53	18.31	22.03	7.29	11.48	235
	P10IC004	815	DRIVER/EXTRACTOR, 50 TON LINE-PULL	503 HP	D-off		$259,451	109.26	23.36	28.11	9.30	19.25	316
	P10IC005	1412B	DRIVER/EXTRACTOR, 150 TON LINE-PULL	800 HP	D-off		$413,505	174.03	37.22	44.80	14.82	30.62	525
	P10IC010		SWING LEAD, 26" X 86'				$22,747	7.19	2.05	2.46	0.82	0.00	101
	P10IC012		SWING LEAD, 32" X 88'				$28,027	8.86	2.52	3.04	1.00	0.00	155
	P10IC011		FIXED LEAD, 26" X 86', W/SPOTTER	13 HP	D-off		$42,913	14.28	3.87	4.65	1.54	0.50	134
	P10IC013		FIXED LEAD, 32" X 88', W/SPOTTER	13 HP	G		$47,369	17.04	4.27	5.13	1.70	1.46	193
P20	**PILE HAMMERS, DOUBLE ACTING**												
	SUBCATEGORY 0.10		**DIESEL**										
		INTERNATIONAL CONSTRUCTION EQUIPMENT											
	P20IC001	180	8,100 FT-LBS, MAXIMUM STROKE 4'9" (ADD LEADS AND CRANE)				$42,793	18.16	4.13	5.35	1.45	0.00	52
	P20IC002	440	18,100 FT-LBS, MAXIMUM STROKE 4'8" (ADD LEADS & CRANE)				$98,508	40.82	9.49	12.31	3.33	0.00	122
	P20IC003	520	30,000 FT-LBS, MAXIMUM STROKE 5'11" (ADD LEADS & CRANE)				$95,187	40.12	9.17	11.90	3.22	0.00	159
	P20IC004	640	40,000 FT-LBS, MAXIMUM STROKE 6'8" (ADD LEADS & CRANE)				$101,259	43.17	9.76	12.66	3.43	0.00	169

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			MKT MANUFACTURING, INC.									
	P20MK001	DA-15C	8,200 FT-LBS, MAXIMUM STROKE 10'-6", DIESEL (ADD LEADS & CRANE)			$53,467	22.38	5.15	6.68	1.81	0.00	60
	P20MK002	5	1,000 FT-LBS, MAXIMUM STROKE 7" (ADD COMPRESSOR, LEADS & CRANE)	250 CFM A		$20,411	8.56	1.97	2.55	0.69	0.00	17
	P20MK003	6	2,500 FT-LBS, MAXIMUM STROKE 8.75" (ADD COMPRESSOR, LEADS & CRANE)	400 CFM A		$24,937	10.85	2.40	3.12	0.84	0.00	31
	P20MK004	7	4,150 FT-LBS, MAXIMUM STROKE 9.5" (ADD COMPRESSOR, LEADS & CRANE)	450 CFM A		$31,209	13.59	3.01	3.90	1.06	0.00	50
	P20MK005	9B3	8,750 FT-LBS, MAXIMUM STROKE 17" (ADD COMPRESSOR, LEADS & CRANE)	600 CFM A		$50,761	21.32	4.90	6.35	1.72	0.00	74
	P20MK006	10B3	13,100 FT-LBS, MAXIMUM STROKE 19" (ADD COMPRESSOR, LEADS & CRANE)	750 CFM A		$55,831	24.56	5.38	6.98	1.89	0.00	114
	P20MK007	11B3	19,150 FT-LBS, MAXIMUM STROKE 19" (ADD COMPRESSOR, LEADS & CRANE)	900 CFM A		$62,746	27.29	6.04	7.84	2.12	0.00	141
P25	**PILE HAMMERS, SINGLE ACTING**											
	SUBCATEGORY 0.10		**DIESEL**									
			PILECO									
	P25DL001	D6-32	10,500 FT-LBS, MAXIMUM STROKE 11'8" (ADD LEADS & CRANE)			$46,619	18.72	4.64	6.22	1.53	0.00	38
	P25DL002	D8-22	18,000 FT-LBS, MAXIMUM STROKE 11'8" (ADD LEADS & CRANE)			$48,938	19.91	4.88	6.53	1.61	0.00	42
	P25DL003	D12-32	31,320 FT-LBS, MAXIMUM STROKE 11'8" (ADD LEADS & CRANE)			$53,736	21.67	5.34	7.16	1.76	0.00	63
	P25DL004	D19-32	42,800 FT-LBS, MAXIMUM STROKE 11'8" (ADD LEADS & CRANE)			$72,917	29.59	7.25	9.72	2.39	0.00	76
	P25DL005	D25-32	58,248 FT-LBS, MAXIMUM STROKE 11'8" (ADD LEADS & CRANE)			$108,222	43.90	10.77	14.43	3.55	0.00	122
	P25DL006	D30-32	69,898 FT-LBS, MAXIMUM STROKE 11'8" (ADD LEADS & CRANE)			$114,549	46.96	11.40	15.27	3.76	0.00	133
	P25DL007	D36-32	83,880 FT-LBS, MAXIMUM STROKE 11'8" (ADD LEADS & CRANE)			$143,348	58.43	14.26	19.11	4.70	0.00	174
	P25DL008	D46-32	107,177 FT-LBS, MAXIMUM STROKE 11'8" (ADD LEADS & CRANE)			$154,985	64.36	15.41	20.66	5.08	0.00	196

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
P25			***PILECO (continued)***									
	P25DL009	D62-22	165,000 FT-LBS, MAX STROKE 11'8" (ADD LEADS & CRANE)			$294,667	118.91	29.32	39.29	9.67	0.00	280
	P25DL010	D80-23	225,000 FT-LBS, MAX STROKE 11'8" (ADD LEADS & CRANE)			$422,337	169.22	42.02	56.31	13.86	0.00	377
	P25DL011	D100-13	300,000 FT-LBS, MAX STROKE 11'8" (ADD LEADS & CRANE)			$452,667	182.43	45.03	60.36	14.85	0.00	454
			INTERNATIONAL CONSTRUCTION EQUIPMENT									
	P25IC001	30S	22,500 FT-LBS, MAXIMUM STROKE 7' 8"			$66,295	27.46	6.59	8.84	2.17	0.00	73
	P25IC002	42S	42,000 FT-LBS, MAXIMUM STROKE 10' 5"			$80,370	34.09	8.00	10.72	2.64	0.00	91
	P25IC003	60S	60,000 FT-LBS, MAXIMUM STROKE 10' 5"			$127,871	53.14	12.73	17.05	4.20	0.00	161
	P25IC004	80S	80,000 FT-LBS, MAXIMUM STROKE 12' 5"			$149,355	62.22	14.86	19.91	4.90	0.00	175
	P25IC005	100S	100,000 FT-LBS, MAXIMUM STROKE 12' 0"			$194,130	80.24	19.31	25.88	6.37	0.00	220
	P25IC006	120S	120,000 FT-LBS, MAXIMUM STROKE 12' 5"			$231,726	95.52	23.05	30.90	7.60	0.00	274
			MKT MANUFACTURING, INC.									
	P25MK002	DA-35C	23,800 FT-LBS, MAXIMUM STROKE 10' 6", DIESEL			$70,710	29.45	7.04	9.43	2.32	0.00	113
	P25MK001	DE-33/30/20C	33,000 FT-LBS, MAXIMUM STROKE 10' 6",			$64,905	27.23	6.46	8.65	2.13	0.00	78
	P25MK003	DE-70/50C	70,000 FT-LBS,MAXIMUM STROKE 10' 9", 7000# RAM, DIESEL			$100,655	42.51	10.01	13.42	3.30	0.00	150
			VULCAN IRON WORKS, INC.									
	P25VU002	306	18,000 FT-LBS (ADD COMPR, LEADS & CRANE)	750 CFM A		$69,225	28.88	6.89	9.23	2.27	0.00	121
	P25VU003	505	25,000 FT-LBS (ADD COMPR, LEADS & CRANE)	600 CFM A		$68,743	28.71	6.85	9.17	2.26	0.00	127
	P25VU004	506	32,500 FT-LBS (ADD COMPR, LEADS & CRANE)	900 CFM A		$70,357	29.32	7.00	9.38	2.31	0.00	140
	P25VU005	508	40,000 FT-LBS (ADD COMPR, LEADS & CRANE)	900 CFM A		$94,713	38.60	9.43	12.63	3.11	0.00	202
	P25VU010	510	50,000 FT-LBS (ADD COMPR, LEADS & CRANE)	1,050 CFM A		$97,486	38.11	9.70	13.00	3.20	0.00	222
	P25VU011	512	60,000 FT-LBS (ADD COMPR, LEADS & CRANE)	1,200 CFM A		$98,624	38.76	9.82	13.15	3.24	0.00	242

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
P30	**PILE HAMMERS, DRIVER/ EXTRACTOR, VIBRATORY**												
	SUBCATEGORY 0.00		**PILE HAMMERS, DRIVER/ EXTRACTOR, VIBRATORY**										
			MKT MANUFACTURING, INC.										
	P30MK001	V-5C	MAXIMUM DRIVING FORCE 53 TON	175 HP	D-off		$97,192	46.52	9.67	12.96	3.19	6.70	118
	P30MK002	V-17	MAXIMUM DRIVING FORCE 90 TON	325 HP	D-off		$162,110	79.37	16.13	21.61	5.32	12.44	211
	P30MK003	V-20B	MAXIMUM DRIVING FORCE 107 TON	325 HP	D-off		$166,343	80.99	16.55	22.18	5.46	12.44	211
	P30MK004	V-30	MAXIMUM DRIVING FORCE 180 TON	600 HP	D-off		$262,473	132.52	26.11	35.00	8.61	22.97	345
			VULCAN IRON WORKS, INC.										
	P30VU001	400A	17 TON, DRIVER/EXTRAXTOR	58 HP	D-off		$56,802	24.78	5.65	7.57	1.86	2.22	50
	P30VU002	1150A	42 TON, DRIVER/EXTRACTOR	155 HP	D-off		$122,330	55.00	12.17	16.31	4.01	5.93	138
	P30VU003	2300A	84 TON, DRIVER/EXTRACTOR	360 HP	D-off		$182,198	88.92	18.13	24.29	5.98	13.78	166
	P30VU004	4600A	167 TON, DRIVER/EXTRACTOR	560 HP	D-off		$259,428	129.19	25.81	34.59	8.51	21.44	246
P35	**PIPELAYERS**												
	SUBCATEGORY 0.00		**PIPELAYERS**										
			CATERPILLAR, INC.										
	P35CA007	572-H	PIPELAYER,18 FT BOOM, 40,000LB CAPACITY	110 HP	D-off		$195,720	33.83	10.47	8.95	5.99	2.30	358
	P35CA008	572-R	PIPELAYER,20 FT BOOM, 90,000LB CAPACITY	230 HP	D-off		$359,618	63.02	19.22	16.44	11.00	4.80	663
	P35CA009	583-R	PIPELAYER,20 FT BOOM, 140,000LB CAPACITY	305 HP	D-off		$462,161	81.31	24.71	21.13	14.14	6.37	984
	P35CA006	589	PIPELAYER,28 FT BOOM, 230,000LB CAPACITY	420 HP	D-off		$607,856	107.53	32.50	27.79	18.60	8.77	1,450

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER		VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
P40	**PLATFORMS & MAN-LIFTS**													
	SUBCATEGORY 0.00		**PLATFORMS & MAN-LIFTS**											
	GROVE WORLDWIDE (Includes GROVE & MANLIFT)													
	P40GV016	A62J	ARTIC BOOM MAN-LIFT, 68'H, 64'R,500#,4X4	60 HP	D-off			$116,638	34.04	10.00	13.04	3.48	1.81	268
	P40GV017	A80J	ARTIC BOOM MAN-LIFT, 86'H, 64'R,500#,4X4	110 HP	D-off			$185,175	55.33	15.74	20.42	5.53	3.32	428
	P40GV018	A100J	ARTIC BOOM MAN-LIFT,106'H, 54'R,500#,4X4	110 HP	D-off			$222,480	66.03	18.87	24.46	6.64	3.32	458
	P40GV019	A125J	ARTIC BOOM MAN-LIFT,131'H, 69'R,600#,4X4	110 HP	D-off			$274,820	80.19	23.39	30.35	8.21	3.32	479
	P40GV020	A33NEJ	ARTIC BOOM MAN-LIFT, 39'H, 21'R,500#,4X2	4 HP	E	7 HP	E	$52,918	16.24	4.28	5.39	1.58	0.52	145
	P40GV021	A45EJ	ARTIC BOOM MAN-LIFT, 51'H, 25'R,500#,4X2	5 HP	E	7 HP	E	$56,707	17.32	4.60	5.81	1.69	0.56	143
	P40GV022	T40	STRAIGHT BOOM MAN-LIFT, 40'HT, 34'R,500#	60 HP	D-off			$83,314	25.02	7.15	9.31	2.49	1.81	137
	P40GV023	T66J	STRAIGHT BOOM MAN-LIFT, 66'HT, 55'R,500#	60 HP	D-off			$121,097	35.33	10.30	13.36	3.62	1.81	267
	P40GV024	T80	STRAIGHT BOOM MAN-LIFT, 86'HT, 70'R,600#	85 HP	D-off			$157,947	46.22	13.58	17.71	4.72	2.56	340
	P40GV025	T86J	STRAIGHT BOOM MAN-LIFT, 92'HT, 76'R,500#	85 HP	D-off			$165,804	48.34	14.25	18.59	4.95	2.56	371
	P40GV026	T110	STRAIGHT BOOM MAN-LIFT,116'HT, 74'R,500#	110 HP	D-off			$227,319	66.10	19.45	25.31	6.79	3.32	397
			TEREX CORPORATION											
	P40TE001	TS25RT	SCISSOR,MAN-LIFT,25'HT,1500#,64X124",4X4	24 HP	G			$32,920	11.88	2.79	3.62	0.98	2.08	58
	P40TE002	TS30RT	SCISSOR,MAN-LIFT,30'HT,2000#,76X160",4X4	39 HP	G			$41,699	16.08	3.56	4.61	1.25	3.37	89
	P40TE003	TA50RT	ARTIC BOOM MAN-LIFT, 55'H, 29'R,500#,4X4	32 HP	D-off			$72,810	21.08	6.18	8.01	2.17	0.97	143
	P40TE004	TA60RT	ARTIC BOOM MAN-LIFT, 66'H, 33'R,500#,4X4	44 HP	D-off			$86,568	25.37	7.29	9.40	2.59	1.33	241

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
P40			*TEREX CORPORATION (continued)*									
	P40TE005	TB42	STRAIGHT BOOM MAN-LIFT, 43'HT, 37'R,650#	66 HP D-off		$56,297	18.00	4.76	6.15	1.68	1.99	131
	P40TE006	TB60	STRAIGHT BOOM MAN-LIFT, 66'HT, 51'R,650#	66 HP D-off		$89,554	27.07	7.56	9.77	2.67	1.99	230
	P40TE007	TB85	STRAIGHT BOOM MAN-LIFT, 86'HT, 70'R,600#	66 HP D-off		$143,644	41.69	12.22	15.85	4.29	1.99	370
	P40TE008	TB100	STRAIGHT BOOM MAN-LIFT, 92'HT, 67'R,500#	76 HP D-off		$164,358	47.70	14.00	18.18	4.91	2.29	393
	P40TE009	TB110	STRAIGHT BOOM MAN-LIFT,116'HT, 74'R,500#	76 HP D-off		$178,968	51.64	15.25	19.82	5.34	2.29	420
	P40TE010	T-292	LINE TRUCK W/ AERIAL 24" X 30" PLATFORM 300# CAP, WORKING HEIGHT 34', REACH 23'	210 HP D-off		$62,773	25.62	5.35	6.95	1.87	6.33	115
	P40TE011	T-38P	LINE TRUCK W/ AERIAL 24" X 30" PLATFORM 300# CAP, WORKING HEIGHT 43', REACH 26'	210 HP D-off		$69,171	27.38	5.86	7.58	2.07	6.33	128
	P40TE012	Digger DerrickC-4	LINE TRUCK, 13.75TON, 45'HYD-BOOM CRANE TILT POLE CLAWS, & 18" DIA AUGER	210 HP D-off		$103,911	36.76	8.85	11.49	3.10	6.33	268
	P40TE013	5FC-52	LINE TRUCK W/ AERIAL 24" X 48" PLATFORM 700# CAP, WORKING HEIGHT 57', REACH 35'	210 HP D-off		$95,122	34.39	8.09	10.50	2.84	6.33	215
	P40TE014	5FC-55	LINE TRUCK W/ AERIAL 24" X 30" PLATFORM 500# CAP, WORKING HEIGHT 60', REACH 38'	210 HP D-off		$96,937	34.87	8.24	10.70	2.89	6.33	248
	P40TE015	6H-65	LINE TRUCK W/ AERIAL 24" X 48" PLATFORM 750# CAP, WORKING HEIGHT 70', REACH 39'	210 HP D-off		$109,820	38.36	9.36	12.15	3.28	6.33	255
P45	**PUMPS, GROUT**											
	SUBCATEGORY 0.00		**PUMPS, GROUT**									
			AIRPLACO									
	P45AF002	HG-5	GROUT PUMP, MANUAL OPERATED PUMP 0-100 PSI, 12 CF/HR			$808	0.24	0.07	0.09	0.02	0.00	1
	P45AF003	HG-8	GROUT PUMP W/5GAL HOPPER,MANUAL OPERATED PUMP, 0-100 PSI, 15 CF/HR			$1,257	0.37	0.11	0.13	0.04	0.00	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
P45			***AIRPLACO (continued)***										
	P45AF007	P-280 HD	PRESSURE GROUT/28 CY/HR CONCRETE PUMPING 18CY/HR SHOTCRETER, 6CY HOPPER,TRAILER MOUNTED (ADD 2"->3" DIA HOSE SIZE)	30 HP	D-off		$24,564	9.65	2.05	2.58	0.76	1.71	25
	P45AF008	HGA-50/GM-30	GROUT PUMP W/30 GAL MIXER & 5 GAL HOPPER 0-250 PSI, 50 CF/HR, SKID MOUNTED ADD 50 CFM AIR COMPRESSSOR & HOSES				$6,798	2.03	0.57	0.72	0.21	0.00	5
	P45AF005	HJ-15 SG	HIGH PRESSURE GROUT PUMP / MUD JACKING / SHOTCRETE, SINGLE CYLINDER PUMP,W/GROUT 30GAL MIXER & 30GAL HOPPER, 0-400PSI, 110 CF/HR, 2" HOSE & TRAILER MOUNTED ADD 200 CFM AIR COMPRESSSOR & HOSES	11 HP	G		$11,588	6.02	0.97	1.21	0.36	1.81	7
	P45AF009	MP-2J6/GM-70DA	GROUT PUMP W/ 2- 70 GAL MIXERS &15 GAL HOPPER,1- 225 PSI,160 CF/HR,SKID MOUNTED ADD 350 CFM AIR COMPRESSSOR & HOSES				$22,030	6.57	1.85	2.34	0.68	0.00	5
	P45AF006	HJ-15 DG	HIGH PRESSURE GROUT PUMP / MUD JACKING / SHOTCRETE, DUAL CYLINDER PUMP, W/GROUT 30 GAL MIXER & 30GAL HOPPER, 0-300PSI, 180 CF/HR, 2" HOSE & TRAILER MOUNTED ADD 200 CFM AIR COMPRESSSOR & HOSES	11 HP	G		$13,164	6.48	1.10	1.37	0.41	1.81	7
	P45AF010	HJ-25	HIGH PRESSURE GROUT PUMP / MUD JACKING / SHOTCRETE, PLASTER MACHINE,DUAL CYLINDER WITH GROUT 45 GAL MIXER & 100GAL HOPPER 0-400PSI,180CF/HR,2"HOSE TRAILER MOUNTED	18 HP	G		$23,589	11.21	1.97	2.48	0.73	2.96	20
	P45AF011	HJ-36 CRG	HIGH PRESSURE GROUT PUMP / MUD JACKING / SHOTCRETE MACHINE, DUAL CYLINDER PUMP WITH GROUT 90 GAL MIXER & 120GAL HOPPER 0-250PSI,250CF/HR,2"HOSE,TRAILER MOUNTED	35 HP	G		$46,428	21.98	3.89	4.91	1.43	5.75	49
			ALLENTOWN PUMP & GUN										
	P45AL015	POWER CRETER	HIGH PRESSURE GROUT PUMP / MUD JACKING / SHOTCRETE MACHINE, DUAL CYLINDER PUMP WITH GROUT 82 GAL MIXER & 75GAL HOPPER 0-1330PSI,3"HOSE,TRAILER MOUNTED	23 HP	G		$40,990	17.57	3.44	4.33	1.27	3.78	32

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			CHEMGROUT INC.									
	P45CG001	CG-050	GROUT PUMP, PORTABLE, 5 GPM, 100 PSI (ADD AIR COMPRESSOR)	15 CFM A		$3,080	0.98	0.27	0.33	0.10	0.00	1
	P45CG002	CG-550P	GROUT PLANT/MIXER, 5 GPM, 100 PSI (ADD AIR COMPRESSOR)	85 CFM A		$5,542	1.75	0.47	0.59	0.17	0.00	3
	P45CG003	CG-500	GROUT PLANT, 1-20 GPM, 100 PSI (ADD AIR COMPRESSOR)	230 CFM A		$15,105	4.66	1.27	1.60	0.47	0.00	11
	P45CG007	CG-570H	THICK MIX PUMP/SPRAYER SYS, 8 GPM, SKID MOUNTED (INCLS AIR COMPR)	16 HP G		$16,171	8.55	1.36	1.72	0.50	2.63	10
	P45CG006	CG-575	THICK MIX PUMP/SPRAYER SYS, 8 GPM, TRAILER MOUNTED (INCLS AIR COMPR)	16 HP G		$17,077	8.80	1.43	1.79	0.53	2.63	15
P50	**PUMPS, WATER, CENTRIFUGAL, TRASH**											
	SUBCATEGORY 0.11		**ENGINE DRIVE**									
			HOMELITE COMPANY, SUBSIDIARY OF DEERE & COMPANY									
	P50HO001	121TP2	2" DIA - 10,400 GPH AT 25' HEAD, TRASH	5 HP G		$1,160	1.43	0.10	0.12	0.04	0.78	1
	P50HO003	120TP3	3" DIA - 19,680 GPH AT 25' HEAD, TRASH	8 HP G		$1,578	2.21	0.13	0.16	0.05	1.25	2
	P50HO005	VTP4	4" DIA - 39,720 GPH AT 25' HEAD, TRASH	16 HP G		$3,298	4.44	0.28	0.33	0.11	2.49	4
			WACKER CORPORATION									
	P50WC001	PT 2A	2" DIA - 205 GPM AT 100' HEAD, TRASH	10 HP G		$1,486	2.63	0.13	0.15	0.05	1.56	1
	P50WC002	PT 3A	3" DIA - 425 GPM AT 95' HEAD, TRASH	15 HP D-off		$1,746	1.67	0.15	0.17	0.06	0.80	2
	P50WC005	PTS 4V	4" DIA - 625 GPM AT 87' HEAD, TRASH	12 HP D-off		$3,964	2.06	0.33	0.40	0.13	0.64	6
	P50WC003	PTS 4V	4" DIA - 705 GPM AT 106' HEAD, TRASH	16 HP D-off		$3,771	2.32	0.31	0.38	0.12	0.85	3
	P50WC004	PT 6LT	6" DIA - 1,300 GPM AT 100' HEAD, TRASH TRAILER MOUNTED	33 HP D-off		$17,012	7.33	1.39	1.70	0.54	1.76	25
	SUBCATEGORY 0.31		**HOSES, PUMP, SUCTION & DISCHARGE**									
			GORMAN-RUPP COMPANY									
	P50GR001		2" DIA X 20' SUCTION/DISCHARGE HOSE, WITH COUPLING (PER SECTION)			$313	0.23	0.05	0.07	0.01	0.00	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
P50			*GORMAN-RUPP COMPANY (continued)*									
	P50GR002		3" DIA X 20' SUCTION/DISCHARGE HOSE, WITH COUPLING (PER SECTION)			$466	0.35	0.07	0.10	0.02	0.00	1
	P50GR003		4" DIA X 20' SUCTION/DISCHARGE HOSE, WITH COUPLING (PER SECTION)			$623	0.46	0.09	0.14	0.02	0.00	1
	P50GR004		6" DIA X 20' SUCTION/DISCHARGE HOSE, WITH COUPLING (PER SECTION)			$1,396	1.03	0.21	0.31	0.05	0.00	1
P55	**PUMPS, WATER, SUBMERSIBLE**											
	SUBCATEGORY 0.01		**ENGINE DRIVE**									
			GRIFFIN DEWATERING									
	P55GF001	4MH	4" DIA JET PUMP, SKID MOUNTED (INCLUDES POWER UNIT) MDL 250	22 HP D-off		$16,981	6.73	1.39	1.70	0.54	1.17	11
	P55GF002	6M	6" DIA JET PUMP, SKID MOUNTED (INCLUDES POWER UNIT) MDL 400	22 HP D-off		$21,508	8.06	1.77	2.15	0.69	1.17	12
	SUBCATEGORY 0.02		**ELECTRIC DRIVE**									
			GORMAN-RUPP COMPANY									
	P55GR001	S2A1	2" DIA - 138 GPM AT 20' HEAD	2 HP E		$2,793	0.93	0.24	0.30	0.09	0.17	2
	P55GR002	S3A1	3" DIA - 278 GPM AT 20' HEAD	5 HP E		$3,647	1.51	0.31	0.39	0.11	0.42	3
	P55GR003	S4A1	4" DIA - 860 GPM AT 40' HEAD	25 HP E		$13,772	6.53	1.16	1.46	0.43	2.09	12
	P55GR004	S6A1	6" DIA - 1,950 GPM AT 40' HEAD	60 HP E		$16,935	11.90	1.42	1.80	0.52	5.02	14
			WACKER CORPORATION									
	P55WC001	STP 400	2" DIA - 66 GPM AT 39' HEAD	1 HP E		$509	0.25	0.05	0.05	0.02	0.08	1
	P55WC002	STP 750	2" DIA - 100 GPM AT 52' HEAD	1 HP E		$898	0.35	0.08	0.10	0.03	0.08	1
P60	**PUMPS, WATER, CENTRIFUGAL, DEWATERING**											
	SUBCATEGORY 0.11		**SKID MOUNTED, ENGINE DRIVE**									
			HOMELITE COMPANY, SUBSIDIARY OF DEERE & COMPANY									
	P60HO002	111S2	2" DIA - 9,000 GPH AT 22' HEAD	4 HP G		$845	0.99	0.07	0.08	0.03	0.54	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
P60			*HOMELITE COMPANY, SUBSIDIARY OF DEERE & COMPANY (continued)*										
	P60HO003	120S3	3" DIA - 17,600 GPH AT 20' HEAD	8 HP	G		$1,374	2.15	0.11	0.14	0.04	1.25	1
			WACKER CORPORATION										
	P60WC001	PG 2	2" DIA. - 159 GPM AT 98' HEAD	4 HP	G		$594	1.05	0.05	0.06	0.02	0.62	1
	P60WC002	PG 3	3" DIA - 264 GPM AT 98' HEAD	6 HP	G		$713	1.50	0.06	0.07	0.02	0.93	1
	SUBCATEGORY 0.21		**WHEEL MOUNTED, ENGINE DRIVE**										
			GRIFFIN DEWATERING										
	P60GF003	250/4"M	4" DIA - 485 GPM AT 60' HEAD, POWER UNIT,	32 HP	D-off		$17,847	7.48	1.45	1.76	0.57	1.71	19
	P60GF008	250/6"T	6" DIA - 1040 GPM AT 60' HEAD, POWER UNIT,	32 HP	D-off		$18,122	7.56	1.48	1.79	0.58	1.71	19
	P60GF004	400/8"T	8" DIA - 1770 GPM AT 60' HEAD, POWER UNIT	61 HP	D-off		$22,880	11.18	1.87	2.27	0.73	3.25	31
	P60GF005	600/10"T	10" DIA - 3410 GPM AT 60' HEAD, POWER UNIT	83 HP	D-off		$27,827	14.31	2.27	2.76	0.89	4.43	34
	P60GF006	800/12"T	12" DIA - 4410 GPM AT 60' HEAD, POWER UNIT	110 HP	D-off		$32,175	17.65	2.62	3.18	1.03	5.87	40
			GORMAN-RUPP COMPANY										
	P60GR001	14C2-F3L	4" DIA - 600 GPM AT 80' HEAD (TRAILER MOUNTED)	47 HP	D-off		$20,878	9.52	1.70	2.06	0.67	2.51	20
	P60GR002	86A2	6" DIA -1825 GPM AT 40' HEAD (TRAILER MOUNTED)	101 HP	G		$22,351	28.42	1.82	2.21	0.71	15.73	20
P65	**PUMPS, WATER, DIAPHRAGM**												
	SUBCATEGORY 0.11		**SKID MOUNTED, ENGINE DRIVE**										
			HOMELITE COMPANY, SUBSIDIARY OF DEERE & COMPANY										
	P65HO001	111DP2-1	2" DIA - 2,000 GPH AT 25' HEAD	4 HP	G		$1,292	1.12	0.11	0.13	0.04	0.54	1
	P65HO002	111DP3-1	3" DIA - 4,800 GPH AT 25' HEAD	4 HP	G		$1,415	1.16	0.12	0.14	0.05	0.54	2

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.21		**WHEEL MOUNTED, ENGINE DRIVE**										
			GORMAN-RUPP COMPANY										
	P65GR001	3D-13	2" DIA SUCTION X 3" DISCHARGE 3,360 GPH AT 25' HEAD, TRAILER MOUNTED	5 HP	G		$2,363	1.73	0.19	0.22	0.08	0.78	2
	P65GR002	3D-B	3" DIA - 3,360 GPH AT 25' HEAD	2 HP	G		$3,039	1.13	0.25	0.29	0.10	0.23	2
	P65GR003	4D-B	4" DIA - 4,440 GPH AT 25' HEAD	3 HP	G		$7,251	2.55	0.59	0.71	0.23	0.47	3
			WACKER CORPORATION										
	P65WC001	PDT 2A	2" DIA - 50 GPM AT 25' HEAD	4 HP	G		$1,755	1.35	0.15	0.18	0.06	0.62	1
	P65WC002	PDT 3A	3" DIA - 88 GPM AT 25' HEAD	4 HP	G		$1,856	1.37	0.16	0.19	0.06	0.62	2
P70	**PUMPS, WATER (FOR CORE DRILLS)**												
	SUBCATEGORY 0.01		**ENGINE DRIVE**										
			ACKER DIVISION, CHRISTENSEN-BOYLES										
	P70AD001	APS 11-5	0.75" DIA - 6 GPM, UP TO 100 PSI	2 HP	G		$1,457	0.82	0.12	0.14	0.05	0.31	2
R10	**RIPPERS & HYDRAULIC BANK SLOPERS(no point wear included)**												
	SUBCATEGORY 0.00		**RIPPERS & HYDRAULIC BANK SLOPERS(no point wear included)**										
			CATERPILLAR, INC.										
	R10CA001	D-3	RIPPER -SCAFIFIER, WITH 5 EACH SHANKS SYSTEM, INCLUDES HYDRAULIC CONTROLS				$5,755	1.69	0.47	0.58	0.18	0.00	8
	R10CA005	D-5C SERIES III	RIPPER -SCAFIFIER, WITH 5 EACH SHANKS & HYD CONTROLS				$5,755	1.69	0.47	0.58	0.18	0.00	8
	R10CA003	D-4C SERIES III	RIPPER -SCAFIFIER, WITH 5 EACH SHANKS & HYD CONTROLS				$5,755	1.69	0.47	0.58	0.18	0.00	8
	R10CA007	D-6R	RIPPER, MULTI SHANK, WITH 3 EACH SHANKS				$16,506	4.69	1.36	1.65	0.53	0.00	16
	R10CA009	D-7R	RIPPER, MULTI SHANK, WITH 3 EACH SHANKS				$27,816	7.85	2.28	2.78	0.89	0.00	44

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
R10			*CATERPILLAR, INC. (continued)*									
	R10CA011	D-8R	RIPPER, SINGLE-SHANK WITH 1 EACH SHANK			$30,607	8.65	2.51	3.06	0.98	0.00	38
	R10CA012	D-8R	RIPPER, MULTI SHANK, WITH 3 EACH SHANKS			$38,465	10.85	3.16	3.85	1.23	0.00	46
	R10CA014	D-9R	RIPPER, SINGLE-SHANK WITH 1 EACH SHANK			$39,125	11.09	3.21	3.91	1.25	0.00	7
	R10CA015	D-9R	RIPPER, MULTI SHANK, WITH 3 EACH SHANKS			$47,232	13.36	3.87	4.72	1.51	0.00	33
	R10CA017	D-10R	RIPPER, SINGLE-SHANK WITH 1 EACH SHANK			$67,867	19.18	5.57	6.79	2.17	0.00	63
	R10CA018	D-10R	RIPPER, MULTI SHANK, WITH 3 EACH SHANKS			$83,932	23.67	6.88	8.39	2.68	0.00	85
	R10CA020	D-11R	RIPPER, SINGLE-SHANK WITH 1 EACH SHANK			$72,662	20.54	5.96	7.27	2.32	0.00	72
	R10CA021	D-11R	RIPPER, MULTI SHANK, WITH 3 EACH SHANKS			$87,000	24.56	7.13	8.70	2.78	0.00	103
R15	**ROLLERS, STATIC, TOWED, PNEUMATIC**											
	SUBCATEGORY 0.00		**ROLLERS, STATIC, TOWED, PNEUMATIC**									
			SOUTHWEST ENGINEERING									
	R15SO001	C-50	60 TON, 9.8" WIDE, 4 TIRES, STATIC			$119,808	23.92	7.96	8.37	3.77	0.00	309
	R15SO002	C-75	75 TON, 10.5" WIDE, 4 TIRES, STATIC			$132,156	26.14	8.45	8.58	4.16	0.00	347
	R15SO003	C-100XL	100 TON, 10.5" WIDE, 4 TIRES, STATIC			$186,145	37.17	12.31	12.90	5.86	0.00	551
R20	**ROLLERS, STATIC, TOWED, STEEL DRUM**											
	SUBCATEGORY 0.00		**ROLLERS, STATIC, TOWED, STEEL DRUM**									
			SOUTHWEST ENGINEERING									
	R20SO001	2DH-RR	60" X 60" TANDEM, TOWED, SHEEPSFOOT			$66,921	14.25	4.79	5.35	2.11	0.00	200

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
R30	**ROLLERS, STATIC, SELF-PROPELLED**											
	SUBCATEGORY 0.01		**PNEUMATIC**									
			BOMAG DIVISION, COMPACTION AMERICA									
	R30BO004	BW11R	13.5 TON, 68.0" WIDE, PNEUMATIC 9 TIRES, HYDROSTATIC, ASPHALT COMPACTOR /ROLLER	80 HP D-off		$75,149	23.88	6.07	7.49	2.32	3.80	90
	R30BO003	BW20R	30.0 TON, 78.2" WIDE, PNEUMATIC 8 TIRES, HYDROSTATIC, ASPHALT COMPACTOR /ROLLER	101 HP D-off		$115,881	35.26	9.52	11.87	3.58	4.80	254
			CATERPILLAR, INC.									
	R30CA010	PS-150B	14.25 TON, 68" WIDE, PNEUMATIC 9 TIRE, HYDROSTATIC, ASPHALT COMPACTOR /ROLLER	70 HP D-off		$69,530	21.77	5.75	7.20	2.15	3.33	85
	R30CA011	PS-200B	20.00 TON, 68" WIDE, PNEUMATIC 9 TIRE, HYDROSTATIC, ASPHALT COMPACTOR /ROLLER	105 HP D-off		$84,423	27.63	7.01	8.80	2.61	4.99	87
	R30CA014	PS-360B	27.55 TON, 90" WIDE, PNEUMATIC 7 TIRE, HYDROSTATIC, ASPHALT COMPACTOR /ROLLER	105 HP D-off		$137,673	41.12	11.31	14.11	4.25	4.99	187
			ROSCO MANUFACTURING COMPANY									
	R30RS003	TRU-PAC 915	6-15 TON, 9 TIRES, 68" WIDE, HYDROSTATIC	75 HP D-off		$68,705	21.80	5.69	7.13	2.12	3.57	110
			SAKAI AMERICA, INC.									
	R30SI002	TS200	16 TON, 81" WIDE, PNEUMATIC 9 TIRES, HYDROSTATIC, ASPHALT COMPACTOR /ROLLER	91 HP D-off		$94,301	29.17	7.83	9.83	2.91	4.33	187
	R30SI003	TS600C	16 TON, 81" WIDE, PNEUMATIC 9 TIRES, HYDROSTATIC, ASPHALT COMPACTOR /ROLLER	95 HP D-off		$116,706	34.98	9.72	12.21	3.61	4.52	187
	R30SI004	TS650C	27 TON, 82" WIDE, PNEUMATIC 7 TIRES, HYDROSTATIC, ASPHALT COMPACTOR /ROLLER	108 HP D-off		$154,697	45.33	12.82	16.07	4.78	5.14	281

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.02		**SMOOTH DRUM**									
			BOMAG DIVISION, COMPACTION AMERICA									
	R30BO005	BW5AS	6.0 TON, 40.4"WIDE,2 SMOOTH STEEL WHEEL HYDROSTATIC, ASPHALT COMPACTOR /ROLLER	50 HP D-off		$65,203	17.26	4.75	5.54	1.98	2.38	94
	R30BO006	BW9AS	10.0 TON, 50" WIDE,2 SMOOTH STEEL WHEEL, HYDROSTATIC, ASPHALT COMPACTOR /ROLLER	80 HP D-off		$80,883	22.53	5.90	6.88	2.46	3.80	140
	R30BO007	BW11AS	14.0 TON, 54" WIDE,2 SMOOTH STEEL WHEEL, HYDROSTATIC, ASPHALT COMPACTOR /ROLLER	70 HP D-off		$77,212	21.10	5.62	6.56	2.34	3.33	215
			ROSCO MANUFACTURING COMPANY									
	R30RS001	DLX ROLLPAC III	1.5 TON, 34" WIDE, DOUBLE DRUM	13 HP G		$10,214	4.58	0.75	0.87	0.31	1.80	14
	R30RS002	STAPAC III	2 TON, 40" WIDE, DOUBLE DRUM	20 HP G		$13,038	6.46	0.96	1.11	0.40	2.77	23
			SAKAI AMERICA, INC.									
	R30SI005	R2H	14.0 TON, 64" WIDE,3 SMOOTH STEEL WHEEL, HYDROSTATIC, ASPHALT COMPACTOR /ROLLER	75 HP D-off		$115,310	29.68	8.40	9.80	3.50	3.57	207
	SUBCATEGORY 0.03		**TAMPING FOOT, LANDFILL & SOIL COMPACTORS**									
			BOMAG DIVISION, COMPACTION AMERICA									
	R30BO009	BC671RB	35TON, 63"DIA,4X4 TAMPING FOOT STEEL WHL WITH STRAIGHT BLADE, SOIL COMPACTOR	338 HP D-off		$472,429	107.24	30.46	31.50	14.71	16.08	710
	R30BO008	BC771RB	40TON, 63"DIA,4X4 TAMPING FOOT STEEL WHL WITH STRAIGHT BLADE, SOIL COMPACTOR	357 HP D-off		$522,404	117.54	33.69	34.83	16.27	16.98	812
			CATERPILLAR, INC.									
	R30CA003	815-F	23TON, 56"DIA,4X4 TAMPING FOOT STEEL WHL WITH STRAIGHT BLADE, SOIL COMPACTOR	220 HP D-off		$307,095	69.72	19.80	20.47	9.56	10.46	456

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
R30			***CATERPILLAR, INC. (continued)***										
	R30CA012	816-F	25 TON, 63" DIA, CHOPPER STEEL WHEELS 4X4, W/SU BLADE, LANDFILL COMPACTOR	220 HP	D-off		$320,174	72.10	20.64	21.34	9.97	10.46	503
	R30CA006	825-G	35TON, 51"DIA,4X4 TAMPING FOOT STEEL WHL WITH STRAIGHT BLADE, SOIL COMPACTOR	315 HP	D-off		$462,789	104.03	29.84	30.85	14.41	14.98	691
	R30CA013	826-G	36.5TON,48"DIA,CHOPPER W/TIP STEEL WHEEL 4X4, W/SU BLADE, LANDFILL COMPACTOR	315 HP	D-off		$500,892	110.99	32.30	33.39	15.60	14.98	794
	R30CA009	836	50TON,55"DIA,CHOPPER W/TIP STEEL WHEELS 4X4, W/SU BLADE, LANDFILL COMPACTOR	473 HP	D-off		$633,958	145.10	40.87	42.26	19.74	22.50	1,020
R40	**ROLLERS, VIBRATORY, TOWED**												
	SUBCATEGORY 0.00		**ROLLERS, VIBRATORY, TOWED**										
			SOUTHWEST ENGINEERING										
	R40SO001	566 SHEEPSFT	25.5 TON, 72" WIDE X 56" DIA	50 HP	D-off		$84,269	25.58	6.91	8.43	2.69	2.67	165
	R40SO002	756 SHEEPSFT	23.5 TON, 78" WIDE X 66" DIA	75 HP	D-off		$122,961	37.49	10.08	12.30	3.93	4.00	169
R45	**ROLLERS, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM**												
	SUBCATEGORY 0.00		**ROLLERS, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM**										
			BOMAG DIVISION, COMPACTION AMERICA										
	R45BO001	BW120AD-3	47.2" WIDE X 26.6" DIA, HYDROSTATIC	33 HP	D-off		$45,104	16.31	3.70	4.51	1.44	1.76	51
	R45BO004	BW120AD-3	2.9TON, 47.2"WIDE X 27.5"DIA, 2X1,SMOOTH DOUBLE DRUMS,VIBRATORY ASPHALT COMPACTOR	33 HP	D-off		$46,865	16.86	3.85	4.69	1.50	1.76	55
	R45BO005	BW138AD	4.6TON, 54.3"WIDE X 31.9"DIA, 2X1,SMOOTH DOUBLE DRUMS,VIBRATORY ASPHALT COMPACTOR	46 HP	D-off		$58,870	21.50	4.83	5.89	1.88	2.45	88
	R45BO006	BW151AD-2	7.8TON 66.1" WIDE X 47.2"DIA, 2X1,SMOOTH DOUBLE DRUMS,VIBRATORY ASPHALT COMPACTOR	74 HP	D-off		$113,820	40.46	9.33	11.38	3.64	3.95	146
	R45BO007	BW161AD-2	10.4TON, 66.1"WIDE X 48" DIA, 2x1,SMOOTH DOUBLE DRUMS,VIBRATORY ASPHALT COMPACTOR	113 HP	D-off		$138,625	51.01	11.36	13.86	4.43	6.03	196

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
R45			***BOMAG DIVISION, COMPACTION AMERICA (continued)***									
	R45BO008	BW202ADH-2	12.6TON,84.0" WIDE X 48" DIA, 2X1,SMOOTH DOUBLE DRUMS,VIBRATORY ASPHALT COMPACTOR	113 HP D-off		$147,169	53.64	12.07	14.72	4.71	6.03	239
			CATERPILLAR, INC.									
	R45CA001	CB-214C	2.5TON,39.4" WIDE X 27.5"DIA, 2X1,SMOOTH DOUBLE DRUMS,VIBRATORY ASPHALT COMPACTOR	37 HP D-off		$39,800	14.99	3.26	3.98	1.27	1.97	44
	R45CA002	CB-224C	2.7TON,47.2"WIDE X 27.5" DIA, 2X1,SMOOTH DOUBLE DRUMS,VIBRATORY ASPHALT COMPACTOR	37 HP D-off		$46,297	16.98	3.80	4.63	1.48	1.97	44
	R45CA005	CB-434C	6.6TON, 56"WIDE X 43.5" DIA, 2X1, SMOOTH DOUBLE DRUMS,VIBRATORY ASPHALT COMPACTOR	70 HP D-off		$115,130	40.57	9.44	11.51	3.68	3.74	137
	R45CA007	CB-534C	10.0 TON, 67" WIDE X 51" DIA, 2X1,SMOOTH DOUBLE DRUMS,VIBRATORY ASPHALT COMPACTOR	107 HP D-off		$143,947	52.18	11.80	14.39	4.60	5.71	216
	R45CA010	CB-634C	13.2 TON, 84" WIDE X 51" DIA, 2X1,SMOOTH DOUBLE DRUMS,VIBRATORY ASPHALT COMPACTOR	145 HP D-off		$172,073	63.68	14.11	17.21	5.50	7.74	269
			INGERSOLL-RAND CONSTRUCTION & MINING									
	R45IN004	DD-65	7.7 TON, 55" WIDE X 41" DIA, HYSTAT	76 HP D-off		$111,814	40.01	9.17	11.18	3.58	4.06	154
	R45IN005	DD-90	10.7 TON, 66" WIDE X 48" DIA, HYSTAT	112 HP D-off		$128,083	47.71	10.51	12.81	4.10	5.98	188
			ROSCO MANUFACTURING COMPANY									
	R45RS001	VIBRASTATT III	2.0 TON, 36" WIDE, DOUBLE DRUM	20 HP G		$14,930	8.98	1.23	1.49	0.48	3.11	27
			SAKAI AMERICA, INC.									
	R45SI007	SW250	1.7 TON, 39.5" WI X 22" DIA, 2X1, SMOOTH DOUBLE DRUMS,VIBRATORY ASPHALT COMPACTOR	14 HP D-off		$32,544	11.03	2.67	3.25	1.04	0.75	16
	R45SI008	SW350	3.0 TON, 47" WIDE X 27" DIA, 2X1, SMOOTH DOUBLE DRUMS,VIBRATORY ASPHALT COMPACTOR	28 HP D-off		$48,818	17.07	4.00	4.88	1.56	1.49	28

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
R45			***SAKAI AMERICA, INC. (continued)***									
	R45SI009	SW650	7.8TON, 58" WIDE X 42" DIA, 2X1, SMOOTH DOUBLE DRUMS,VIBRATORY ASPHALT COMPACTOR	37 HP D-off		$95,407	32.03	7.82	9.54	3.05	1.97	157
	R45SI010	SW850	14.0TON, 79" WIDE X 55" DIA, 2X1, SMOOTH DOUBLE DRUMS,VIBRATORY ASPHALT COMPACTOR	121 HP D-off		$130,117	49.01	10.67	13.01	4.16	6.46	124
R50	**ROLLERS, VIBRATORY, SELF-PROPELLED, SINGLE DRUM**											
	SUBCATEGORY 0.00		**ROLLERS, VIBRATORY, SELF-PROPELLED, SINGLE DRUM**									
			BOMAG DIVISION, COMPACTION AMERICA									
	R50BO005	BW124D	2.9 TON, 47.2" WIDE X 30"DIA, 3X2 SMOOTH SINGLE DRUM, VIBRATORY SOIL COMPACTOR	38 HP D-off		$45,174	15.04	3.51	4.03	1.49	1.45	57
	R50BO006	BW142D	5.5TON, 56.1"WIDE X 41.7"DIA, 3X2 SMOOTH SINGLE DRUM, VIBRATORY SOIL COMPACTOR	54 HP D-off		$76,268	24.72	6.08	7.11	2.52	2.07	106
	R50BO007	BW177D-3	7.9TON, 66.4"WIDE X 48.3"DIA, 3X2 SMOOTH SINGLE DRUM, VIBRATORY SOIL COMPACTOR	77 HP D-off		$109,168	35.37	8.68	10.13	3.61	2.95	139
	R50BO008	BW213D-3	11.5TON, 83.9"WIDE X 88.6"DIA,3X2 SMOOTH SINGLE DRUM, VIBRATORY SOIL COMPACTOR	185 HP D-off		$141,141	50.39	11.18	13.03	4.66	7.08	260
	R50BO009	BW219DH-3	20.6TON, 83.9" WIDE X 63" DIA,3X2 SMOOTH SINGLE DRUM, VIBRATORY SOIL COMPACTOR	181 HP D-off		$210,925	70.10	16.76	19.57	6.97	6.93	407
	R50BO010	BW124PD	2.9TON, 47.2" WIDE X 30" DIA,3X2 PADFOOT SINGLE DRUM, VIBRATORY SOIL COMPACTOR	38 HP D-off		$49,935	16.32	3.97	4.64	1.65	1.45	58
	R50BO011	BW142PD-2	5.8TON, 56.1"WIDE X 41.7"DIA,3X2 PADFOOT SINGLE DRUM, VIBRATORY SOIL COMPACTOR	54 HP D-off		$81,265	26.15	6.48	7.58	2.69	2.07	72
	R50BO012	BW177PDJ-3	8.3TON, 66.4"WIDE X 47.6"DIA,3X2 PADFOOT SINGLE DRUM, VIBRATORY SOIL COMPACTOR	77 HP D-off		$123,279	39.40	9.80	11.46	4.07	2.95	146
	R50BO013	BW213PDH-3	14.1TON,83.9"WIDE X 58.3"DIA,3X2 PADFOOT SINGLE DRUM, VIBRATORY SOIL COMPACTOR	185 HP D-off		$155,287	54.42	12.31	14.35	5.13	7.08	275

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			CATERPILLAR, INC.									
	R50CA001	CS-323C	4.6 TON, 50" WIDE X 40" DIA, 3X2, SMOOTH SINGLE DRUM, VIBRATORY SOIL COMPACTOR	70 HP D-off		$75,724	25.43	6.02	7.03	2.50	2.68	97
	R50CA003	CS-431C	6.9 TON, 66" WIDE X 48" DIA, 3X2, SMOOTH SINGLE DRUM, VIBRATORY SOIL COMPACTOR	105 HP D-off		$92,892	32.25	7.37	8.59	3.07	4.02	138
	R50CA005	CS-433C	7.1 TON, 66" WIDE, 48" DIA, 3X2, SMOOTH SINGLE DRUM, VIBRATORY SOIL COMPACTOR	105 HP D-off		$107,270	36.36	8.52	9.94	3.55	4.02	141
	R50CA009	CS-563D	12.2 TON, 84" WIDE X 60"DIA, 3X2, SMOOTH SINGLE DRUM, VIBRATORY SOIL COMPACTOR	153 HP D-off		$137,912	47.78	10.88	12.64	4.56	5.86	246
	R50CA011	CS-583C	16.5 TON, 84" WIDE X 60"DIA, 3X2, SMOOTH SINGLE DRUM, VIBRATORY SOIL COMPACTOR	145 HP D-off		$171,778	57.01	13.59	15.82	5.68	5.55	246
	R50CA002	CP-323C (PADS)	4.6 TON, 50" WIDE, 40" DIA, 3X2, PADFOOT SINGLE DRUM VIBRATORY SOIL COMPACTOR	70 HP D-off		$87,160	28.70	6.93	8.10	2.88	2.68	104
	R50CA004	CP-433C (PADS)	7.1 TON, 66" WIDE, 48" DIA, 3X2, PADFOOT SINGLE DRUM VIBRATORY SOIL COMPACTOR	105 HP D-off		$118,434	39.54	9.41	10.99	3.91	4.02	146
	R50CA012	CP-563D (PADS)	12.5 TON, 84" WIDE, 60" DIA, 3X2,PADFOOT SINGLE DRUM VIBRATORY SOIL COMPACTOR	153 HP D-off		$162,158	54.70	12.82	14.92	5.36	5.86	269
			INGERSOLL-RAND CONSTRUCTION & MINING									
	R50IN001	SD-40D	4.9 TON, 54" WIDE X 38" DIA., HYDSTAT	76 HP D-off		$78,128	26.45	6.20	7.23	2.58	2.91	96
			SAKAI AMERICA, INC.									
	R50SI006	SV200D	4.6 TON, 49"WIDE X 39" DIA,3X2 SMOOTH SINGLE DRUM, VIBRATORY SOIL COMPACTOR	61 HP D-off		$70,067	23.37	5.54	6.43	2.32	2.34	41
	R50SI007	SV200T (PADS)	4.8 TON, 49"WIDE X 39" DIA, 3X2 PADFOOT SINGLE DRUM, VIBRATORY SOIL COMPACTOR	57 HP D-off		$76,521	24.99	6.05	7.04	2.53	2.18	43

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
R50			***SAKAI AMERICA, INC. (continued)***										
	R50SI022	SV400D	7.7 TON, 67" WIDE X 51"DIA, 3X2 SMOOTH SINGLE DRUM, VIBRATORY SOIL COMPACTOR	138 HP	D-off		$98,261	35.57	7.80	9.10	3.25	5.28	156
	R50SI023	SV400TB (PADS)	9.6 TON, 67" WIDE X 55" DIA,3X2 PADFOOT SINGLE DRUM, VIBRATORY SOIL COMPACTOR	82 HP	D-off		$109,347	35.69	8.68	10.14	3.61	3.14	72
	R50SI013	SV510D-1E	11.5 TON, 84" WIDE X 63" DIA, 3X2 SMOOTH SINGLE DRUM, VIBRATORY SOIL COMPACTOR	138 HP	D-off		$116,979	40.96	9.25	10.76	3.87	5.28	507
	R50SI016	SV510T (PADS)	11.9 TON, 60" WIDE X 63" DIA,3X2 PADFOOT SINGLE DRUM, VIBRATORY SOIL COMPACTOR	118 HP	D-off		$122,577	41.47	9.70	11.29	4.05	4.52	110
	R50SI017	SV510TF (PADS)	14.3 TON, 85" WIDE X 63" DIA,3X2 PADFOOT SINGLE DRUM, VIBRATORY SOIL COMPACTOR	118 HP	D-off		$140,141	46.48	11.10	12.93	4.63	4.52	131
	R50SI024	TW350 Combo	1.5 TON, 39.5" WIDE X 22" DIA,3X2 SMOOTH SINGLE DRUM,VIBRATORY ASPHALT COMPACTOR	28 HP	D-off		$32,977	10.94	2.60	3.01	1.09	1.07	25
	R50SI025	TW500 Combo	3.9 TON, 51" WIDE X 31" DIA, 3X2 SMOOTH SINGLE DRUM,VIBRATORY ASPHALT COMPACTOR	30 HP	D-off		$62,726	19.55	4.97	5.80	2.07	1.15	36
	R50SI026	TW750 Combo	8.7 TON, 66" WIDE X 48" DIA, 3X2 SMOOTH SINGLE DRUM,VIBRATORY ASPHALT COMPACTOR	104 HP	D-off		$124,855	41.30	9.95	11.63	4.13	3.98	100
	R50SI004	TW750	8.8 TON, 66" WIDE X 48" DIA, HYDSTAT	91 HP	D-off		$124,796	40.50	9.93	11.62	4.12	3.48	175
	R50SI027	TW100 Combo	11.4 TON, 85" WIDE X 51" DIA, 3X2 SMOOTH SINGLE DRUM,VIBRATORY ASPHALT COMPACTOR	86 HP	D-off		$185,486	57.62	14.79	17.31	6.13	3.29	221
	R50SI005	TW100	11.5 TON, 85" WIDE X 51" DIA, HYDSTAT	86 HP	D-off		$183,083	56.87	14.60	17.09	6.05	3.29	229
R55	**ROOFING EQUIPMENT**												
	SUBCATEGORY 0.00		**ROOFING EQUIPMENT**										
			AEROIL PRODUCTS										
	R55AE001	EZ LOAD 270	ROOFING KETTLE, 270GAL,W/PUMP &COVER,LPG	8 HP	G		$6,817	6.74	0.69	0.94	0.22	0.83	20

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
R55			***AEROIL PRODUCTS (continued)***										
	R55AE002	EZ LOAD 410	ROOFING KETTLE, 410GAL,W/PUMP &COVER,LPG	8 HP	G		$8,293	8.93	0.83	1.14	0.26	0.83	25
	R55AE003	EZ LOAD 680	ROOFING KETTLE, 680GAL,W/PUMP &COVER,LPG	8 HP	G		$11,239	11.54	1.13	1.53	0.36	0.83	39
	R55AE004	EZ LOAD 1000	ROOFING KETTLE,1000GAL,W/PUMP &COVER,LPG	8 HP	G		$14,895	13.15	1.46	1.97	0.47	0.83	54
	R55AE008	RHINO S PEELER	POWER ROOF PEELER, 16" WIDE BLADE	8 HP	G		$4,823	2.75	0.48	0.65	0.15	0.83	6
	R55AE009	MKI9	ROOF CUTTER, SINGLE BLADE,3.75"CUT DEPTH	9 HP	G		$1,748	1.83	0.19	0.25	0.06	0.93	2
	R55AE010	MK216R	ROOF CUTTER,2BLADE-20" APART,3.75" DEPTH	16 HP	G		$3,204	3.28	0.33	0.45	0.10	1.66	3
			GARLOCK EQUIPMENT COMPANY										
	R55GL017		ROOF CUTTER, MINI SAW	5 HP	G		$1,810	1.31	0.19	0.26	0.06	0.52	2
	R55GL016		ROOF CUTTER, DUST MASTER	9 HP	G		$5,788	3.22	0.59	0.82	0.18	0.93	3
	R55GL011		ROOF CUTTER, 30", DOUBLE SAW, S/P	16 HP	G		$6,190	4.32	0.64	0.88	0.20	1.66	3
	R55GL018		ROOF SCRATCHER	5 HP	G		$1,890	1.34	0.20	0.27	0.06	0.52	1
	R55GL019		ROOF SCRATCHER	8 HP	G		$3,389	2.26	0.35	0.48	0.11	0.83	3
	R55GL009		ROTARY PLANER, 12" PATH	8 HP	G		$2,278	1.87	0.23	0.32	0.07	0.83	2
	R55GL008	MODEL 86	POWER SWEEPER, 42" WIDTH	5 HP	G		$2,861	1.67	0.30	0.41	0.09	0.52	2
	R55GL015	MODEL 1000	HOIST, HYDRAULIC, W/175' CABLE	9 HP	G		$8,563	4.17	0.88	1.21	0.27	0.93	7
	R55GL007	MODEL 1400	HOIST, HYDRAULIC SWING, W/275' CABLE	18 HP	G		$12,050	6.61	1.24	1.71	0.38	1.87	10
	R55GL013	MODEL 30	KETTLE, 30 GAL				$1,329	0.69	0.12	0.16	0.04	0.00	3
	R55GL014	MODEL 85	KETTLE, 85 GAL, SKID				$2,844	1.33	0.29	0.40	0.09	0.00	10
	R55GL001	MODEL 115	KETTLE, 115 GAL				$3,220	1.60	0.32	0.43	0.10	0.00	10
	R55GL002	MODEL 175	KETTLE, 175 GAL, WITH PUMP	5 HP	G		$10,346	4.75	1.05	1.44	0.33	0.52	17
	R55GL012	MODEL 300	KETTLE, 300 GAL, WITH PUMP	9 HP	G		$12,049	6.12	1.22	1.68	0.38	0.93	23
	R55GL003	MODEL 412	KETTLE, 412 GAL, WITH PUMP	9 HP	G		$13,518	6.62	1.37	1.88	0.43	0.93	30
	R55GL004	MODEL 612	KETTLE, 612 GAL, WITH PUMP	9 HP	G		$15,197	7.45	1.54	2.11	0.48	0.93	40

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
S10	**SCRAPERS, ELEVATING**											
	SUBCATEGORY 0.01		**0 THRU 200 HP**									
			CATERPILLAR, INC.									
	S10CA001	613-C SERIES II	11 CY, 13 TON, ELEVATING LOADING, 4X2	175 HP D-off		$242,151	57.57	15.34	15.60	7.54	6.70	335
	S10CA002	615-C SERIES II	17 CY, 19 TON, ELEVATING LOADING, 4X2	265 HP D-off		$376,826	91.54	23.77	24.07	11.73	10.14	526
	S10CA003	623-F	23 CY, 25 TON, ELEVATING LOADING, 4X2	365 HP D-off		$540,326	128.03	34.24	34.82	16.83	13.97	695
			DEERE & COMPANY									
	S10JD001	762B	11 CY, 13.8 TON, ELEVATING LOADING, 4X2	180 HP D-off		$240,902	57.22	15.28	15.55	7.50	6.89	370
	S10JD002	862B	18 CY, 20.4 TON, ELEVATING LOADING, 4X2	268 HP D-off		$367,619	87.51	23.35	23.79	11.45	10.26	482
S15	**SCRAPERS, CONVENTIONAL**											
	SUBCATEGORY 0.00		**SCRAPERS, CONVENTIONAL**									
			CATERPILLAR, INC.									
	S15CA001	621-F	21 CY, 24 TON, STANDARD LOADING, 4X2	365 HP D-off		$472,848	90.23	25.14	21.33	14.47	13.13	680
	S15CA002	631-E SERIES II	31 CY, 37.5TON, STANDARD LOADING, 4X2	450 HP D-off		$717,685	130.24	38.21	32.50	21.96	16.18	959
	S15CA003	651-E	44 CY, 52 TON, STANDARD LOADING, 4X2	594 HP D-off		$927,061	167.44	49.42	42.10	28.37	21.36	1,325
S20	**SCRAPERS, TANDEM POWERED**											
	SUBCATEGORY 0.00		**SCRAPERS, TANDEM POWERED**									
			CATERPILLAR, INC.									
	S20CA001	627-F	21CY,24 TON,TANDEM POWER,STD LOADING,4X4	330 HP D-off	225 HP D-off	$544,003	112.50	28.99	24.68	16.65	20.60	791
	S20CA002	627-F PP	20CY,24TON,T-POWER,PUSH-PULL STD LOADING	330 HP D-off	225 HP D-off	$552,018	113.52	29.42	25.06	16.89	20.60	824

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
S20			*CATERPILLAR, INC. (continued)*									
	S20CA003	637-E SERIES II	31CY,37.5TON,TANDEM POWER,STD LOADNG,4X4	450 HP D-off	250 HP D-off	$904,959	171.90	48.35	41.31	27.69	25.98	1,084
	S20CA004	637-E SERIES II P	31CY,37.5TON,T-POWR,PUSH-PULL STD LOADNG	450 HP D-off	250 HP D-off	$942,928	176.76	50.40	43.10	28.85	25.98	1,117
	S20CA005	657-E	44CY,52 TON,TANDEM POWER,STD LOADING,4X4	550 HP D-off	400 HP D-off	$1,118,054	209.79	59.94	51.45	34.21	35.27	1,519
	S20CA006	657-E PP	44CY,52TON,T-POWER,PUSH-PULL STD LOADING	550 HP D-off	400 HP D-off	$1,184,731	224.32	63.36	54.22	36.25	35.27	1,594
S25	**SCRAPERS, TRACTOR DRAWN**											
	SUBCATEGORY 0.00		**SCRAPERS, TRACTOR DRAWN**									
			DEERE & COMPANY									
	S25JD001	1510C	11 CY, 17 TON, STANDARD LOADING, TOWED (ADD 225 HP, PTO, TRACTOR)			$40,188	8.05	2.44	2.37	1.25	0.00	164
	S25JD002	1814C	14 CY, 23 TON, STANDARD LOADING, TOWED (ADD 360 HP, PTO, TRACTOR)			$50,846	10.44	3.04	2.92	1.58	0.00	193
			REYNOLDS INTERNATIONAL, L.P.									
	S25RI001	14C	TOWED SCRAPER, 10.7-14 CY, 10' CUT WIDTH (ADD TOWING UNIT)	0		$36,748	6.99	2.28	2.27	1.14	0.00	136
	S25RI002	17C	TOWED SCRAPER, 13-17 CY, 12' CUT WIDTH (ADD TOWING UNIT)	0		$42,889	8.08	2.68	2.68	1.34	0.00	170
			ROME PLOW COMPANY									
	S25RM003	R56H	9-12 CY, 12.5 TON, WITH HYDRAULICS (ADD D5 OR D6 TRACTOR)			$95,584	21.92	5.74	5.52	2.98	0.00	203
	S25RM001	R67H	12-17 CY, 17 TON, WITH HYDRAULICS (ADD D6 OR D7H TRACTOR)			$119,378	25.51	7.34	7.24	3.72	0.00	238
	S25RM002	R89H	18-26 CY, 25 TON, WITH HYDRAULICS (ADD D8 OR D9H TRACTOR)			$135,473	29.13	8.28	8.12	4.22	0.00	382

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
S30	**SCREENING & CRUSHING PLANTS**												
	SUBCATEGORY 0.10		**CONVEYORS**										
			KOLBERG MANUFACTURING COMPANY										
	S30KB001	13-2480	STACKING CONVEYOR, 24" W X 80' L MAXIMUM PRODUCTION 750 TONS / HOUR	15 HP	E		$28,681	7.53	2.09	2.50	0.84	0.91	14
	S30KB002	13-24100	STACKING CONVEYOR, 24" W X 100' L MAXIMUM PRODUCTION 750 TONS / HOUR	15 HP	E		$31,514	8.15	2.28	2.72	0.92	0.91	18
	S30KB003	13-3080	STACKING CONVEYOR, 30" W X 80' L MAXIMUM PRODUCTION 1500 TONS / HOUR	25 HP	E		$30,553	8.88	2.22	2.66	0.89	1.51	20
	S30KB004	13-30100	STACKING CONVEYOR, 30" W X 100' L MAXIMUM PRODUCTION 1500 TONS / HOUR	25 HP	E		$35,123	9.89	2.55	3.03	1.03	1.51	25
	S30KB005	13-3680	STACKING CONVEYOR, 36" W X 80' L MAXIMUM PRODUCTION 2000 TONS / HOUR	30 HP	E		$36,498	10.65	2.65	3.15	1.07	1.81	30
	S30KB006	13-36100	STACKING CONVEYOR, 36" W X 100' L MAXIMUM PRODUCTION 2000 TONS / HOUR	40 HP	E		$42,569	12.92	3.10	3.69	1.25	2.42	38
	S30KB034	12-3050	FEEDER CONVEYOR, 30" W X 50' L, 10 CY HOPPER & 8' FEED; 1500 TONS / HOUR VIBRATING FEEDER, 4' 6" GRIZZLY, 36" X 22' END DELIVERY CONVEYOR	15 HP	E		$44,589	10.93	3.25	3.88	1.31	0.91	15
	S30KB035	12-3070	FEEDER CONVEYOR, 30" W X 70' L 10 CY HOPPER & 8' FEED; 1500 TONS / HOUR VIBRATING FEEDER, 4' 6" GRIZZLY, 36" X 22' END DELIVERY CONVEYOR	20 HP	E		$49,633	12.52	3.58	4.25	1.45	1.21	18
	S30KB036	12-3650	FEEDER CONVEYOR, 36" W X 50' L 10 CY HOPPER & 8' FEED; 2000 TONS / HOUR VIBRATING FEEDER, 4' 6" GRIZZLY, 36" X 22' END DELIVERY CONVEYOR	20 HP	E		$47,904	12.11	3.49	4.17	1.40	1.21	16
	S30KB007	31-2480	SIDEFOLDING STACKER CONVEYOR, 24" X 80'L MAXIMUM PRODUCTION 750 TONS / HOUR	15 HP	E		$31,826	8.26	2.24	2.62	0.93	0.91	22

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
S30			***KOLBERG MANUFACTURING COMPANY (continued)***										
	S30KB041	12-3670	FEEDER CONVEYOR, 36" W X 70' L 10 CY HOPPER & 8' FEED; 2000 TONS / HOUR	25 HP	E		$53,871	13.92	3.89	4.61	1.58	1.51	19
	S30KB008	31-24100	SIDEFOLDING STACKER CONVEYOR, 24" X100'L MAXIMUM PRODUCTION 750 TONS / HOUR	15 HP	E		$37,656	9.49	2.67	3.13	1.10	0.91	27
	S30KB009	31-24125	SIDEFOLDING STACKER CONVEYOR, 24" X125'L MAXIMUM PRODUCTION 750 TONS / HOUR	20 HP	E		$40,212	10.56	2.84	3.32	1.18	1.21	33
	S30KB010	31-3080	SIDEFOLDING STACKER CONVEYOR, 30" X 80'L MAXIMUM PRODUCTION 1500 TONS / HOUR	25 HP	E		$33,781	9.66	2.37	2.76	0.99	1.51	32
	S30KB011	31-30100	SIDEFOLDING STACKER CONVEYOR, 30" X100'L MAXIMUM PRODUCTION 1500 TONS / HOUR	25 HP	E		$41,370	11.28	2.92	3.42	1.21	1.51	39
	S30KB013	31-3680	SIDEFOLDING STACKER CONVEYOR, 36" X 80'L MAXIMUM PRODUCTION 2000 TONS / HOUR	30 HP	E		$39,726	11.40	2.80	3.28	1.16	1.81	42
	S30KB012	31-30125	SIDEFOLDING STACKER CONVEYOR, 30" X125'L MAXIMUM PRODUCTION 1500 TONS / HOUR	30 HP	E		$48,384	13.25	3.44	4.04	1.42	1.81	47
	S30KB014	31-36100	SIDEFOLDING STACKER CONVEYOR, 36" X100'L MAXIMUM PRODUCTION 2000 TONS / HOUR	40 HP	E		$48,962	14.34	3.48	4.09	1.43	2.42	59
	S30KB015	31-36125	SIDEFOLDING STACKER CONVEYOR, 36" X125'L MAXIMUM PRODUCTION 2000 TONS / HOUR	50 HP	E		$58,946	17.41	4.22	4.97	1.73	3.02	70
	S30KB018	35-24150	FIXED HEIGHT STACKER CONVEYOR, 24"X150'L MAXIMUM PRODUCTION 750 TONS / HOUR	25 HP	E		$84,871	20.35	6.21	7.46	2.48	1.51	39
	S30KB021	35-30150	FIXED HEIGHT STACKER CONVEYOR, 30"X150'L MAXIMUM PRODUCTION 1500 TONS / HOUR	40 HP	E		$99,883	24.95	7.31	8.78	2.92	2.42	56
	S30KB024	35-36150	FIXED HEIGHT STACKER CONVEYOR, 36"X150'L MAXIMUM PRODUCTION 2000 TONS / HOUR	60 HP	E		$117,372	30.57	8.61	10.33	3.44	3.63	84
	S30KB025	36-24100	ADJUSTABLE HEIGHT RADIAL STACKER, CONVEYOR, 24" WIDE X 100' LONG MAXIMUM PRODUCTION 750 TONS / HOUR	20 HP	E		$60,529	14.72	4.43	5.32	1.77	1.21	52

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
S30			***KOLBERG MANUFACTURING COMPANY (continued)***										
	S30KB026	36-24120	ADJUSTABLE HEIGHT RADIAL STACKER, CONVEYOR, 24" WIDE X 120' LONG MAXIMUM PRODUCTION 750 TONS / HOUR	20 HP	E		$71,971	17.14	5.28	6.34	2.11	1.21	57
	S30KB027	36-24150	ADJUSTABLE HEIGHT RADIAL STACKER, CONVEYOR, 24" WIDE X 150' LONG MAXIMUM PRODUCTION 750 TONS / HOUR	25 HP	E		$90,942	21.62	6.66	8.00	2.66	1.51	65
	S30KB028	36-30100	ADJUSTABLE HEIGHT RADIAL STACKER, CONVEYOR, 30" WIDE X 100' LONG MAXIMUM PRODUCTION 1500 TONS / HOUR	30 HP	E		$62,993	16.21	4.60	5.52	1.84	1.81	64
	S30KB029	36-30120	ADJUSTABLE HEIGHT RADIAL STACKER, CONVEYOR, 30" WIDE X 120' LONG MAXIMUM PRODUCTION 1500 TONS / HOUR	30 HP	E		$84,702	20.77	6.21	7.46	2.48	1.81	71
	S30KB030	36-30150	ADJUSTABLE HEIGHT RADIAL STACKER, CONVEYOR, 30" WIDE X 150' LONG MAXIMUM PRODUCTION 1500 TONS / HOUR	40 HP	E		$107,243	26.51	7.87	9.45	3.14	2.42	82
	S30KB031	36-36100	ADJUSTABLE HEIGHT RADIAL STACKER, CONVEYOR, 36" WIDE X 100' LONG MAXIMUM PRODUCTION 2000 TONS / HOUR	50 HP	E		$89,591	23.72	6.57	7.90	2.62	3.02	82
	S30KB032	36-36120	ADJUSTABLE HEIGHT RADIAL STACKER, CONVEYOR, 36" WIDE X 120' LONG MAXIMUM PRODUCTION 2000 TONS / HOUR	50 HP	E		$107,821	27.56	7.92	9.52	3.16	3.02	93
	S30KB033	36-36150	ADJUSTABLE HEIGHT RADIAL STACKER, CONVEYOR, 36" WIDE X 150' LONG MAXIMUM PRODUCTION 2000 TONS / HOUR	60 HP	E		$125,968	32.38	9.25	11.11	3.69	3.63	110
	S30KB042	1430-15	SINGLE SURGE BIN, 25CY; BELT FEEDER; & 30"W X 40' L, CONVEYOR; 1500 TONS / HOUR	25 HP	E		$60,806	15.25	4.46	5.36	1.78	1.51	18
	S30KB053	1436-25	SINGLE SURGE BIN, 25CY; BELT FEEDER; & 36"W X 40' L, CONVEYOR; 2000 TONS / HOUR	35 HP	E		$66,851	17.50	4.91	5.89	1.96	2.12	20
	S30KB054	1936-2	DOUBLE STORAGE BIN, 25CY; BELT FEEDER; & 30"W X 40' L, CONVEYOR; 1500 TONS / HOUR	25 HP	E		$60,806	15.27	4.43	5.30	1.78	1.51	18
	S30KB043	1936-3	TRIPLE STORAGE BIN, 25CY; BELT FEEDER; & 36"W X 40' L, CONVEYOR; 2000 TONS / HOUR	35 HP	E		$66,851	17.53	4.88	5.84	1.96	2.12	20
	S30KB044	1936-4	FOUR STORAGE BIN, 25CY; BELT FEEDER; & 36"W X 40' L, CONVEYOR; 2000 TONS / HOUR	35 HP	E		$66,851	17.53	4.88	5.84	1.96	2.12	20

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
			PUTZMEISTER INC.										
	S30PU001	TELEBELT TB 50	TRUCK MOUNTED CONVEYOR, 16"X 28' TO 50'L 80 CY/HR OUTPUT WITH 360 DEG ROTATION; HOPPER 0.8 CY WITH FEED CONVEYOR 16" X 27 ' LONG; INCLUDES OUTRIGGERS & TREMIE	215 HP	D-off		$214,683	56.62	15.78	18.98	6.29	8.23	201
	S30PU002	TELEBELT TB 80	TRUCK MOUNTED CONVEYOR, 18"X 35' TO 80'L 360 CY/HR OUTPUT WITH 360 DEG ROTATION; HOPPER 0.8 CY WITH FEED CONVEYOR 16" X 35 ' LONG; INCLUDES OUTRIGGERS & TREMIE	350 HP	D-off		$316,330	85.27	23.22	27.92	9.26	13.40	332
	S30PU003	TELEBELT TB 10	TRUCK MOUNTED CONVEYOR, 18"X 40'TO 105'L 360 CY/HR OUTPUT WITH 360 DEG ROTATION; HOPPER 3 CY WITH FEED CONVEYOR 18" X 40 ' LONG; INCLUDES OUTRIGGERS & TREMIE	350 HP	D-off		$479,587	119.58	35.29	42.50	14.04	13.40	592
			TELSMITH										
	S30TS001	PTC 24IN X 50FT	TRUSS FRAME CONVEYOR, 24" W X 50' L MAXIMUM PRODUCTION 750 TONS / HOUR	10 HP	E		$37,149	8.84	2.70	3.22	1.09	0.60	10
	S30TS002	PTC 24IN X 70FT	TRUSS FRAME CONVEYOR, 24" W X 70' L MAXIMUM PRODUCTION 750 TONS / HOUR	15 HP	E		$41,411	10.27	3.00	3.58	1.21	0.91	13
	S30TS003	PTC 30IN X 50FT	TRUSS FRAME CONVEYOR, 30" W X 50' L MAXIMUM PRODUCTION 1500 TONS / HOUR	10 HP	E		$39,097	9.28	2.83	3.38	1.14	0.60	12
	S30TS004	PTC 30IN X 70FT	TRUSS FRAME CONVEYOR, 30" W X 70' L MAXIMUM PRODUCTION 1500 TONS / HOUR	20 HP	E		$44,097	11.33	3.19	3.80	1.29	1.21	17
	S30TS005	PTC 36IN X 50FT	TRUSS FRAME CONVEYOR, 36" W X 50' L MAXIMUM PRODUCTION 2000 TONS / HOUR	20 HP	E		$41,548	10.78	3.02	3.59	1.22	1.21	19
	S30TS006	PTC 36IN X 70FT	TRUSS FRAME CONVEYOR, 36" W X 70' L MAXIMUM PRODUCTION 2000 TONS / HOUR	20 HP	E		$47,449	12.06	3.43	4.08	1.39	1.21	26
	S30TS007	PTC 42IN X 50FT	TRUSS FRAME CONVEYOR, 42" W X 50' L MAXIMUM PRODUCTION 3000 TONS / HOUR	20 HP	E		$42,181	10.93	3.05	3.63	1.23	1.21	25

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
S30			***TELSMITH (continued)***										
	S30TS008	PTC 42IN X 70FT	TRUSS FRAME CONVEYOR, 42" W X 70' L MAXIMUM PRODUCTION 3000 TONS / HOUR	25 HP	E		$48,979	12.89	3.53	4.20	1.43	1.51	25
	SUBCATEGORY 0.20		**CRUSHERS - VERTICAL & HORIZONTAL SHAFT IMPACTOR**										
			HEWITT-ROBINS										
	S30HW001	MODEL 13654V	PRIMARY CRUSHING PLANT, IMPACTOR 36"X54" SINGLE ROTOR IMPACT CRUSHER, 250 TPH 3' X 16' FEEDER & 4' GRIZZLY, 24"X 8' REJECTION CONVEYOR; 36" X 37' DISCHARGE SCREENS OR SECONDARY CRUSHING PLANTS	250 HP	E		$286,350	57.65	13.07	10.15	7.99	15.11	804
	S30HW002	MODEL 14866V	PRIMARY CRUSHING PLANT, IMPACTOR 48"X66" SINGLE ROTOR IMPACT CRUSHER, 350 TPH 4' X 16' FEEDER & 6' GRIZZLY, 30"X 9.5' REJECTION CONVEYOR; 48" X 43' DISCHARGE SCREENS OR SECONDARY CRUSHING PLANTS	350 HP	E		$387,444	79.25	17.68	13.73	10.81	21.16	1,280
	S30HW013	MODEL H4832S	SECONDARY CRUSHING PLANT, HAMMERMILL MAX. 500 TON PER HOUR; 3' X 37' FEED CONVEYOR; TO THE 5' W X 16'L VIB HORZ. TRIPLE DECK SCREEN; DROP TO A 36"X30' RETURN CONVEYOR & ROTOR LIFT; TRAILER	450 HP	E		$343,859	83.40	15.70	12.22	9.59	27.20	600
			KOLBERG MANUFACTURING COMPANY										
	S30KB045	CS-4250	PRIMARY CRUSHING PLANT, IMPACTOR,42"X52" MAXIMUM 500 TONS/ HOUR; VIBRATING FEEDER, 18' LONG X 42" WIDE, WITH ADJ. GRIZZLY & BYPASS; FEEDING TO MODEL 616 E3 SCREENING PORTABLE PLANT	360 HP	D-off		$415,215	67.21	19.00	14.82	11.59	13.78	548
			TELSMITH										
	S30TS009	4246	PRIMARY IMPACT CRUSHER, 600 TON/HR MAX CAPACITY	300 HP	E		$254,458	61.09	11.68	9.16	7.10	18.14	595
	S30TS010	4856	PRIMARY IMPACT CRUSHER, 1100 TON/HR MAX CAPACITY	400 HP	E		$376,699	85.76	17.29	13.56	10.51	24.18	942

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
S30			***TELSMITH (continued)***										
	S30TS011	6071	PRIMARY IMPACT CRUSHER, 2100 TON/HR MAX CAPACITY, 2 EA 400 HP MOTOR	800 HP	E		$633,026	157.61	29.06	22.79	17.66	48.36	1,950
	SUBCATEGORY 0.21		**CRUSHERS - CONE**										
			KOLBERG MANUFACTURING COMPANY										
	S30KB046	1200 LS	SECONDARY CRUSHING PLANT, CONE MAX. 120 TPH(3/8" AGG)-> 250TPH(1" AGG) IMPACT CRUSHER, 42" X 50" WITH HOPPER; THAT DROP TO A END DELIVERY CONVEYOR CRUSHING PLANT; AND FEED CONVEYORS	210 HP	E		$414,111	72.58	18.95	14.80	11.55	12.69	550
	S30KB047	1400 LS	SECONDARY CRUSHING PLANT, CONE MAX. 630TPH(1" AGG)->1050TPH(2-1/2" AGG) IMPACT CRUSHER, 42" X 50" WITH HOPPER; THAT DROP TO A END DELIVERY CONVEYOR CRUSHING PLANT; AND FEED CONVEYORS	315 HP	E		$355,320	75.24	16.25	12.68	9.91	19.04	950
	SUBCATEGORY 0.22		**CRUSHERS - JAW**										
			HEWITT-ROBINS										
	S30HW005	MODEL J1524PF	CRUSHING PLANT, JAW 15' x 24" MAX. 21 TPH (1" AGG) -> 54TPH (3" AGG) 2.5' X 8' FEEDER & 2' GRIZZLY; TO A 15" X 24" JAW CRUSHER; TO A 24"W X 20'L SCREENS OR SECONDARY CRUSHING PLANTS	40 HP	E		$152,877	19.17	6.98	5.41	4.27	2.42	86
	S30HW006	MODEL J1536V	CRUSHING PLANT, JAW 15" x 36" MAX. 45 TPH (1-1/2"AGG)->150TPH (6" AGG) 3' X 14' FEEDER & 4' GRIZZLY; TO A 15" X 36" JAW CRUSHER; TO A 30"W X 31'L SCREENS OR SECONDARY CRUSHING PLANTS	100 HP	E		$254,364	34.82	11.63	9.05	7.10	6.05	128
	S30HW007	MODEL J2036V	PRIMARY CRUSHING PLANT, JAW 20" x 36" MAX. 65 TPH (2" AGG) -> 223 TPH (7" AGG) 3' X 14' FEEDER & 4' GRIZZLY; TO A 20" X 36" JAW CRUSHER; TO A 30"W X 31'L SCREENS OR SECONDARY CRUSHING PLANTS	125 HP	E		$276,330	39.35	12.63	9.84	7.71	7.56	128

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
S30			***HEWITT-ROBINS (continued)***										
	S30HW008	MODEL J2436V	PRIMARY CRUSHING PLANT, JAW 24" x 36" MAX. 95 TPH (2-1/2"AGG)-> 230TPH(6" AGG) 3' X 14' FEEDER & 4' GRIZZLY; TO A 24" X 36" JAW CRUSHER; TO A 30"W X 31'L SCREENS OR SECONDARY CRUSHING PLANTS	125 HP	E		$288,659	40.55	13.20	10.29	8.05	7.56	128
	S30HW009	MODEL J2142V	PRIMARY CRUSHING PLANT, JAW 21" X 42" MAX. 183 TPH (4" AGG) -> 345TPH (8" AGG) 3.5' X 16' FEEDER & 4' GRIZZLY; TO A 21" X 42" JAW CRUSHER, TO A 36"W X 34'L SCREENS OR SECONDARY CRUSHING PLANTS	150 HP	E		$299,524	44.23	13.68	10.63	8.36	9.07	152
	S30HW010	MODEL J3042V	PRIMARY CRUSHING PLANT, JAW 30" X 42" MAX. 200 TPH (4" AGG) -> 390TPH (8" AGG) 3.5' X 16' FEEDER & 6' GRIZZLY; TO A 30" X 42" JAW CRUSHER; TO A 36"W X 55'L SCREENS OR SECONDARY CRUSHING PLANTS	200 HP	E		$364,752	55.46	16.66	12.96	10.18	12.09	156
	S30HW011	MODEL J2248V	PRIMARY CRUSHING PLANT, JAW 22" X 48" MAX. 115 TPH(2-1/2" AGG)->240TPH(6" AGG) 4' X 16' FEEDER & 4' GRIZZLY; TO A 22" X 48" JAW CRUSHER; TO A 48"W X 37'L SCREENS OR SECONDARY CRUSHING PLANTS	200 HP	E		$357,743	54.94	16.32	12.68	9.98	12.09	168
	S30HW012	MODEL J3048V	PRIMARY CRUSHING PLANT, JAW 30" X 48" MAX. 340 TPH (5" AGG)-> 615TPH (10" AGG) 4' X 16' FEEDER & 4' GRIZZLY; TO A 30" X 48" JAW CRUSHER; TO A 48"W X 37'L SCREENS OR SECONDARY CRUSHING PLANTS	200 HP	E		$422,572	61.42	19.29	14.99	11.79	12.09	168
			KOLBERG MANUFACTURING COMPANY										
	S30KB055	CS-1536	PRIMARY CRUSHING PLANT, JAW 15" X 36" MAX. 45 TPH(1-1/2" AGG)-> 150TPH(6" AGG) VIBRATING FEEDER, 14' LONG X 36" WIDE, WITH ADJ. GRIZZLY & BYPASS; FEEDING TO SECONDARY CRUSHING PLANTS	180 HP	D-off		$293,006	38.39	13.40	10.44	8.18	6.89	548
	S30KB056	CS-2036	PRIMARY CRUSHING PLANT, JAW 20" X 36" MAX. 65 TPH (2" AGG) -> 223TPH (7" AGG) VIBRATING FEEDER, 14' LONG X 36" WIDE, WITH ADJ. GRIZZLY & BYPASS; FEEDING TO SECONDARY CRUSHING PLANTS	180 HP	D-off		$301,887	39.25	13.80	10.76	8.42	6.89	590

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
S30			***KOLBERG MANUFACTURING COMPANY (continued)***										
	S30KB057	CS-2436	PRIMARY CRUSHING PLANT, JAW 24" X 36" MAX. 95 T/HR(2-1/2" AGG)-> 230TPH(6"AGG) VIBRATING FEEDER, 16' LONG X 36" WIDE, WITH ADJ. GRIZZLY & BYPASS; FEEDING TO SECONDARY CRUSHING PLANTS	223 HP	D-off		$342,118	45.43	15.66	12.21	9.55	8.54	701
	S30KB058	1524-2416 DUPLE	CRUSHING & SCREEN PLANT, JAW 15" X 36" MAX. 200 TPH (1/4" AGG)-> 250TPH(6" AGG) VIBRATING FEEDER, 14' LONG X 36" WIDE, WITH ADJ. GRIZZLY & BYPASS; FEEDING TO WATER TANK IF NEEDED	250 HP	E		$296,313	53.28	13.56	10.58	8.27	15.11	391
	S30KB059	2036-3024 DUPLE	CRUSHING & SCREEN PLANT, JAW 20" X 36" MAX. 270 TPH (1/4" AGG)->320TPH (7" AGG) RECIPROCATING PLATE FEEDER, 14' L X X 36" W, WITH 12' LONG ADJ. GRIZZLY & ADD 300 KW GENERATOR; & MAYBE WATER TANK	300 HP	E		$463,940	74.58	21.24	16.57	12.95	18.14	415
	SUBCATEGORY 0.30		**SCREENING PLANT**										
			HEWITT-ROBINS										
	S30HW014	V-11 6X16FT, DD	SCREENING PLANT, 6' W X 16' L, VIB SLOPE DOUBLE DECK SCREENS; 36"X 16.5" UNDER SCREEN CONVEYOR; 7 CY HOPPER AND FEEDER; TRAILER MOUNTED, ADD CRUSHER; FEED & RETURN TO CRUSHER & STACKING CONVEYORS	15 HP	E		$111,338	26.31	8.20	9.87	3.26	0.91	101
	S30HW016	V-11 6X20FT, DD	SCREENING PLANT, 6' W X 20' L, VIB SLOPE DOUBLE DECK SCREENS; 36"X 16.5" UNDER SCREEN CONVEYOR; 7 CY HOPPER AND FEEDER; TRAILER MOUNTED, ADD CRUSHER; FEED & RETURN TO CRUSHER & STACKING CONVEYORS	20 HP	E		$115,866	27.78	8.53	10.27	3.39	1.21	115
	S30HW015	V-11 6X16FT, TD	SCREENING PLANT, 6' W X 16' L, VIB SLOPE TRIPLE DECK SCREENS; 36"X 16.5 UNDER SCREEN CONVEYOR; 7 CY HOPPER AND FEEDER; TRAILER MOUNTED, ADD CRUSHER; FEED & RETURN TO CRUSHER & STACKING CONVEYORS	25 HP	E		$122,517	29.75	9.03	10.87	3.59	1.51	138

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
S30			***HEWITT-ROBINS (continued)***										
	S30HW017	V-11 6X20FT, TD	SCREENING PLANT, 6' W X 20' L, VIB SLOPE TRIPLE DECK SCREENS; 36"X 16.5" UNDER SCREEN CONVEYOR; 7 CY HOPPER AND FEEDER; TRAILER MOUNTED, ADD CRUSHER; FEED & RETURN TO CRUSHER & STACKING CONVEYORS	25 HP	E		$124,870	30.28	9.21	11.09	3.66	1.51	167
	S30HW018	V-11 8X20FT, TD	SCREENING PLANT, 8' W X 20' L, VIB SLOPE TRIPLE DECK SCREENS; 48"X 15.5" UNDER SCREEN CONVEYOR; 7 CY HOPPER AND FEEDER; TRAILER MOUNTED, ADD CRUSHER; FEED & RETURN TO CRUSHER & STACKING CONVEYORS	40 HP	E		$148,820	37.15	10.90	13.08	4.36	2.42	243
			KOLBERG MANUFACTURING COMPANY										
	S30KB048	616 E-3	SCREENING PLANT, 6' W X 16' L, VIB SLOPE TRIPLE DECK SCREENS; HOPPER & FEEDER CONVEYOR 36"W X 28.5' L; TO SCREENS WITH UNDER SCREEN CONVEYOR 36" W X 18' L; & & RETURN TO CRUSHER & STACKING CONVEYORS	80 HP	E		$139,083	38.75	10.25	12.36	4.07	4.84	280
	S30KB049	620 E-3	SCREENING PLANT, 6' W X 20' L, VIB SLOPE TRIPLE DECK SCREENS; HOPPER & FEEDER CONVEYOR 42"W X 34' L; TO SCREENS WITH UNDER SCREEN CONVEYOR 60" W X 25' L; & TO CRUSHER & STACKING CONVEYORS	90 HP	E		$142,647	41.65	10.07	11.77	4.18	5.44	355
	S30KB050	1822	WASHING / SCREENING PLANT, 6' W X 16'L VIB, SLOPE, TRIPLE DECK SCREENS; HOPPER& 3 PRODUCT CHUTES & ONE FINES CHUTE TO A CLASSIFYING TANK 8'W X 32' L WITH 36" RETURN TO CRUSHER & STACKING CONVEYORS	250 HP	E		$190,091	66.26	14.05	16.95	5.57	15.11	416
	S30KB051	1830	WASHING / SCREENING PLANT, 6' W X 20'L VIB, SLOPE, TRIPLE DECK SCREENS; HOPPER& 3 PRODUCT CHUTES & ONE FINES CHUTE TO A CLASSIFYING TANK 8'W X 32' L WITH 44" RETURN TO CRUSHER & STACKING CONVEYORS	250 HP	E		$241,577	77.70	17.86	21.58	7.07	15.11	420

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
S30			***KOLBERG MANUFACTURING COMPANY (continued)***										
	S30KB052	7208-32 S/P	CLASSIFYING TANK PLANT (SAND SORT) HOPPER & CLASSIFYING TANK 8'W X 32' L WITH 44" DIA SLOPED SCREW & CHUTE; TRAILER MOUNTED; ADD WATER; FEEDER AND PRODUCT CONVEYORS; 175 TON PER HOUR	250 HP	E		$241,731	77.73	17.91	21.65	7.08	15.11	450
			READ CORPORATION										
	S30RA001	RD 25B	GRIZZLY-SINGLE SCREEN, 40CY/HR, TRL MTD	24 HP	D-off		$45,137	11.30	3.34	4.03	1.32	0.92	113
	S30RA002	CV 40D	GRIZZLY-SINGLE SCREEN, 120CY/HR, TRL MTD	25 HP	D-off		$66,721	16.16	4.94	5.97	1.95	0.96	130
	S30RA003	CV 90D	GRIZZLY-SINGLE SCREEN, 200CY/HR, TRL MTD	49 HP	D-off		$103,344	25.58	7.65	9.23	3.03	1.88	195
	S30RA004	CV 150D	GRIZZLY-SINGLE SCREEN, 320CY/HR, TRL MTD	49 HP	D-off		$133,908	32.38	9.91	11.98	3.92	1.88	241
S35	**SNOW REMOVAL EQUIPMENT**												
	SUBCATEGORY 0.00		**SNOW REMOVAL EQUIPMENT**										
			AMERICAN ROAD MACHINERY										
	S35AR001	112	REVERSIBLE SNOW PLOW (ADD DUMP TRK)				$2,962	0.77	0.24	0.30	0.09	0.00	15
	S35AR002	713	1-WAY TRIP SNOW PLOW (ADD DUMP TRK)				$4,462	1.17	0.37	0.45	0.14	0.00	20
S40	**SOIL & ROAD STABILIZERS**												
	SUBCATEGORY 0.00		**SOIL & ROAD STABILIZERS**										
			BOMAG DIVISION, COMPACTION AMERICA										
	S40BO002	MPH-100 RECYC	12" DEEP X 79" WIDE, HYDROSTATIC, 4X2	360 HP	D-off		$297,339	125.61	29.49	39.47	9.75	15.03	339
	S40BO003	MPH-100 STABILI	14" DEEP X 79" WIDE, HYDROSTATIC, 4X2	360 HP	D-off		$302,681	127.49	30.02	40.18	9.93	15.03	339
	S40BO004	MPH-100 S-DM	21" DEEP X 79" WIDE, HYDROSTATIC, 4X2	360 HP	D-off		$288,133	122.36	28.57	38.24	9.45	15.03	339

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			CATERPILLAR, INC.									
	S40CA001	RR-250	12" DEEP X 96" WIDE, HYDROSTATIC, 4X2	335 HP D-off		$306,323	127.38	30.39	40.67	10.05	13.99	357
	S40CA002	SS-250	18" DEEP X 96" WIDE, HYDROSTATIC, 4X2	335 HP D-off		$279,259	117.80	27.46	36.59	9.16	13.99	331
S45	**SPLITTERS, ROCK & CONCRETE**											
	SUBCATEGORY 0.00		**SPLITTERS, ROCK & CONCRETE**									
			ELCO INTERNATIONAL, INC.									
	S45DA004	02A-9	220 TON, S FORCE, SIZE 9, 1.75" DIA, 2 GAL, 18" DEEP HOLE REQ'D (ADD COMPR)	80 CFM A		$15,244	6.06	1.52	2.03	0.50	0.00	1
	S45DA005	02-9	220 TON, S FORCE, SIZE 9, 1.75" DIA, 5 GAL, 18" DEEP HOLE REQ'D (ADD COMPR)	80 CFM A		$15,788	6.27	1.58	2.11	0.52	0.00	1
	S45DA006	02A-12	385 TON, S FORCE, SIZE 12, 1.75" DIA, 2 GAL, 26" DEEP HOLE REQ'D (ADD COMPR)	80 CFM A		$15,420	6.14	1.54	2.06	0.51	0.00	1
	S45DA007	02-12	385 TON, S FORCE, SIZE 12, 1.75" DIA, 5 GAL, 26" DEEP HOLE REQ'D (ADD COMPR)	80 CFM A		$15,964	6.33	1.59	2.13	0.52	0.00	1
T10	**TRACTOR BLADES & ATTACHMENTS**											
	SUBCATEGORY 0.00		**TRACTOR BLADES & ATTACHMENTS**									
			CATERPILLAR, INC.									
	T10CA001	D3-61-9722	BLADE, POWER ANGLE TILT, DOZER, 1.65 CY 1.65 CY			$11,843	2.64	0.85	0.95	0.37	0.00	22
	T10CA002	D3-PA 30B	POWER WINCH, FOR D3 (W/250' CABLE)			$17,686	3.91	1.27	1.41	0.56	0.00	21
	T10CA004	D4-104-5683	BLADE, ANGLE, HYDRAULIC, DOZER,D4 2.17CY FOR D4, 2.17 CY			$13,107	2.91	0.94	1.05	0.41	0.00	24
	T10CA005	D4-PA 30B	POWER WINCH, FOR D4 (W/250' CABLE)			$17,686	3.91	1.27	1.41	0.56	0.00	21
	T10CA007	D5-A C	BLADE, POWER ANGLE, HYDRAULIC, DOZER FOR D5, 2.53 CY			$15,220	3.38	1.09	1.22	0.48	0.00	26
	T10CA008	D5-PA 30B	POWER WINCH, FOR D5 (WITH CABLE)			$17,686	3.91	1.27	1.41	0.56	0.00	21
	T10CA009	D6-108-3970	BLADE, STRAIGHT, HYDRAULIC, DOZER FOR D6R, 5.09 CY			$24,234	5.32	1.73	1.94	0.76	0.00	58
	T10CA010	D6-108-3982	BLADE, ANGLE, HYDRAULIC, DOZER FOR D6R, 4.16 CY			$22,713	5.00	1.63	1.82	0.72	0.00	60

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

	REGION 9			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES ($/HR)		ADJUSTABLE ELEMENTS			
CAT	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	1998 ($)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
T10			***CATERPILLAR, INC. (continued)***									
	T10CA011	D6-PA56 WENCH	POWER WINCH, FOR D6 (WITH CABLE)			$27,419	6.01	1.96	2.19	0.86	0.00	4
	T10CA012	D7-S	BLADE, STRAIGHT, HYDRAULIC, DOZER FOR D7, 6.75 CY			$37,051	8.10	2.65	2.96	1.17	0.00	77
	T10CA013	D7-U	BLADE, UNIVERSAL, HYDRAULIC, DOZER FOR D7, 10.09 CY			$40,689	8.89	2.91	3.26	1.28	0.00	86
	T10CA014	D7-A	BLADE, ANGLE, HYDRAULIC, DOZER FOR D7, 5.08 CY			$33,896	7.42	2.43	2.71	1.07	0.00	78
	T10CA015	D7-PA57 WINCH	POWER WINCH, FOR D7 (W/ CABLE)			$35,179	7.71	2.52	2.81	1.11	0.00	8
	T10CA016	D8-SU	BLADE, SEMI-UNIVERSAL, HYDRAULIC, DOZER FOR D8 , 6.09 CY			$44,592	9.77	3.19	3.57	1.40	0.00	96
	T10CA017	D8-U	BLADE, UNIVERSAL, HYDRAULIC, DOZER FOR D8, 15.30 CY			$48,328	10.59	3.46	3.87	1.52	0.00	106
	T10CA018	D8-A	BLADE, ANGLE, HYDRAULIC, DOZER FOR D8, 6.09 CY			$42,869	9.41	3.07	3.43	1.35	0.00	108
	T10CA019		BLADE, PUSH PLATE FOR D8			$1,228	0.32	0.09	0.10	0.04	0.00	5
	T10CA020	D8, PA58VS WIN	POWER WINCH, FOR D8 (WITH CABLE)			$35,877	7.91	2.57	2.87	1.13	0.00	33
	T10CA021	D9-SU	BLADE, SEMI-U, HYDRAULIC, DOZER FOR D9, 17.70 CY			$65,599	14.39	4.70	5.25	2.07	0.00	145
	T10CA022	D9-U	BLADE, UNIVERSAL,HYDRAULIC, DOZER FOR D9, 21.40 CY			$71,216	15.60	5.09	5.70	2.24	0.00	158
	T10CA023	D9, PA59 WINCH	POWER WINCH, FOR D9 DOZER (WITH CABLE)			$44,829	9.90	3.21	3.59	1.41	0.00	5
	T10CA024	D10-SU	BLADE, SEMI-U, HYDRAULIC, DOZER FOR D10, 24.20 CY			$91,176	20.00	6.52	7.29	2.87	0.00	244
	T10CA025	D10-U	BLADE, UNIVERSAL, HYDRAULIC, DOZER FOR D10, 28.70 CY			$98,566	21.62	7.05	7.89	3.10	0.00	270
	T10CA026	D11-SU	BLADE, SEMI-U, HYDRAULIC, DOZER FOR D11, 35.50 CY			$139,893	30.66	10.00	11.19	4.40	0.00	367
	T10CA027	D11-U	BLADE, UNIVERSAL, HYDRAULIC, DOZER FOR D11, 45.00 CY			$150,955	33.09	10.79	12.08	4.75	0.00	423
			DEERE & COMPANY									
	T10JD001	915 V-RIPPER	5X7 V SHAPED DEEP TILLER , 175" WIDE, 7 SHANKS(ADD UP TO 200 PTO HP TRACTOR)			$10,366	2.26	0.73	0.80	0.33	0.00	17

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
			LELY CORPORATION									
	T10LE001	200-15	POWER HARROW, 80" WIDE ROTERRA (ADD 40 HP TRACTOR, PTO)			$6,995	1.51	0.50	0.56	0.22	0.00	13
	T10LE002	250-15	POWER HARROW, 100" WIDE ROTERRA (ADD 45 HP TRACTOR, PTO)			$7,907	1.71	0.57	0.63	0.25	0.00	15
	T10LE003	300-20	POWER HARROW, 120" WIDE ROTERRA (ADD 50 HP TRACTOR, PTO)			$8,570	1.86	0.62	0.69	0.27	0.00	17
	T10LE004	350-35	POWER HARROW, 140" WIDE ROTERRA (ADD 60 HP TRACTOR, PTO)			$14,591	3.16	1.05	1.17	0.46	0.00	27
	T10LE005	400-35	POWER HARROW, 160" WIDE ROTERRA (ADD 75 HP TRACTOR, PTO)			$16,264	3.52	1.16	1.30	0.51	0.00	29
T15	**TRACTORS, CRAWLER (DOZER) (includes blade)**											
	SUBCATEGORY 0.01		**0 THRU 225 HP**									
			CATERPILLAR, INC.									
	T15CA002	D-3C SERIES III L	LOW GROUND PRESSURE, SEMI-U 1.64CY BLADE	70 HP D-off		$87,990	23.88	5.50	5.13	2.93	2.92	170
	T15CA020	D-4C SERIES III	POWERSHIFT WITH SEMI-U 2.18 CY BLADE	80 HP D-off		$91,073	25.19	5.70	5.31	3.04	3.34	161
	T15CA005	D-4C SERIES III L	LOW GROUND PRESSURE, SEMI-U 2.18CY BLADE	80 HP D-off		$102,950	27.83	6.44	6.01	3.43	3.34	171
	T15CA021	D-5C SERIES III	POWERSHIFT, POWER ANGLE 2.50 CY BLADE	90 HP D-off		$104,601	28.82	6.54	6.10	3.49	3.76	187
	T15CA022	D-5C SERIES III L	LOW GROUND PRESSURE,P-ANGLE 2.50CY BLADE	90 HP D-off		$113,857	30.88	7.12	6.64	3.80	3.76	196
	T15CA024	D-5M XL	POWERSHIFT WITH SEMI-U 3.37 CY BLADE	100 HP D-off		$144,356	38.29	9.02	8.42	4.81	4.18	270
	T15CA008	D-6M XL	POWERSHIFT WITH SEMI-U 5.60 CY BLADE	140 HP D-off		$185,266	49.86	11.59	10.81	6.18	5.85	321
	T15CA023	D-6R	POWERSHIFT, SEMI-U 5.09CY BLADE	165 HP D-off		$207,016	56.23	12.94	12.08	6.90	6.89	409
	T15CA009	D-6R WHA	TRASH/WASTE HANDLING ARRANGEMENT,14.30CY	165 HP D-off		$277,489	71.94	17.35	16.19	9.25	6.89	434
	T15CA011	D-6R LGP	LOW GROUND PRESSURE, SEMI-U 5.09CY BLADE	185 HP D-off		$245,034	65.93	15.32	14.29	8.17	7.73	364

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			CASE CORPORATION										
	T15CS004	550G	WITH UNIVERSAL BLADE	67 HP	D-off		$88,870	23.90	5.55	5.18	2.96	2.80	137
	T15CS005	650G	WITH UNIVERSAL BLADE	80 HP	D-off		$102,471	27.73	6.41	5.98	3.42	3.34	156
	T15CS006	850G	WITH UNIVERSAL BLADE	89 HP	D-off		$116,941	31.51	7.31	6.82	3.90	3.72	168
	T15CS007	1150G	WITH UNIVERSAL BLADE	118 HP	D-off		$154,681	41.70	9.67	9.02	5.16	4.93	225
			DEERE & COMPANY										
	T15JD005	450H LT	POWERSHIFT WITH 2.00 CY ANGLE BLADE	70 HP	D-off		$74,899	20.97	4.69	4.37	2.50	2.92	155
	T15JD006	450H LGP	LOW GROUND PRESSURE, 2.15 CY ANGLE BLADE	74 HP	D-off		$90,237	24.64	5.64	5.26	3.01	3.09	165
	T15JD007	650H	POWERSHIFT WITH 2.60 CY ANGLE BLADE	90 HP	D-off		$100,843	27.98	6.30	5.88	3.36	3.76	185
	T15JD008	750C-II LT	POWERSHIFT WITH 5.60 CY ANGLE BLADE	140 HP	D-off		$177,736	48.18	11.12	10.37	5.93	5.85	317
	T15JD009	750C-II LGP	LOW GROUND PRESSURE, 4.84 CY ANGLE BLADE	140 HP	D-off		$190,268	50.97	11.89	11.10	6.34	5.85	365
	T15JD010	850C	POWERSHIFT WITH 7.44 CY SEMI-U BLADE	185 HP	D-off		$214,190	59.05	13.39	12.49	7.14	7.73	404
	T15JD011	850C LGP	LOW GROUND PRESSURE, 7.14CY SEMI-U BLADE	185 HP	D-off		$262,436	69.81	16.41	15.31	8.75	7.73	420
			KOMATSU DRESSER COMPANY										
	T15KM001	D31E-20	HYDROSHIFT WITH POWER ANGLE 1.65CY BLADE	70 HP	D-off		$90,824	24.52	5.68	5.30	3.03	2.92	123
	T15KM002	D37E-5	HYDROSHIFT WITH POWER ANGLE 1.95CY BLADE	75 HP	D-off		$99,837	26.84	6.24	5.82	3.33	3.13	149
	T15KM003	D58E-1B	HYDROSHIFT WITH POWER ANGLE 3.70CY BLADE	130 HP	D-off		$179,396	47.93	11.21	10.46	5.98	5.43	328
	T15KM013	D65EX-12	POWERSHIFT W/STRAIGHT TILL CY 5.09 BLADE	190 HP	D-off		$258,430	69.22	16.16	15.08	8.62	7.93	410
	T15KM007	D85E-21	POWERSHIFT W/STRAIGHT TILL 6.80 CY BLADE	225 HP	D-off		$338,643	89.24	21.17	19.75	11.29	9.40	624

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.02		**226 HP THRU 425 HP**									
			CATERPILLAR, INC.									
	T15CA012	D-7R	POWERSHIFT WITH SEMI-U 6.75 CY BLADE	230 HP D-off		$337,153	58.50	16.98	12.64	10.66	9.60	552
	T15CA014	D-7R LGP	LOW GROUND PRESSURE,STRAIGHT6.75CY BLADE	240 HP D-off		$397,625	67.22	20.04	14.91	12.58	10.02	598
	T15CA016	D-8R	POWERSHIFT WITH SEMI-U 15.30 CY BLADE	305 HP D-off		$405,587	72.00	20.44	15.21	12.83	12.74	755
	T15CA017	D-9R	POWERSHIFT WITH SEMI-U 17.70 CY BLADE	405 HP D-off		$557,518	98.14	28.09	20.91	17.63	16.91	1,033
			KOMATSU DRESSER COMPANY									
	T15KM008	D155AX-5	POWERSHIFT WITH SEMI-U 11.50 CY BLADE	310 HP D-off		$416,963	73.82	21.01	15.64	13.19	12.95	864
	T15KM012	D275A-2	POWERSHIFT WITH SEMI-U 16.70 CY BLADE	405 HP D-off		$620,414	106.62	31.26	23.27	19.62	16.91	1,118
	SUBCATEGORY 0.03		**OVER 425 HP**									
			CATERPILLAR, INC.									
	T15CA018	D-10R	POWERSHIFT, CAB, W/ SEMI-U 28.7 CY BLADE	570 HP D-off		$716,477	115.50	33.62	23.88	21.68	20.50	1,442
	T15CA019	D-11R	POWERSHIFT, CAB, W/ SEMI-U 44.0 CY BLADE	850 HP D-off		$1,286,543	199.22	60.37	42.88	38.93	30.57	2,255
			KOMATSU DRESSER COMPANY									
	T15KM011	D475A-2	POWERSHIFT WITH SEMI-U 33.50 CY BLADE	860 HP D-off		$1,445,410	219.35	67.82	48.18	43.73	30.93	2,285
	T15KM014	D375A-2	POWERSHIFT WITH SEMI-U 24.20 CY BLADE	525 HP D-off		$870,833	132.48	40.87	29.03	26.35	18.88	1,472

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
T20	**TRACTORS, WHEEL TYPE (DOZER)**											
	SUBCATEGORY 0.00		**TRACTORS, WHEEL TYPE (DOZER)**									
			CATERPILLAR, INC.									
	T20CA001	814-B F	ARTICULATING, STRAIGHT BLADE 3.77CY, 4X4	220 HP D-off		$283,047	61.57	18.25	19.51	8.49	7.91	365
	T20CA002	824-G	ARTICULATING, STRAIGHT BLADE 6.70CY, 4X4	315 HP D-off		$418,195	91.99	26.85	28.60	12.55	11.33	690
	T20CA003	834-B	ARTICULATING, STRAIGHT BLADE 13.70CY 4X4	450 HP D-off		$620,723	132.03	39.73	42.19	18.63	16.18	902
T25	**TRACTORS, AGRICULTURAL**											
	SUBCATEGORY 0.10		**CRAWLER**									
			CATERPILLAR, INC.									
	T25CA006	CH 65E	AG CRAWLER,267HP,RUBBER TRACK,&3PT HITCH	267 HP D-off		$169,301	49.04	12.34	14.39	5.14	10.22	331
	T25CA007	CH 75E	AG CRAWLER,292HP,RUBBER TRACK,&3PT HITCH	292 HP D-off		$185,642	53.75	13.53	15.78	5.64	11.18	341
	T25CA008	CH 85E	AG CRAWLER,353HP,RUBBER TRACK,&3PT HITCH	353 HP D-off		$200,993	60.09	14.64	17.08	6.10	13.51	350
	SUBCATEGORY 0.20		**WHEEL**									
			DEERE & COMPANY									
	T25JD008	7410	AG WHEEL, 105 HP, 4X4, 3PT HITCH	105 HP D-off		$56,294	19.93	4.64	5.80	1.74	4.02	74
	T25JD009	7710	AG WHEEL, 135 HP, 4X4, 3PT HITCH	135 HP D-off		$56,607	21.57	4.67	5.84	1.75	5.17	89
	T25JD010	8100	AG WHEEL, 165 HP, 4X4, 3PT HITCH	165 HP D-off		$90,566	31.98	7.41	9.22	2.80	6.32	179
	T25JD012	9200	AG WHEEL, 310 HP, 4X4, 3PT HITCH	310 HP D-off		$132,011	51.29	10.20	12.24	4.08	11.87	310
	T25JD013	9400	AG WHEEL, 425HP 4X4, 3PT HITCH	425 HP D-off		$169,805	66.81	13.38	16.25	5.25	16.27	338
	T25JD014	8310	AG WHEEL, 205 HP, 4X4, 3PT HITCH	205 HP D-off		$123,318	42.32	10.16	12.70	3.81	7.85	170

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
T30	**TRENCHERS, CHAIN TYPE CUTTER**												
	SUBCATEGORY 0.00		**TRENCHERS, CHAIN TYPE CUTTER**										
			CASE CORPORATION										
	T30CS003	MAX SNEAKER C	36" DEEP X 6" WIDE, 4X4	34 HP	D-off		$25,187	8.84	2.05	2.48	0.81	1.30	21
	T30CS004	360	60" DEEP X 14" WIDE, 4X4, WITH BLADE	30 HP	D-off		$28,148	9.49	2.23	2.66	0.90	1.15	32
	T30CS005	460	60" DEEP X 16" WIDE, 4X4X4, W/BH & BLADE	34 HP	D-off		$34,886	11.58	2.79	3.33	1.12	1.30	46
	T30CS006	560	72" DEEP X 16" WIDE, 4X4X4, W/BH & BLADE	46 HP	D-off		$50,057	16.47	4.03	4.85	1.60	1.76	110
	T30CS007	660	72" DEEP X 16" WIDE, 4X4X4, W/BH & BLADE	56 HP	D-off		$54,234	18.15	4.37	5.27	1.73	2.14	72
	T30CS008	860	84" DEEP X 18" WIDE, 4X4X4, W/BH & BLADE	79 HP	D-off		$91,833	29.90	7.42	8.95	2.94	3.02	124
			DITCH WITCH										
	T30DW012	1220	36" DEEP X 6" WIDE,WALK BEHIND	13 HP	G		$8,630	4.42	0.71	0.85	0.28	1.46	8
	T30DW013	1820	48" DEEP X 16" WIDE,WALK BEHIND	18 HP	G		$12,912	6.37	1.04	1.25	0.41	2.02	13
	T30DW014	3610	60" DEEP X 16" WIDE, 4X4 (WITH BLADE)	35 HP	D-off		$30,703	10.48	2.44	2.92	0.98	1.34	39
	T30DW005	3500	63" DEEP X 12" WIDE, 4X4 (W/DBL PIVOT)	44 HP	D-off		$33,015	11.59	2.64	3.15	1.06	1.68	42
	T30DW015	4500	52" DEEP X 12" WIDE, 4X4 (WITH BLADE)	52 HP	D-off		$44,454	15.21	3.57	4.29	1.42	1.99	45
	T30DW016	5110	80" DEEP X 24" WIDE, 4X4 (WITH BLADE)	53 HP	D-off		$49,176	16.58	3.97	4.80	1.57	2.03	49
	T30DW017	7610	90" DEEP X 24" WIDE, 4X4 (WITH BLADE)	74 HP	D-off		$56,569	19.75	4.56	5.50	1.81	2.83	58
	T30DW018	8020	90" DEEP X 30" WIDE, 4X4 (WITH BLADE)	78 HP	D-off		$71,010	24.02	5.75	6.95	2.27	2.99	66
	T30DW011	HT100	69" DEEP X 8" WIDE, 4X4 (W/BLADE,CWLR)	106 HP	D-off		$147,921	47.02	12.13	14.79	4.73	4.06	158
	T30DW010	R100	96" DEEP X 24" WIDE, 4X4 (W/BLADE)	106 HP	D-off		$125,178	41.42	10.00	11.99	4.00	4.06	95
			TESMEC USA, INC.										
	T30TM002	TRS 900-B	4' DEEP X 12" WIDE, CHAINSAW, CRAWLER (WITH CRUMBSHOE)	185 HP	D-off		$260,868	82.81	21.39	26.09	8.34	7.08	405
	T30TM003	TRS 900-B	8' DEEP X 24" WIDE, CHAINSAW, CRAWLER (WITH CRUMBSHOE)	185 HP	D-off		$279,284	87.97	22.90	27.93	8.93	7.08	425

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
T30			*TESMEC USA, INC. (continued)*										
	T30TM005	TRS 900-B-SL	4' DEEP X 12" WIDE, CHAINSAW, CRAWLER (W/CRUMBSHOE) SELF LEVEL	185 HP	D-off		$291,041	91.27	23.86	29.10	9.31	7.08	430
	T30TM006	TRS 900-B-SL	8' DEEP X 24" WIDE, CHAINSAW, CRAWLER (W/CRUMBSHOE) SELF LEVEL	185 HP	D-off		$312,510	97.29	25.62	31.25	9.99	7.08	450
	T30TM007	TRS 900-SLO	4' DEEP X 12" WIDE, CHAINSAW, CRAWLER (W/CRUMBSHOE) SELF LEVEL, OFFSET	240 HP	D-off		$349,242	110.47	28.63	34.92	11.17	9.19	450
	T30TM008	TRS 900-SLO	6' DEEP X 18" WIDE, CHAINSAW, CRAWLER (W/CRUMBSHOE) SELF LEVEL, OFFSET	240 HP	D-off		$362,774	114.27	29.74	36.28	11.60	9.19	470
	T30TM012	TRS 1100	8' DEEP X 26" WIDE, CHAINSAW, CRAWLER (WITH CRUMBSHOE)	350 HP	D-off		$476,807	151.98	39.08	47.68	15.24	13.40	850
	T30TM010	TRS 1000-B	10' DEEP X 30" WIDE, CHAINSAW, CRAWLER (WITH CRUMBSHOE)	270 HP	D-off		$404,444	127.51	33.15	40.44	12.93	10.34	650
	T30TM014	TRS 1300	10' DEEP X 26" WIDE, CHAINSAW, CRAWLER (WITH CRUMBSHOE)	503 HP	D-off		$730,075	230.99	59.85	73.01	23.34	19.25	1,550
	T30TM013	TRS 1300	14' DEEP X 42" WIDE, CHAINSAW, CRAWLER (WITH CRUMBSHOE)	402 HP	D-off		$745,337	230.00	61.10	74.53	23.83	15.39	1,550
	T30TM015	TRS 1300	16' DEEP X 42" WIDE, CHAINSAW, CRAWLER (WITH CRUMBSHOE)	503 HP	D-off		$771,792	242.69	63.27	77.18	24.68	19.25	1,550
	T30TM001	TRS 900-A	3' DEEP X 4"-8" WIDE, ROCKSAW, CRAWLER (WITH CRUMBSHOE)	185 HP	D-off		$256,627	81.62	21.04	25.66	8.21	7.08	375
	T30TM004	TRS 900-A-SL	3' DEEP X 4"-8" WIDE, ROCKSAW, CRAWLER (W/CRUMBSHOE) SELF LEVEL	185 HP	D-off		$277,093	87.36	22.72	27.71	8.86	7.08	400
	T30TM009	TRS 1000-A	4' DEEP X 5"-12" WIDE, ROCKSAW, CRAWLER (WITH CRUMBSHOE)	270 HP	D-off		$361,977	115.60	29.67	36.20	11.57	10.34	550
			VERMEER MANUFACTURING COMPANY										
	T30VE007	T-455	6' DEEP X 7.5"-24" WIDE, HYDROSTATIC	85 HP	D-off		$126,372	39.88	10.36	12.64	4.04	3.25	195
	T30VE008	T-555	8' DEEP X 8"-24" WIDE, CRAWLER, HYDSTAT	140 HP	D-off		$213,006	67.04	17.46	21.30	6.81	5.36	225
	T30VE009	T-655	8' DEEP X 10"-24" WIDE, CRAWLER, HYDSTAT	180 HP	D-off		$313,236	97.24	25.68	31.32	10.02	6.89	425
	T30VE010	T-755	10' DEEP X 14"-36" WIDE, CRAWLER, HYDSTAT	230 HP	D-off		$396,590	123.22	32.51	39.66	12.68	8.80	660

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
T35	**TRENCHERS, WHEEL TYPE CUTTER**											
	SUBCATEGORY 0.00		**TRENCHERS, WHEEL TYPE CUTTER**									
			CLEVELAND TRENCHER									
	T35CT001	9624	72" DEEP X 21.5" WIDE, ROUND BKT, CRWLR	140 HP D-off		$194,334	61.80	15.93	19.43	6.21	5.36	230
	T35CT002	9600-S	72" DEEP X 24" WIDE, ROUND BKT, CRWLR	140 HP D-off		$225,267	70.48	18.47	22.53	7.20	5.36	229
	T35CT003	246-FD	84" DEEP X 24" WIDE, ROUND BKT, CRWLR	185 HP D-off		$253,074	80.62	20.75	25.31	8.09	7.08	320
	T35CT005	7036-HD-2	84" DEEP X 27.5" WIDE, ROUND BKT, CRWLR	102 HP D-off		$236,920	71.76	19.43	23.69	7.58	3.90	282
	T35CT006	7036-3	84" DEEP X 33.5" WIDE, ROUND BKT, CRWLR	102 HP D-off		$225,454	68.55	18.49	22.55	7.21	3.90	263
	T35CT004	7036-HD	84" DEEP X 36" WIDE, ROUND BKT, CRWLR	102 HP D-off		$238,404	72.17	19.54	23.84	7.62	3.90	286
	T35CT007	7036-SD	84" DEEP X 36" WIDE, ROUND BKT, CRWLR	102 HP D-off		$249,674	75.34	20.47	24.97	7.98	3.90	340
	T35CT008	8700-2	84" DEEP X 36" WIDE, ROUND BUCKET, CRWLR	150 HP D-off		$317,461	96.86	26.03	31.75	10.15	5.74	425
	T35CT009	7648-SD	90" DEEP X 48" WIDE, ROUND BKT, CRWLR	150 HP D-off		$371,939	112.13	30.49	37.19	11.89	5.74	455
	T35CT010	7648-SD-4	90" DEEP X 42" WIDE, ROUND BKT, CRWLR	150 HP D-off		$370,464	111.72	30.37	37.05	11.84	5.74	497
	T35CT011	400W-HD	108" DEEP X 72" WIDE , ROUND BKT, CRWLR	175 HP D-off		$439,729	132.46	36.05	43.97	14.06	6.70	672
T40	**TRUCK OPTIONS**											
	SUBCATEGORY 0.10		**CRANES / HOISTS, PERSONNEL & MATERIAL HANDLING**									
			AUTO CRANE COMPANY									
	T40AH001	A50A	3.5 TON, W/32' BOOM (ADD 21,000 GVW TRUCK & FLATBED)			$20,164	5.51	1.65	2.02	0.64	0.00	34
	T40AH002	A72A	5.0 TON, W/32' BOOM (ADD 26,000 GVW TRUCK & FLATBED)			$24,705	6.70	2.03	2.47	0.79	0.00	45

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
T40			*AUTO CRANE COMPANY (continued)*									
	T40AH003	A95	6.6 TON, W/36' BOOM (ADD 32,500 GVW TRUCK & FLATBED)			$35,022	9.39	2.87	3.50	1.12	0.00	68
	T40AH004	A125	8.6 TON, W/41' BOOM (ADD 46,000 GVW TRUCK & FLATBED)			$39,014	10.43	3.20	3.90	1.25	0.00	77
			PALFINGER, INC.									
	T40PA001	PC 2300	2.4TON, 2-ARM ARTICULATING &HYD 21' BOOM (ADD FLATBED AND 25,000 GVW TRUCK)			$8,319	2.41	0.69	0.83	0.27	0.00	9
	T40PA002	PK 13000	5.3TON, 3-ARM ARTICULATING &HYD 61' BOOM (ADD FLATBED AND 28,000 GVW TRUCK)			$25,538	6.90	2.10	2.55	0.82	0.00	35
	T40PA003	PK 19000	8.3TON, 3-ARM ARTICULATING &HYD 70' BOOM (ADD FLATBED AND 30,000 GVW TRUCK)			$36,292	9.73	2.98	3.63	1.16	0.00	51
	T40PA004	PK 27000	9.0TON, 3-ARM ARTICULATING &HYD 69' BOOM (ADD FLATBED AND 52,000 GVW TRUCK)			$54,858	14.58	4.50	5.49	1.75	0.00	61
	T40PA005	PK 48000	12.5TON,2-ARM ARTICULATING &HYD 82' BOOM (ADD FLATBED AND 60,000 GVW TRUCK)			$84,764	22.39	6.95	8.48	2.71	0.00	1,072
	T40PA006	PK 60000	14.9TON,2-ARM ARTICULATING &HYD 82' BOOM (ADD FLATBED AND 62,000 GVW TRUCK)			$80,355	21.25	6.59	8.04	2.57	0.00	126
	SUBCATEGORY 0.20		**DUMP BODY, REAR**									
			GALION DUMP BODIES									
	T40GN001	PACKAGE 89-F	16-23.5 CY DUMP BODY (WITH HOIST) (ADD 36,000 GVW TRUCK)			$10,455	2.67	0.90	1.18	0.31	0.00	42
			MIDLAND									
	T40MY001	KLEENSIDE	4.9 CY, AIR GATE (WITH HOIST) (ADD 24,000 GVW TRUCK)			$5,334	1.36	0.46	0.60	0.16	0.00	17
	T40MY002	KLEENSIDE	7.5 CY, AIR GATE (WITH HOIST) (ADD 27,000 GVW TRUCK)			$5,807	1.48	0.50	0.65	0.17	0.00	21
	T40MY003	KLEENSIDE	8.9 CY, AIR GATE (WITH HOIST) (ADD 27,000 GVW TRUCK)			$6,528	1.66	0.56	0.73	0.19	0.00	26
	T40MY004	KLEENSIDE	10.3 CY, AIR GATE (WITH HOIST) (ADD 36,000 GVW TRUCK)			$7,086	1.81	0.61	0.80	0.21	0.00	31
	T40MY005	KLEENSIDE	13.2 CY, AIR GATE (WITH HOIST) (ADD 36,000 GVW TRUCK)			$8,000	2.04	0.69	0.90	0.24	0.00	33

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.30		**FLATBEDS, WITH SIDES**									
			KNAPHEIDE MANUFACTURING COMPANY									
	T40KF011		8' X 8', W/SIDE RACKS			$3,280	0.75	0.27	0.33	0.10	0.00	11
	T40KF013		8' X 10', W/SIDE RACKS			$3,515	0.80	0.29	0.35	0.11	0.00	14
	T40KF014		8' X 12', W/SIDE RACKS			$3,787	0.87	0.31	0.38	0.12	0.00	16
	T40KF016		8' X 16', W/SIDE RACKS			$4,501	1.03	0.37	0.45	0.14	0.00	16
	T40KF018		8' X 20', W/SIDE RACKS			$5,412	1.23	0.44	0.54	0.17	0.00	18
	T40KF020		8' X 24', W/SIDE RACKS			$6,283	1.44	0.52	0.63	0.20	0.00	20
	SUBCATEGORY 0.41		**HOIST, ELECTRIC DRIVE**									
			KNAPHEIDE MANUFACTURING COMPANY									
	T40KF021		FLATBED HOIST, 8' TO 14', 7 TON PTO			$2,743	0.67	0.23	0.27	0.09	0.00	15
	T40KF022		FLATBED HOIST, 16' TO 24', 20 TON PTO			$5,157	1.26	0.42	0.52	0.16	0.00	18
	T40KF023		FLATBED HOIST, 16' TO 24', 7 TON, ELECT			$3,432	0.89	0.28	0.34	0.11	0.00	4
	T40KF024		FLATBED HOIST, 16' TO 24', 14 TON, ELECT			$3,999	1.03	0.33	0.40	0.13	0.00	6
	SUBCATEGORY 0.50		**TRANSIT MIXERS**									
			LONDON MACHINERY INC.									
	T40LN004	SERIES 60	8.5 CY TRANSIT MIXER			$23,975	6.50	2.02	2.55	0.74	0.00	1
	T40LN005	SERIES 65	9.0 CY TRANSIT MIXER			$24,502	6.63	2.06	2.60	0.76	0.00	1
	T40LN006	SERIES 70	9.5 CY TRANSIT MIXER			$25,019	6.75	2.10	2.66	0.77	0.00	1
	T40LN003	BRIDGE SPAN20	10.0 CY TRANSIT MIXER			$36,205	9.60	3.01	3.78	1.12	0.00	1
	T40LN007	SERIES 80	10.5 CY TRANSIT MIXER			$25,918	6.98	2.18	2.75	0.80	0.00	1
	T40LN008	SERIES 85	11.5 CY TRANSIT MIXER			$26,849	7.21	2.26	2.85	0.83	0.00	1
	T40LN009	SERIES 90	12.0 CY TRANSIT MIXER			$27,293	7.32	2.29	2.90	0.84	0.00	1
	T40LN010	SERIES 90 LP	12.0 CY TRANSIT MIXER			$27,293	7.32	2.29	2.90	0.84	0.00	1
	T40LN011	SERIES 100	13.0 CY TRANSIT MIXER			$27,883	7.47	2.34	2.96	0.86	0.00	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.60		**WATER TANKS**									
			ROSCO MANUFACTURING COMPANY									
	T40RS001		2,000 GAL (ADD 28,000 GVW TRK)			$18,409	4.12	1.48	1.73	0.61	0.00	38
	T40RS002		3,000 GAL (ADD 40,000 GVW TRK)			$21,405	4.79	1.72	2.01	0.71	0.00	45
	T40RS003		4,000 GAL (ADD 50,000 GVW TRK)			$23,686	5.29	1.89	2.22	0.78	0.00	55
	SUBCATEGORY 0.70		**ALL OTHER OPTIONS**									
			BRODERSON MANUFACTURING COMPANY									
	T40BD001	MN-42-F	GUILLOTINE CONCRETE BREAKER, DEMOLITION 4'DIA PUNCH, FROST CHISEL , 14"LONG DEMO BLADE, OR 12"L X 7"W ASPHALT BLADE, 4X2	112 HP D-off		$92,335	28.75	7.54	9.18	2.95	4.29	105
			WALKER MANUFACTURING COMPANY, INC.									
	T40WL001	8-13000	GUILLOTINE CONCRETE BREAKER 8' 3" WIDE, 10' HIGH, 15' 6" LONG (ADD 46,000 GVW TRUCK + FLATBED)	140 HP D-off		$116,620	36.13	9.56	11.66	3.73	5.36	275
T45	**TRUCK TRAILERS**											
	SUBCATEGORY 0.10		**BOTTOM DUMP**									
			MIDLAND									
	T45MY001	CLAMSHELL	12.8 CY, 16 TON, 29' TANDEM, 2 AXLE			$24,957	5.96	1.68	1.89	0.73	0.00	105
	T45MY002	CLAMSHELL	13.3 CY, 17 TON, 32' TANDEM, 2 AXLE			$25,457	6.06	1.72	1.93	0.75	0.00	116
	T45MY003	CLAMSHELL	14.4 CY, 19 TON, 40' TANDEM, 2 AXLE			$28,758	6.75	1.96	2.23	0.84	0.00	145
	T45MY004	CLAMSHELL	20.0 CY,26 TON, 42' TANDEM, 2 AXLE			$30,035	7.02	2.05	2.34	0.88	0.00	152
	T45MY005	CLAMSHELL	21.9 CY, 30 TON, 38' TRIAXLE			$31,552	7.55	2.07	2.30	0.92	0.00	138
	T45MY006	CLAMSHELL	22.7 CY, 30 TON, 40' TRIAXLE			$32,322	7.72	2.14	2.37	0.95	0.00	145
	T45MY007	CLAMSHELL	24.6 CY, 32 TON, 42' TRIAXLE			$33,564	7.97	2.22	2.48	0.98	0.00	152
	T45MY008	CROSS DUMP	19.4 CY, 25 TON, 29' TANDEM, 2 AXLE			$22,622	5.47	1.50	1.68	0.66	0.00	105
	T45MY009	CROSS DUMP	20.1 CY, 26 TON, 32' TANDEM, 2 AXLE			$23,143	5.58	1.54	1.72	0.68	0.00	116
	T45MY010	CROSS DUMP	21.4 CY, 28 TON, 40' TANDEM, 2 AXLE			$25,517	6.08	1.72	1.94	0.75	0.00	145

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
T45			*MIDLAND (continued)*									
	T45MY011	CROSS DUMP	21.7 CY, 28 TON, 42' TANDEM, 2 AXLE			$26,759	6.33	1.81	2.05	0.78	0.00	152
	T45MY012	CROSS DUMP	20.4 CY, 26 TON, 38' TRIAXLE			$28,656	6.95	1.86	2.04	0.84	0.00	138
	T45MY013	CROSS DUMP	21.3 CY, 28 TON, 40' TRIAXLE			$29,243	7.07	1.91	2.09	0.86	0.00	145
	T45MY014	CROSS DUMP	24.6 CY, 32 TON, 42' TRIAXLE			$30,485	7.34	2.00	2.21	0.89	0.00	152
			NO SPECIFIC MANUFACTURER									
	T45XX001		18 CY, 27 TON			$38,666	8.73	2.78	3.30	1.13	0.00	122
	T45XX002		20 CY, 30 TON			$45,829	10.22	3.31	3.94	1.34	0.00	140
	T45XX003		30 CY, 30 TON			$46,425	10.36	3.36	4.00	1.36	0.00	160
	T45XX004		28 CY, 42 TON			$55,237	12.40	3.93	4.61	1.62	0.00	180
	T45XX005		20 CY, 35 TON, OFF-HIGHWAY			$64,891	14.32	4.69	5.57	1.90	0.00	175
	T45XX006		32 CY, 55 TON, OFF-HIGHWAY			$136,432	34.77	9.46	10.93	3.99	0.00	365
	T45XX007		43 CY, 70 TON, OFF-HIGHWAY			$152,042	38.04	10.62	12.33	4.45	0.00	445
	SUBCATEGORY 0.20		**END DUMP**									
			FRUEHAUF TRAILER CORPORATION									
	T45FH001	DFSL24-33	17 CY, END DUMP TRAILER			$27,312	5.81	1.92	2.24	0.80	0.00	98
			MIDLAND									
	T45MY015	XL 2000-24'	28 CY, 36 TON, 2 AXLE (WITH HOIST)			$24,614	5.85	1.65	1.86	0.72	0.00	115
	T45MY016	XL 2000-29'	28 CY, 36 TON, 2 AXLE (WITH HOIST)			$26,558	6.24	1.80	2.03	0.78	0.00	130
	T45MY017	XL 3000-35'	34 CY, 44 TON, 3 AXLE (WITH HOIST)			$30,314	7.24	1.99	2.19	0.89	0.00	170
			NO SPECIFIC MANUFACTURER									
	T45XX008		20 CY, 24 TON			$51,173	11.03	3.71	4.42	1.50	0.00	146
	SUBCATEGORY 0.30		**PUP TRAILER**									
			MIDLAND									
	T45MY018	PONY PUP	10 CY, 13 TON, 2 AXLE (WITH HOIST)			$18,814	5.21	1.40	1.67	0.56	0.00	80

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			NO SPECIFIC MANUFACTURER									
	T45XX009		8 CY, LONG TONGUE			$30,383	7.83	2.51	3.19	0.91	0.00	86
	T45XX010		10 CY, LONG TONGUE			$30,610	7.88	2.52	3.22	0.91	0.00	86
	SUBCATEGORY 0.41		**LOWBOY, RIGID NECK, DROP DECK**									
			EAGER BEAVER									
	T45EA006	GSL	35 TON, DETATCHABLE GOOSENECK, 2 AXLE, 2 AXLE, 8'6"W X 22' L			$30,757	6.37	2.04	2.27	0.90	0.00	150
	T45EA007	50GSL/3	50 TON, DETATCHABLE GOOSENECK, 3 AXLE, 3 AXLE, 8'6"W X 24' L			$48,638	10.02	3.24	3.63	1.42	0.00	205
			NO SPECIFIC MANUFACTURER									
	T45XX011		25 TON, 2 AXLE			$30,097	6.17	2.15	2.54	0.88	0.00	89
	T45XX012		30 TON, 2 AXLE			$33,615	6.79	2.42	2.87	0.98	0.00	94
	T45XX013		35 TON, 2 AXLE			$36,725	7.42	2.64	3.12	1.08	0.00	109
	T45XX014		35 TON, 3 AXLE			$42,348	8.65	3.02	3.56	1.24	0.00	134
	T45XX015		40 TON, 3 AXLE			$44,232	8.95	3.17	3.75	1.29	0.00	144
	T45XX016		50 TON, 3 AXLE			$50,875	10.24	3.64	4.30	1.49	0.00	161
	T45XX017		60 TON, 3 AXLE			$55,073	11.23	3.88	4.54	1.61	0.00	188
	T45XX018		70 TON, 3 AXLE			$66,774	13.38	4.75	5.59	1.95	0.00	213
	T45XX019		75 TON, 3 AXLE			$68,908	13.77	4.91	5.78	2.02	0.00	228
	T45XX020		80 TON, 4 AXLE			$78,527	15.57	5.65	6.70	2.30	0.00	266
	T45XX021		90 TON, 4 AXLE			$84,700	16.86	6.05	7.14	2.48	0.00	297
	T45XX022		100 TON, 4 AXLE			$94,288	18.74	6.73	7.93	2.76	0.00	313
	T45XX023		120 TON, 4 AXLE			$109,463	21.78	7.76	9.12	3.20	0.00	351
	T45XX024		HELPER DOLLY (60 TON TRAILER MAX)			$25,951	5.13	1.84	2.15	0.76	0.00	62
	SUBCATEGORY 0.50		**FLATBED TRAILER**									
			FRUEHAUF TRAILER CORPORATION									
	T45FH002	SELECT SERIES	48' LONG, 2 AXLE, 80,000 LB. CAPACITY			$19,489	3.88	1.35	1.56	0.57	0.00	104
	T45FH003	PBH-HV DUTY	48' LONG, 2 AXLE, 100,000 LB. CAPACITY			$19,918	3.95	1.38	1.59	0.58	0.00	115

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			NO SPECIFIC MANUFACTURER									
	T45XX025		25 TON, 2 AXLE			$24,913	8.85	1.76	2.06	0.73	0.00	110
	SUBCATEGORY 0.60		**MISCELLANEOUS / UTILITY**									
			EAGER BEAVER									
	T45EA002	AP10	5 TON, UTILITY, 2 AXLE, 6.5' W X 15' L WITH RAMPS, PINTAL HITCH			$5,247	1.09	0.35	0.39	0.15	0.00	22
	T45EA003	HDB 10	10 TON, UTILITY, 2 AXLE, 8' W X 24' L			$10,682	2.29	0.68	0.74	0.31	0.00	58
	T45EA004	10TXT	10 TON, TILT BED, 2 AXLE, 8'W X 20' L			$13,934	2.89	0.93	1.03	0.41	0.00	60
	T45EA005	20TXT	20 TON, TILT BED, 2 AXLE, 8'W X 24' L			$20,244	4.50	1.23	1.28	0.59	0.00	80
			TRAIL KING									
	T45TT001	TK6U	3 TON, UTILITY, 2 AXLE, 7'11"W X 12'L			$3,979	0.79	0.28	0.32	0.12	0.00	19
	T45TT002	TK8U	4 TON, UTILITY, 2 AXLE, 7'11.5"W X 14'L			$4,301	0.85	0.31	0.35	0.13	0.00	22
	T45TT003	TK10U	5 TON, UTILITY, 2 AXLE, 7'11.5"W X 16'L			$4,792	0.95	0.33	0.38	0.14	0.00	23
	T45TT004	TK12U	6 TON, UTILITY, 2 AXLE, 9'6"W X 16'L			$5,452	1.07	0.38	0.44	0.16	0.00	27
	T45TT005	TK18U	9 TON, UTILITY, 3 AXLE, 8'6"W X 20'L			$7,574	1.46	0.54	0.63	0.22	0.00	38
			NO SPECIFIC MANUFACTURER									
	T45XX026		12 TON, 2 AXLE			$16,292	3.57	1.15	1.34	0.48	0.00	62
	T45XX027		16 TON, 2 AXLE			$18,623	4.07	1.30	1.50	0.55	0.00	65
	T45XX028		20 TON, 2 AXLE			$20,230	4.44	1.39	1.60	0.59	0.00	67
	SUBCATEGORY 0.70		**WATER TANKER TRAILER**									
			NO SPECIFIC MANUFACTURER									
	T45XX029		4,000 GAL, WITH PUMP	63 HP D-off		$46,211	11.82	3.19	3.37	1.50	2.41	120
	T45XX030		5,000 GAL, WITH PUMP	63 HP D-off		$48,987	12.47	3.35	3.49	1.60	2.41	150
	T45XX031		6,000 GAL, WITH PUMP	63 HP D-off		$51,189	12.88	3.50	3.66	1.67	2.41	160

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.80		**DECONTAMINATION FACILITY**									
			HAZCO									
	T45HA001		24 FOOT, 4 SHOWER UNIT			$30,781	7.91	2.44	2.84	1.02	0.00	35
	T45HA002		30 FOOT, 4 SHOWER UNIT			$37,144	9.53	2.95	3.43	1.23	0.00	45
	T45HA003		40 FOOT, 6 SHOWER UNIT			$49,528	12.62	3.93	4.57	1.64	0.00	60
	SUBCATEGORY 0.90		**TANK TRAILERS**									
			WARNER FRUEHAUF TRAILER COMPANY, INC.									
	T45WR001	TEV-F2-R-5500	5500 GAL VAC. TANK TRLR, SA285C PRESS VESSEL STEEL, STRAIGHT FRAME CONSTR.			$56,204	11.84	3.85	4.03	1.83	0.00	144
	T45WR002	TKV-F2-R-5500	5500 GAL VAC. TANK TRLR, T316L S.S VESSEL, STRAIGHT FRAME CONSTR.			$80,606	16.76	5.55	5.86	2.62	0.00	145
	T45WR003	TKX-F2-R-7000	7000 GAL INSUL. TANK TRLR, T316L S.S. VESSEL, STRAIGHT FRAME CONSTR.			$69,743	14.62	4.80	5.05	2.27	0.00	129
	T45WR004	TEV-F2-W-5500	7000 GAL INSUL. TANK TRLR, T316L S.S. VESSEL, ASYMMETRICAL DOUBLE CONICAL CONSTRUCTION			$55,891	11.88	3.83	4.01	1.82	0.00	129
	T45WR005	TEV-F2-R-5000	5000 GAL CORROSIVE TANK TRLR, T316L S.S. VESSEL, STRAIGHT FRAME CONSTR.			$55,493	11.71	3.80	3.98	1.81	0.00	110
T50	**TRUCKS, HIGHWAY (add attachments as required)**											
	SUBCATEGORY 0.01		**0 THRU 10,000 GVW**									
			FORD MOTOR COMPANY									
	T50FO001	F150	4,900 GVW (1/2 TON PICKUP) 4x2	117 HP G		$15,191	7.94	1.23	1.47	0.49	3.04	34
	T50FO002	F150	6,250 GVW (1/2 TON PICKUP) 4X4	117 HP G		$17,740	8.60	1.44	1.73	0.57	3.04	38
	T50FO003	F250 HD	8,600 GVW (3/4 TON PICKUP) 4X2	117 HP G		$16,718	8.41	1.33	1.59	0.53	3.04	39
	T50FO004	F250 HD	8,800 GVW (3/4 TON PICKUP) 4X4	137 HP G		$19,266	9.82	1.55	1.85	0.62	3.56	43
	T50FO005	F350	10, 000 GVW (1 TON PICKUP) 4X2	137 HP G		$19,951	10.05	1.58	1.87	0.64	3.56	44

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			GMC AND CHEVROLET										
	T50GM001	S10	3,500 GVW (COMPACT PICKUP) 4X2	92 HP	G		$11,778	6.24	0.95	1.13	0.38	2.39	26
	T50GM002	S10	3,825 GVW (COMPACT PICKUP) 4X4	110 HP	G		$14,305	7.47	1.16	1.39	0.46	2.85	29
	T50GM003	C14	5,600 GVW (1/2 TON PICKUP) 4X2	140 HP	G		$15,088	8.71	1.21	1.46	0.48	3.63	37
	T50GM004	R26	8,600 GVW (SUBURBAN) 4X2	165 HP	G		$27,717	12.67	2.26	2.73	0.89	4.28	47
	T50GM005	V26	8,600 GVW (SUBURBAN) 4X4	165 HP	G		$30,339	13.34	2.47	2.99	0.97	4.28	50
	T50GM006	C24 HD	8,600 GVW (3/4 TON PICKUP) 4X2	165 HP	G		$18,318	10.45	1.47	1.76	0.59	4.28	40
	T50GM007	K24 HD	8,600 GVW (3/4 TON PICKUP) 4X4	165 HP	G		$21,013	11.16	1.69	2.03	0.67	4.28	44
	T50GM008	C34	10,000 GVW (1 TON PICKUP) 4X2	165 HP	G		$18,450	10.52	1.47	1.76	0.59	4.28	40
	T50GM009	K34	10,000 GVW (3500 PICKUP) 4X4	165 HP	G		$21,146	11.24	1.70	2.03	0.68	4.28	44
	SUBCATEGORY 0.02		**OVER 10,000 THRU 30,000 GVW(CHASSIS ONLY-ADD OPTIONS)**										
			FORD MOTOR COMPANY										
	T50FO006	F600	21,000 GVW, 2 AXLE, 4X2,	175 HP	G		$25,447	19.88	1.78	1.95	0.80	10.60	64
	T50FO007	F600	21,000 GVW, 2 AXLE, 4X2	170 HP	D-on		$27,391	11.27	1.92	2.11	0.86	4.28	72
	T50FO008	F700	23,000 GVW, 2 AXLE, 4X2	213 HP	D-on		$26,620	12.58	1.86	2.04	0.84	5.37	65
	T50FO009	F700	23,000 GVW, 2 AXLE, 4X2	216 HP	D-on		$29,182	13.17	2.05	2.25	0.92	5.44	75
	T50FO010	F800	24,500 GVW, 2 AXLE, 4X2	160 HP	G		$35,291	20.58	2.47	2.72	1.11	9.69	74
	T50FO011	F800	24,500 GVW, 2 AXLE, 4X2	210 HP	D-on		$40,089	15.35	2.78	3.03	1.26	5.29	83
			GMC AND CHEVROLET										
	T50GM017	W4T042	14,250 GVW, 2 AXLE, 4X2	135 HP	D-on		$21,855	8.92	1.54	1.69	0.69	3.40	45
	T50GM011	C6H042	25,000 GVW, 2 AXLE, 4X2	210 HP	G		$28,952	23.50	2.03	2.23	0.91	12.72	69
	T50GM012	C6H042	25,000 GVW, 2 AXLE, 4X2	170 HP	D-on		$33,514	12.46	2.36	2.60	1.06	4.28	76
	T50GM013	C7H042	27,100 GVW, 2 AXLE, 4X2	210 HP	G		$29,222	23.61	2.04	2.23	0.92	12.72	72
	T50GM014	C7H042	27,100 GVW, 2 AXLE, 4X2	170 HP	D-on		$34,327	12.77	2.39	2.61	1.08	4.28	79
			HINO DIESEL TRUCKS										
	T50HN001	FA1517/1	15,000 GVW, 2 AXLE, 4X2	168 HP	D-on		$30,504	11.83	2.13	2.34	0.96	4.23	59
	T50HN002	FB1817/2	17,600 GVW, 2 AXLE, 4X2	168 HP	D-on		$32,582	12.24	2.29	2.51	1.03	4.23	62
	T50HN003	FD2220/5	22,300 GVW, 2 AXLE, 4X2	200 HP	D-on		$42,101	15.22	2.96	3.25	1.33	5.04	82
	T50HN004	FE2620/8	25,995 GVW, 2 AXLE, 4X2	200 HP	D-on		$44,783	16.18	3.07	3.31	1.41	5.04	96

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
T50			*HINO DIESEL TRUCKS (continued)*										
	T50HN005	FF3020/8	30,000 GVW, 2 AXLE, 4X2	200 HP	D-on		$50,204	17.24	3.46	3.75	1.58	5.04	100
			NAVISTAR INTERNATIONAL CORPORATION										
	T50IT002	4700 SC	21,500 GVW, 2 AXLE, 4X2	175 HP	D-on		$40,195	13.92	2.84	3.13	1.27	4.41	76
	T50IT003	4900 SD	25,500 GVW, 2 AXLE, 4X2	195 HP	D-on		$49,083	16.30	3.47	3.84	1.55	4.91	83
			MITSUBISHI FUSO TRUCK OF AMERICA										
	T50MH001	FE639L	11,600 GVW, 2 AXLE, 4X2, AUTOMATIC	135 HP	D-on		$27,340	10.11	1.91	2.09	0.86	3.40	48
	T50MH010	FG639T	12,000 GVW, 2 AXLE, 4X2, MANUAL	135 HP	D-on		$32,041	11.02	2.25	2.47	1.01	3.40	120
	T50MH002	FE639T	13,500 GVW, 2 AXLE, 4X2, AUTOMATIC	135 HP	D-on		$28,233	10.28	1.97	2.16	0.89	3.40	48
	T50MH009	FE649T	14,500 GVW, 2 AXLE, 4X2, AUTOMATIC	145 HP	D-on		$31,926	11.34	2.24	2.46	1.01	3.65	145
	T50MH003	FH211T	17,198 GVW, 2 AXLE, 4X2, AUTOMATIC	175 HP	D-on		$37,359	13.40	2.63	2.89	1.18	4.41	63
	T50MH004	FK617T	23,000 GVW, 2 AXLE, 4X2, AUTOMATIC	200 HP	D-on		$45,253	15.96	3.15	3.46	1.42	5.04	82
	T50MH005	FM617L	25,995 GVW, 2 AXLE, 4X2, AUTOMATIC	200 HP	D-on		$47,977	16.33	3.37	3.72	1.51	5.04	88
	T50MH006	FM617T	30,000 GVW, 2 AXLE, 4X2, AUTOMATIC	200 HP	D-on		$51,885	17.55	3.57	3.88	1.63	5.04	90
	SUBCATEGORY 0.03		**OVER 30,000 GVW (CHASSIS ONLY-ADD OPTIONS)**										
			FORD MOTOR COMPANY										
	T50FO015	LNT8000	43,000 GVW, 80,000 GCW, 3 AXLE, 6X4	210 HP	D-on		$65,155	21.96	4.12	4.17	2.03	7.64	117
	T50FO013	LT8000	43,000 GVW, 3 AXLE, 6X4	210 HP	D-on		$65,813	22.02	4.16	4.22	2.05	7.64	119
	T50FO014	LTS8000	43,000 GVW, 3 AXLE, 6X4	210 HP	D-on		$67,779	22.38	4.28	4.34	2.11	7.64	122
	T50FO019	LNT9000	43,000 GVW, 138,000 GCW, 3 AXLE, 6X4	260 HP	D-on		$112,993	32.98	7.13	7.21	3.52	9.46	130
	T50FO017	LT9000	43,000 GVW, 3 AXLE, 6X4	260 HP	D-on		$113,600	33.02	7.18	7.27	3.54	9.46	133
	T50FO018	LTS9000	46,000 GVW, 3 AXLE, 6X4,	260 HP	D-on		$116,617	33.57	7.36	7.45	3.63	9.46	138
			GMC AND CHEVROLET										
	T50GM016	C7H064	46,000 GVW, 3 AXLE, 6X4	215 HP	D-on		$56,553	20.86	3.55	3.58	1.76	7.83	118
	T50GM015	C7H064	46,000 GVW, 3 AXLE, 6X4	255 HP	G		$48,365	40.02	3.03	3.03	1.51	22.06	112
			HINO DIESEL TRUCKS										
	T50HN006	SG3325	32,900 GVW, 2 AXLE, 4X2	252 HP	D-on		$56,133	22.70	3.51	3.52	1.75	9.17	105

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
T50			***HINO DIESEL TRUCKS (continued)***										
	T50HN007	SG5523	55,000 GVW, 2 AXLE, 4X2	225 HP	D-on		$62,085	22.35	3.89	3.91	1.93	8.19	107
			NAVISTAR INTERNATIONAL CORPORATION										
	T50IT004	4900 SH	40,000 GVW, 3 AXLE, 6X4	195 HP	D-on		$73,483	22.67	4.65	4.71	2.29	7.10	119
	T50IT008	4900 SJ	43,000 GVW, AXLE, 6X6	195 HP	D-on		$92,363	25.81	5.87	5.97	2.88	7.10	126
	T50IT011	9300 FA	32,000 GVW, 80,000 GCW, 3 AXLE, 4X2	280 HP	D-on		$115,654	34.66	7.27	7.34	3.60	10.19	111
	T50IT010	2574 ZM	35,000 GVW, 60,000 GCW, 3 AXLE, 4X2	275 HP	D-on		$92,129	30.50	5.76	5.77	2.87	10.01	106
	T50IT012	9300 FB	46,000 GVW, 90,000 GCW, 3 AXLE, 6X4	280 HP	D-on		$130,138	37.06	8.20	8.30	4.05	10.19	138
	T50IT007	5000 TN	52,350 GVW, 60,000 GCW, 3 AXLE, 6X6	275 HP	D-on		$158,337	40.72	10.12	10.37	4.93	10.01	165
	T50IT005	5000 TG	56,000 GVW, 60,000 GCW, 3 AXLE, 6X4	275 HP	D-on		$125,703	35.29	8.01	8.19	3.91	10.01	144
			KENWORTH TRUCK COMPANY										
	T50KE001	T800B	33,000 GVW, 76,800 GCW, 2 AXLE, 4X2	330 HP	D-on		$95,484	32.70	6.09	6.24	2.97	12.01	119
	T50KE002	T600B	33,000 GVW, 76,800 GCW, 2 AXLE, 4X2	330 HP	D-on		$97,442	33.02	6.22	6.37	3.03	12.01	121
	T50KE005	W900B	50,000 GVW, 85,000 GCW, 3 AXLE, 6X4	330 HP	D-on		$105,098	34.68	6.67	6.80	3.27	12.01	139
	T50KE004	K100E	50,000 GVW, 85,000 GCW, 3 AXLE, 6X4	330 HP	D-on		$105,967	34.82	6.73	6.86	3.30	12.01	143
	T50KE003	C500B	50,000 GVW, 3 AXLE, 6X4	330 HP	D-on		$113,238	36.03	7.20	7.34	3.53	12.01	144
			MITSUBISHI FUSO TRUCK OF AMERICA										
	T50MH007	FM657	32,900 GVW, 2 AXLE, 4X2, MANUAL	200 HP	D-on		$51,045	19.29	3.18	3.18	1.59	7.28	99
	T50MH008	FM657	32,900 GVW, 2 AXLE, 4X2, MANUAL	230 HP	D-on		$53,303	21.14	3.33	3.33	1.66	8.37	103
	T50MH011	FW657T	32,900 GVW, 2 AXLE, 4X2, MANUAL	230 HP	D-on		$58,413	21.99	3.66	3.67	1.82	8.37	329
			MACK TRUCKS, INC.										
	T50MT012	CH612	35,000 GVW, CONV TRACTOR, 4X2	350 HP	D-on		$87,294	32.19	5.59	5.73	2.72	12.74	114
	T50MT016	CH613	50,000 GVW, CONV TRACT, 6X6, CHASIS ONLY	400 HP	D-on		$104,953	37.74	6.71	6.87	3.27	14.56	143
	T50MT014	RM6906S	60,000 GVW, CONV MIXER, 6X6, CHASIS ONLY	300 HP	D-on		$126,099	36.42	8.06	8.26	3.93	10.92	172
	T50MT013	RD8905	64,000 GVW, CONV TRACTOR, 6X4	350 HP	D-on		$121,148	37.81	7.77	7.99	3.77	12.74	206
	T50MT015	RD6906SX	74,000 GVW, CONV MIXER, 6X6, CHASIS ONLY	300 HP	D-on		$137,792	38.36	8.81	9.04	4.29	10.92	199
	T50MT007	RD690SX	76,000 GVW CONV. DUMPER 6X4, CHASIS ONLY	300 HP	D-on		$117,556	34.73	7.54	7.75	3.66	10.92	199

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
T50			***MACK TRUCKS, INC. (continued)***										
	T50MT008	DM690SX	78,000 GVW, CONV DUMPER/MIXER, 6X4, CHASIS ONLY	300 HP	D-on		$117,556	34.73	7.54	7.75	3.66	10.92	197
			PETERBILT MOTORS COMPANY										
	T50PE007	379 5H	35,000 GVW, 2 AXLE, 4X2	350 HP	D-on		$102,793	34.96	6.55	6.70	3.20	12.74	116
	T50PE005	357 AA	43,000 GVW, 100,000 GCW, 3 AXLE, 4X2	350 HP	D-on		$103,249	36.07	6.48	6.51	3.22	12.74	134
	T50PE002	378 FD	46,000 GVW, 110000 GCW, 3 AXLE, 6X4	350 HP	D-on		$106,219	36.56	6.67	6.71	3.31	12.74	137
	T50PE004	379 5D	46,000 GVW, 110000 GCW, 3 AXLE, 6X4	350 HP	D-on		$109,243	37.06	6.86	6.91	3.40	12.74	137
	T50PE003	362 6D	50,000 GVW, 110000 GCW, 3 AXLE, 6X4	350 HP	D-on		$111,547	37.44	7.00	7.06	3.47	12.74	141
	T50PE006	320	69,000 GVW, 3 AXLE, 6X4	300 HP	D-on		$99,111	32.90	6.21	6.23	3.09	10.92	158
T55	**TRUCKS, OFF-HIGHWAY**												
	SUBCATEGORY 0.10		**RIGID FRAME**										
			CATERPILLAR, INC.										
	T55CA008	D25D	18 CY, 25 TON, REAR DUMP,P/S 4X4	260 HP	D-off		$325,831	42.03	13.89	8.91	9.43	5.43	471
	T55CA009	D30D	22 CY, 30 TON, REAR DUMP,P/S,4X4	285 HP	D-off		$381,917	49.31	16.26	10.42	11.05	5.95	519
	T55CA001	769D	22-30 CY, 35 TON, REAR DUMP, P/S	450 HP	D-off		$515,262	70.41	21.92	14.02	14.91	9.40	743
	T55CA007	769D	31.7 CY, 41.6 TON, REAR DUMP, PS, 4X4	450 HP	D-off		$549,505	73.26	23.40	14.99	15.90	9.40	740
	T55CA002	773D	46.9 CY, 57.7 TON, REAR DUMP, P/S, 4X4	650 HP	D-off		$745,514	93.60	31.67	20.19	21.57	13.57	955
	T55CA003	777D	78.6 CY, 100.0 TON, REAR DUMP, P/S, 4X4	870 HP	D-off		$1,123,449	137.13	47.74	30.47	32.50	18.17	1,542
			EUCLID INDUSTRIES										
	T55EU006	R40C	27-36 CY, 40 TON, REAR DUMP, P/S, RIGID	525 HP	D-off		$375,059	54.16	15.89	10.07	10.85	10.96	1,620
	T55EU007	R60C	33-47 CY, 60 TON, REAR DUMP, P/S, RIGID	700 HP	D-off		$502,984	74.91	21.21	13.31	14.55	14.62	2,240
	T55EU008	R65C	37-51 CY, 72 TON, REAR DUMP, P/S, RIGID	760 HP	D-off		$547,704	80.44	23.14	14.58	15.85	15.87	2,390
	T55EU009	R90	47-69 CY, 95 TON, REAR DUMP, P/S, RIGID	1,050 HP	D-off		$734,584	110.16	30.98	19.45	21.25	21.92	3,300
			KOMATSU DRESSER COMPANY										
	T55KM009	HD325-6	31.4 CY, 44 TON, MECH REAR DUMP, PS, 4X4	488 HP	D-off		$519,234	71.88	22.09	14.14	15.02	10.19	1,590
	T55KM010	HD465-5	44.7 CY, 61 TON, MECH REAR DUMP, PS, 4X4	715 HP	D-off		$759,589	107.12	32.28	20.60	21.98	14.93	2,119

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
T55			***KOMATSU DRESSER COMPANY (continued)***										
	T55KM011	HD605-5	52.3 CY, 67 TON, MECH REAR DUMP, PS, 4X4	715 HP	D-off		$820,053	112.15	34.89	22.31	23.73	14.93	2,352
	T55KM012	HD785-5	78.7 CY,100 TON, MECH REAR DUMP, PS, 4X4	1,082 HP	D-off		$1,087,688	140.51	46.20	29.45	31.47	22.59	3,670
	T55KM013	HD1500-5	102 CY, 165 TON, MECH REAR DUMP, PS, 4X4	1,486 HP	D-off		$1,802,703	227.48	76.42	48.52	52.16	31.03	5,500
	T55KM014	730E	145 CY, 205 TON, MECH REAR DUMP, PS, 4X4	2,000 HP	D-off		$2,133,304	286.70	90.03	56.62	61.72	41.76	7,150
			UNIT RIG										
	T55UN002	MT 3000	60-99 CY, 120 TON, REAR DUMP	1,200 HP	D-off		$990,250	149.62	41.47	25.63	28.65	25.06	1,560
	T55UN004	MT 3300	64-100 CY, 150 TON, REAR DUMP	1,350 HP	D-off		$1,014,486	157.78	42.45	26.19	29.35	28.19	2,193
	T55UN003	MT 3600B	92-126 CY, 170 TON, REAR DUMP	1,600 HP	D-off		$1,229,110	186.82	51.55	31.98	35.56	33.41	1,950
	T55UN005	MT 3700B	101-146 CY, 205 TON, REAR DUMP	1,800 HP	D-off		$1,365,080	223.38	56.67	34.33	39.50	37.58	2,879
	T55UN006	MT 4400	156-206 CY, 250 TON, REAR DUMP	2,000 HP	D-off		$1,741,246	260.70	72.88	44.99	50.38	41.76	3,446
	SUBCATEGORY 0.20		**ARTICULATED FRAME**										
			CATERPILLAR, INC.										
	T55CA010	D250D SERIES II	18 CY, 25 TON, REAR DUMP,ARTIC, P/S 6X6	214 HP	D-off		$330,235	78.94	23.54	27.04	10.02	6.45	424
	T55CA011	D300E SERIES II	22 CY, 30 TON, REAR DUMP, ARTIC, P/S,6X6	260 HP	D-off		$390,294	94.22	27.78	31.86	11.85	7.84	488
	T55CA012	D350E SERIES II	25 CY, 35 TON, REAR DUMP, ARTIC, P/S,6X6	285 HP	D-off		$458,717	108.32	32.77	37.69	13.92	8.60	599
	T55CA013	D400E SERIES II	28 CY, 40 TON, REAR DUMP, ARTIC, P/S,6X6	385 HP	D-off		$467,040	117.08	33.16	37.96	14.18	11.61	653
			DEERE & COMPANY										
	T55JD001	250C	18 CY, 25 TON, REAR DUMP,ARTIC, P/S 6X6	237 HP	D-off		$254,773	67.17	17.90	20.34	7.73	7.15	355
	T55JD002	300C	22 CY, 29 TON, REAR DUMP, ARTIC, P/S,6X6	251 HP	D-off		$293,398	75.17	20.73	23.63	8.91	7.57	401
	T55JD003	350C	25 CY, 35 TON, REAR DUMP, ARTIC, P/S,6X6	335 HP	D-off		$388,352	100.20	27.39	31.19	11.79	10.10	571

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
T55			***DEERE & COMPANY (continued)***										
	T55JD004	400C	29 CY, 40 TON, REAR DUMP, ARTIC, P/S,6X6	410 HP	D-off		$435,821	115.37	30.61	34.76	13.23	12.37	635
			VOLVO CONSTRUCTION EQUIPMENT										
	T55VO002	A-25C	14-18 CY, 25 TON, REAR DUMP, 4X4, ARTIC	255 HP	D-off		$284,397	71.72	20.17	23.08	8.63	7.69	348
	T55VO003	A-25C	14-18 CY, 25 TON, REAR DUMP, 6X6, ARTIC	255 HP	D-off		$313,851	79.95	22.17	25.27	9.53	7.69	392
	T55VO005	A-30C	17-22 CY, 30 TON, REAR DUMP, 6X6, ARTIC	315 HP	D-off		$361,531	86.99	25.88	29.82	10.97	9.50	454
	T55VO004	A-35C	19-25 CY, 35 TON, REAR DUMP, 6X6, ARTIC	358 HP	D-off		$447,215	109.75	31.87	36.58	13.58	10.80	567
	T55VO006	A-40	21-29 CY, 40 TON, REAR DUMP, 6X6, ARTIC	398 HP	D-off		$500,848	124.76	35.54	40.68	15.20	12.00	665
T56	**TRUCKS,OFF-HIGHWAY/PRIME MOVER TRACTORS & WAGONS**												
	SUBCATEGORY 0.10		**PRIME MOVER TRACTORS**										
			CATERPILLAR, INC.										
	T56CA006	776D	PRIME MOVER TRACTOR, P/S, 4X4	938 HP	D-off		$1,077,689	140.07	45.77	29.17	31.18	22.85	1,164
T57	**TRUCKS, VACUUM**												
	SUBCATEGORY 0.00		**TRUCKS, VACUUM**										
			CUSCO INDUSTRIES										
	T57CU001	INDUSTRIAL VAC	5,500 GAL, 750 CFM, TRLR MTD (W/REAR DOOR & HYDRAULIC DUMP SYSTEM)	76 HP	D-off		$82,875	21.75	5.93	6.63	2.61	2.91	76
	T57CU002	SS INDUST. VAC	5,500 GAL, 750 CFM, SS, TRLR MTD (W/REAR DOOR & HYDRAULIC DUMP SYSTEM)	76 HP	D-off		$101,164	25.67	7.23	8.09	3.18	2.91	76
	T57CU003	2527	5,500 GAL, 2,100 CFM, TRLR MTD (W/REAR DOOR & HYDRAULIC DUMP SYSTEM)	115 HP	D-off		$149,735	38.13	10.70	11.98	4.71	4.40	115
	T57CU004	3827	5,500 GAL, 3170 CFM, TRLR MTD (W/REAR DOOR & HYDRAULIC DUMP SYSTEM)	177 HP	D-off		$171,353	46.02	12.25	13.71	5.39	6.78	177

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
T57			*CUSCO INDUSTRIES (continued)*									
	T57CU005	5327	5,500 GAL, 4,550 CFM, TRLR MTD (W/REAR DOOR & HYDRAULIC DUMP SYSTEM)	335 HP D-off		$186,509	57.50	13.33	14.92	5.87	12.82	335
T60	**TRUCKS, WATER, OFF-HIGHWAY**											
	SUBCATEGORY 0.00		**TRUCKS, WATER, OFF-HIGHWAY**									
			KLEIN PRODUCTS, INC.									
	T60KI001	KT-50	5,000 GALLON (WITH CAT 613C TRACTOR)	175 HP D-off		$178,983	43.03	11.23	11.31	5.57	6.70	320
	T60KI002	KT-60	6,000 GALLON (WITH CAT 621E TRACTOR)	330 HP D-off		$323,238	79.21	20.29	20.43	10.07	12.63	580
	T60KI003	KT-80	8,000 GALLON (WITH CAT 631E TRACTOR)	450 HP D-off		$464,737	112.35	29.18	29.41	14.47	17.23	751
	T60KI004	KT-100	10,000 GALLON (WITH CAT 631E TRACTOR)	450 HP D-off		$472,285	113.67	29.67	29.92	14.71	17.23	811
	T60KI005	KT-100	10,000 GALLON (WITH CAT 651E TRACTOR)	550 HP D-off		$561,035	134.88	35.35	35.75	17.47	21.05	1,001
	T60KI006	KT-120	12,000 GALLON (WITH CAT 651E TRACTOR)	550 HP D-off		$578,250	137.87	36.46	36.89	18.01	21.05	1,097
			SOUTHWEST ENGINEERING									
	T60SO001	STT-60	6,000 GALLON (WITH CAT 621E TRACTOR)	330 HP D-off		$402,399	92.94	25.39	25.71	12.53	12.63	610
	T60SO002	STT-80	8,000 GALLON (WITH CAT 631E TRACTOR)	450 HP D-off		$556,192	128.79	35.02	35.39	17.32	17.23	812
	T60SO003	STT-100	10,000 GALLON (WITH CAT 631E TRACTOR)	450 HP D-off		$565,166	130.34	35.60	35.99	17.60	17.23	897
	T60SO004	STT-120	12,000 GALLON (WITH CAT 651E TRACTOR)	550 HP D-off		$702,629	161.83	44.22	44.67	21.88	21.05	1,149
	T60SO005	STT-140	14,000 GALLON (WITH CAT 651E TRACTOR)	550 HP D-off		$714,518	163.90	44.99	45.47	22.25	21.05	1,184

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
T65	**TUNNEL/MINING EQUIPMENT**												
	SUBCATEGORY 0.10		**DRIFTING & TUNNELING DRILLS**										
			ATLAS COPCO										
	T65AS001	H104	HYDRAULIC SINGLE-BOOM DRILL FOR CROSS SECTIONS, 65-215 SF	67 HP	D-off		$374,362	69.61	22.47	22.65	11.14	3.19	192
	T65AS002	H244	HYDRAULIC SINGLE-BOOM DRILL FOR CROSS SECTIONS, 108-345 SF	114 HP	D-off		$565,955	105.95	33.99	34.28	16.85	5.42	289
	T65AS005	H185	HYDRAULIC TWIN-BOOM DRILL FOR CROSS SECTIONS, 480-1070 SF	322 HP	D-off		$1,299,438	247.18	78.04	78.71	38.68	15.31	684
	T65AS006	H179	HYDRAULIC FOUR-BOOM DRILL FOR CROSS SECTIONS, 700-1600 SF	268 HP	D-off		$1,503,450	279.34	90.25	91.00	44.75	12.75	957
	SUBCATEGORY 0.20		**TUNNEL BORING MACHINES**										
			ATLAS COPCO										
	T65AS009	JARVA MK8	TUNNEL BORING MACHINE 475 TON THRUST, 8'-10' DIAMETER	697 HP	E		$2,861,260	444.56	151.75	135.12	84.19	45.37	10,472
	T65AS010	JARVA MK12	TUNNEL BORING MACHINE 750 TON THRUST, 11'-14' DIAMETER	1,207 HP	E		$4,187,198	672.38	222.07	197.73	123.20	78.58	16,535
			VOEST- ALPINE										
	T65VA001	ATB 35	TUNNEL BORING MACHINE, 150 TON 3.5' DIAMETER (EXCLUDES TRAIN)	1,250 HP	E		$3,920,875	631.21	207.94	185.15	115.36	81.38	3,307
	T65VA002	ATB 45	TUNNEL BORING MACHINE, 225 TON 5' DIAMETER (EXCLUDES TRAIN)	1,275 HP	E		$6,338,113	940.42	336.14	299.30	186.49	83.00	4,960
	T65VA003	ATB 80	TUNNEL BORING MACHINE, 500 TON 8' DIAMETER (EXCLUDES TRAIN)	2,885 HP	E		$13,830,924	2,063.18	733.52	653.13	406.95	187.81	11,023
	SUBCATEGORY 0.30		**PRODUCTION DRILLING RIGS**										
			ATLAS COPCO										
	T65AS012	SIMBA H350	HYDRAULIC PRODUCTION DRILL RIG, HIGH CAPACITY, METHOD MATCHED	120 HP	E		$545,947	125.97	35.68	38.60	16.38	8.93	254

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.40		**ROADHEADERS & CONTINUOUS MINERS**										
			ATLAS COPCO										
	T65AS016	ET 120-L	ROADHEADER, 32 TONS, 213" X 158" CUTTING RANGE	284 HP	E		$1,114,160	206.44	62.55	59.19	32.95	18.49	639
	T65AS017	ET 210-L	ROADHEADER, 57 TONS, 270" X 186" CUTTING RANGE	456 HP	E		$1,712,495	319.27	96.13	90.98	50.64	29.69	1,146
	T65AS018	ET 380-L	ROADHEADER, 99 TONS, 386" X 276" CUTTING RANGE	510 HP	E		$2,522,683	451.34	141.61	134.02	74.60	33.20	1,984
			ANDERSON TUNNELING										
	T65AT003	RH 22	ROADHEADER, 35 TON, 213" X 197" CUTTING RANGE	300 HP	E		$954,092	183.29	53.56	50.69	28.21	19.53	770
	T65AT004	RH 45	ROADHEADER, 50 TON	645 HP	E		$1,202,579	262.35	67.51	63.89	35.56	41.99	1,100
	T65AT006	RH90	ROADHEADER, 90 TON, 236" X 197" CUTTING RANGE	486 HP	E		$2,058,398	376.68	115.55	109.35	60.87	31.64	1,980
			DOSCO CORPORATION										
	T65DO004	TB 3000	TWIN BOOM MINER, 137.8 TON, 236" X 350" CUTTING RANGE	995 HP	E		$3,460,937	653.98	194.27	183.86	102.34	64.77	2,756
	SUBCATEGORY 0.50		**ROCK BOLTING EQUIPMENT**										
			ATLAS COPCO										
	T65AS020	BOLTEC H625L	ROCK BOLTER, 32' VERTICAL REACH	50 HP	E	52 HP D-off	$650,700	148.45	46.47	51.95	20.49	4.08	162
	T65AS021	BOLTEC H735H	ROCK BOLTER, 34' VERTICAL REACH	50 HP	E	82 HP D-off	$784,318	177.92	56.01	62.64	24.69	4.29	202
			FLETCHER MINING EQUIPMENT										
	T65FL002	DDR	DUAL HEAD ROOF BOLTER, ANGLE DRILLING, 17.5 TONS, 9' REACH	80 HP	E		$223,086	59.77	15.91	17.78	7.02	5.95	350
	T65FL004	HDDR	DUAL HEAD ROOF BOLTER, WALK- THRU CHASSIS, 20 TONS, 18' REACH	80 HP	E		$303,945	77.18	21.68	24.21	9.57	5.95	400

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER - FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.61		**LOADING & HAULING EQUIPMENT, DIESEL OR GAS**									
			EIMCO (EJC)									
	T65EI007	EJC 60	LOAD HAUL DUMP, 1.5 CY BUCKET, 6,000 LB. PAYLOAD	50 HP D-off		$108,012	18.92	5.99	5.33	3.32	2.09	132
	T65EI009	EJC 100	LOAD HAUL DUMP, 2.8 CY BUCKET, 10,000 LB. PAYLOAD	100 HP D-off		$187,512	34.72	10.37	9.21	5.76	4.18	310
	T65EI004	EJC 210	LOAD HAUL DUMP, 6.0 CY BUCKET, 21,000 LB. PAYLOAD	231 HP D-off		$276,854	57.44	15.15	13.29	8.50	9.65	553
	T65EI005	EJC 300	LOAD HAUL DUMP, 8.0 CY BUCKET, 30,000 LB. PAYLOAD	277 HP D-off		$353,557	67.77	19.20	16.70	10.85	11.57	705
	T65EI006	EJC 400	LOAD HAUL DUMP, 16.0 CY BUCKET, 40,000 LB. PAYLOAD	325 HP D-off		$543,351	98.59	29.44	25.52	16.68	13.57	1,322
	T65EI011	EJC 985-T15	END DUMP TRUCK, 10 CY CAPACITY, 30,000 LB PAYLOAD, 4X4	185 HP D-off		$170,243	36.88	9.37	8.28	5.23	7.73	280
	T65EI012	EJC 430	END DUMP TRUCK ,18 CY CAPACITY, 60,000 LB PAYLOAD, 4X4	277 HP D-off		$271,836	61.26	14.76	12.83	8.34	11.57	530
			ATLAS COPCO WAGNER									
	T65WG001	HST-1A	SCOOPTRAM, 1.0 CY BUCKET, 3000 LB CAPACITY	55 HP D-off		$147,055	24.05	8.17	7.32	4.51	2.30	111
	T65WG002	ST-2D	SCOOPTRAM, 2.5 CY BUCKET, 8000 LB CAPACITY, 4X4	82 HP D-off		$193,265	33.47	10.68	9.50	5.93	3.42	254
	T65WG003	ST-6C	SCOOPTRAM, 6.0 CY BUCKET, 21,000 LB CAPACITY, 4X4	231 HP D-off		$359,056	69.04	19.72	17.40	11.02	9.65	523
	T65WG008	MT-408	REAR DUMP TRUCK, 6.3 CY CAP 17,600 LB PAYLOAD, 4X4	82 HP D-off		$160,616	27.72	8.91	7.96	4.93	3.42	162
	T65WG009	MT-416	REAR DUMP TRUCK, 12.0 CY CAP 16 TON PAYLOAD, 4X4	185 HP D-off		$299,180	54.25	16.58	14.79	9.18	7.73	329
	T65WG010	MT-431B	REAR DUMP TRUCK, 22.0 CY CAP 31 TON PAYLOAD, 4X4	375 HP D-off		$494,336	96.87	27.24	24.12	15.18	15.66	670
	T65WG011	MT-444	REAR DUMP TRUCK, 33.3 CY CAP 44 TON PAYLOAD, 4X4	475 HP D-off		$571,024	116.24	31.36	27.65	17.53	19.84	783

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.62		**LOADING & HAULING EQUIPMENT, ELECTRIC**										
			VOEST- ALPINE										
	T65VA008	AL 30	FACE FEED LOADER, 1.6 CY BUCKET	100 HP	E		$635,722	104.37	35.03	31.02	19.52	6.51	500
	T65VA009	AL 60	FACE FEED LOADER, 2.6 CY BUCKET	215 HP	E		$1,040,484	164.83	57.95	52.02	31.94	14.00	1,102
			ATLAS COPCO WAGNER										
	T65WG005	EHST-1A	SCOOPTRAM, 1.0 CY BUCKET, 3000 LB CAPACITY	40 HP	E		$167,424	27.48	9.31	8.34	5.14	2.60	139
	T65WG006	EST-2D	SCOOPTRAM, 2.5 CY BUCKET, 8000 LB CAPACITY, 4X4	75 HP	E		$243,188	43.29	13.47	12.00	7.47	4.88	251
	T65WG007	EST-6C	SCOOPTRAM, 6.0 CY BUCKET, 21,000 LB CAPACITY, 4X4	175 HP	E		$459,473	87.78	25.31	22.42	14.10	11.39	497
	SUBCATEGORY 0.63		**LOADING & HAULING EQUIPMENT, AIR-POWERED**										
			ATLAS COPCO										
	T65AS024	CAVO 310	WHEELED LOAD-AND-CARRY DUMPER, 4.6 CF BUCKET (ADD COMPR)	280 CFM	A		$101,603	15.56	5.59	4.71	3.23	0.00	70
	T65AS025	CAVO 320	WHEELED OVERHEAD LOADER, 11 CF BUCKET (ADD COMPR)	280 CFM	A		$104,234	15.90	5.74	4.83	3.32	0.00	90
	SUBCATEGORY 0.90		**OTHER TUNNELING EQUIPMENT**										
			ANDERSON TUNNELING										
	T65AT007		BRIDGE CONVEYOR	25 HP	E		$64,206	13.15	3.58	3.21	1.97	1.63	22
	T65AT008		SLEWING BELT CONVEYOR	16 HP	E		$89,475	15.84	4.99	4.47	2.75	1.04	11
			DOSCO CORPORATION										
	T65DO007	24HC	DUST EXTRACTOR, 11,653 CFM CAP, 77 LBS/HR DUST LOADING	50 HP	E		$57,586	14.02	3.21	2.88	1.77	3.26	37
	T65DO008	30HC	DUST EXTRACTOR, 21,188 CFM CAP, 187 LBS/HR DUST LOADING	75 HP	E		$78,386	19.86	4.37	3.92	2.41	4.88	64

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER		VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
			DRESSER INDUSTRIES											
	T65DR005	94L/506C5	CONTINUOUS HAULAGE SYSTEM, WITH BRIDGE CONVEYOR	52 HP	E			$403,340	65.43	22.47	20.17	12.38	3.39	156
	T65DR004	5010	CONTINUOUS HAULAGE SYSTEM, WITH BRIDGE CONVEYOR	60 HP	E			$576,411	91.38	32.10	28.82	17.69	3.91	233
			EIMCO (EJC)											
	T65EI014	EJC 955	UTILITY VEHICLE, W/SCISSOR LIFT, 3,000 LB PAYLOAD	40 HP	D-off			$75,047	13.32	4.16	3.72	2.30	1.67	60
	T65EI015	EKC 975A	UTILITY VEHICLE, W/FLATBED	90 HP	D-off			$88,516	18.30	4.91	4.37	2.72	3.76	100
			TELEDYNE SPECIALTY EQUIPMENT CM PRODUCTS											
	T65TL003		ANFO EXPLOS. LDR VEH, 1,200 LB CAP	84 HP	D-off	86 HP	D-off	$165,357	30.47	9.16	8.16	5.08	4.21	280
	T65TL005		HEAVY DUTY SCISSOR LIFT, 6,000LB CAP	84 HP	D-off	86 HP	D-off	$126,614	24.84	7.00	6.22	3.89	4.21	280
W25	**WATER & CO2 BLASTERS**													
	SUBCATEGORY 0.10		**LOW PRESSURE, (< 5,000 PSI)**											
			CDS GROUP											
	W25CD001	16W	ACCUSTRIP WET ABRASIVE BLASTER 6 CF, 1 NOZ (ADD COMPRESSOR)	1,600 CFM	A			$18,564	11.43	2.50	3.71	0.64	0.00	12
	W25CD002	220	ACCUSTRIP WET ABRASIVE BLASTER 20 CF, 2 NOZ (ADD COMPRESSOR)	1,600 CFM	A			$30,917	18.96	4.16	6.18	1.07	0.00	19
			SIOUX STEAM CLEANER CORPORATION											
	W25SD001	513-5-E	COLD WATER, 1,400 PSI	5 HP	E			$3,589	2.78	0.48	0.72	0.12	0.44	4
	W25SD002	EN-140-H4-1800	HOT WATER, 1,800 PSI	3 HP	E			$8,560	5.45	1.16	1.71	0.30	0.27	5
	W25SD005	514-4-G	COLD WATER, 4 GPM, 2,500 PSI	11 HP	G			$4,826	5.22	0.66	0.97	0.17	1.81	4
	W25SD003	515-5-G	COLD WATER, 3,000 PSI	14 HP	G			$5,530	6.27	0.75	1.11	0.19	2.30	5
	W25SD004	370H	HOT WATER, 3,000 PSI, TRLR MTD	23 HP	G			$10,928	11.32	1.45	2.14	0.38	3.78	19

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 9 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.20		**HIGH PRESSURE, (>= 5,000 PSI)**										
			NLB CORPORATION										
	W25NL001	6200E	WATER BLASTING PUMPING UNIT, 50 GPM AT 1000-6000 PSI, 50 LF HOSE, ADJUSTABLE DISCHARGE	200 HP	E		$61,797	65.20	8.31	12.36	2.13	17.67	118
	W25NL003	201536D	WATER BLASTING PUMPING UNIT, 13.2 GPM AT 20,000 PSI, 50 LF HOSE (W/CLEANING LANCE) SKID MOUNTED	150 HP	D-off		$66,361	52.85	8.93	13.27	2.29	8.53	78
	W25NL002	20253D	WATER BLASTER, 22 GPM AT 20,000 PSI SKID MOUNTED(ADD TRUCK, FLATBED TRAILER, AND WATER TANKER)	335 HP	D-off		$103,676	90.35	13.95	20.74	3.58	19.04	140
	W25NL005	20600D	WATER BLASTER, 53 GPM AT 20,000 PSI, SKID MOUNTED (ADD TRUCK, FLATBED TRAILER, AND WATER TANKER)	700 HP	D-off		$253,433	211.66	34.10	50.69	8.75	39.79	200
	W25NL004	4400	CONCRETE BUSTER (ADD 20600D)	40 HP	D-off		$135,595	87.08	18.16	26.95	4.68	2.27	80
			WEATHERFORD U.S., INC.										
	W25WE001	WBE 50	7 GPM AT 10,000 PSI (WITH 2 NOZZLES) TRAILER MOUNTED	50 HP	E		$30,240	25.78	4.00	5.92	1.04	4.42	27
	W25WE002	WBE 75	10 GPM AT 10,000 PSI (WITH 2 NOZZLES) TRAILER MOUNTED	75 HP	E		$33,510	31.43	4.45	6.58	1.16	6.63	29
	W25WE003	WBD 90	10 GPM AT 10,000 PSI (WITH 2 NOZZLES) TRAILER MOUNTED	91 HP	D-off		$36,651	29.61	4.88	7.21	1.27	5.17	34
	W25WE004	WBE 150	20 GPM AT 10,000 PSI (WITH 2 NOZZLES) TRAILER MOUNTED	150 HP	E		$59,153	58.15	7.90	11.71	2.04	13.25	39
	W25WE005	WBD15O	20 GPM AT 10,000 PSI (WITH 2 NOZZLES) TRAILER MOUNTED	160 HP	D-off		$73,108	57.59	9.77	14.50	2.52	9.09	59
	W25WE006	WBD200	20 GPM AT 16,000 PSI (WITH 2 NOZZLES) TRAILER MOUNTED	240 HP	D-off		$82,285	69.54	11.02	16.36	2.84	13.64	84
	W25WE007	WBD200T	16 GPM AT 20,000 PSI (WITH 2 NOZZLES) TRAILER MOUNTED	230 HP	D-off		$94,853	76.48	12.68	18.82	3.27	13.07	98
	SUBCATEGORY 0.30		**STEAM CLEANERS**										
			ALKOTA CLEANING SYSTEMS, INC.										
	W25AO001	90	90 GPH, 200 PSI	1 HP	E		$2,405	2.05	0.32	0.48	0.08	0.09	4

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
W25			***ALKOTA CLEANING SYSTEMS, INC. (continued)***										
	W25AO002	120	130 GPH, 325 PSI	1 HP	E		$2,937	2.62	0.40	0.59	0.10	0.09	4
	W25AO003	181	180 GPH, 250 PSI	2 HP	E		$4,345	3.58	0.59	0.87	0.15	0.18	6
	W25AO004	240	240 GPH, 250 PSI	2 HP	E		$4,202	3.75	0.57	0.84	0.15	0.18	6
	W25AO005	301T	300 GPH, 100 PSI	4 HP	E		$8,914	7.28	1.20	1.78	0.31	0.35	10
	W25AO006	246	STEAM GENERATOR, 100 PSI	1 HP	E		$5,752	4.28	0.78	1.15	0.20	0.09	7
	SUBCATEGORY 0.40		**CO2 BLASTERS**										
			COLD JET										
	W25CJ001	65-100	CO2 BLASTER 600 LBS/HR SINGLE HOSE DELIVERY (ADD COMPR)	20 HP	E		$150,723	59.59	14.99	20.10	4.94	1.30	38
	W25CJ002	65-150	CO2 BLASTER 1200 LBS/HR SINGLE HOSE DELIVERY (ADD COMPR)	24 HP	E		$215,092	84.55	21.40	28.68	7.06	1.56	47
	W25CJ003	65-200	CO2 BLASTER 1200 LBS/HR DUAL HOSE DELIVERY (ADD COMPR)	24 HP	E		$243,014	95.19	24.17	32.40	7.97	1.56	47
W30	**WATER TANKS**												
	SUBCATEGORY 0.10		**PORTABLE WITH WHEELS**										
			MCMASTER										
	W30MG099		WATER TANK, PORTABLE, 500 GAL., POLYETHYLENE (WITH 14' UTILITY TRAILER)				$4,680	0.79	0.30	0.29	0.15	0.00	15
			SOUTHWEST ENGINEERING										
	W30SO001	EWT-8C	8,000 GAL., 10" DISCHG PIPE, MOBILE	8 HP	G		$46,203	8.78	2.95	3.02	1.44	0.90	130
	W30SO002	EWT-10C	10,000 GAL., 10" DISCHG PIPE, MOBILE	8 HP	G		$55,234	10.25	3.53	3.62	1.72	0.90	170
	W30SO003	EWT-12C	12,000 GAL., 10" DISCHG PIPE, MOBILE	8 HP	G		$60,107	11.03	3.84	3.94	1.87	0.90	185
	SUBCATEGORY 0.20		**SKID MOUNTED**										
			SOUTHWEST ENGINEERING										
	W30SO004	WST-8	8,000 GAL. STAND-TOWER TANK, 10"PIPE				$29,729	4.53	1.92	1.98	0.93	0.00	107

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 9 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1998 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
W30			***SOUTHWEST ENGINEERING (continued)***										
	W30SO005	WST-10	10,000 GAL. STAND-TOWER TANK, 10"PIPE				$33,215	5.05	2.14	2.21	1.03	0.00	122
	W30SO006	WST-12	12,000 GAL. STAND-TOWER TANK,1 0"PIPE				$38,324	5.82	2.47	2.55	1.19	0.00	142
W35	**WELDERS**												
	SUBCATEGORY 0.10		**ENGINE DRIVEN**										
			LINCOLN ELECTRIC COMPANY										
	W35LC001	POWER ARC 500	150 AMP, STICK WELDER, PORTABLE	11 HP	G		$1,973	2.48	0.16	0.18	0.07	1.52	3
	W35LC002		225 AMP, STICK & WIRE FEED, TRLR MTD	20 HP	G		$4,580	4.75	0.36	0.41	0.15	2.77	10
	W35LC003	RANGER 9	250 AMP, STICK & WIRE FEED, TRLR MTD	18 HP	G		$5,607	4.64	0.45	0.51	0.19	2.49	13
	W35LC004	RANGER 300D	300 AMP, STICK & WIRE FEED, TRLR MTD	26 HP	G		$10,358	7.28	0.82	0.95	0.34	3.60	16
	W35LC005	COMMANDER 40	400 AMP, STICK & WIRE FEED, TRLR MTD	44 HP	D-off		$13,053	5.97	1.03	1.20	0.43	2.09	24
	W35LC006	COMMANDER 50	500 AMP, STICK & WIRE FEED, TRLR MTD	44 HP	D-off		$13,266	6.02	1.05	1.22	0.44	2.09	24
	SUBCATEGORY 0.20		**ELECTRIC DRIVEN**										
			LINCOLN ELECTRIC COMPANY										
	W35LC018	SP-170T	170 AMP, WIRE FEEDER	5 HP	E		$819	0.44	0.09	0.11	0.03	0.14	1
	W35LC010	LINCWELD 225/1	225 AMP, STICK WELDER, AC/DC	15 HP	E		$479	0.77	0.05	0.06	0.02	0.42	1
	W35LC019	IDEAL ARC SP-22	250 AMP, WIRE FEEDER	11 HP	E		$2,323	1.11	0.24	0.31	0.08	0.31	3
	W35LC011	IDEAL ARC R3R-3	300 AMP, STICK WELDER	27 HP	E		$2,896	1.94	0.30	0.39	0.10	0.75	4
	W35LC012	IDEAL ARC R3R-4	400 AMP, STICK WELDER	35 HP	E		$2,927	2.29	0.30	0.39	0.10	0.98	5
	W35LC013	IDEAL ARC R3R-5	500 AMP, STICK WELDER	41 HP	E		$2,917	2.53	0.30	0.39	0.10	1.14	5
	W35LC020	PROCUT 80	85 AMP, PLASMA CUTTING TORCH	26 HP	E		$3,519	2.08	0.36	0.47	0.12	0.73	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 Conditions

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
A10																	
	A10AR001	0.51	0.13	0.00	0.00	0.00	0.00	0.50	1.14								
	A10AR002	1.29	0.32	0.00	0.00	0.00	0.00	1.26	2.87								
	A10ET001	9.37	3.02	6.18	1.92	0.12	0.02	11.47	32.10								
	A10ET002	9.78	3.15	7.73	2.40	0.12	0.02	11.97	35.17								
	A10ET003	10.10	3.25	6.18	1.92	0.12	0.02	12.37	33.96								
	A10ET004	10.25	3.30	7.73	2.40	0.12	0.02	12.55	36.37								
	A10RS001	8.93	2.89	6.35	1.97	0.19	0.03	10.94	31.30								
	A10RS002	10.70	3.46	6.35	1.97	0.19	0.03	13.11	35.81								
A15																	
	A15MG099	0.04	0.02	0.35	0.20	0.00	0.00	0.04	0.65								
	A15SR001	8.93	3.54	13.57	4.91	0.12	0.02	10.41	41.50								
	A15SR002	10.95	4.34	19.91	7.21	0.16	0.03	12.78	55.38								
	A15SR003	1.17	0.46	2.22	0.80	0.00	0.00	1.37	6.02								
	A15SR004	1.37	0.54	3.53	1.28	0.00	0.00	1.60	8.32								
	A15SR005	1.77	0.69	3.62	1.31	0.00	0.00	2.06	9.45								
	A15XX001	1.10	0.44	6.49	2.69	0.03	0.01	1.29	12.05								
	A15XX002	1.17	0.47	1.58	0.57	0.03	0.01	1.37	5.20								
	A15XX004	1.24	0.49	2.22	0.80	0.03	0.01	1.45	6.24								
	A15XX006	1.64	0.65	2.58	0.93	0.03	0.01	1.92	7.76								
	A15XX008	1.74	0.69	3.62	1.31	0.03	0.01	2.03	9.43								
	A15XX009	2.62	1.04	3.62	1.31	0.04	0.01	3.05	11.69								
	A15XX010	3.32	1.34	5.20	1.88	0.16	0.03	3.88	15.81								
	A15XX011	4.20	1.69	7.87	2.85	0.16	0.03	4.91	21.71								
	A15XX012	6.02	2.40	10.18	3.69	0.16	0.03	7.03	29.51								
	A15XX013	6.54	2.61	10.86	3.93	0.16	0.03	7.64	31.77								
	A15XX014	7.17	2.85	14.25	5.16	0.16	0.03	8.37	37.99								
	A15XX015	10.98	4.36	15.83	5.73	0.16	0.03	12.81	49.90								
	A15XX016	11.88	4.72	19.68	7.13	0.21	0.04	13.87	57.53								
	A15XX017	11.97	4.76	19.68	7.13	0.21	0.04	13.97	57.76								
	A15XX018	10.77	4.28	23.75	8.60	0.21	0.04	12.57	60.22								
A20																	
	A20CK001	0.26	0.05	0.00	0.00	0.00	0.00	0.54	0.85								
	A20CK002	0.15	0.03	0.00	0.00	0.00	0.00	0.30	0.48								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
A20	***cont.***																
	A20CK003	0.29	0.06	0.00	0.00	0.00	0.00	0.60	0.95								
	A20CK004	0.31	0.06	0.00	0.00	0.00	0.00	0.65	1.02								
	A20CK005	0.34	0.07	0.00	0.00	0.00	0.00	0.71	1.12								
	A20CK006	0.21	0.04	0.00	0.00	0.00	0.00	0.43	0.68								
	A20CK007	0.19	0.04	0.00	0.00	0.00	0.00	0.40	0.63								
	A20CK008	0.21	0.04	0.00	0.00	0.00	0.00	0.44	0.69								
	A20CK009	0.23	0.05	0.00	0.00	0.00	0.00	0.48	0.76								
	A20CK010	0.23	0.05	0.00	0.00	0.00	0.00	0.48	0.76								
	A20CM009	2.17	0.45	0.00	0.30	0.00	0.00	4.51	7.43								
	A20CM010	0.50	0.10	0.00	0.06	0.00	0.00	1.04	1.70								
	A20CM011	0.56	0.11	0.00	0.06	0.00	0.00	1.16	1.89								
	A20CM012	0.61	0.12	0.00	0.13	0.00	0.00	1.26	2.12								
	A20CM013	2.48	0.53	0.00	0.28	0.13	0.02	5.16	8.60								
	A20CM014	2.83	0.63	0.00	0.41	0.27	0.05	5.91	10.10								
	A20CM015	3.11	0.68	0.00	0.50	0.21	0.04	6.49	11.03								
	A20CM016	2.17	0.45	0.00	0.30	0.00	0.00	4.51	7.43								
	A20CM017	0.14	0.02	0.00	0.00	0.00	0.00	0.31	0.47								
	A20CM018	0.19	0.02	0.00	0.00	0.00	0.00	0.41	0.62								
	A20CM019	0.23	0.03	0.00	0.00	0.00	0.00	0.50	0.76								
	A20CM020	0.20	0.02	0.00	0.00	0.00	0.00	0.44	0.66								
	A20WC002	0.22	0.05	0.12	0.21	0.00	0.00	0.45	1.05								
	A20WC004	0.60	0.12	0.45	0.19	0.00	0.00	1.24	2.60								
	A20XX001	0.04	0.00	0.00	0.00	0.00	0.00	0.08	0.12								
	A20XX002	0.12	0.01	0.00	0.00	0.00	0.00	0.24	0.37								
	A20XX003	0.16	0.02	0.00	0.00	0.00	0.00	0.31	0.49								
	A20XX004	0.19	0.02	0.00	0.00	0.00	0.00	0.38	0.59								
	A20XX005	0.24	0.03	0.00	0.00	0.00	0.00	0.46	0.73								
	A20XX006	0.34	0.04	0.00	0.00	0.00	0.00	0.68	1.06								
	A20XX007	0.42	0.05	0.00	0.00	0.00	0.00	0.83	1.30								
	A20XX008	0.64	0.08	0.00	0.00	0.00	0.00	1.26	1.98								
	A20XX009	0.07	0.01	0.00	0.00	0.00	0.00	0.14	0.22								
	A20XX010	0.09	0.01	0.00	0.00	0.00	0.00	0.17	0.27								
	A20XX011	0.12	0.01	0.00	0.00	0.00	0.00	0.23	0.36								
	A20XX012	0.13	0.02	0.00	0.00	0.00	0.00	0.26	0.41								
	A20XX013	0.16	0.02	0.00	0.00	0.00	0.00	0.31	0.49								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
A20	***cont.***																
	A20XX014	0.26	0.03	0.00	0.00	0.00	0.00	0.51	0.80								
	A20XX015	0.29	0.03	0.00	0.00	0.00	0.00	0.57	0.89								
	A20XX016	0.41	0.05	0.00	0.00	0.00	0.00	0.81	1.27								
A25																	
	A25RS002	7.31	1.50	0.00	1.50	0.00	0.00	9.01	19.32								
	A25RS004	7.95	1.63	0.00	0.00	0.00	0.00	9.80	19.38								
	A25RS006	8.08	1.66	0.00	0.00	0.00	0.00	9.96	19.70								
	A25RS008	9.27	1.90	0.00	1.80	0.00	0.00	11.42	24.39								
A30																	
	A30BG002	28.57	8.57	4.80	3.24	1.91	0.35	44.03	91.47								
	A30BG003	30.82	9.24	6.47	3.84	2.16	0.40	47.50	100.43								
	A30BG004	28.24	8.21	4.47	3.12	0.00	0.00	43.32	87.36								
	A30BG005	33.51	9.74	6.47	3.84	0.00	0.00	51.40	104.96								
	A30BG006	36.03	10.48	8.35	4.52	0.00	0.00	55.28	114.66								
	A30BG007	22.50	6.64	4.47	3.12	0.62	0.11	34.60	72.06								
	A30BK010	13.42	3.98	1.96	0.71	0.71	0.13	20.66	41.57								
	A30BK011	19.81	5.87	4.38	1.59	0.90	0.16	30.48	63.19								
	A30BK012	22.74	6.75	4.51	1.63	1.24	0.23	35.00	72.10								
	A30BK013	24.01	7.12	6.06	2.19	1.24	0.23	36.95	77.80								
	A30BK014	27.15	8.07	7.06	2.56	1.54	0.28	41.80	88.46								
	A30BK015	27.72	8.24	7.68	2.78	1.54	0.28	42.66	90.90								
	A30BK016	24.81	7.22	4.18	1.51	0.00	0.00	38.07	75.79								
	A30BK017	30.03	8.73	7.06	2.56	0.00	0.00	46.07	94.45								
	A30BK018	30.53	8.88	7.68	2.78	0.00	0.00	46.84	96.71								
	A30BK019	14.48	5.77	4.02	1.46	0.45	0.08	18.93	45.19								
	A30BK020	18.67	7.43	6.62	2.40	0.50	0.09	24.40	60.11								
	A30BK021	60.31	17.54	7.14	2.59	0.00	0.00	92.52	180.10								
	A30CA001	5.90	1.72	1.46	0.53	0.00	0.00	9.05	18.66								
	A30CA002	25.50	7.55	4.47	1.62	1.15	0.21	39.23	79.73								
	A30CA007	8.73	3.49	4.10	1.48	0.31	0.06	11.42	29.59								
	A30CA008	30.47	9.03	7.27	2.63	1.47	0.27	46.88	98.02								
	A30CA009	37.89	11.02	7.31	2.65	0.00	0.00	58.13	117.00								
	A30XX001	8.73	4.15	3.96	1.21	0.70	0.13	7.85	26.73								
	A30XX002	10.20	4.76	3.96	1.21	0.00	0.00	9.14	29.27								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
A35																	
	A35AE001	1.18	0.30	0.00	1.95	0.06	0.01	1.55	5.05								
	A35AE002	1.22	0.31	0.00	2.65	0.06	0.01	1.61	5.86								
	A35AE003	1.34	0.34	0.00	3.00	0.04	0.01	1.75	6.48								
	A35AE004	1.47	0.37	0.00	3.90	0.04	0.01	1.92	7.71								
	A35AE005	1.58	0.40	0.00	6.10	0.08	0.01	2.08	10.25								
A40																	
	A40CA008	59.26	14.58	29.00	10.50	0.00	0.00	96.60	209.94								
	A40CA009	87.12	21.44	36.25	13.13	0.00	0.00	142.01	299.95								
	A40CW001	102.75	25.28	59.74	21.63	0.00	0.00	167.49	376.89								
A45																	
	A45AE001	1.26	0.28	0.00	7.10	0.06	0.01	1.86	10.57								
	A45AE002	2.50	0.53	0.00	14.25	0.06	0.01	3.68	21.03								
	A45AE003	2.95	0.63	0.00	16.85	0.06	0.01	4.35	24.85								
	A45SE002	3.46	0.73	2.25	2.18	0.03	0.01	5.08	13.74								
	A45SE003	4.71	1.00	3.37	3.39	0.07	0.01	6.93	19.48								
	A45SE004	2.65	0.58	1.80	1.24	0.12	0.02	3.93	10.34								
	A45XX001	6.97	1.49	0.88	0.32	0.13	0.02	10.27	20.08								
B10																	
	B10CC007	3.21	1.05	2.02	3.84	0.12	0.02	5.26	15.52								
	B10CC008	6.82	2.34	18.33	11.09	1.15	0.21	11.27	51.21								
	B10CC009	9.06	3.17	22.49	13.06	1.91	0.35	15.05	65.09								
	B10CC010	9.96	3.45	22.49	13.31	1.91	0.35	16.51	67.98								
	B10CC011	2.04	0.65	1.21	1.70	0.00	0.00	3.33	8.93								
	B10CC012	2.01	0.64	2.02	1.59	0.00	0.00	3.27	9.53								
	B10CC013	2.43	0.78	2.02	1.64	0.00	0.00	3.96	10.83								
	B10CC014	0.63	0.20	0.30	0.67	0.00	0.00	1.02	2.82								
	B10CL001	16.27	5.32	3.63	4.11	0.68	0.12	26.64	56.77								
	B10CL002	17.01	5.56	3.63	4.11	0.68	0.12	27.86	58.97								
	B10CL005	16.64	5.45	7.25	6.22	0.73	0.13	27.24	63.66								
	B10CL006	20.15	6.57	7.25	6.22	0.73	0.13	32.98	74.03								
	B10CL015	14.14	4.64	1.81	3.55	0.68	0.12	23.18	48.12								
	B10CL021	7.60	2.49	2.12	1.23	0.34	0.06	12.45	26.29								
	B10CL024	21.80	6.97	12.09	7.04	0.00	0.00	35.54	83.44								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
B10	***cont.***																
	B10CL025	24.79	7.96	12.09	7.04	0.17	0.03	40.44	92.52								
	B10CL026	1.89	0.61	0.00	0.00	0.00	0.00	3.09	5.59								
	B10CL027	2.00	0.64	0.00	0.00	0.00	0.00	3.26	5.90								
	B10CL032	0.38	0.12	0.60	0.35	0.00	0.00	0.63	2.08								
	B10CL033	0.49	0.16	0.91	0.53	0.00	0.00	0.80	2.89								
	B10CL034	0.77	0.25	1.21	0.70	0.00	0.00	1.25	4.18								
	B10CL035	0.87	0.28	1.51	0.88	0.00	0.00	1.41	4.95								
	B10CL036	0.32	0.10	0.48	0.28	0.00	0.00	0.53	1.71								
	B10CL038	0.40	0.13	0.91	0.53	0.00	0.00	0.65	2.62								
	B10CL040	0.45	0.14	1.21	0.70	0.00	0.00	0.73	3.23								
	B10CL041	0.51	0.16	1.21	0.70	0.00	0.00	0.83	3.41								
	B10CL042	0.29	0.09	0.30	0.17	0.00	0.00	0.48	1.33								
	B10CL043	0.35	0.11	0.48	0.28	0.00	0.00	0.57	1.79								
	B10CL045	0.38	0.12	0.60	0.35	0.00	0.00	0.61	2.06								
	B10CL046	0.44	0.14	0.60	0.35	0.00	0.00	0.72	2.25								
	B10EM001	37.03	12.07	2.81	3.66	1.37	0.25	60.59	117.78								
	B10EM002	0.53	0.23	1.21	1.70	0.33	0.06	0.93	4.99								
	B10EM003	2.53	0.81	0.00	0.00	0.00	0.00	4.13	7.47								
	B10IE001	3.90	1.27	0.18	1.60	0.14	0.03	6.38	13.50								
	B10IE002	4.53	1.46	0.30	0.67	0.05	0.01	7.39	14.41								
	B10IE003	0.60	0.20	0.18	0.60	0.05	0.01	0.98	2.62								
	B10KB001	12.22	3.97	5.74	3.34	0.38	0.07	19.98	45.70								
	B10KB002	22.43	7.24	13.30	7.74	0.43	0.08	36.63	87.85								
	B10RC006	17.39	5.64	2.75	6.10	0.43	0.08	28.42	60.81								
	B10RC007	14.29	4.62	0.91	3.03	0.29	0.05	23.35	46.54								
	B10RC008	14.56	4.70	1.81	3.55	0.29	0.05	23.78	48.74								
	B10RC016	21.34	6.90	4.53	8.14	0.43	0.08	34.86	76.28								
	B10RC027	13.24	4.23	2.42	3.41	0.00	0.00	21.59	44.89								
	B10RC028	14.88	4.76	3.63	4.36	0.00	0.00	24.26	51.89								
	B10RC029	16.83	5.38	4.84	5.32	0.00	0.00	27.43	59.80								
	B10RC030	18.34	5.86	6.05	7.27	0.00	0.00	29.89	67.41								
	B10RC031	19.37	6.19	7.25	8.22	0.00	0.00	31.57	72.60								
	B10RC032	19.01	6.16	3.02	6.26	0.43	0.08	31.07	66.03								
	B10RK001	48.33	15.73	6.89	4.49	1.58	0.29	79.07	156.38								
	B10SN031	4.62	1.50	0.91	1.88	0.14	0.03	7.54	16.62								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
B10	***cont.***																
	B10SN032	10.13	3.39	1.81	2.80	0.82	0.15	16.67	35.77								
	B10SN033	8.47	2.86	1.81	2.55	0.80	0.15	13.95	30.59								
	B10SN034	9.80	3.29	1.21	2.20	0.82	0.15	16.13	33.60								
	B10SN035	10.80	3.61	1.21	2.35	0.82	0.15	17.76	36.70								
	B10SN036	13.35	4.42	2.72	3.33	0.82	0.15	21.92	46.71								
B15																	
	B15MB001	0.60	0.16	0.00	0.10	0.00	0.00	0.69	1.55								
	B15MB002	0.87	0.23	0.00	0.14	0.00	0.00	1.00	2.24								
	B15MB003	1.02	0.28	0.00	0.24	0.05	0.01	1.17	2.77								
	B15MB004	1.17	0.32	2.02	0.63	0.05	0.01	1.35	5.55								
	B15RS001	4.18	1.12	2.91	1.05	0.11	0.02	4.80	14.19								
	B15RS002	4.39	1.17	0.00	0.50	0.00	0.00	5.04	11.10								
	B15RS003	4.82	1.28	0.00	0.60	0.00	0.00	5.53	12.23								
	B15RS004	5.59	1.48	0.00	0.70	0.00	0.00	6.41	14.18								
B20																	
	B20MQ001	1.45	0.39	3.94	1.63	0.03	0.01	1.88	9.33								
	B20MQ002	2.38	0.64	3.06	1.11	0.04	0.01	3.08	10.32								
	B20MQ003	2.56	0.69	15.18	6.28	0.05	0.01	3.30	28.07								
	B20MQ004	4.24	1.15	6.70	2.43	0.14	0.03	5.48	20.17								
	B20MQ005	36.49	9.74	22.97	9.82	0.32	0.06	47.10	126.50								
	B20VE001	2.36	0.63	3.10	1.12	0.03	0.01	3.05	10.30								
	B20VE002	2.85	0.77	3.90	1.41	0.06	0.01	3.68	12.68								
	B20VE003	1.07	0.30	2.47	1.02	0.10	0.02	1.38	6.36								
	B20VE004	2.32	0.63	1.91	0.69	0.06	0.01	3.00	8.62								
	B20VE005	3.07	0.82	3.10	1.12	0.05	0.01	3.96	12.13								
B25																	
	B25GE001	9.98	2.65	0.00	0.00	0.00	0.00	9.74	22.37	12.29	2.71	0.00	0.00	0.00	0.00	13.69	28.69
	B25GE002	10.70	2.84	0.00	0.00	0.00	0.00	10.44	23.98	13.17	2.90	0.00	0.00	0.00	0.00	14.68	30.75
	B25GE003	11.46	3.04	0.00	0.00	0.00	0.00	11.18	25.68	14.11	3.11	0.00	0.00	0.00	0.00	15.72	32.94
	B25GE004	12.71	3.37	0.00	0.00	0.00	0.00	12.40	28.48	15.64	3.45	0.00	0.00	0.00	0.00	17.43	36.52
	B25GE005	13.95	3.70	0.00	0.00	0.00	0.00	13.61	31.26	17.17	3.78	0.00	0.00	0.00	0.00	19.14	40.09
	B25GE006	15.13	4.02	0.00	0.00	0.00	0.00	14.76	33.91	18.62	4.10	0.00	0.00	0.00	0.00	20.76	43.48
	B25GE007	16.37	4.35	0.00	0.00	0.00	0.00	15.97	36.69	20.15	4.44	0.00	0.00	0.00	0.00	22.46	47.05

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
B25	***cont.***																
	B25GE008	17.60	4.67	0.00	0.00	0.00	0.00	17.17	39.44	21.66	4.77	0.00	0.00	0.00	0.00	24.13	50.56
	B25GE009	18.84	5.00	0.00	0.00	0.00	0.00	18.38	42.22	23.19	5.11	0.00	0.00	0.00	0.00	25.85	54.15
	B25GE010	20.09	5.33	0.00	0.00	0.00	0.00	19.60	45.02	24.72	5.45	0.00	0.00	0.00	0.00	27.55	57.72
	B25GE011	20.73	5.50	0.00	0.00	0.00	0.00	20.22	46.45	25.52	5.62	0.00	0.00	0.00	0.00	28.44	59.58
	B25HB001	1.80	0.48	0.00	0.00	0.00	0.00	1.76	4.04	2.21	0.49	0.00	0.00	0.00	0.00	2.47	5.17
	B25HB002	2.08	0.55	0.00	0.00	0.00	0.00	2.03	4.66	2.56	0.56	0.00	0.00	0.00	0.00	2.86	5.98
	B25HB003	2.89	0.77	0.00	0.00	0.00	0.00	2.82	6.48	3.56	0.78	0.00	0.00	0.00	0.00	3.96	8.30
	B25HB004	3.03	0.80	0.00	0.00	0.00	0.00	2.95	6.78	3.72	0.82	0.00	0.00	0.00	0.00	4.15	8.69
	B25HB005	3.76	1.00	0.00	0.00	0.00	0.00	3.66	8.42	4.62	1.02	0.00	0.00	0.00	0.00	5.15	10.79
	B25HB006	4.15	1.10	0.00	0.00	0.00	0.00	4.05	9.30	5.11	1.13	0.00	0.00	0.00	0.00	5.70	11.94
	B25HB007	4.43	1.18	0.00	0.00	0.00	0.00	4.33	9.94	5.46	1.20	0.00	0.00	0.00	0.00	6.08	12.74
	B25HB008	5.17	1.37	0.00	0.00	0.00	0.00	5.04	11.58	6.36	1.40	0.00	0.00	0.00	0.00	7.09	14.85
	B25HB009	5.70	1.51	0.00	0.00	0.00	0.00	5.56	12.77	7.01	1.54	0.00	0.00	0.00	0.00	7.81	16.36
	B25HB010	6.02	1.60	0.00	0.00	0.00	0.00	5.87	13.49	7.41	1.63	0.00	0.00	0.00	0.00	8.25	17.29
	B25HB011	6.19	1.64	0.00	0.00	0.00	0.00	6.04	13.87	7.62	1.68	0.00	0.00	0.00	0.00	8.49	17.79
	B25HB012	6.56	1.74	0.00	0.00	0.00	0.00	6.40	14.70	8.07	1.78	0.00	0.00	0.00	0.00	8.99	18.84
	B25HB013	6.77	1.80	0.00	0.00	0.00	0.00	6.61	15.18	8.34	1.84	0.00	0.00	0.00	0.00	9.29	19.47
	B25HB014	7.07	1.88	0.00	0.00	0.00	0.00	6.90	15.85	8.71	1.92	0.00	0.00	0.00	0.00	9.70	20.33
	B25HB015	7.34	1.95	0.00	0.00	0.00	0.00	7.16	16.45	9.03	1.99	0.00	0.00	0.00	0.00	10.07	21.09
	B25PL001	2.66	0.71	0.00	0.00	0.00	0.00	2.60	5.97	3.27	0.72	0.00	0.00	0.00	0.00	3.65	7.64
	B25PL002	2.80	0.74	0.00	0.00	0.00	0.00	2.73	6.27	3.45	0.76	0.00	0.00	0.00	0.00	3.84	8.05
	B25PL003	3.76	1.00	0.00	0.00	0.00	0.00	3.67	8.43	4.63	1.02	0.00	0.00	0.00	0.00	5.16	10.81
	B25PL004	4.40	1.17	0.00	0.00	0.00	0.00	4.30	9.87	5.42	1.19	0.00	0.00	0.00	0.00	6.04	12.65
	B25PL005	4.94	1.31	0.00	0.00	0.00	0.00	4.82	11.07	6.08	1.34	0.00	0.00	0.00	0.00	6.78	14.20
	B25PL006	2.02	0.54	0.00	0.00	0.00	0.00	1.97	4.53	2.48	0.55	0.00	0.00	0.00	0.00	2.77	5.80
	B25PL007	2.55	0.68	0.00	0.00	0.00	0.00	2.49	5.72	3.14	0.69	0.00	0.00	0.00	0.00	3.50	7.33
	B25PL008	2.75	0.73	0.00	0.00	0.00	0.00	2.68	6.16	3.38	0.75	0.00	0.00	0.00	0.00	3.77	7.90
	B25PL009	2.96	0.78	0.00	0.00	0.00	0.00	2.88	6.62	3.64	0.80	0.00	0.00	0.00	0.00	4.05	8.49
	B25PL010	3.27	0.87	0.00	0.00	0.00	0.00	3.19	7.33	4.02	0.89	0.00	0.00	0.00	0.00	4.48	9.39
	B25PL011	4.04	1.07	0.00	0.00	0.00	0.00	3.94	9.05	4.97	1.09	0.00	0.00	0.00	0.00	5.54	11.60
	B25PL012	2.21	0.59	0.00	0.00	0.00	0.00	2.15	4.95	2.72	0.60	0.00	0.00	0.00	0.00	3.03	6.35
	B25PL013	2.69	0.71	0.00	0.00	0.00	0.00	2.62	6.02	3.31	0.73	0.00	0.00	0.00	0.00	3.68	7.72
	B25PL014	3.01	0.80	0.00	0.00	0.00	0.00	2.93	6.74	3.70	0.82	0.00	0.00	0.00	0.00	4.13	8.65
	B25PL015	3.14	0.83	0.00	0.00	0.00	0.00	3.06	7.03	3.86	0.85	0.00	0.00	0.00	0.00	4.30	9.01
	B25PL016	3.58	0.95	0.00	0.00	0.00	0.00	3.49	8.02	4.41	0.97	0.00	0.00	0.00	0.00	4.91	10.29

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
B25	***cont.***																
	B25PL017	4.37	1.16	0.00	0.00	0.00	0.00	4.26	9.79	5.38	1.18	0.00	0.00	0.00	0.00	5.99	12.55
B30																	
	B30CR001	0.46	0.11	0.00	0.00	0.00	0.00	0.49	1.06								
	B30CR002	0.49	0.12	0.00	0.00	0.00	0.00	0.52	1.13								
	B30CR003	0.53	0.13	0.00	0.00	0.00	0.00	0.56	1.22								
	B30CR004	0.55	0.13	0.00	0.00	0.00	0.00	0.59	1.27								
	B30CR005	0.65	0.16	0.00	0.00	0.00	0.00	0.69	1.50								
	B30CR006	0.77	0.19	0.00	0.00	0.00	0.00	0.81	1.77								
	B30CR009	0.69	0.17	0.00	0.00	0.00	0.00	0.72	1.58								
	B30CR010	0.80	0.19	0.00	0.00	0.00	0.00	0.84	1.83								
	B30CR011	0.95	0.23	0.00	0.00	0.00	0.00	1.00	2.18								
	B30CR012	1.09	0.27	0.00	0.00	0.00	0.00	1.15	2.51								
	B30GB001	0.32	0.08	0.00	0.00	0.00	0.00	0.30	0.70								
	B30GB002	0.42	0.10	0.00	0.00	0.00	0.00	0.39	0.91								
	B30GB003	0.52	0.13	0.00	0.00	0.00	0.00	0.48	1.13								
	B30GB004	0.76	0.19	0.00	0.00	0.00	0.00	0.71	1.66								
	B30GB005	0.91	0.22	0.00	0.00	0.00	0.00	0.84	1.97								
	B30GB006	1.65	0.40	0.00	0.00	0.00	0.00	1.63	3.68								
	B30GB007	1.78	0.43	0.00	0.00	0.00	0.00	1.77	3.98								
	B30GB008	1.99	0.48	0.00	0.00	0.00	0.00	1.97	4.44								
	B30GB009	2.28	0.55	0.00	0.00	0.00	0.00	2.26	5.09								
	B30GB010	2.83	0.69	0.00	0.00	0.00	0.00	2.80	6.32								
	B30GB011	1.31	0.32	0.00	0.00	0.00	0.00	1.38	3.01								
	B30GB012	1.35	0.33	0.00	0.00	0.00	0.00	1.43	3.11								
	B30GB013	1.41	0.34	0.00	0.00	0.00	0.00	1.48	3.23								
	B30GB014	1.87	0.45	0.00	0.00	0.00	0.00	1.97	4.29								
	B30GB015	1.94	0.47	0.00	0.00	0.00	0.00	2.04	4.45								
	B30GB016	2.79	0.68	0.00	0.00	0.00	0.00	2.94	6.41								
	B30GB017	3.35	0.81	0.00	0.00	0.00	0.00	3.54	7.70								
B35																	
	B35HE001	0.57	0.15	0.00	0.00	0.00	0.00	0.56	1.28	0.71	0.16	0.00	0.00	0.00	0.00	0.79	1.66
	B35HE002	0.68	0.18	0.00	0.00	0.00	0.00	0.67	1.53	0.84	0.18	0.00	0.00	0.00	0.00	0.94	1.96
	B35HE003	0.90	0.24	0.00	0.00	0.00	0.00	0.88	2.02	1.11	0.24	0.00	0.00	0.00	0.00	1.24	2.59
	B35HE004	1.07	0.28	0.00	0.00	0.00	0.00	1.04	2.39	1.31	0.29	0.00	0.00	0.00	0.00	1.46	3.06

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
B35	***cont.***																
	B35HE005	1.25	0.33	0.00	0.00	0.00	0.00	1.22	2.80	1.54	0.34	0.00	0.00	0.00	0.00	1.72	3.60
	B35HE006	1.55	0.41	0.00	0.00	0.00	0.00	1.51	3.47	1.90	0.42	0.00	0.00	0.00	0.00	2.12	4.44
	B35HE007	1.71	0.45	0.00	0.00	0.00	0.00	1.67	3.83	2.10	0.46	0.00	0.00	0.00	0.00	2.34	4.90
	B35HE008	2.09	0.55	0.00	0.00	0.00	0.00	2.04	4.68	2.57	0.57	0.00	0.00	0.00	0.00	2.86	6.00
	B35HE009	2.22	0.59	0.00	0.00	0.00	0.00	2.16	4.97	2.73	0.60	0.00	0.00	0.00	0.00	3.04	6.37
	B35HE010	2.68	0.71	0.00	0.00	0.00	0.00	2.61	6.00	3.29	0.73	0.00	0.00	0.00	0.00	3.67	7.69
	B35HE011	2.90	0.77	0.00	0.00	0.00	0.00	2.83	6.50	3.57	0.79	0.00	0.00	0.00	0.00	3.98	8.34
	B35HE012	3.17	0.84	0.00	0.00	0.00	0.00	3.09	7.10	3.90	0.86	0.00	0.00	0.00	0.00	4.35	9.11
	B35HE013	3.52	0.93	0.00	0.00	0.00	0.00	3.43	7.88	4.33	0.95	0.00	0.00	0.00	0.00	4.82	10.10
	B35HE014	4.06	1.08	0.00	0.00	0.00	0.00	3.96	9.10	5.00	1.10	0.00	0.00	0.00	0.00	5.57	11.67
	B35HE015	4.41	1.17	0.00	0.00	0.00	0.00	4.30	9.88	5.43	1.20	0.00	0.00	0.00	0.00	6.05	12.68
	B35HE016	5.42	1.44	0.00	0.00	0.00	0.00	5.29	12.15	6.67	1.47	0.00	0.00	0.00	0.00	7.43	15.57
	B35HE017	6.23	1.65	0.00	0.00	0.00	0.00	6.08	13.96	7.67	1.69	0.00	0.00	0.00	0.00	8.54	17.90
	B35HE018	0.59	0.17	0.00	0.00	0.00	0.00	0.58	1.34	0.76	0.18	0.00	0.00	0.00	0.00	0.85	1.79
	B35HE019	0.67	0.20	0.00	0.00	0.00	0.00	0.66	1.53	0.86	0.20	0.00	0.00	0.00	0.00	0.96	2.02
	B35HE020	0.92	0.27	0.00	0.00	0.00	0.00	0.89	2.08	1.18	0.28	0.00	0.00	0.00	0.00	1.31	2.77
	B35HE021	1.09	0.32	0.00	0.00	0.00	0.00	1.07	2.48	1.41	0.33	0.00	0.00	0.00	0.00	1.57	3.31
	B35HE022	1.28	0.38	0.00	0.00	0.00	0.00	1.25	2.91	1.65	0.39	0.00	0.00	0.00	0.00	1.84	3.88
	B35HE023	1.51	0.45	0.00	0.00	0.00	0.00	1.47	3.43	1.94	0.46	0.00	0.00	0.00	0.00	2.16	4.56
	B35HE024	1.67	0.49	0.00	0.00	0.00	0.00	1.62	3.78	2.14	0.50	0.00	0.00	0.00	0.00	2.39	5.03
	B35HE025	2.00	0.59	0.00	0.00	0.00	0.00	1.95	4.54	2.58	0.61	0.00	0.00	0.00	0.00	2.87	6.06
	B35HE026	2.14	0.63	0.00	0.00	0.00	0.00	2.09	4.86	2.75	0.65	0.00	0.00	0.00	0.00	3.07	6.47
	B35HE027	2.74	0.81	0.00	0.00	0.00	0.00	2.68	6.23	3.53	0.83	0.00	0.00	0.00	0.00	3.93	8.29
	B35HE028	2.84	0.84	0.00	0.00	0.00	0.00	2.77	6.45	3.65	0.86	0.00	0.00	0.00	0.00	4.06	8.57
	B35HE029	3.24	0.96	0.00	0.00	0.00	0.00	3.16	7.36	4.16	0.98	0.00	0.00	0.00	0.00	4.64	9.78
	B35HE030	3.56	1.05	0.00	0.00	0.00	0.00	3.48	8.09	4.58	1.08	0.00	0.00	0.00	0.00	5.11	10.77
	B35HE031	4.27	1.26	0.00	0.00	0.00	0.00	4.17	9.70	5.49	1.29	0.00	0.00	0.00	0.00	6.12	12.90
	B35HE032	4.55	1.34	0.00	0.00	0.00	0.00	4.44	10.33	5.85	1.38	0.00	0.00	0.00	0.00	6.52	13.75
	B35HE033	5.87	1.73	0.00	0.00	0.00	0.00	5.72	13.32	7.54	1.77	0.00	0.00	0.00	0.00	8.40	17.71
	B35HE034	6.53	1.93	0.00	0.00	0.00	0.00	6.37	14.83	8.40	1.98	0.00	0.00	0.00	0.00	9.36	19.74
	B35HE035	1.99	0.65	0.00	0.00	0.00	0.00	1.94	4.58	2.49	0.66	0.00	0.00	0.00	0.00	2.77	5.92
	B35HE036	2.08	0.68	0.00	0.00	0.00	0.00	2.03	4.79	2.59	0.69	0.00	0.00	0.00	0.00	2.89	6.17
	B35HE037	2.34	0.76	0.00	0.00	0.00	0.00	2.28	5.38	2.92	0.77	0.00	0.00	0.00	0.00	3.25	6.94
	B35HE038	3.17	1.03	0.00	0.00	0.00	0.00	3.09	7.29	3.96	1.05	0.00	0.00	0.00	0.00	4.42	9.43
	B35HE039	3.55	1.15	0.00	0.00	0.00	0.00	3.46	8.16	4.43	1.18	0.00	0.00	0.00	0.00	4.94	10.55

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
B35	***cont.***																
	B35HE040	3.66	1.19	0.00	0.00	0.00	0.00	3.57	8.42	4.58	1.21	0.00	0.00	0.00	0.00	5.10	10.89
	B35HE041	3.92	1.28	0.00	0.00	0.00	0.00	3.82	9.02	4.90	1.30	0.00	0.00	0.00	0.00	5.46	11.66
	B35HE042	4.97	1.62	0.00	0.00	0.00	0.00	4.84	11.43	6.21	1.65	0.00	0.00	0.00	0.00	6.92	14.78
	B35HE043	5.11	1.66	0.00	0.00	0.00	0.00	4.98	11.75	6.38	1.69	0.00	0.00	0.00	0.00	7.12	15.19
	B35HE044	6.50	2.11	0.00	0.00	0.00	0.00	6.34	14.95	8.13	2.16	0.00	0.00	0.00	0.00	9.06	19.35
	B35HE045	6.71	2.18	0.00	0.00	0.00	0.00	6.54	15.43	8.38	2.23	0.00	0.00	0.00	0.00	9.34	19.95
	B35HE046	7.94	2.58	0.00	0.00	0.00	0.00	7.75	18.27	9.93	2.64	0.00	0.00	0.00	0.00	11.07	23.64
	B35HE047	8.47	2.76	0.00	0.00	0.00	0.00	8.26	19.49	10.59	2.81	0.00	0.00	0.00	0.00	11.80	25.20
	B35SA001	1.84	0.49	0.00	0.00	0.00	0.00	1.80	4.13	2.27	0.50	0.00	0.00	0.00	0.00	2.53	5.30
	B35SA002	2.22	0.59	0.00	0.00	0.00	0.00	2.17	4.98	2.74	0.60	0.00	0.00	0.00	0.00	3.05	6.39
	B35SA003	2.77	0.73	0.00	0.00	0.00	0.00	2.70	6.20	3.41	0.75	0.00	0.00	0.00	0.00	3.79	7.95
	B35SA004	3.80	1.01	0.00	0.00	0.00	0.00	3.70	8.51	4.67	1.03	0.00	0.00	0.00	0.00	5.21	10.91
	B35SA005	4.76	1.26	0.00	0.00	0.00	0.00	4.64	10.66	5.86	1.29	0.00	0.00	0.00	0.00	6.53	13.68
	B35SA006	5.61	1.49	0.00	0.00	0.00	0.00	5.47	12.57	6.90	1.52	0.00	0.00	0.00	0.00	7.69	16.11
	B35SA007	6.31	1.68	0.00	0.00	0.00	0.00	6.16	14.15	7.77	1.71	0.00	0.00	0.00	0.00	8.66	18.14
	B35SA008	7.46	1.98	0.00	0.00	0.00	0.00	7.27	16.71	9.18	2.02	0.00	0.00	0.00	0.00	10.23	21.43
	B35SA009	9.46	2.51	0.00	0.00	0.00	0.00	9.23	21.20	11.64	2.56	0.00	0.00	0.00	0.00	12.97	27.17
	B35SA010	11.55	3.06	0.00	0.00	0.00	0.00	11.26	25.87	14.21	3.13	0.00	0.00	0.00	0.00	15.84	33.18
C05																	
	C05OL001	0.14	0.01	0.36	0.15	0.00	0.00	0.49	1.15								
	C05OL002	0.22	0.02	0.73	0.30	0.00	0.00	0.77	2.04								
	C05OL003	0.26	0.02	0.81	0.34	0.00	0.00	0.93	2.36								
	C05OL004	0.28	0.02	0.89	0.37	0.00	0.00	1.02	2.58								
C10																	
	C10BO001	0.76	0.10	0.47	0.15	0.00	0.00	1.24	2.72								
	C10BO002	0.87	0.12	0.62	0.19	0.00	0.00	1.41	3.21								
	C10BO003	0.53	0.07	0.62	0.19	0.00	0.00	0.86	2.27								
	C10BO004	0.59	0.08	0.93	0.29	0.00	0.00	0.97	2.86								
	C10BO005	0.84	0.11	0.93	0.29	0.00	0.00	1.36	3.53								
	C10BO007	1.58	0.21	0.27	0.08	0.00	0.00	2.58	4.72								
	C10BO008	3.05	0.41	0.43	0.13	0.00	0.00	4.96	8.98								
	C10BO009	1.23	0.19	0.62	0.19	0.00	0.00	2.24	4.47								
	C10BO010	2.92	0.46	0.21	0.07	0.00	0.00	5.32	8.98								
	C10BO011	3.16	0.50	0.43	0.13	0.00	0.00	5.76	9.98								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C10	***cont.***																
	C10BO013	7.76	1.23	0.85	0.26	0.00	0.00	14.13	24.23								
	C10SJ001	0.76	0.10	0.62	0.19	0.00	0.00	1.23	2.90								
	C10SJ002	0.81	0.11	0.62	0.19	0.00	0.00	1.31	3.04								
	C10SJ003	0.84	0.11	0.62	0.19	0.00	0.00	1.37	3.13								
	C10SJ004	0.43	0.06	0.93	0.29	0.00	0.00	0.71	2.42								
	C10SJ005	0.54	0.07	0.93	0.29	0.00	0.00	0.87	2.70								
	C10SJ006	3.41	0.54	2.02	0.63	0.00	0.00	6.22	12.82								
	C10SJ007	3.70	0.59	2.02	0.63	0.00	0.00	6.74	13.68								
	C10WC003	1.06	0.14	0.62	0.19	0.00	0.00	1.72	3.73								
	C10WC006	0.73	0.10	1.25	0.39	0.00	0.00	1.18	3.65								
	C10WC007	2.38	0.32	1.40	0.43	0.00	0.00	3.87	8.40								
	C10WC008	3.16	0.42	0.32	0.10	0.00	0.00	5.15	9.15								
	C10WC010	2.60	0.41	1.71	0.53	0.00	0.00	4.73	9.98								
	C10WC015	5.66	0.76	0.75	0.23	0.00	0.00	9.21	16.61								
	C10WC016	8.21	1.30	1.07	0.33	0.00	0.00	14.95	25.86								
	C10WC017	2.97	0.47	0.48	0.15	0.00	0.00	5.41	9.48								
	C10WC018	0.47	0.06	0.32	0.10	0.00	0.00	0.77	1.72								
	C10WC019	8.10	1.28	1.07	0.33	0.00	0.00	14.74	25.52								
	C10WC020	0.64	0.09	0.62	0.19	0.00	0.00	1.04	2.58								
C15																	
	C15BL001	1.45	0.25	0.00	0.50	0.00	0.00	2.11	4.31								
	C15BL003	5.96	1.03	0.00	1.50	0.00	0.00	8.65	17.14								
	C15BL004	7.41	1.28	0.00	1.75	0.00	0.00	10.76	21.20								
	C15BL005	10.36	1.79	0.00	2.00	0.00	0.00	15.04	29.19								
C20																	
	C20AE001	0.56	0.11	0.61	0.25	0.09	0.02	0.65	2.29								
	C20AI006	1.76	0.32	1.57	0.65	0.09	0.02	2.01	6.42								
	C20AI008	1.30	0.23	0.97	0.40	0.04	0.01	1.48	4.43								
	C20AI009	2.60	0.46	1.94	0.80	0.07	0.01	2.95	8.83								
	C20WC002	1.83	0.34	1.57	0.65	0.13	0.02	2.09	6.63								
C25																	
	C25AJ001	1.16	0.24	0.97	0.40	0.00	0.00	1.49	4.26								
	C25AJ002	6.65	2.59	2.47	1.36	0.00	0.00	7.36	20.43								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C25	***cont.***																
	C25AJ003	0.99	0.21	1.09	0.45	0.00	0.00	1.28	4.02								
	C25AJ004	1.45	0.30	1.09	0.45	0.00	0.00	1.87	5.16								
	C25AJ005	1.71	0.36	1.33	0.55	0.00	0.00	2.21	6.16								
	C25AJ006	2.05	0.43	1.33	0.55	0.00	0.00	2.64	7.00								
	C25AJ007	2.18	0.46	1.33	0.55	0.00	0.00	2.81	7.33								
	C25AJ008	0.93	0.36	0.62	0.34	0.00	0.00	1.03	3.28								
	C25AJ009	1.00	0.39	0.62	0.34	0.00	0.00	1.11	3.46								
	C25AJ010	1.09	0.43	0.62	0.34	0.00	0.00	1.21	3.69								
	C25AJ011	1.18	0.46	0.62	0.34	0.00	0.00	1.31	3.91								
	C25AJ012	1.27	0.49	0.62	0.34	0.00	0.00	1.40	4.12								
	C25AJ013	1.36	0.53	0.62	0.34	0.00	0.00	1.50	4.35								
	C25AJ014	1.28	0.27	2.42	1.00	0.00	0.00	1.65	6.62								
	C25AJ015	1.70	0.36	2.42	1.00	0.00	0.00	2.19	7.67								
	C25AJ016	1.79	0.37	2.42	1.00	0.00	0.00	2.30	7.88								
	C25AJ017	1.86	0.39	3.03	1.25	0.00	0.00	2.41	8.94								
	C25AJ018	2.04	0.43	3.03	1.25	0.00	0.00	2.63	9.38								
	C25AJ019	2.86	0.60	3.39	1.40	0.00	0.00	3.69	11.94								
	C25AJ020	3.91	0.82	3.03	1.25	0.00	0.00	5.04	14.05								
	C25ST001	0.36	0.07	1.09	0.45	0.00	0.00	0.46	2.43								
	C25ST002	0.39	0.08	1.09	0.45	0.00	0.00	0.50	2.51								
	C25ST003	0.35	0.07	0.67	0.28	0.00	0.00	0.45	1.82								
	C25SV001	20.16	7.91	2.18	1.06	0.20	0.04	22.32	53.87								
	C25SV002	16.45	6.45	2.18	1.06	0.15	0.03	18.22	44.54								
	C25SV003	10.89	4.28	1.01	0.49	0.15	0.03	12.07	28.92								
	C25SV004	8.96	3.54	1.00	0.49	0.22	0.04	9.95	24.20								
	C25WC001	0.40	0.08	0.61	0.25	0.00	0.00	0.52	1.86								
	C25WC002	0.50	0.11	0.97	0.40	0.00	0.00	0.65	2.63								
	C25WC003	1.87	0.39	2.42	1.00	0.00	0.00	2.42	8.10								
C35																	
	C35AF001	2.29	0.71	0.00	0.30	0.00	0.00	3.55	6.85								
	C35AF002	1.30	0.42	0.00	2.00	0.08	0.01	2.03	5.84								
	C35AF003	1.49	0.48	0.00	2.00	0.08	0.01	2.34	6.40								
	C35AF004	3.25	1.03	3.89	3.61	0.08	0.01	5.06	16.93								
	C35AF005	5.51	1.76	2.44	2.88	0.16	0.03	8.58	21.36								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C35	***cont.***																
	C35AL002	3.45	1.12	1.18	0.43	0.16	0.03	5.40	11.77								
	C35AL003	1.49	0.50	0.00	0.19	0.16	0.03	2.35	4.72								
	C35AL008	2.57	0.80	0.00	0.30	0.00	0.00	3.97	7.64								
	C35AL009	2.85	0.89	0.00	0.40	0.00	0.00	4.42	8.56								
	C35AL013	1.40	0.45	0.00	0.40	0.08	0.01	2.18	4.52								
	C35AL014	6.49	2.03	2.26	0.82	0.03	0.01	10.06	21.70								
	C35AV006	8.55	2.68	1.40	2.81	0.09	0.02	13.25	28.80								
	C35AV008	2.56	0.80	0.49	2.29	0.00	0.00	3.97	10.11								
	C35AV009	3.13	0.97	1.12	2.65	0.00	0.00	4.84	12.71								
	C35AV010	5.64	1.76	1.81	3.05	0.00	0.00	8.72	20.98								
	C35AV011	8.97	2.79	0.84	2.49	0.00	0.00	13.88	28.97								
	C35AV012	12.92	4.03	1.40	3.31	0.00	0.00	20.00	41.66								
C40																	
	C40MU001	0.43	0.09	0.97	0.40	0.00	0.00	0.55	2.44								
	C40MU002	0.91	0.19	1.57	0.65	0.00	0.00	1.18	4.50								
	C40MU003	0.44	0.09	0.97	0.40	0.00	0.00	0.57	2.47								
	C40MU004	0.51	0.11	0.97	0.40	0.00	0.00	0.66	2.65								
	C40MX001	3.94	0.86	0.75	0.27	0.16	0.03	5.12	11.13								
	C40MX002	0.74	0.15	0.00	1.00	0.00	0.00	0.95	2.84								
	C40MX003	7.15	1.53	2.17	0.79	0.16	0.03	9.27	21.10								
	C40MX006	6.48	1.36	0.00	1.75	0.00	0.00	8.36	17.95								
	C40MX007	5.84	1.22	0.00	1.65	0.00	0.00	7.54	16.25								
	C40ST001	0.32	0.07	0.07	0.25	0.00	0.00	0.42	1.13								
	C40ST002	0.36	0.08	0.67	0.28	0.00	0.00	0.47	1.86								
	C40ST003	0.48	0.10	0.07	0.30	0.00	0.00	0.62	1.57								
	C40ST004	0.53	0.11	0.97	0.40	0.00	0.00	0.68	2.69								
	C40ST005	0.62	0.13	0.10	0.36	0.00	0.00	0.80	2.01								
	C40ST006	0.64	0.13	0.97	0.40	0.00	0.00	0.83	2.97								
C45																	
	C45CW001	69.90	17.20	11.31	4.10	0.00	0.00	113.94	216.45								
	C45GO004	33.84	8.33	8.37	3.03	0.00	0.00	55.16	108.73								
	C45GO010	16.43	4.04	4.16	1.51	0.00	0.00	26.78	52.92								
	C45GO011	20.59	5.07	7.65	2.77	0.00	0.00	33.55	69.63								
	C45GO012	36.75	9.04	7.65	2.77	0.00	0.00	59.91	116.12								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C45	*cont.*																
	C45GO013	14.58	3.59	3.17	1.15	0.00	0.00	23.76	46.25								
	C45GO014	19.58	4.82	4.16	1.51	0.00	0.00	31.91	61.98								
	C45GO015	35.10	8.64	10.41	3.77	0.00	0.00	57.21	115.13								
	C45GO016	46.15	11.36	10.41	3.77	0.00	0.00	75.23	146.92								
	C45GO017	55.54	13.66	11.31	4.10	0.00	0.00	90.52	175.13								
	C45GO018	65.92	16.22	11.31	4.10	0.00	0.00	107.44	204.99								
	C45GO019	60.36	14.85	14.70	5.32	0.00	0.00	98.39	193.62								
	C45GO020	71.63	17.62	14.70	5.32	0.00	0.00	116.76	226.03								
	C45GO024	6.92	1.70	4.15	1.72	0.00	0.00	11.28	25.77								
	C45GO025	8.97	2.21	6.23	2.58	0.00	0.00	14.62	34.61								
	C45GO030	36.21	8.91	14.70	5.32	0.00	0.00	59.02	124.16								
	C45GO031	45.98	11.31	14.70	5.32	0.00	0.00	74.95	152.26								
	C45MJ001	1.03	0.25	1.82	0.75	0.00	0.00	1.67	5.52								
C55																	
	C55MO001	3.06	0.82	3.63	1.50	0.03	0.01	4.39	13.44								
	C55MO002	5.92	1.58	3.34	1.21	0.03	0.01	8.49	20.58								
	C55MO003	6.58	1.75	4.59	1.66	0.03	0.01	9.43	24.05								
	C55MO004	7.96	2.12	4.59	1.66	0.03	0.01	11.41	27.78								
	C55MO007	22.72	6.07	11.04	4.00	0.25	0.05	32.58	76.71								
	C55MO013	32.82	8.77	13.55	4.90	0.43	0.08	47.07	107.62								
	C55MO014	32.11	8.58	13.55	4.90	0.43	0.08	46.06	105.71								
	C55MO015	46.88	12.50	13.55	4.90	0.43	0.08	67.23	145.57								
	C55MO016	11.30	3.03	7.39	2.68	0.16	0.03	16.22	40.81								
	C55MO017	12.01	3.22	7.39	2.68	0.16	0.03	17.23	42.72								
	C55SC001	7.54	2.01	3.34	1.21	0.03	0.01	10.80	24.94								
	C55SC002	16.34	4.37	7.39	2.68	0.16	0.03	23.44	54.41								
	C55SC005	24.67	6.61	10.58	3.83	0.50	0.09	35.39	81.67								
	C55SC006	31.33	8.39	10.58	3.83	0.53	0.10	44.95	99.71								
	C55SC007	41.89	11.24	11.59	4.20	0.92	0.17	60.10	130.11								
	C55SC008	50.98	13.68	11.59	4.20	1.13	0.21	73.15	154.94								
	C55SC009	65.32	17.49	17.64	6.39	1.13	0.21	93.71	201.89								
C60																	
	C60CQ001	1.52	0.31	5.45	2.26	0.00	0.00	2.18	11.72								
	C60CQ002	0.35	0.07	1.25	0.52	0.00	0.00	0.50	2.69								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C60	***cont.***																
	C60CQ003	0.40	0.08	2.02	0.84	0.00	0.00	0.57	3.91								
	C60CQ004	0.44	0.09	0.42	0.24	0.00	0.00	0.62	1.81								
	C60CQ005	0.31	0.06	1.71	0.71	0.00	0.00	0.45	3.24								
	C60CQ006	0.50	0.10	2.02	0.84	0.00	0.00	0.72	4.18								
	C60CQ007	0.74	0.15	0.67	0.39	0.00	0.00	1.06	3.01								
	C60CQ008	0.60	0.12	2.49	1.03	0.00	0.00	0.87	5.11								
	C60CQ009	1.55	0.32	1.67	0.97	0.00	0.00	2.22	6.73								
	C60CQ010	2.33	0.48	14.94	7.34	0.00	0.00	3.34	28.43								
	C60CQ011	1.98	0.41	10.12	4.19	0.00	0.00	2.84	19.54								
	C60CQ012	2.00	0.41	10.12	4.19	0.00	0.00	2.87	19.59								
	C60CQ013	2.10	0.43	10.12	4.19	0.00	0.00	3.02	19.86								
	C60CQ014	1.97	0.40	2.51	1.46	0.00	0.00	2.83	9.17								
	C60CQ015	3.40	0.70	38.42	18.88	0.00	0.00	4.88	66.28								
	C60CQ016	3.42	0.70	38.42	18.88	0.00	0.00	4.91	66.33								
	C60CQ017	4.09	0.84	38.42	18.88	0.00	0.00	5.86	68.09								
	C60FE001	0.16	0.03	0.16	0.07	0.00	0.00	0.23	0.65								
	C60FE002	0.17	0.04	0.31	0.13	0.00	0.00	0.25	0.90								
	C60FE006	0.33	0.07	1.25	0.52	0.00	0.00	0.48	2.65								
	C60FE007	0.41	0.08	2.02	0.84	0.00	0.00	0.58	3.93								
	C60FE009	1.24	0.25	3.11	1.29	0.00	0.00	1.77	7.66								
	C60LY001	3.15	0.65	1.56	0.65	0.00	0.00	4.52	10.53								
	C60LY002	5.03	1.03	5.45	2.26	0.00	0.00	7.21	20.98								
	C60LY005	0.31	0.06	1.71	0.71	0.00	0.00	0.45	3.24								
	C60LY011	7.73	1.59	27.75	13.64	0.00	0.00	11.08	61.79								
	C60LY012	0.37	0.08	1.25	0.52	0.00	0.00	0.53	2.75								
C65																	
	C65ST007	0.21	0.03	0.06	0.03	0.00	0.00	0.73	1.06								
	C65ST008	0.24	0.03	0.12	0.07	0.00	0.00	0.82	1.28								
	C65ST009	0.29	0.04	0.18	0.10	0.00	0.00	1.01	1.62								
	C65ST010	0.21	0.03	0.06	0.03	0.00	0.00	0.74	1.07								
	C65ST011	0.27	0.04	0.12	0.07	0.00	0.00	0.92	1.42								
	C65ST012	0.30	0.04	0.18	0.10	0.00	0.00	1.04	1.66								
	C65ST013	0.40	0.06	0.62	0.26	0.00	0.00	1.38	2.72								
	C65WC003	0.54	0.08	0.12	0.21	0.00	0.00	1.88	2.83								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C65	***cont.***																
	C65WC004	0.29	0.04	0.18	0.24	0.00	0.00	1.00	1.75								
	C65WC005	0.36	0.05	0.56	0.37	0.00	0.00	1.26	2.60								
	C65XX001	0.20	0.03	0.00	0.06	0.00	0.00	0.70	0.99								
	C65XX002	0.25	0.04	0.00	0.08	0.00	0.00	0.85	1.22								
	C65XX003	0.27	0.04	0.00	0.10	0.00	0.00	0.94	1.35								
	C65XX004	0.33	0.05	0.00	0.13	0.00	0.00	1.13	1.64								
	C65XX005	0.60	0.09	0.00	0.15	0.00	0.00	2.06	2.90								
C75																	
	C75BD004	4.05	2.02	5.45	2.26	0.18	0.03	4.89	18.88								
	C75BD005	5.25	2.61	8.56	3.54	0.24	0.04	6.34	26.58								
	C75BD006	7.69	3.85	14.27	5.91	0.47	0.09	9.29	41.57								
	C75GV006	14.47	7.20	5.88	2.28	1.18	0.22	17.47	48.70								
	C75GV014	36.77	18.45	8.96	3.48	5.15	0.94	44.45	118.20								
	C75GV016	54.28	27.27	11.31	4.39	8.06	1.47	65.64	172.42								
	C75GV019	34.23	17.22	8.01	3.11	5.38	0.98	41.40	110.33								
	C75GV020	43.36	21.70	11.31	4.39	5.38	0.98	52.39	139.51								
	C75GV021	6.20	3.08	8.04	3.33	0.27	0.05	7.48	28.45								
	C75GV022	7.39	3.70	4.98	1.93	0.53	0.10	8.93	27.56								
	C75GV023	17.13	8.83	6.88	2.67	5.21	0.95	20.80	62.47								
	C75GV024	24.64	12.51	6.88	2.67	5.21	0.95	29.84	82.70								
	C75GV025	41.34	20.69	8.96	3.48	5.15	0.94	49.96	130.52								
	C75LB007	16.71	8.35	6.88	2.67	1.64	0.30	20.19	56.74								
	C75LB008	24.06	12.01	7.46	2.89	2.28	0.42	29.06	78.18								
	C75LB009	29.45	15.22	9.73	3.77	3.37	0.62	35.76	97.92								
	C75LB010	33.23	17.08	9.50	3.69	3.37	0.62	40.32	107.81								
	C75LB011	34.55	17.73	9.50	3.69	3.37	0.62	41.91	111.37								
	C75TD003	19.05	9.54	8.14	3.16	2.48	0.45	23.02	65.84								
	C75TD006	22.33	11.19	11.17	4.33	2.94	0.54	26.99	79.49								
	C75TD007	35.48	17.97	11.17	4.33	3.91	0.72	42.95	116.53								
	C75TD008	33.06	16.68	11.17	4.33	5.76	1.05	40.00	112.05								
	C75TE001	18.03	8.99	5.88	2.28	1.64	0.30	21.77	58.89								
	C75TE002	24.72	12.33	6.88	2.67	2.28	0.42	29.86	79.16								
	C75TE003	23.50	11.86	7.87	3.05	4.08	0.75	28.43	79.54								
	C75TE004	27.63	14.33	9.73	3.77	3.37	0.62	33.57	93.02								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C75	***cont.***																
	C75TE005	37.97	19.40	11.76	4.56	3.37	0.62	46.03	123.71								
	C75TE006	41.21	20.99	11.76	4.56	3.37	0.62	49.93	132.44								
	C75TE007	47.97	24.06	11.76	4.56	6.68	1.22	57.99	154.24								
C80																	
	C80GV006	25.01	15.71	15.31	5.15	0.68	0.12	26.40	88.38	30.01	15.81	20.42	6.87	0.82	0.15	33.94	108.02
	C80GV013	48.64	37.05	9.98	3.36	3.41	0.62	66.01	169.07	59.45	37.36	12.69	4.27	4.27	0.78	85.16	203.98
	C80GV014	62.21	47.29	9.98	3.36	3.41	0.62	84.40	211.27	76.04	47.69	12.69	4.27	4.27	0.78	108.88	254.62
	C80GV015	67.16	51.03	10.29	3.46	3.41	0.62	91.11	227.08	82.08	51.46	13.06	4.39	4.27	0.78	117.54	273.58
	C80GV016	85.35	64.83	14.01	4.71	3.98	0.73	115.78	289.39	104.32	65.38	18.06	6.08	4.92	0.90	149.37	349.03
	C80GV020	32.24	22.39	15.31	5.15	1.03	0.19	38.89	115.20	40.31	22.62	20.42	6.87	1.25	0.23	51.65	143.35
	C80GV021	43.16	30.00	15.31	5.15	1.58	0.29	52.06	147.55	53.95	30.30	20.42	6.87	1.95	0.36	69.14	182.99
	C80GV022	50.97	35.29	15.31	5.15	1.03	0.19	61.45	169.39	63.71	35.65	20.42	6.87	1.25	0.23	81.61	209.74
	C80GV023	37.69	26.15	12.82	4.31	1.03	0.19	45.46	127.65	47.12	26.41	17.10	5.75	1.25	0.23	60.37	158.23
	C80GV024	42.10	29.18	12.82	4.31	1.03	0.19	50.76	140.39	52.62	29.47	17.10	5.75	1.25	0.23	67.42	173.84
	C80GV025	20.38	12.80	11.48	3.86	0.59	0.11	21.51	70.73	24.46	12.89	15.31	5.15	0.71	0.13	27.66	86.31
	C80GV026	27.44	17.29	13.36	4.49	1.10	0.20	28.97	92.85	32.92	17.41	17.81	5.99	1.34	0.25	37.25	112.97
	C80LB001	23.07	16.11	13.97	4.70	1.26	0.23	27.85	87.19	28.84	16.27	18.63	6.26	1.54	0.28	36.99	108.81
	C80LB002	31.03	21.62	16.46	5.53	1.45	0.27	37.45	113.81	38.79	21.84	21.95	7.38	1.79	0.33	49.73	141.81
	C80LB003	22.30	14.11	13.97	4.70	1.26	0.23	23.57	80.14	26.76	14.21	18.63	6.26	1.54	0.28	30.30	97.98
	C80LB004	18.56	11.71	13.40	4.51	0.87	0.16	19.60	68.81	22.27	11.79	17.86	6.01	1.08	0.20	25.20	84.41
	C80LB005	15.16	8.59	7.27	3.38	0.92	0.17	13.74	49.23	18.66	8.67	9.70	4.52	1.17	0.21	18.32	61.25
	C80LB006	17.63	9.95	7.66	3.57	0.83	0.15	15.96	55.75	21.69	10.05	10.21	4.75	1.03	0.19	21.28	69.20
	C80LB007	15.73	9.94	7.66	2.58	0.83	0.15	16.62	53.51	18.88	10.01	10.21	3.43	1.03	0.19	21.37	65.12
	C80LB008	16.65	10.51	8.04	2.70	0.83	0.15	17.58	56.46	19.98	10.58	10.72	3.60	1.03	0.19	22.61	68.71
	C80LB009	21.24	13.39	8.96	3.01	0.91	0.17	22.43	70.11	25.48	13.48	11.94	4.01	1.09	0.20	28.83	85.03
	C80TD001	25.36	18.00	7.56	2.55	3.22	0.59	30.69	87.97	31.70	18.18	9.60	3.23	4.02	0.74	40.76	108.23
	C80TD002	31.75	22.41	9.20	3.09	3.06	0.56	38.39	108.46	39.69	22.63	11.74	3.95	3.71	0.68	50.99	133.39
	C80TD005	34.62	26.81	24.63	8.28	3.90	0.71	47.10	146.05	42.31	27.04	32.13	10.81	4.79	0.88	60.77	178.73
	C80TE001	17.67	11.13	9.57	3.22	0.71	0.13	18.66	61.09	21.21	11.21	12.76	4.29	0.88	0.16	23.99	74.50
	C80TE002	14.17	8.97	9.57	3.22	0.84	0.15	14.98	51.90	17.01	9.03	12.76	4.29	1.04	0.19	19.26	63.58
	C80TE003	18.77	11.91	14.16	4.76	1.26	0.23	19.84	70.93	22.53	11.99	18.88	6.35	1.54	0.28	25.51	87.08
	C80TE004	24.53	17.14	15.85	5.33	1.45	0.27	29.62	94.19	30.66	17.31	21.13	7.10	1.79	0.33	39.33	117.65
C85																	
	C85KC003	36.66	25.25	6.46	1.84	0.00	0.00	46.93	117.14	45.83	25.51	8.30	2.36	0.00	0.00	62.11	144.11

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C85	***cont.***																
	C85KC004	23.11	15.92	4.34	1.23	0.00	0.00	29.58	74.18	28.89	16.08	5.57	1.58	0.00	0.00	39.15	91.27
	C85KC005	26.79	18.45	5.19	1.48	0.00	0.00	34.29	86.20	33.49	18.64	6.67	1.90	0.00	0.00	45.38	106.08
	C85KC006	62.63	47.30	6.80	2.11	0.00	0.00	89.60	208.44	76.55	47.70	8.74	2.71	0.00	0.00	115.28	250.98
	C85LB012	20.79	14.29	3.58	0.93	0.00	0.00	24.95	64.54	24.95	14.41	4.60	1.19	0.00	0.00	31.93	77.08
	C85LB013	28.83	19.86	6.41	1.82	0.00	0.00	36.90	93.82	36.04	20.06	8.24	2.34	0.00	0.00	48.84	115.52
	C85LB014	37.83	26.06	6.41	1.82	0.00	0.00	48.42	120.54	47.29	26.32	8.24	2.34	0.00	0.00	64.09	148.28
	C85LB015	42.74	29.44	5.04	1.43	0.00	0.00	54.71	133.36	53.43	29.74	6.48	1.84	0.00	0.00	72.42	163.91
	C85LB016	50.59	38.21	6.04	1.87	0.00	0.00	72.38	169.09	61.84	38.53	7.77	2.41	0.00	0.00	93.12	203.67
	C85LB017	66.16	49.96	10.72	3.33	0.00	0.00	94.65	224.82	80.86	50.38	13.78	4.28	0.00	0.00	121.77	271.07
	C85LB018	18.30	12.58	3.58	0.93	0.00	0.00	21.96	57.35	21.96	12.68	4.60	1.19	0.00	0.00	28.11	68.54
	C85LB019	32.23	19.79	8.54	3.75	0.00	0.00	43.83	108.14	39.67	19.98	11.29	4.96	0.00	0.00	60.29	136.19
	C85LB020	42.30	25.97	8.54	3.75	0.00	0.00	57.52	138.08	52.06	26.22	11.29	4.96	0.00	0.00	79.13	173.66
	C85LB021	41.76	28.70	6.72	1.91	0.00	0.00	63.47	142.56	50.11	28.93	8.88	2.53	0.00	0.00	84.18	174.63
	C85LB022	55.87	38.40	8.06	2.29	0.00	0.00	84.92	189.54	67.04	38.71	10.64	3.03	0.00	0.00	112.63	232.05
	C85LB023	61.33	46.69	14.29	4.44	0.00	0.00	103.04	229.79	76.67	47.07	18.88	5.86	0.00	0.00	141.07	289.55
	C85MA001	42.72	29.37	10.88	3.10	0.00	0.00	64.94	151.01	51.27	29.60	14.38	4.09	0.00	0.00	86.13	185.47
	C85MA002	69.11	47.50	10.88	3.10	0.00	0.00	105.04	235.63	82.93	47.88	14.38	4.09	0.00	0.00	139.32	288.60
	C85MA003	72.99	55.57	22.09	6.86	0.00	0.00	122.62	280.13	91.23	56.01	29.19	9.06	0.00	0.00	167.87	353.36
	C85MA004	42.11	29.01	8.16	2.32	0.00	0.00	53.91	135.51	52.64	29.30	10.49	2.98	0.00	0.00	71.35	166.76
	C85MA005	48.14	33.16	8.16	2.32	0.00	0.00	61.62	153.40	60.18	33.50	10.49	2.98	0.00	0.00	81.56	188.71
	C85MA006	57.42	43.36	8.16	2.53	0.00	0.00	82.15	193.62	70.18	43.73	10.49	3.26	0.00	0.00	105.68	233.34
	C85MA007	90.05	68.01	10.50	3.26	0.00	0.00	128.83	300.65	110.06	68.58	13.50	4.19	0.00	0.00	165.74	362.07
	C85MA008	53.95	37.16	8.16	2.32	0.00	0.00	69.05	170.64	67.43	37.53	10.49	2.98	0.00	0.00	91.39	209.82
	C85MA009	48.47	36.90	10.72	3.33	0.00	0.00	81.43	180.85	60.59	37.20	14.16	4.39	0.00	0.00	111.48	227.82
	C85MA010	58.39	44.10	8.04	2.50	0.00	0.00	83.54	196.57	71.37	44.47	10.34	3.21	0.00	0.00	107.48	236.87
	C85TE001	27.31	16.77	4.87	2.14	0.00	0.00	37.14	88.23	33.61	16.93	6.44	2.83	0.00	0.00	51.09	110.90
	C85TE002	38.02	23.34	8.12	3.57	0.00	0.00	51.71	124.76	46.80	23.57	10.73	4.72	0.00	0.00	71.13	156.95
	C85TE003	42.83	29.44	10.88	3.10	0.00	0.00	65.09	151.34	51.39	29.67	14.38	4.09	0.00	0.00	86.34	185.87
	C85TE008	25.37	17.47	4.48	1.27	0.00	0.00	32.47	81.06	31.71	17.65	5.76	1.64	0.00	0.00	42.97	99.73
	C85TE009	31.63	21.79	5.60	1.59	0.00	0.00	40.48	101.09	39.53	22.00	7.20	2.05	0.00	0.00	53.58	124.36
	C85TE010	40.07	27.60	5.85	1.66	0.00	0.00	51.29	126.47	50.08	27.88	7.52	2.14	0.00	0.00	67.88	155.50
	C85TE011	53.90	40.71	7.67	2.38	0.00	0.00	77.11	181.77	65.88	41.05	9.87	3.06	0.00	0.00	99.21	219.07
	C85TE012	54.17	40.91	8.16	2.53	0.00	0.00	77.49	183.26	66.21	41.25	10.49	3.26	0.00	0.00	99.70	220.91
	C85TE013	59.43	44.88	8.16	2.53	0.00	0.00	85.02	200.02	72.63	45.26	10.49	3.26	0.00	0.00	109.38	241.02
	C85TE014	49.14	37.11	7.67	2.38	0.00	0.00	70.30	166.60	60.06	37.42	9.87	3.06	0.00	0.00	90.44	200.85

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C90																	
	C90LB001	44.02	37.13	8.73	2.94	4.14	0.76	63.52	161.24	53.80	37.37	11.41	3.83	5.11	0.94	81.94	194.40
	C90LB002	50.88	42.86	9.97	3.36	4.14	0.76	73.40	185.37	62.19	43.13	12.98	4.36	5.11	0.94	94.69	223.40
	C90LB003	80.65	67.90	13.35	4.49	6.21	1.14	116.34	290.08	98.58	68.34	17.27	5.80	7.67	1.40	150.09	349.15
	C90LB004	40.75	34.45	9.25	3.11	4.12	0.75	58.83	151.26	49.81	34.67	12.13	4.08	5.08	0.93	75.90	182.60
	C90LB005	48.65	41.04	10.49	3.53	4.12	0.75	70.21	178.79	59.46	41.31	13.70	4.61	5.08	0.93	90.58	215.67
	C90LB006	79.21	66.55	13.87	4.66	4.12	0.75	114.22	283.38	96.82	66.98	17.99	6.05	5.08	0.93	147.35	341.20
C95																	
	C95AP004	19.60	13.47	7.74	9.00	0.00	0.00	26.65	76.46								
	C95AP005	0.62	0.43	0.00	0.00	0.00	0.00	0.84	1.89								
	C95AP006	1.19	0.82	0.00	0.00	0.00	0.00	1.62	3.63								
	C95AP007	31.03	21.33	12.88	13.33	0.00	0.00	42.20	120.77								
	C95AP008	4.78	3.28	0.00	0.50	0.00	0.00	6.50	15.06								
	C95AP009	1.60	1.10	0.00	0.00	0.00	0.00	2.17	4.87								
	C95AP010	41.21	28.33	13.12	13.48	0.00	0.00	56.04	152.18								
	C95AP011	1.50	1.03	0.00	0.00	0.00	0.00	2.04	4.57								
	C95AP012	5.94	4.09	0.00	0.50	0.00	0.00	8.08	18.61								
	C95AP013	39.72	27.30	21.40	18.84	0.00	0.00	54.01	161.27								
	C95AP014	1.36	0.94	0.00	0.00	0.00	0.00	1.85	4.15								
	C95AP015	5.19	3.57	0.00	0.00	0.00	0.00	7.06	15.82								
	C95AP016	1.82	1.25	0.00	0.00	0.00	0.00	2.48	5.55								
	C95AP017	16.84	11.57	7.56	7.89	0.00	0.00	22.90	66.76								
	C95AP018	0.58	0.40	0.00	0.00	0.00	0.00	0.78	1.76								
	C95AP019	3.24	2.23	0.00	0.50	0.00	0.00	4.40	10.37								
	C95AP020	18.47	12.70	13.48	11.72	0.00	0.00	25.12	81.49								
	C95AP021	28.77	19.78	15.60	14.09	0.00	0.00	39.13	117.37								
	C95AP022	4.36	3.00	1.45	0.94	0.00	0.00	5.93	15.68								
	C95AP023	0.10	0.07	0.00	0.00	0.00	0.00	0.14	0.31								
	C95LH003	17.18	11.81	6.59	7.26	0.00	0.00	23.36	66.20								
	C95LH004	18.06	12.41	6.59	7.26	0.00	0.00	24.56	68.88								
	C95LH005	22.32	15.34	8.95	9.79	0.00	0.00	30.35	86.75								
	C95LH006	25.49	17.52	8.95	9.79	0.00	0.00	34.67	96.42								
	C95LH011	41.73	28.69	13.48	13.72	0.00	0.00	56.76	154.38								
	C95LH012	48.84	33.57	13.48	13.72	0.00	0.00	66.42	176.03								
	C95LH013	53.37	36.68	13.48	13.72	0.00	0.00	72.58	189.83								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C95	***cont.***																
	C95LH014	58.76	40.39	13.48	13.72	0.00	0.00	79.91	206.26								
	C95LH015	71.14	48.90	19.16	19.39	0.00	0.00	96.75	255.34								
	C95LH016	78.86	54.21	19.16	19.39	0.00	0.00	107.25	278.87								
	C95LH021	92.41	63.52	33.25	26.50	0.00	0.00	125.68	341.36								
	C95LH022	15.34	10.59	2.12	3.37	0.22	0.04	20.88	52.56								
	C95LH023	21.15	14.71	3.93	5.54	0.88	0.16	28.83	75.20								
D10																	
	D10IN002	7.23	4.32	0.00	0.84	0.00	0.00	12.50	24.89								
	D10IN003	6.47	3.87	0.00	0.79	0.00	0.00	11.19	22.32								
	D10IN004	18.43	11.02	8.80	3.19	0.00	0.00	31.87	73.31								
	D10IN005	21.16	12.65	10.23	3.70	0.00	0.00	36.60	84.34								
	D10IN006	21.24	12.70	14.74	5.34	0.00	0.00	36.73	90.75								
	D10RD001	12.81	7.66	8.56	3.10	0.00	0.00	22.16	54.29								
	D10RD002	13.91	8.32	10.94	3.96	0.00	0.00	24.06	61.19								
	D10RD003	22.19	13.26	13.55	4.91	0.00	0.00	38.37	92.28								
	D10RD004	21.82	13.04	13.55	4.91	0.00	0.00	37.73	91.05								
	D10RD005	24.43	14.60	13.55	4.91	0.00	0.00	42.24	99.73								
	D10RD006	5.29	3.16	0.00	0.79	0.00	0.00	9.15	18.39								
	D10RD007	5.86	3.50	0.00	0.84	0.00	0.00	10.13	20.33								
	D10SU002	4.80	2.87	0.00	0.80	0.00	0.00	8.30	16.77								
	D10SU003	4.97	2.97	0.00	0.80	0.00	0.00	8.59	17.33								
	D10SU005	8.83	5.28	12.37	4.48	0.00	0.00	15.27	46.23								
	D10SU006	8.94	5.34	12.37	4.48	0.00	0.00	15.45	46.58								
D15																	
	D15BI002	1.32	0.68	0.95	0.34	0.00	0.00	2.06	5.35								
	D15BI003	2.07	1.07	1.43	0.52	0.00	0.00	3.23	8.32								
	D15BI004	2.90	1.50	2.14	0.77	0.00	0.00	4.51	11.82								
	D15BI005	4.41	2.28	3.23	1.17	0.00	0.00	6.86	17.95								
	D15BI006	6.92	3.57	5.23	1.89	0.00	0.00	10.77	28.38								
	D15BI007	10.12	5.22	8.13	2.94	0.00	0.00	15.74	42.15								
	D15BI008	8.49	4.38	8.13	2.94	0.00	0.00	13.22	37.16								
	D15UE001	0.28	0.14	0.83	0.34	0.00	0.00	0.44	2.03								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
D20																	
	D20AD002	0.32	0.14	0.15	0.34	0.00	0.00	0.47	1.42								
	D20AD005	0.31	0.14	0.15	0.34	0.00	0.00	0.46	1.40								
	D20AD006	0.52	0.22	0.30	0.57	0.00	0.00	0.76	2.37								
	D20AD007	0.86	0.37	0.60	1.15	0.00	0.00	1.26	4.24								
	D20CQ001	2.01	0.87	5.81	2.70	0.00	0.00	2.96	14.35								
	D20LY001	0.46	0.20	0.22	0.63	0.00	0.00	0.68	2.19								
	D20LY002	0.48	0.21	0.00	0.60	0.00	0.00	0.70	1.99								
D25																	
	D25AD003	4.68	2.41	3.28	1.02	0.00	0.00	8.09	19.48								
	D25AD004	3.73	1.93	1.33	0.41	0.00	0.00	6.45	13.85								
	D25EZ001	0.51	0.26	0.00	0.50	0.00	0.00	0.88	2.15								
	D25EZ002	0.41	0.22	0.00	0.50	0.05	0.01	0.72	1.91								
	D25EZ003	0.45	0.24	0.00	0.50	0.03	0.01	0.78	2.01								
	D25EZ005	1.69	0.89	0.00	1.25	0.07	0.01	2.94	6.85								
D30																	
	D30HD001	6.09	3.14	9.99	5.62	0.00	0.00	10.53	35.37								
	D30HD002	9.13	4.71	12.84	7.65	0.00	0.00	15.79	50.12								
	D30HD003	11.88	6.13	15.93	9.77	0.00	0.00	20.54	64.25								
	D30MR001	0.44	0.23	1.11	0.46	0.00	0.00	0.76	3.00								
	D30MR003	2.07	1.08	13.15	5.44	0.06	0.01	3.59	25.40								
	D30MR005	4.50	2.36	22.70	9.39	0.24	0.04	7.81	47.04								
	D30MR006	4.96	2.60	19.45	8.05	0.24	0.04	8.61	43.95								
	D30MR007	8.45	4.40	21.18	8.77	0.24	0.04	14.65	57.73								
	D30RD001	7.26	3.75	11.90	4.92	0.00	0.00	12.55	40.38								
	D30RD002	8.11	4.19	18.68	7.73	0.00	0.00	14.03	52.74								
	D30RD003	8.92	4.60	18.68	7.73	0.00	0.00	15.42	55.35								
	D30RD004	7.75	4.00	18.68	7.73	0.00	0.00	13.40	51.56								
	D30RD005	21.46	11.08	7.61	2.76	0.00	0.00	37.12	80.03								
	D30RD006	25.04	12.93	7.61	2.76	0.00	0.00	43.31	91.65								
	D30RD007	20.90	10.79	6.18	2.24	0.00	0.00	36.14	76.25								
	D30RD008	31.41	16.22	9.99	3.62	0.00	0.00	54.32	115.56								
	D30RD009	41.21	21.27	11.89	4.31	0.00	0.00	71.26	149.94								
	D30RD010	10.03	5.18	8.56	3.10	0.00	0.00	17.34	44.21								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
D35																	
	D35IN002	27.05	14.75	27.15	13.34	1.21	0.22	43.92	127.64								
	D35IN003	20.89	14.44	22.59	9.35	0.76	0.14	33.91	102.08								
	D35IN004	18.44	12.77	19.50	8.07	0.93	0.17	29.94	89.82								
	D35IN005	21.88	15.14	22.12	9.15	0.93	0.17	35.52	104.91								
	D35IN006	26.18	18.09	28.54	11.81	0.93	0.17	42.49	128.21								
	D35IN007	26.97	14.58	21.40	10.52	0.00	0.00	43.72	117.19								
	D35IN008	28.62	15.48	21.40	10.52	0.00	0.00	46.41	122.43								
	D35IN009	32.30	17.46	28.54	14.03	0.00	0.00	52.37	144.70								
	D35IN010	35.18	19.02	24.97	12.27	0.00	0.00	57.03	148.47								
	D35IN011	37.01	20.01	28.54	14.03	0.00	0.00	60.01	159.60								
	D35RD001	19.73	10.67	21.46	10.55	0.00	0.00	31.98	94.39								
	D35RD002	18.33	9.91	13.48	6.62	0.00	0.00	29.72	78.06								
	D35RD003	21.85	11.81	17.81	8.75	0.00	0.00	35.43	95.65								
	D35RD004	27.20	14.70	23.23	11.42	0.00	0.00	44.09	120.64								
	D35RD005	29.71	16.06	24.97	12.27	0.00	0.00	48.17	131.18								
	D35RD006	28.68	15.51	20.45	10.05	0.00	0.00	46.50	121.19								
	D35RD007	31.63	17.10	35.67	17.53	0.00	0.00	51.28	153.21								
	D35RD008	33.17	17.93	24.97	12.27	0.00	0.00	53.78	142.12								
	D35RD009	34.71	23.86	35.67	14.76	0.00	0.00	56.28	165.28								
F10																	
	F10CA039	5.90	2.41	4.02	1.25	0.73	0.13	7.18	21.62								
	F10CA040	8.06	3.25	4.02	1.25	0.73	0.13	9.79	27.23								
	F10CA042	8.98	3.60	4.02	1.25	0.55	0.10	10.90	29.40								
	F10CA043	9.46	3.83	4.02	1.25	0.94	0.17	11.50	31.17								
	F10JC001	4.43	1.83	2.87	0.89	0.53	0.10	5.41	16.06								
	F10JC002	5.11	2.09	2.87	0.89	0.56	0.10	6.23	17.85								
	F10JD001	4.00	1.65	2.79	0.87	0.44	0.08	4.88	14.71								
	F10JD002	4.04	1.67	2.79	0.87	0.44	0.08	4.94	14.83								
	F10JD003	4.32	1.78	2.79	0.87	0.44	0.08	5.27	15.55								
G10																	
	G10CA012	2.87	0.93	12.02	3.73	0.00	0.00	2.81	22.36	3.58	0.95	16.03	4.98	0.00	0.00	4.02	29.56
	G10CA013	3.64	1.18	15.50	4.81	0.00	0.00	3.57	28.70	4.55	1.21	20.67	6.42	0.00	0.00	5.10	37.95
	G10CA014	4.72	1.54	20.52	6.37	0.00	0.00	4.64	37.79	5.90	1.57	27.36	8.49	0.00	0.00	6.62	49.94

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
G10	*cont.*																
	G10CA015	6.50	2.12	26.30	8.16	0.00	0.00	6.39	49.47	8.13	2.16	35.06	10.88	0.00	0.00	9.12	65.35
	G10CA016	8.06	2.62	31.27	9.71	0.00	0.00	7.92	59.58	10.08	2.68	41.70	12.94	0.00	0.00	11.31	78.71
	G10CA017	12.68	4.12	41.69	12.94	0.00	0.00	12.45	83.88	15.85	4.21	55.58	17.25	0.00	0.00	17.79	110.68
	G10CA018	16.10	5.24	55.24	17.14	0.00	0.00	15.82	109.54	20.13	5.34	73.65	22.86	0.00	0.00	22.59	144.57
	G10CA019	26.92	8.76	88.20	27.37	0.00	0.00	26.44	177.69	33.65	8.93	117.60	36.50	0.00	0.00	37.77	234.45
	G10CA020	2.25	0.73	6.66	2.07	0.00	0.00	2.21	13.92	2.81	0.75	8.88	2.76	0.00	0.00	3.16	18.36
	G10HO005	0.07	0.02	0.56	0.17	0.00	0.00	0.06	0.88	0.08	0.02	0.74	0.23	0.00	0.00	0.08	1.15
	G10HO006	0.09	0.02	0.90	0.28	0.00	0.00	0.08	1.37	0.10	0.02	1.18	0.37	0.00	0.00	0.10	1.77
	G10HO007	0.11	0.03	1.24	0.38	0.00	0.00	0.09	1.85	0.13	0.03	1.62	0.50	0.00	0.00	0.12	2.40
	G10ON001	0.15	0.04	0.67	0.21	0.00	0.00	0.13	1.20	0.17	0.04	0.88	0.27	0.00	0.00	0.17	1.53
	G10ON002	0.20	0.05	1.01	0.31	0.00	0.00	0.17	1.74	0.23	0.05	1.32	0.41	0.00	0.00	0.23	2.24
	G10ON003	0.25	0.07	1.57	0.49	0.00	0.00	0.21	2.59	0.29	0.07	2.06	0.64	0.00	0.00	0.28	3.34
	G10ON005	0.41	0.13	1.57	0.49	0.00	0.00	0.40	3.00	0.51	0.14	2.06	0.64	0.00	0.00	0.57	3.92
	G10ON006	0.72	0.23	1.69	0.52	0.00	0.00	0.70	3.86	0.90	0.24	2.21	0.69	0.00	0.00	1.01	5.05
	G10ON007	0.71	0.23	0.50	0.16	0.00	0.00	0.70	2.30	0.88	0.23	0.66	0.20	0.00	0.00	0.99	2.96
	G10ON009	0.69	0.23	0.46	0.14	0.00	0.00	0.68	2.20	0.87	0.23	0.61	0.19	0.00	0.00	0.97	2.87
	G10ON010	0.81	0.26	0.80	0.25	0.00	0.00	0.80	2.92	1.01	0.27	1.07	0.33	0.00	0.00	1.14	3.82
	G10ON011	1.10	0.36	0.92	0.29	0.00	0.00	1.08	3.75	1.38	0.37	1.22	0.38	0.00	0.00	1.55	4.90
	G10ON012	1.14	0.37	1.26	0.39	0.00	0.00	1.12	4.28	1.43	0.38	1.68	0.52	0.00	0.00	1.60	5.61
	G10ON013	1.28	0.42	2.60	0.81	0.00	0.00	1.26	6.37	1.60	0.42	3.47	1.08	0.00	0.00	1.79	8.36
	G10ON014	1.35	0.44	2.60	0.81	0.00	0.00	1.33	6.53	1.69	0.45	3.47	1.08	0.00	0.00	1.89	8.58
	G10ON015	1.49	0.49	3.29	1.02	0.00	0.00	1.47	7.76	1.87	0.50	4.39	1.36	0.00	0.00	2.10	10.22
	G10ON016	1.61	0.52	3.90	1.21	0.00	0.00	1.58	8.82	2.01	0.53	5.21	1.62	0.00	0.00	2.26	11.63
	G10ON017	1.83	0.59	5.17	1.60	0.00	0.00	1.79	10.98	2.28	0.61	6.89	2.14	0.00	0.00	2.56	14.48
	G10ON018	2.10	0.68	6.35	1.97	0.00	0.00	2.06	13.16	2.63	0.70	8.47	2.63	0.00	0.00	2.95	17.38
	G10ON019	2.37	0.77	7.92	2.46	0.00	0.00	2.33	15.85	2.97	0.79	10.57	3.28	0.00	0.00	3.33	20.94
	G10ON020	2.76	0.90	10.60	3.29	0.00	0.00	2.72	20.27	3.46	0.92	14.14	4.39	0.00	0.00	3.88	26.79
	G10WC001	0.24	0.06	0.90	0.28	0.00	0.00	0.21	1.69	0.28	0.07	1.18	0.37	0.00	0.00	0.27	2.17
	G10WC002	0.31	0.08	1.24	0.38	0.00	0.00	0.26	2.27	0.36	0.08	1.62	0.50	0.00	0.00	0.35	2.91
	G10WC003	0.45	0.12	1.80	0.56	0.00	0.00	0.38	3.31	0.51	0.12	2.35	0.73	0.00	0.00	0.50	4.21
	G10WC004	0.51	0.13	2.02	0.63	0.00	0.00	0.43	3.72	0.58	0.14	2.65	0.82	0.00	0.00	0.57	4.76
G15																	
	G15CA001	9.35	6.06	4.50	1.98	0.74	0.14	11.55	34.32	11.68	6.12	5.80	2.55	0.99	0.18	15.47	42.79
	G15CA003	11.03	7.13	5.03	2.21	0.74	0.14	13.62	39.90	13.79	7.21	6.50	2.86	0.99	0.18	18.24	49.77

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
G15	*cont.*																
	G15CA004	11.72	7.58	5.93	2.61	0.82	0.15	14.47	43.28	14.64	7.66	7.66	3.37	1.10	0.20	19.38	54.01
	G15CA005	15.91	10.40	7.73	3.40	2.00	0.37	19.69	59.50	19.88	10.51	9.98	4.39	2.70	0.49	26.37	74.32
	G15CA006	22.73	14.94	9.89	4.35	4.01	0.73	28.18	84.83	28.42	15.10	12.76	5.61	5.42	0.99	37.75	106.05
	G15CA007	9.93	6.43	4.85	2.13	0.74	0.14	12.26	36.48	12.41	6.50	6.26	2.75	0.99	0.18	16.42	45.51
	G15CA008	13.49	8.71	6.65	2.92	0.88	0.16	16.65	49.46	16.86	8.81	8.58	3.77	1.22	0.22	22.30	61.76
	G15CA009	12.62	8.16	6.65	2.92	0.85	0.16	15.58	46.94	15.77	8.25	8.58	3.77	1.14	0.21	20.87	58.59
	G15CA010	14.60	9.43	7.19	3.16	0.91	0.17	18.02	53.48	18.25	9.53	9.28	4.08	1.27	0.23	24.13	66.77
	G15JD008	9.91	6.53	5.43	2.39	1.64	0.30	12.30	38.50	12.39	6.60	7.01	3.08	2.22	0.41	16.47	48.18
	G15JD009	11.29	7.41	5.61	2.47	1.76	0.32	13.99	42.85	14.11	7.49	7.24	3.18	2.44	0.45	18.73	53.64
	G15JD010	11.41	7.49	6.65	2.92	1.64	0.30	14.14	44.55	14.26	7.57	8.58	3.77	2.22	0.41	18.94	55.75
	G15JD011	12.95	8.47	7.37	3.24	1.76	0.32	16.03	50.14	16.19	8.56	9.51	4.18	2.44	0.45	21.47	62.80
	G15KM006	11.45	7.51	5.18	2.28	1.76	0.32	14.19	42.69	14.31	7.59	6.68	2.94	2.44	0.45	19.01	53.42
	G15KM007	10.39	6.86	5.97	2.62	1.85	0.34	12.89	40.92	12.98	6.93	7.70	3.39	2.50	0.46	17.27	51.23
	G15KM008	13.36	8.76	7.34	3.23	1.98	0.36	16.55	51.58	16.70	8.85	9.47	4.16	2.76	0.51	22.17	64.62
	G15KM009	17.13	11.18	8.81	3.87	2.00	0.37	21.20	64.56	21.42	11.30	11.37	5.00	2.70	0.49	28.40	80.68
H10																	
	H10NP001	0.82	0.20	0.00	0.50	0.00	0.00	1.32	2.84								
	H10NP002	0.91	0.22	0.00	0.50	0.00	0.00	1.46	3.09								
	H10NP003	1.06	0.26	0.00	0.75	0.00	0.00	1.70	3.77								
	H10NP004	1.47	0.36	0.00	0.75	0.00	0.00	2.37	4.95								
	H10NP005	2.09	0.51	0.00	1.00	0.00	0.00	3.36	6.96								
	H10NP006	2.89	0.71	0.00	1.00	0.00	0.00	4.65	9.25								
	H10NP007	3.74	0.92	0.00	1.00	0.00	0.00	6.03	11.69								
	H10NP008	4.27	1.05	0.00	1.25	0.00	0.00	6.88	13.45								
	H10NP009	5.33	1.31	0.00	1.25	0.00	0.00	8.59	16.48								
	H10NP010	6.54	1.61	0.00	1.50	0.00	0.00	10.54	20.19								
	H10NP011	7.79	1.92	0.00	2.00	0.00	0.00	12.55	24.26								
	H10NP012	9.24	2.27	0.00	2.50	0.00	0.00	14.91	28.92								
	H10NP013	12.63	3.11	0.00	3.00	0.00	0.00	20.37	39.11								
	H10NP014	17.65	4.34	0.00	3.50	0.00	0.00	28.46	53.95								
H13																	
	H13AY007	11.90	4.68	0.00	0.00	0.00	0.00	17.27	33.85								
	H13AY008	5.90	2.32	0.00	0.00	0.00	0.00	8.56	16.78								
	H13AY009	10.59	4.17	0.00	0.00	0.00	0.00	15.37	30.13								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
H13	***cont.***																
	H13AY010	5.45	2.14	0.00	0.00	0.00	0.00	7.91	15.50								
	H13AY011	8.87	3.49	0.00	0.00	0.00	0.00	12.87	25.23								
	H13AY012	4.59	1.81	0.00	0.00	0.00	0.00	6.66	13.06								
	H13AY013	7.13	2.80	0.00	0.00	0.00	0.00	10.34	20.27								
	H13AY014	3.87	1.52	0.00	0.00	0.00	0.00	5.62	11.01								
	H13AY015	4.20	1.65	0.00	0.00	0.00	0.00	6.10	11.95								
	H13AY016	2.74	1.08	0.00	0.00	0.00	0.00	3.98	7.80								
	H13AY017	13.17	5.18	0.00	0.00	0.00	0.00	19.12	37.47								
	H13AY018	6.78	2.67	0.00	0.00	0.00	0.00	9.85	19.30								
	H13AY019	0.86	0.34	0.06	0.29	0.00	0.00	1.25	2.80								
	H13AY020	1.11	0.44	0.06	0.29	0.00	0.00	1.61	3.51								
	H13AY021	14.91	5.37	0.00	0.00	0.26	0.05	18.13	38.72								
	H13AY022	8.08	2.94	0.00	0.00	0.26	0.05	9.84	21.17								
	H13AY023	13.56	4.89	0.00	0.00	0.26	0.05	16.49	35.25								
	H13AY024	7.19	2.62	0.00	0.00	0.26	0.05	8.75	18.87								
	H13AY025	12.08	4.36	0.00	0.00	0.26	0.05	14.69	31.44								
	H13AY026	6.62	2.41	0.00	0.00	0.26	0.05	8.06	17.40								
	H13AY027	10.17	3.68	0.00	0.00	0.26	0.05	12.38	26.54								
	H13AY028	5.62	2.06	0.00	0.00	0.26	0.05	6.85	14.84								
	H13AY029	8.23	2.99	0.00	0.00	0.26	0.05	10.02	21.55								
	H13AY030	4.77	1.75	0.00	0.00	0.26	0.05	5.82	12.65								
	H13AY031	5.09	1.87	0.00	0.00	0.26	0.05	6.21	13.48								
	H13AY032	3.54	1.32	0.00	0.00	0.26	0.05	4.33	9.50								
	H13BB001	6.00	0.95	0.60	1.10	0.00	0.00	9.10	17.75								
	H13BB002	7.54	1.19	0.91	1.53	0.00	0.00	11.44	22.61								
	H13BC003	3.99	0.69	0.30	0.19	0.00	0.00	4.50	9.67								
	H13BC006	3.92	0.68	0.18	0.12	0.00	0.00	4.42	9.32								
	H13BC007	5.00	0.86	0.18	0.12	0.00	0.00	5.64	11.80								
	H13BC008	5.93	1.02	0.30	0.19	0.00	0.00	6.70	14.14								
	H13BC009	4.19	0.72	0.18	0.12	0.00	0.00	4.73	9.94								
	H13BC010	2.92	0.50	0.18	0.12	0.00	0.00	3.30	7.02								
	H13BC011	3.31	0.57	0.30	0.19	0.00	0.00	3.74	8.11								
	H13BC012	2.71	0.47	0.18	0.12	0.00	0.00	3.06	6.54								
	H13BC013	2.45	0.42	0.18	0.12	0.00	0.00	2.76	5.93								
	H13CB001	1.75	0.63	0.30	0.44	0.00	0.00	2.13	5.25								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
H13	***cont.***																
	H13CB002	1.92	0.69	0.60	0.64	0.00	0.00	2.33	6.18								
	H13CF001	19.19	8.96	3.02	1.95	0.00	0.00	27.85	60.97								
	H13CF002	21.13	9.87	3.02	1.95	0.00	0.00	30.66	66.63								
	H13CF003	24.91	11.64	3.02	1.95	0.00	0.00	36.15	77.67								
	H13CO002	0.90	0.32	0.30	0.44	0.00	0.00	1.09	3.05								
	H13CO003	1.38	0.64	0.18	0.37	0.00	0.00	2.00	4.57								
	H13CO004	2.49	1.16	0.18	0.62	0.00	0.00	3.61	8.06								
	H13CO005	3.87	1.81	0.18	0.62	0.00	0.00	5.61	12.09								
	H13CO006	2.91	1.36	0.18	0.47	0.00	0.00	4.22	9.14								
	H13HR001	4.29	1.69	0.03	0.27	0.00	0.00	6.23	12.51								
	H13HR002	4.73	1.86	0.09	0.21	0.00	0.00	6.86	13.75								
	H13HR003	12.31	4.43	0.06	2.04	0.16	0.03	14.96	33.99								
	H13MN001	19.93	7.21	9.07	8.28	0.49	0.09	27.27	72.34								
	H13MN002	24.47	8.86	12.09	11.04	0.63	0.12	33.49	90.70								
	H13MN003	24.78	8.97	12.09	12.04	0.63	0.12	33.91	92.54								
	H13MN004	34.92	12.59	18.14	16.56	0.63	0.12	47.76	130.72								
	H13PI001	0.89	0.34	2.02	0.63	0.10	0.02	1.09	5.09								
	H13PI002	0.92	0.35	0.45	0.29	0.10	0.02	1.13	3.26								
	H13PI003	1.03	0.37	0.91	0.59	0.00	0.00	1.25	4.15								
	H13PO001	44.88	16.03	3.32	3.93	0.00	0.00	68.12	136.28								
	H13PR001	6.67	2.63	0.18	0.12	0.00	0.00	9.68	19.28								
	H13PR002	7.70	2.80	0.18	1.62	0.26	0.05	9.38	21.99								
	H13PR003	12.47	4.91	0.30	0.19	0.00	0.00	18.10	35.97								
	H13PR004	14.26	5.14	0.30	1.69	0.26	0.05	17.34	39.04								
	H13PR005	17.36	6.83	0.30	0.19	0.00	0.00	25.20	49.88								
	H13PR006	19.84	7.13	0.30	1.69	0.26	0.05	24.11	53.38								
	H13PR007	38.40	15.11	0.60	0.39	0.00	0.00	55.72	110.22								
	H13PR008	41.70	15.12	0.60	2.39	1.19	0.22	50.75	111.97								
	H13PR009	8.92	3.24	0.06	1.54	0.26	0.05	10.86	24.93								
	H13PR010	9.15	3.32	0.06	1.54	0.26	0.05	11.14	25.52								
	H13PR011	11.38	4.11	0.12	1.58	0.26	0.05	13.84	31.34								
	H13PR012	12.07	4.36	0.12	1.58	0.26	0.05	14.69	33.13								
	H13PR013	13.62	4.91	0.12	1.58	0.26	0.05	16.56	37.10								
	H13PR014	15.14	5.46	0.18	1.62	0.26	0.05	18.41	41.12								
	H13PR015	17.50	6.30	0.18	1.62	0.26	0.05	21.27	47.18								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
H13	***cont.***																
	H13PR016	9.63	3.49	0.48	1.56	0.26	0.05	11.72	27.19								
	H13PR017	13.97	5.04	0.60	1.64	0.26	0.05	16.99	38.55								
	H13PR018	20.36	7.32	0.91	2.09	0.26	0.05	24.75	55.74								
	H13PR019	28.69	10.29	1.21	2.28	0.26	0.05	34.86	77.64								
	H13PR020	7.70	3.03	0.06	0.04	0.00	0.00	11.17	22.00								
	H13PR021	7.92	3.12	0.06	0.04	0.00	0.00	11.49	22.63								
	H13PR022	9.92	3.91	0.12	0.08	0.00	0.00	14.40	28.43								
	H13PR023	10.54	4.15	0.06	0.04	0.00	0.00	15.30	30.09								
	H13PR024	11.95	4.70	0.12	0.08	0.00	0.00	17.34	34.19								
	H13PR025	13.29	5.23	0.18	0.12	0.00	0.00	19.29	38.11								
	H13PR026	15.51	6.10	0.18	0.12	0.00	0.00	22.51	44.42								
	H13PR027	8.37	3.29	0.48	0.31	0.00	0.00	12.14	24.59								
	H13PR028	12.37	4.87	0.60	0.39	0.00	0.00	17.95	36.18								
	H13PR029	18.46	7.27	0.91	0.59	0.00	0.00	26.79	54.02								
	H13PR030	26.04	10.25	1.21	0.78	0.00	0.00	37.79	76.07								
	H13SH001	3.27	1.17	1.21	0.70	0.00	0.00	4.46	10.81								
	H13SH002	3.02	1.08	1.21	0.70	0.00	0.00	4.12	10.13								
	H13SH003	6.04	2.16	2.42	1.41	0.00	0.00	8.25	20.28								
	H13SH004	6.38	2.28	2.42	1.41	0.00	0.00	8.71	21.20								
	H13SH005	10.95	3.91	6.05	3.52	0.00	0.00	14.95	39.38								
	H13SH006	35.06	12.52	18.14	10.56	0.00	0.00	47.89	124.17								
	H13SH007	44.39	15.85	36.27	21.11	0.00	0.00	60.63	178.25								
H20																	
	H20BE001	1.29	0.46	0.00	0.10	0.00	0.00	1.66	3.51								
	H20BE002	1.67	0.59	0.00	0.20	0.00	0.00	2.15	4.61								
	H20BE003	2.16	0.77	0.00	0.30	0.00	0.00	2.78	6.01								
	H20BE004	3.21	1.14	0.00	0.40	0.00	0.00	4.14	8.89								
H25																	
	H25AX001	0.93	0.21	0.00	0.00	0.00	0.00	1.41	2.55								
	H25AX002	1.01	0.23	0.00	0.00	0.00	0.00	1.53	2.77								
	H25AX003	1.14	0.26	0.00	0.00	0.00	0.00	1.74	3.14								
	H25AX004	1.31	0.29	0.00	0.00	0.00	0.00	1.98	3.58								
	H25AX005	1.26	0.28	0.00	0.00	0.00	0.00	1.91	3.45								
	H25AX006	1.42	0.32	0.00	0.00	0.00	0.00	2.16	3.90								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
H25	***cont.***																
	H25BS001	0.60	0.15	0.00	0.00	0.00	0.00	0.77	1.52								
	H25BS002	0.70	0.17	0.00	0.00	0.00	0.00	0.90	1.77								
	H25BS003	0.77	0.19	0.00	0.00	0.00	0.00	0.99	1.95								
	H25BS004	0.94	0.23	0.00	0.00	0.00	0.00	1.21	2.38								
	H25BS005	1.47	0.36	0.00	0.00	0.00	0.00	1.89	3.72								
	H25CA020	8.59	3.73	3.02	1.48	0.00	0.00	10.26	27.08	10.74	3.79	4.03	1.98	0.00	0.00	14.66	35.20
	H25CA021	8.96	3.89	3.22	1.58	0.00	0.00	10.70	28.35	11.20	3.95	4.29	2.11	0.00	0.00	15.29	36.84
	H25CA022	12.36	6.38	4.60	2.26	0.00	0.00	16.87	42.47	14.83	6.44	6.09	2.99	0.00	0.00	22.77	53.12
	H25CA023	14.27	7.37	4.60	2.26	0.00	0.00	19.48	47.98	17.12	7.43	6.09	2.99	0.00	0.00	26.30	59.93
	H25CA025	18.27	9.43	6.04	2.97	0.00	0.00	24.95	61.66	21.93	9.52	7.99	3.93	0.00	0.00	33.68	77.05
	H25CA027	21.67	11.19	7.98	3.92	0.00	0.00	29.58	74.34	26.00	11.29	10.56	5.19	0.00	0.00	39.94	92.98
	H25CA030	26.54	26.69	16.38	5.08	0.00	0.00	54.35	129.04	31.84	26.86	21.85	6.78	0.00	0.00	70.65	157.98
	H25CA031	28.03	28.20	16.38	5.08	0.00	0.00	57.41	135.10	33.64	28.37	21.85	6.78	0.00	0.00	74.64	165.28
	H25CA032	29.08	15.01	10.43	5.13	0.00	0.00	39.71	99.36	34.90	15.15	13.79	6.78	0.00	0.00	53.60	124.22
	H25CA033	22.89	23.02	14.32	4.44	0.00	0.00	46.88	111.55	27.47	23.17	19.09	5.92	0.00	0.00	60.94	136.59
	H25CS004	10.25	4.45	3.83	1.88	0.00	0.00	12.24	32.65	12.81	4.52	5.10	2.51	0.00	0.00	17.49	42.43
	H25CS005	12.01	5.22	3.94	1.94	0.00	0.00	14.35	37.46	15.02	5.29	5.26	2.58	0.00	0.00	20.50	48.65
	H25CS006	12.10	6.25	4.60	2.26	0.00	0.00	16.53	41.74	14.53	6.31	6.09	2.99	0.00	0.00	22.31	52.23
	H25CS007	15.33	7.92	5.83	2.87	0.00	0.00	20.93	52.88	18.40	7.99	7.70	3.78	0.00	0.00	28.26	66.13
	H25CS008	19.03	9.83	8.63	4.24	0.00	0.00	25.98	67.71	22.84	9.91	11.41	5.61	0.00	0.00	35.08	84.85
	H25CS009	28.43	14.68	10.79	5.30	0.00	0.00	38.82	98.02	34.12	14.81	14.27	7.01	0.00	0.00	52.41	122.62
	H25HI001	10.26	4.46	2.91	1.43	0.00	0.00	12.26	31.32	12.83	4.52	3.88	1.91	0.00	0.00	17.52	40.66
	H25HI005	14.22	7.34	4.75	2.33	0.00	0.00	19.42	48.06	17.07	7.41	6.28	3.09	0.00	0.00	26.22	60.07
	H25HI010	19.48	10.06	6.04	2.97	0.00	0.00	26.60	65.15	23.38	10.15	7.99	3.93	0.00	0.00	35.91	81.36
	H25HI012	31.93	16.49	10.82	5.32	0.00	0.00	43.60	108.16	38.32	16.64	14.32	7.04	0.00	0.00	58.85	135.17
	H25HI019	27.73	27.89	16.61	5.16	0.00	0.00	56.79	134.18	33.28	28.07	22.15	6.87	0.00	0.00	73.83	164.20
	H25HI020	59.91	60.26	38.28	11.88	0.00	0.00	122.69	293.02	71.89	60.64	51.04	15.84	0.00	0.00	159.50	358.91
	H25HI021	123.06	123.78	67.37	20.91	0.00	0.00	252.02	587.14	147.67	124.55	89.83	27.88	0.00	0.00	327.63	717.56
	H25JD020	9.87	4.28	3.45	1.70	0.00	0.00	11.79	31.09	12.33	4.35	4.59	2.26	0.00	0.00	16.84	40.37
	H25JD021	7.61	3.30	2.11	1.04	0.00	0.00	9.09	23.15	9.51	3.35	2.81	1.38	0.00	0.00	12.99	30.04
	H25JD022	11.50	4.99	4.02	1.98	0.00	0.00	13.74	36.23	14.38	5.07	5.36	2.63	0.00	0.00	19.63	47.07
	H25JD023	12.26	6.33	5.03	2.47	0.00	0.00	16.74	42.83	14.71	6.39	6.66	3.27	0.00	0.00	22.60	53.63
	H25JD024	13.78	7.12	5.03	2.47	0.00	0.00	18.82	47.22	16.54	7.18	6.66	3.27	0.00	0.00	25.41	59.06
	H25JD025	16.72	8.63	6.47	3.18	0.00	0.00	22.83	57.83	20.06	8.71	8.56	4.21	0.00	0.00	30.82	72.36
	H25JD026	21.29	10.99	8.45	4.15	0.00	0.00	29.07	73.95	25.55	11.09	11.18	5.49	0.00	0.00	39.24	92.55

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
H25	***cont.***																
	H25JD027	27.90	14.40	10.25	5.04	0.00	0.00	38.09	95.68	33.48	14.53	13.55	6.66	0.00	0.00	51.42	119.64
	H25JD028	23.93	18.22	13.82	3.93	0.00	0.00	44.92	104.82	28.71	18.33	18.43	5.24	0.00	0.00	58.80	129.51
	H25JD029	23.36	23.50	16.61	5.16	0.00	0.00	47.84	116.47	28.03	23.64	22.15	6.87	0.00	0.00	62.20	142.89
	H25KC016	9.89	4.30	3.60	1.77	0.00	0.00	11.82	31.38	12.37	4.36	4.80	2.36	0.00	0.00	16.88	40.77
	H25KC017	6.96	3.02	2.07	1.02	0.00	0.00	8.32	21.39	8.71	3.07	2.76	1.36	0.00	0.00	11.89	27.79
	H25KC019	12.43	6.42	5.14	2.53	0.00	0.00	16.98	43.50	14.92	6.48	6.80	3.34	0.00	0.00	22.92	54.46
	H25KC020	14.19	7.32	5.14	2.53	0.00	0.00	19.37	48.55	17.02	7.39	6.80	3.34	0.00	0.00	26.15	60.70
	H25KC021	14.28	7.37	6.33	3.11	0.00	0.00	19.49	50.58	17.13	7.44	8.37	4.11	0.00	0.00	26.31	63.36
	H25KC022	16.97	8.76	6.33	3.11	0.00	0.00	23.17	58.34	20.37	8.84	8.37	4.11	0.00	0.00	31.28	72.97
	H25KC023	20.56	10.61	8.56	4.21	0.00	0.00	28.07	72.01	24.67	10.71	11.32	5.56	0.00	0.00	37.90	90.16
	H25KC024	17.78	13.54	11.71	3.33	0.00	0.00	33.39	79.75	21.34	13.63	15.62	4.44	0.00	0.00	43.71	98.74
	H25KC025	19.62	14.94	11.71	3.33	0.00	0.00	36.83	86.43	23.54	15.03	15.62	4.44	0.00	0.00	48.21	106.84
	H25KM001	11.89	5.16	3.90	1.92	0.00	0.00	14.20	37.07	14.86	5.24	5.21	2.56	0.00	0.00	20.29	48.16
	H25KM003	13.89	6.03	4.02	1.98	0.00	0.00	16.59	42.51	17.36	6.12	5.36	2.63	0.00	0.00	23.70	55.17
	H25KM004	17.45	9.01	5.68	2.79	0.00	0.00	23.83	58.76	20.94	9.09	7.51	3.69	0.00	0.00	32.16	73.39
	H25KM005	24.28	12.53	8.34	4.10	0.00	0.00	33.15	82.40	29.13	12.65	11.03	5.42	0.00	0.00	44.75	102.98
	H25KM009	30.24	30.42	16.96	5.26	0.00	0.00	61.94	144.82	36.29	30.61	22.61	7.02	0.00	0.00	80.52	177.05
	H25KM010	41.88	42.13	23.39	7.26	0.00	0.00	85.78	200.44	50.26	42.39	31.19	9.68	0.00	0.00	111.51	245.03
	H25KM011	44.05	44.31	23.39	7.26	0.00	0.00	90.22	209.23	52.86	44.59	31.19	9.68	0.00	0.00	117.29	255.61
	H25KM012	15.29	7.89	4.78	2.35	0.00	0.00	20.88	51.19	18.35	7.97	6.33	3.11	0.00	0.00	28.18	63.94
	H25KM013	31.73	16.38	11.00	5.41	0.00	0.00	43.32	107.84	38.08	16.53	14.55	7.15	0.00	0.00	58.48	134.79
	H25KM014	22.31	16.99	11.71	3.33	0.00	0.00	41.89	96.23	26.77	17.09	15.62	4.44	0.00	0.00	54.83	118.75
	H25KM015	31.30	23.83	14.70	4.18	0.00	0.00	58.76	132.77	37.56	23.98	19.60	5.58	0.00	0.00	76.92	163.64
	H25KN001	4.18	0.94	0.00	0.50	0.00	0.00	6.35	11.97								
	H25KN002	5.79	1.30	0.00	0.50	0.00	0.00	8.79	16.38								
	H25KN003	7.08	1.59	0.00	0.50	0.00	0.00	10.75	19.92								
	H25KN004	9.19	2.06	0.00	0.50	0.00	0.00	13.94	25.69								
	H25KN005	11.55	2.60	0.00	1.00	0.00	0.00	17.53	32.68								
	H25KN006	16.38	3.68	0.00	1.00	0.00	0.00	24.87	45.93								
	H25KN007	0.59	0.13	0.00	0.15	0.00	0.00	0.89	1.76								
	H25KN009	1.20	0.27	0.00	0.15	0.00	0.00	1.82	3.44								
	H25KN010	1.79	0.40	0.00	0.15	0.00	0.00	2.72	5.06								
	H25LU001	2.74	0.62	0.00	0.40	0.00	0.00	3.74	7.50								
	H25LU002	3.68	0.83	0.00	0.50	0.00	0.00	5.03	10.04								
	H25LU003	5.78	1.30	0.00	0.80	0.00	0.00	7.90	15.78								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
H25	***cont.***																
	H25LU004	7.40	1.66	0.00	0.90	0.00	0.00	10.10	20.06								
	H25LU005	7.89	1.77	0.00	1.10	0.00	0.00	10.78	21.54								
	H25LU006	11.68	2.62	0.00	1.50	0.00	0.00	15.95	31.75								
	H25LU007	9.57	2.15	0.00	1.40	0.00	0.00	13.07	26.19								
	H25LU008	13.27	2.98	0.00	1.60	0.00	0.00	18.13	35.98								
	H25LU009	13.83	3.11	0.00	1.70	0.00	0.00	18.89	37.53								
	H25LU010	17.32	3.89	0.00	2.00	0.00	0.00	23.66	46.87								
	H25LU011	16.58	3.72	0.00	2.00	0.00	0.00	22.64	44.94								
	H25LU012	21.01	4.72	0.00	2.50	0.00	0.00	28.70	56.93								
	H25LU013	21.05	4.73	0.00	2.60	0.00	0.00	28.76	57.14								
	H25LU014	25.35	5.70	0.00	3.00	0.00	0.00	34.63	68.68								
	H25LU015	23.53	5.29	0.00	3.00	0.00	0.00	32.13	63.95								
	H25LU016	29.02	6.52	0.00	3.60	0.00	0.00	39.64	78.78								
	H25LU023	1.44	0.35	0.00	0.25	0.00	0.00	1.86	3.90								
	H25LU024	2.10	0.52	0.00	0.30	0.00	0.00	2.71	5.63								
	H25LU025	2.60	0.64	0.00	0.40	0.00	0.00	3.35	6.99								
	H25LU026	2.98	0.73	0.00	0.50	0.00	0.00	3.84	8.05								
	H25LU027	3.35	0.82	0.00	0.60	0.00	0.00	4.32	9.09								
	H25LU028	4.31	1.06	0.00	0.70	0.00	0.00	5.56	11.63								
	H25LU029	3.36	0.83	0.00	0.40	0.00	0.00	4.33	8.92								
	H25LU030	5.19	1.28	0.00	0.60	0.00	0.00	6.69	13.76								
	H25LU031	8.58	2.11	0.00	1.20	0.00	0.00	11.07	22.96								
	H25LU032	10.29	2.53	0.00	1.40	0.00	0.00	13.27	27.49								
	H25LU033	4.66	1.15	0.00	0.60	0.00	0.00	6.01	12.42								
	H25LU034	6.28	1.55	0.00	0.80	0.00	0.00	8.11	16.74								
	H25LU035	6.69	1.65	0.00	0.90	0.00	0.00	8.63	17.87								
	H25LU036	7.09	1.74	0.00	1.00	0.00	0.00	9.14	18.97								
	H25LU040	12.86	2.89	0.00	0.75	0.00	0.00	19.51	36.01								
	H25LU041	16.30	3.66	0.00	0.75	0.00	0.00	24.74	45.45								
	H25LU042	19.81	4.45	0.00	1.50	0.00	0.00	30.06	55.82								
	H25LU045	3.13	0.70	0.00	0.50	0.00	0.00	4.75	9.08								
	H25LU046	3.35	0.75	0.00	0.50	0.00	0.00	5.09	9.69								
	H25LU047	3.90	0.88	0.00	0.60	0.00	0.00	5.91	11.29								
	H25LU048	4.33	0.97	0.00	0.70	0.00	0.00	6.58	12.58								
	H25LU049	5.25	1.18	0.00	0.80	0.00	0.00	7.96	15.19								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
H25	***cont.***																
	H25LU050	6.41	1.44	0.00	0.90	0.00	0.00	9.74	18.49								
	H25LU053	14.58	3.28	0.00	0.75	0.00	0.00	22.13	40.74								
	H25LU054	17.96	4.03	0.00	0.75	0.00	0.00	27.26	50.00								
	H25OK001	22.55	22.68	15.31	4.75	0.00	0.00	46.18	111.47	27.06	22.82	20.42	6.34	0.00	0.00	60.04	136.68
	H25TK001	1.61	0.70	0.31	0.15	0.00	0.00	1.93	4.70	2.02	0.71	0.41	0.20	0.00	0.00	2.75	6.09
	H25TK002	2.20	0.95	0.61	0.30	0.00	0.00	2.62	6.68	2.75	0.97	0.82	0.40	0.00	0.00	3.75	8.69
	H25TK004	2.79	1.21	1.00	0.49	0.00	0.00	3.33	8.82	3.48	1.23	1.33	0.65	0.00	0.00	4.76	11.45
	H25TK005	3.25	1.41	1.26	0.62	0.00	0.00	3.88	10.42	4.06	1.43	1.68	0.83	0.00	0.00	5.54	13.54
	H25TK006	4.62	2.01	1.65	0.81	0.00	0.00	5.52	14.61	5.78	2.04	2.19	1.08	0.00	0.00	7.88	18.97
	H25TK007	6.43	2.79	2.14	1.05	0.00	0.00	7.68	20.09	8.04	2.83	2.86	1.41	0.00	0.00	10.97	26.11
	H25WN001	1.56	0.38	0.00	0.00	0.00	0.00	2.02	3.96								
H30																	
	H30CA005	17.23	6.23	4.60	2.14	0.76	0.14	14.80	45.90	22.98	6.38	5.94	2.77	0.97	0.18	21.70	60.92
	H30GA001	16.55	5.94	6.22	2.90	0.77	0.14	14.19	46.71	22.07	6.08	7.81	3.64	0.96	0.18	20.81	61.55
	H30GA003	15.19	5.45	2.93	1.36	0.42	0.08	13.02	38.45	20.25	5.58	3.58	1.67	0.53	0.10	19.09	50.80
	H30GA004	16.77	6.02	2.93	1.36	0.49	0.09	14.37	42.03	22.35	6.16	3.58	1.67	0.61	0.11	21.08	55.56
	H30GA006	24.61	8.83	6.89	3.21	0.72	0.13	21.09	65.48	32.81	9.04	8.69	4.04	0.89	0.16	30.94	86.57
	H30KM001	15.80	6.97	4.50	2.10	0.56	0.10	16.24	46.27	19.75	7.08	5.80	2.70	0.71	0.13	22.00	58.17
H35																	
	H35CA001	21.36	28.85	16.38	5.08	0.00	0.00	41.02	112.69	25.63	28.94	21.85	6.78	0.00	0.00	53.32	136.52
	H35HI002	42.67	57.62	38.28	11.88	0.00	0.00	81.92	232.37	51.20	57.81	51.04	15.84	0.00	0.00	106.50	282.39
	H35HI003	10.44	14.10	67.37	20.91	0.00	0.00	20.05	132.87	12.53	14.15	89.83	27.88	0.00	0.00	26.07	170.46
	H35HI004	21.76	29.39	16.61	5.16	0.00	0.00	41.78	114.70	26.11	29.48	22.15	6.87	0.00	0.00	54.31	138.92
	H35KC001	7.68	10.37	9.11	2.83	0.00	0.00	14.74	44.73	9.21	10.40	12.15	3.77	0.00	0.00	19.16	54.69
	H35KC002	9.85	13.30	11.71	3.63	0.00	0.00	18.91	57.40	11.82	13.34	15.62	4.85	0.00	0.00	24.58	70.21
	H35KM008	48.75	65.84	34.76	10.79	0.00	0.00	93.60	253.74	58.50	66.05	46.34	14.38	0.00	0.00	121.68	306.95
	H35OK001	21.81	29.45	18.99	5.89	0.00	0.00	41.87	118.01	26.17	29.54	25.32	7.86	0.00	0.00	54.43	143.32
	H35OK003	40.44	54.61	32.77	10.17	0.00	0.00	77.64	215.63	48.52	54.79	43.69	13.56	0.00	0.00	100.93	261.49
	H35OK004	55.94	75.55	44.02	13.66	0.00	0.00	107.40	296.57	67.13	75.79	58.70	18.22	0.00	0.00	139.62	359.46
	H35OK005	119.08	160.83	78.86	24.48	0.00	0.00	228.64	611.89	142.90	161.35	105.14	32.63	0.00	0.00	297.24	739.26
L10																	
	L10BS002	2.04	0.80	0.00	0.30	0.00	0.00	3.01	6.15	2.92	0.83	0.00	0.30	0.00	0.00	4.79	8.84
	L10BS004	0.71	0.28	0.00	0.25	0.00	0.00	1.04	2.28	1.01	0.29	0.00	0.25	0.00	0.00	1.65	3.20

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
L10	*cont.*																
	L10BS005	1.87	0.74	0.00	0.30	0.00	0.00	2.76	5.67	2.67	0.76	0.00	0.30	0.00	0.00	4.39	8.12
	L10BS006	2.97	1.17	0.00	0.40	0.00	0.00	4.37	8.91	4.24	1.20	0.00	0.40	0.00	0.00	6.95	12.79
	L10BS007	2.63	1.03	0.00	0.50	0.00	0.00	3.88	8.04	3.75	1.06	0.00	0.50	0.00	0.00	6.16	11.47
	L10BU005	0.58	0.23	0.00	1.10	0.00	0.00	0.85	2.76	0.82	0.23	0.00	1.10	0.00	0.00	1.35	3.50
	L10BU009	0.35	0.14	0.00	0.90	0.00	0.00	0.52	1.91	0.50	0.14	0.00	0.90	0.00	0.00	0.83	2.37
	L10BU010	0.46	0.18	0.00	0.80	0.00	0.00	0.68	2.12	0.66	0.19	0.00	0.80	0.00	0.00	1.08	2.73
	L10BU011	0.96	0.38	0.00	1.50	0.00	0.00	1.41	4.25	1.37	0.39	0.00	1.50	0.00	0.00	2.24	5.50
	L10BU012	1.21	0.48	0.00	2.00	0.00	0.00	1.78	5.47	1.73	0.49	0.00	2.00	0.00	0.00	2.83	7.05
	L10BU013	1.47	0.58	0.00	2.50	0.00	0.00	2.17	6.72	2.10	0.59	0.00	2.50	0.00	0.00	3.44	8.63
	L10RM004	2.76	1.09	0.00	0.40	0.00	0.00	4.08	8.33	3.95	1.12	0.00	0.40	0.00	0.00	6.47	11.94
	L10VE002	0.98	0.39	3.53	1.37	0.02	0.00	1.45	7.74	1.40	0.40	4.59	1.78	0.03	0.01	2.31	10.52
	L10VE005	0.72	0.29	1.35	0.52	0.03	0.01	1.07	3.99	1.03	0.30	1.75	0.68	0.04	0.01	1.70	5.51
	L10VE006	1.75	0.70	1.35	0.52	0.03	0.01	2.58	6.94	2.50	0.71	1.75	0.68	0.04	0.01	4.11	9.80
	L10VE007	1.71	0.67	0.00	1.50	0.00	0.00	2.52	6.40	2.44	0.69	0.00	1.50	0.00	0.00	3.99	8.62
	L10VE009	1.96	0.78	6.75	2.62	0.03	0.01	2.90	15.05	2.80	0.80	8.77	3.40	0.04	0.01	4.60	20.42
	L10VE010	0.95	0.38	2.60	1.01	0.02	0.00	1.41	6.37	1.36	0.39	3.37	1.31	0.03	0.01	2.24	8.71
L15																	
	L15EX002	3.17	0.53	1.09	0.34	0.15	0.03	3.40	8.71								
	L15EX010	4.76	0.76	7.47	2.32	0.07	0.01	5.07	20.46								
	L15EX012	6.06	0.99	5.26	1.63	0.22	0.04	6.47	20.67								
	L15EX014	1.17	0.20	2.77	0.86	0.06	0.01	1.26	6.33								
	L15EX015	1.88	0.31	3.04	0.94	0.11	0.02	2.02	8.32								
	L15FG001	10.08	1.59	5.18	1.61	0.00	0.00	10.70	29.16								
	L15JD001	2.10	0.36	2.77	0.86	0.18	0.03	2.27	8.57								
	L15JD002	2.94	0.50	3.04	0.94	0.20	0.04	3.15	10.81								
	L15JD003	4.57	0.76	1.33	0.41	0.23	0.04	4.89	12.23								
	L15JD004	3.74	0.62	1.05	0.33	0.20	0.04	4.01	9.99								
	L15TO001	0.19	0.03	0.83	0.26	0.00	0.00	0.20	1.51								
	L15TO002	0.47	0.08	1.11	0.34	0.05	0.01	0.51	2.57								
	L15TO003	0.97	0.16	2.35	0.73	0.05	0.01	1.04	5.31								
	L15TO004	1.02	0.17	2.35	0.73	0.04	0.01	1.09	5.41								
	L15TO005	4.23	0.68	1.09	0.34	0.09	0.02	4.50	10.95								
	L15TO006	3.43	0.56	3.18	0.99	0.09	0.02	3.66	11.93								
	L15TO007	3.79	0.61	6.23	1.93	0.09	0.02	4.04	16.71								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
L15	*cont.*																
	L15TO008	4.79	0.77	1.19	0.37	0.09	0.02	5.10	12.33								
	L15WI001	1.28	0.21	0.00	0.00	0.03	0.01	1.37	2.90								
L20																	
	L20AB012	1.72	0.56	0.61	0.19	0.06	0.01	4.18	7.33								
	L20AB013	1.45	0.47	0.84	0.26	0.04	0.01	3.53	6.60								
	L20AB014	1.30	0.42	0.61	0.19	0.04	0.01	3.17	5.74								
	L20AB015	0.68	0.22	0.00	0.00	0.04	0.01	1.64	2.59								
	L20AB016	0.71	0.23	0.00	0.00	0.04	0.01	1.73	2.72								
	L20AI001	0.50	0.16	0.59	0.18	0.02	0.00	1.22	2.67								
	L20AI002	1.79	0.58	0.56	0.17	0.03	0.01	4.34	7.48								
	L20AI003	2.00	0.65	0.82	0.25	0.03	0.01	4.85	8.61								
	L20AI004	2.66	0.86	0.79	0.25	0.03	0.01	6.44	11.04								
L25																	
	L25MB001	0.25	0.08	0.74	0.98	0.00	0.00	0.49	2.54								
	L25MB002	0.34	0.11	0.74	1.23	0.00	0.00	0.65	3.07								
	L25MB003	1.11	0.36	1.47	1.71	0.00	0.00	2.15	6.80								
	L25MB004	10.20	3.30	27.94	10.17	0.30	0.05	19.78	71.74								
	L25MB005	0.49	0.16	1.47	1.46	0.00	0.00	0.94	4.52								
	L25MB006	8.03	2.57	8.82	3.99	0.00	0.00	15.52	38.93								
	L25MB007	3.66	1.17	3.38	2.05	0.00	0.00	7.07	17.33								
	L25MB008	18.97	6.14	27.94	10.17	0.55	0.10	36.78	100.65								
L30																	
	L30MO001	2.99	1.21	3.37	1.22	0.12	0.02	4.85	13.78	3.74	1.22	4.41	1.60	0.13	0.02	6.66	17.78
	L30MO002	3.13	1.26	3.37	1.22	0.12	0.02	5.08	14.20	3.92	1.28	4.41	1.60	0.13	0.02	6.98	18.34
	L30MX008	2.13	0.84	0.00	0.75	0.00	0.00	3.43	7.15	2.66	0.85	0.00	0.75	0.00	0.00	4.71	8.97
L35																	
	L35CA005	17.21	5.50	5.05	2.48	0.00	0.00	38.10	68.34	22.95	5.65	6.60	3.24	0.00	0.00	52.67	91.11
	L35CA007	32.95	10.54	8.77	4.31	0.00	0.00	72.94	129.51	43.93	10.81	11.45	5.63	0.00	0.00	100.83	172.65
	L35CA011	8.99	2.88	2.92	1.43	0.00	0.00	19.91	36.13	11.99	2.95	3.82	1.88	0.00	0.00	27.52	48.16
	L35CA012	9.70	3.10	2.92	1.43	0.00	0.00	21.47	38.62	12.93	3.18	3.82	1.88	0.00	0.00	29.67	51.48
	L35CA013	11.19	3.58	3.76	1.85	0.00	0.00	24.76	45.14	14.92	3.67	4.91	2.41	0.00	0.00	34.23	60.14
	L35CA014	22.34	7.14	6.68	3.28	0.00	0.00	49.45	88.89	29.78	7.33	8.72	4.29	0.00	0.00	68.35	118.47
	L35JD002	9.04	2.89	2.92	1.43	0.00	0.00	20.02	36.30	12.06	2.97	3.82	1.88	0.00	0.00	27.67	48.40

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
L35	*cont.*																
	L35JD003	11.31	3.62	3.76	1.85	0.00	0.00	25.05	45.59	15.09	3.71	4.91	2.41	0.00	0.00	34.62	60.74
	L35KM006	37.41	11.96	8.35	4.10	0.00	0.00	82.82	144.64	49.88	12.27	10.90	5.36	0.00	0.00	114.48	192.89
	L35TK001	3.79	1.21	2.55	1.25	0.00	0.00	8.39	17.19	5.06	1.24	3.33	1.64	0.00	0.00	11.60	22.87
L40																	
	L40CA007	25.58	12.42	11.48	4.45	7.72	1.41	29.23	92.29	30.70	12.56	15.31	5.94	14.74	2.70	37.59	119.54
	L40CA008	37.05	18.14	16.46	6.39	8.65	1.58	42.41	130.68	44.46	18.34	21.95	8.52	16.51	3.02	54.53	167.33
	L40CA009	86.04	42.01	30.62	11.88	11.83	2.16	98.43	282.97	103.25	42.47	40.83	15.84	22.58	4.13	126.59	355.69
	L40CA012	10.48	4.65	4.79	2.60	1.43	0.26	13.66	37.87	13.10	4.72	6.38	3.47	2.73	0.50	18.21	49.11
	L40CA013	7.81	3.48	3.45	1.87	1.31	0.24	10.19	28.35	9.76	3.53	4.59	2.49	2.50	0.46	13.59	36.92
	L40CA014	17.96	7.92	7.66	4.16	1.78	0.33	23.37	63.18	22.45	8.04	10.21	5.55	3.40	0.62	31.17	81.44
	L40CA015	93.21	40.56	5.24	2.85	1.43	0.26	112.79	256.34	116.51	41.17	6.99	3.80	2.73	0.50	151.09	322.79
	L40CA018	61.66	30.30	23.93	9.28	9.73	1.78	70.63	207.31	73.99	30.63	31.90	12.38	18.58	3.40	90.83	261.71
	L40CA019	7.73	3.45	3.75	2.04	1.31	0.24	9.41	27.93	9.67	3.50	5.00	2.72	2.50	0.46	12.61	36.46
	L40CA022	8.44	3.76	4.29	2.33	1.43	0.26	10.28	30.79	10.55	3.82	5.72	3.11	2.73	0.50	13.77	40.20
	L40CA023	12.36	5.57	5.55	3.01	3.05	0.56	15.09	45.19	15.45	5.66	7.40	4.02	5.81	1.06	20.22	59.62
	L40CA024	15.70	7.11	6.89	3.74	4.30	0.79	19.19	57.72	19.62	7.22	9.19	4.99	8.21	1.50	25.70	76.43
	L40CA025	16.53	7.47	7.66	4.16	4.30	0.79	20.20	61.11	20.67	7.59	10.21	5.55	8.21	1.50	27.06	80.79
	L40CA026	21.71	9.83	9.00	4.89	5.95	1.09	26.54	79.01	27.13	9.98	11.99	6.51	11.36	2.08	35.55	104.60
	L40CA027	20.62	9.94	10.14	3.93	4.97	0.91	23.52	74.03	24.74	10.05	13.53	5.25	9.48	1.73	30.25	95.03
	L40CA028	2.31	0.76	2.05	1.11	0.26	0.05	3.02	9.56								
	L40CA029	2.42	0.80	2.26	1.23	0.26	0.05	3.16	10.18								
	L40CA030	2.91	0.97	2.46	1.34	0.36	0.07	3.80	11.91								
	L40CA031	3.09	1.02	3.09	1.68	0.36	0.07	4.03	13.34								
	L40CS009	9.29	4.21	4.82	2.62	2.65	0.48	11.36	35.43	11.61	4.28	6.43	3.49	5.05	0.92	15.21	46.99
	L40CS010	11.77	5.29	5.36	2.91	2.65	0.48	14.36	42.82	14.71	5.37	7.15	3.88	5.05	0.92	19.24	56.32
	L40CS011	15.37	6.95	6.51	3.54	4.08	0.75	18.79	55.99	19.22	7.06	8.68	4.71	7.79	1.43	25.17	74.06
	L40CS012	17.96	8.76	9.49	3.68	5.95	1.09	20.54	67.47	21.55	8.85	12.66	4.91	11.36	2.08	26.42	87.83
	L40CS014	1.78	0.58	1.04	0.56	0.13	0.02	2.32	6.43								
	L40CS016	2.23	0.73	1.92	1.04	0.21	0.04	2.91	9.08								
	L40CS017	2.50	0.82	2.09	1.14	0.21	0.04	3.25	10.05								
	L40CS018	2.97	0.98	2.34	1.27	0.28	0.05	3.88	11.77								
	L40JC004	4.80	2.17	3.83	2.08	1.22	0.22	6.29	20.61	6.01	2.20	5.10	2.77	2.33	0.43	8.39	27.23
	L40JC005	5.20	2.35	3.06	1.66	1.31	0.24	6.80	20.62	6.50	2.38	4.08	2.22	2.50	0.46	9.07	27.21
	L40JC006	6.31	2.81	3.06	1.66	0.97	0.18	8.23	23.22	7.89	2.85	4.08	2.22	1.86	0.34	10.97	30.21

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
L40	*cont.*																
	L40JD006	18.70	9.10	9.95	3.86	5.95	1.09	21.38	70.03	22.44	9.20	13.27	5.15	11.36	2.08	27.49	90.99
	L40JD009	7.31	3.28	3.75	2.04	1.63	0.30	8.92	27.23	9.14	3.33	5.00	2.72	3.11	0.57	11.94	35.81
	L40JD010	7.76	3.48	4.21	2.29	1.63	0.30	9.47	29.14	9.70	3.53	5.61	3.05	3.11	0.57	12.68	38.25
	L40JD011	9.32	4.16	4.98	2.70	1.63	0.30	11.35	34.44	11.65	4.22	6.64	3.61	3.11	0.57	15.20	45.00
	L40JD012	14.54	6.52	6.89	3.74	3.05	0.56	17.73	53.03	18.18	6.62	9.19	4.99	5.81	1.06	23.75	69.60
	L40JD013	2.10	0.70	2.13	1.16	0.27	0.05	2.75	9.16								
	L40JD014	2.40	0.79	2.55	1.39	0.27	0.05	3.14	10.59								
	L40JD015	2.81	0.99	2.88	1.56	0.90	0.16	3.71	13.01								
	L40JD016	3.35	1.16	3.22	1.75	0.90	0.16	4.42	14.96								
	L40JD017	8.48	3.79	4.21	2.29	1.63	0.30	11.07	31.77	10.60	3.85	5.61	3.05	3.11	0.57	14.76	41.55
	L40JD018	9.74	4.34	4.98	2.70	1.63	0.30	12.71	36.40	12.17	4.41	6.64	3.61	3.11	0.57	16.94	47.45
	L40JD019	12.08	5.36	6.12	3.32	1.63	0.30	15.74	44.55	15.10	5.44	8.17	4.44	3.11	0.57	20.99	57.82
	L40KM001	8.60	3.85	4.02	2.18	1.63	0.30	10.48	31.06	10.75	3.90	5.36	2.91	3.11	0.57	14.03	40.63
	L40KM002	9.98	4.44	4.52	2.46	1.63	0.30	12.14	35.47	12.47	4.51	6.02	3.27	3.11	0.57	16.27	46.22
	L40KM003	12.08	5.36	5.17	2.81	1.63	0.30	14.69	42.04	15.10	5.44	6.89	3.74	3.11	0.57	19.68	54.53
	L40KM004	14.06	6.31	6.62	3.60	3.05	0.56	17.15	51.35	17.57	6.41	8.83	4.80	5.81	1.06	22.97	67.45
	L40KM005	18.00	8.14	7.85	4.26	4.68	0.86	22.00	65.79	22.50	8.26	10.46	5.68	8.94	1.64	29.46	86.94
	L40KM006	20.05	9.02	8.80	4.78	4.68	0.86	24.47	72.66	25.06	9.16	11.74	6.38	8.94	1.64	32.77	95.69
	L40KM007	20.99	10.26	10.37	4.02	4.76	0.87	24.02	75.29	25.19	10.38	13.83	5.37	9.09	1.66	30.89	96.41
	L40KM008	29.05	14.13	12.82	4.97	5.86	1.07	33.21	101.11	34.86	14.29	17.10	6.63	11.19	2.05	42.71	128.83
	L40KM009	37.99	18.77	18.76	7.28	6.68	1.22	43.57	134.27	45.59	18.98	25.01	9.70	12.76	2.34	56.04	170.42
	L40KM010	75.12	36.40	26.18	10.16	8.50	1.56	85.81	243.73	90.15	36.80	34.91	13.54	16.22	2.97	110.35	304.94
	L40KM011	96.48	46.96	32.65	12.67	12.37	2.26	110.30	313.69	115.77	47.48	43.54	16.89	23.61	4.32	141.85	393.46
	L40KM012	10.27	4.57	4.52	2.46	1.63	0.30	13.39	37.14	12.84	4.64	6.02	3.27	3.11	0.57	17.86	48.31
	L40KM013	11.82	5.35	5.17	2.81	3.17	0.58	15.49	44.39	14.78	5.43	6.89	3.74	6.05	1.11	20.65	58.65
	L40ME012	2.04	0.67	1.82	0.99	0.15	0.03	2.66	8.36								
	L40ME015	0.92	0.30	2.00	0.83	0.10	0.02	1.20	5.37								
	L40ME016	1.18	0.39	0.66	0.36	0.10	0.02	1.54	4.25								
	L40ME017	1.52	0.50	0.94	0.51	0.20	0.04	1.98	5.69								
	L40ME018	1.86	0.61	1.59	0.86	0.15	0.03	2.43	7.53								
	L40ME019	2.77	0.92	3.07	1.67	0.36	0.07	3.62	12.48								
L50																	
	L50CA001	5.62	2.50	2.41	1.00	0.44	0.08	7.82	19.87	11.24	2.65	3.34	1.38	0.61	0.11	16.61	35.94
	L50CA002	6.31	2.80	2.56	1.06	0.44	0.08	8.77	22.02	12.61	2.96	3.55	1.47	0.61	0.11	18.61	39.92

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
L50	*cont.*																
	L50CA003	6.77	3.01	2.80	1.16	0.48	0.09	9.42	23.73	13.55	3.18	3.88	1.61	0.68	0.12	20.00	43.02
	L50CA004	9.15	4.08	3.32	1.37	0.76	0.14	12.74	31.56	18.30	4.32	4.59	1.90	1.05	0.19	27.05	57.40
	L50CS004	5.43	2.41	2.14	0.89	0.42	0.08	7.55	18.92	10.85	2.56	2.96	1.22	0.58	0.11	16.03	34.31
	L50CS005	5.68	2.53	2.59	1.07	0.48	0.09	7.91	20.35	11.37	2.68	3.59	1.49	0.67	0.12	16.80	36.72
	L50CS006	6.75	3.05	2.59	1.07	0.83	0.15	9.43	23.87	13.50	3.23	3.59	1.49	1.14	0.21	20.02	43.18
	L50JC001	4.07	1.87	1.81	0.75	0.76	0.14	5.71	15.11	8.15	1.98	2.51	1.04	1.08	0.20	12.13	27.09
	L50JC002	5.06	2.30	2.59	1.07	0.66	0.12	7.07	18.87	10.11	2.43	3.59	1.49	0.90	0.16	15.01	33.69
	L50JC003	5.77	2.60	2.77	1.15	0.73	0.13	8.05	21.20	11.53	2.75	3.84	1.59	1.05	0.19	17.09	38.04
	L50JC004	5.80	2.62	2.77	1.15	0.66	0.12	8.09	21.21	11.59	2.77	3.84	1.59	0.90	0.16	17.18	38.03
	L50JC005	6.37	2.86	2.77	1.15	0.73	0.13	8.89	22.90	12.75	3.03	3.84	1.59	1.05	0.19	18.87	41.32
	L50JC006	7.69	3.44	2.77	1.15	0.66	0.12	10.72	26.55	15.39	3.64	3.84	1.59	0.90	0.16	22.76	48.28
	L50JC007	8.31	3.70	2.77	1.15	0.71	0.13	11.56	28.33	16.62	3.91	3.84	1.59	1.01	0.18	24.54	51.69
	L50JD001	4.65	2.08	2.14	0.89	0.44	0.08	6.48	16.76	9.31	2.20	2.96	1.22	0.61	0.11	13.76	30.17
	L50JD002	5.74	2.58	2.71	1.12	0.61	0.11	8.01	20.88	11.49	2.73	3.76	1.56	0.86	0.16	17.01	37.57
	L50JD005	9.71	4.34	3.47	1.44	0.94	0.17	13.52	33.59	19.41	4.59	4.80	1.99	1.33	0.24	28.70	61.06
L55																	
	L55KN001	0.92	0.23	0.00	0.52	0.00	0.00	1.48	3.15								
	L55KN002	1.88	0.46	0.00	1.06	0.00	0.00	3.03	6.43								
	L55KN003	3.83	0.94	0.00	2.01	0.00	0.00	6.17	12.95								
L60																	
	L60CA010	27.61	8.03	5.74	2.08	0.00	0.00	34.17	77.63	31.55	8.13	7.66	2.77	0.00	0.00	41.50	91.61
	L60CA011	30.45	8.85	5.74	2.08	0.00	0.00	37.69	84.81	34.80	8.97	7.66	2.77	0.00	0.00	45.77	99.97
	L60CA012	15.07	4.55	5.36	1.94	1.41	0.26	18.75	47.34	17.22	4.60	7.15	2.59	2.86	0.52	22.78	57.72
	L60CA013	18.12	5.44	6.12	2.22	1.41	0.26	22.54	56.11	20.71	5.50	8.17	2.96	2.86	0.52	27.37	68.09
	L60CA014	24.51	7.13	4.59	1.66	0.00	0.00	30.34	68.23	28.01	7.22	6.12	2.22	0.00	0.00	36.85	80.42
	L60JD001	12.55	3.82	4.63	1.68	1.85	0.34	15.64	40.51	14.34	3.87	6.18	2.24	3.88	0.71	19.00	50.22
	L60JD002	18.65	5.60	6.01	2.18	1.85	0.34	23.20	57.83	21.32	5.67	8.01	2.90	3.88	0.71	28.17	70.66
	L60JD003	12.86	3.91	4.63	1.68	1.85	0.34	16.03	41.30	14.70	3.96	6.18	2.24	3.88	0.71	19.46	51.13
	L60JD004	15.33	4.80	6.01	2.18	3.67	0.67	19.19	51.85	17.51	4.86	8.01	2.90	7.69	1.41	23.30	65.68
	L60JD006	20.90	6.34	6.51	2.36	2.77	0.51	26.04	65.43	23.89	6.42	8.68	3.14	5.80	1.06	31.62	80.61
	L60JD007	22.27	6.74	7.66	2.77	2.77	0.51	27.73	70.45	25.45	6.82	10.21	3.70	5.80	1.06	33.68	86.72
	L60JD008	30.73	8.94	6.51	2.36	0.00	0.00	38.04	86.58	35.12	9.05	8.68	3.14	0.00	0.00	46.20	102.19
	L60RN001	11.12	3.33	3.98	1.44	0.82	0.15	13.82	34.66	12.71	3.37	5.31	1.92	1.66	0.30	16.79	42.06
	L60RN002	13.29	4.05	5.05	1.83	1.60	0.29	16.56	42.67	15.18	4.10	6.74	2.44	3.26	0.60	20.12	52.44

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
L60	*cont.*																
	L60RN003	13.65	4.16	6.09	2.21	1.60	0.29	17.01	45.01	15.59	4.21	8.12	2.94	3.26	0.60	20.66	55.38
	L60RN004	16.14	5.04	8.31	3.01	2.95	0.54	20.20	56.19	18.45	5.10	11.08	4.01	5.98	1.09	24.53	70.24
	L60RN005	13.31	3.97	3.98	1.44	0.82	0.15	16.54	40.21	15.21	4.02	5.31	1.92	1.66	0.30	20.09	48.51
	L60RN006	15.23	4.51	5.05	1.83	0.72	0.13	18.90	46.37	17.40	4.57	6.74	2.44	1.46	0.27	22.95	55.83
	L60RN007	16.73	4.95	6.09	2.21	0.72	0.13	20.76	51.59	19.12	5.01	8.12	2.94	1.46	0.27	25.22	62.14
	L60RN008	16.81	5.23	8.31	3.01	2.95	0.54	21.03	57.88	19.21	5.30	11.08	4.01	5.98	1.09	25.54	72.21
M10																	
	M10MZ001	0.82	0.17	0.00	0.00	0.00	0.00	0.59	1.58								
	M10MZ002	0.90	0.18	0.00	0.00	0.00	0.00	0.64	1.72								
	M10MZ003	1.36	0.28	0.00	0.00	0.00	0.00	0.97	2.61								
	M10MZ004	0.43	0.40	0.00	0.00	0.00	0.00	0.37	1.20								
	M10MZ005	0.70	0.65	0.00	0.00	0.00	0.00	0.60	1.95								
	M10MZ006	0.79	0.73	0.00	0.00	0.00	0.00	0.68	2.20								
	M10MZ007	0.89	0.83	0.00	0.00	0.00	0.00	0.77	2.49								
	M10MZ008	1.10	1.02	0.00	0.00	0.00	0.00	0.95	3.07								
	M10MZ009	1.32	1.22	0.00	0.00	0.00	0.00	1.13	3.67								
	M10MZ010	1.88	1.05	5.36	2.63	0.00	0.00	2.00	12.92	2.31	1.06	7.15	3.51	0.00	0.00	2.63	16.66
	M10MZ011	2.49	1.39	8.04	3.95	0.00	0.00	2.65	18.52	3.07	1.40	10.72	5.27	0.00	0.00	3.49	23.95
	M10SM001	2.35	1.31	16.87	6.98	0.00	0.00	2.50	30.01	2.89	1.32	22.06	9.13	0.00	0.00	3.29	38.69
	M10SM002	2.50	1.39	22.49	9.31	0.00	0.00	2.66	38.35	3.08	1.41	29.41	12.17	0.00	0.00	3.50	49.57
	M10SM003	2.63	1.46	22.49	9.31	0.00	0.00	2.79	38.68	3.24	1.48	29.41	12.17	0.00	0.00	3.68	49.98
	M10SM004	2.88	1.60	28.11	11.63	0.00	0.00	3.05	47.27	3.54	1.62	36.76	15.21	0.00	0.00	4.03	61.16
	M10SM005	1.06	0.59	12.93	5.35	0.00	0.00	1.13	21.06	1.31	0.60	16.91	7.00	0.00	0.00	1.49	27.31
	M10SM006	1.18	0.66	12.93	5.35	0.00	0.00	1.25	21.37	1.45	0.66	16.91	7.00	0.00	0.00	1.65	27.67
	M10SM007	1.81	1.01	16.87	6.98	0.00	0.00	1.92	28.59	2.22	1.02	22.06	9.13	0.00	0.00	2.53	36.96
	M10SM008	1.97	1.10	22.49	9.31	0.00	0.00	2.10	36.97	2.43	1.11	29.41	12.17	0.00	0.00	2.77	47.89
	M10SM009	2.11	1.17	22.49	9.31	0.00	0.00	2.24	37.32	2.59	1.18	29.41	12.17	0.00	0.00	2.95	48.30
	M10SM010	2.27	1.26	22.49	9.31	0.00	0.00	2.41	37.74	2.80	1.28	29.41	12.17	0.00	0.00	3.18	48.84
	M10SM011	3.29	1.83	23.05	9.54	0.00	0.00	3.49	41.20	4.05	1.85	30.15	12.48	0.00	0.00	4.60	53.13
	M10SM012	3.65	2.03	28.11	11.63	0.00	0.00	3.87	49.29	4.49	2.05	36.76	15.21	0.00	0.00	5.11	63.62
	M10SM013	3.38	1.88	28.11	11.63	0.00	0.00	3.59	48.59	4.16	1.90	36.76	15.21	0.00	0.00	4.74	62.77
	M10SM016	2.97	1.66	23.05	9.54	0.00	0.00	3.16	40.38	3.66	1.67	30.15	12.48	0.00	0.00	4.16	52.12
P10																	
	P10IC001	11.16	3.69	6.70	2.77	0.00	0.00	17.71	42.03								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
P10	***cont.***																
	P10IC002	17.57	5.81	11.48	4.75	0.00	0.00	27.89	67.50								
	P10IC003	22.03	7.29	11.48	4.75	0.00	0.00	34.98	80.53								
	P10IC004	28.11	9.30	19.25	7.97	0.00	0.00	44.63	109.26								
	P10IC005	44.80	14.82	30.62	12.67	0.00	0.00	71.12	174.03								
	P10IC010	2.46	0.82	0.00	0.00	0.00	0.00	3.91	7.19								
	P10IC011	4.65	1.54	0.50	0.21	0.00	0.00	7.38	14.28								
	P10IC012	3.04	1.00	0.00	0.00	0.00	0.00	4.82	8.86								
	P10IC013	5.13	1.70	1.46	0.60	0.00	0.00	8.15	17.04								
P20																	
	P20IC001	5.35	1.45	0.00	1.25	0.00	0.00	10.11	18.16								
	P20IC002	12.31	3.33	0.00	1.90	0.00	0.00	23.28	40.82								
	P20IC003	11.90	3.22	0.00	2.50	0.00	0.00	22.50	40.12								
	P20IC004	12.66	3.43	0.00	3.15	0.00	0.00	23.93	43.17								
	P20MK001	6.68	1.81	0.00	1.25	0.00	0.00	12.64	22.38								
	P20MK002	2.55	0.69	0.00	0.50	0.00	0.00	4.82	8.56								
	P20MK003	3.12	0.84	0.00	1.00	0.00	0.00	5.89	10.85								
	P20MK004	3.90	1.06	0.00	1.25	0.00	0.00	7.38	13.59								
	P20MK005	6.35	1.72	0.00	1.25	0.00	0.00	12.00	21.32								
	P20MK006	6.98	1.89	0.00	2.50	0.00	0.00	13.19	24.56								
	P20MK007	7.84	2.12	0.00	2.50	0.00	0.00	14.83	27.29								
P25																	
	P25DL001	6.22	1.53	0.00	0.95	0.00	0.00	10.02	18.72								
	P25DL002	6.53	1.61	0.00	1.25	0.00	0.00	10.52	19.91								
	P25DL003	7.16	1.76	0.00	1.20	0.00	0.00	11.55	21.67								
	P25DL004	9.72	2.39	0.00	1.80	0.00	0.00	15.68	29.59								
	P25DL005	14.43	3.55	0.00	2.65	0.00	0.00	23.27	43.90								
	P25DL006	15.27	3.76	0.00	3.30	0.00	0.00	24.63	46.96								
	P25DL007	19.11	4.70	0.00	3.80	0.00	0.00	30.82	58.43								
	P25DL008	20.66	5.08	0.00	5.30	0.00	0.00	33.32	64.36								
	P25DL009	39.29	9.67	0.00	6.60	0.00	0.00	63.35	118.91								
	P25DL010	56.31	13.86	0.00	8.25	0.00	0.00	90.80	169.22								
	P25DL011	60.36	14.85	0.00	9.90	0.00	0.00	97.32	182.43								
	P25IC001	8.84	2.17	0.00	2.20	0.00	0.00	14.25	27.46								
	P25IC002	10.72	2.64	0.00	3.45	0.00	0.00	17.28	34.09								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
P25	***cont.***																
	P25IC003	17.05	4.20	0.00	4.40	0.00	0.00	27.49	53.14								
	P25IC004	19.91	4.90	0.00	5.30	0.00	0.00	32.11	62.22								
	P25IC005	25.88	6.37	0.00	6.25	0.00	0.00	41.74	80.24								
	P25IC006	30.90	7.60	0.00	7.20	0.00	0.00	49.82	95.52								
	P25MK001	8.65	2.13	0.00	2.50	0.00	0.00	13.95	27.23								
	P25MK002	9.43	2.32	0.00	2.50	0.00	0.00	15.20	29.45								
	P25MK003	13.42	3.30	0.00	4.15	0.00	0.00	21.64	42.51								
	P25VU002	9.23	2.27	0.00	2.50	0.00	0.00	14.88	28.88								
	P25VU003	9.17	2.26	0.00	2.50	0.00	0.00	14.78	28.71								
	P25VU004	9.38	2.31	0.00	2.50	0.00	0.00	15.13	29.32								
	P25VU005	12.63	3.11	0.00	2.50	0.00	0.00	20.36	38.60								
	P25VU010	13.00	3.20	0.00	0.95	0.00	0.00	20.96	38.11								
	P25VU011	13.15	3.24	0.00	1.17	0.00	0.00	21.20	38.76								
P30																	
	P30MK001	12.96	3.19	6.70	2.77	0.00	0.00	20.90	46.52								
	P30MK002	21.61	5.32	12.44	5.15	0.00	0.00	34.85	79.37								
	P30MK003	22.18	5.46	12.44	5.15	0.00	0.00	35.76	80.99								
	P30MK004	35.00	8.61	22.97	9.51	0.00	0.00	56.43	132.52								
	P30VU001	7.57	1.86	2.22	0.92	0.00	0.00	12.21	24.78								
	P30VU002	16.31	4.01	5.93	2.45	0.00	0.00	26.30	55.00								
	P30VU003	24.29	5.98	13.78	5.70	0.00	0.00	39.17	88.92								
	P30VU004	34.59	8.51	21.44	8.87	0.00	0.00	55.78	129.19								
P35																	
	P35CA006	27.79	18.60	8.77	4.54	0.00	0.00	47.83	107.53	38.90	18.87	11.69	6.05	0.00	0.00	73.33	148.84
	P35CA007	8.95	5.99	2.30	1.19	0.00	0.00	15.40	33.83	12.53	6.08	3.06	1.58	0.00	0.00	23.61	46.86
	P35CA008	16.44	11.00	4.80	2.48	0.00	0.00	28.30	63.02	23.02	11.16	6.40	3.31	0.00	0.00	43.38	87.27
	P35CA009	21.13	14.14	6.37	3.30	0.00	0.00	36.37	81.31	29.58	14.35	8.49	4.39	0.00	0.00	55.76	112.57
P40																	
	P40GV016	13.04	3.48	1.81	0.66	0.18	0.03	14.84	34.04								
	P40GV017	20.42	5.53	3.32	1.20	1.33	0.24	23.29	55.33								
	P40GV018	24.46	6.64	3.32	1.20	2.12	0.39	27.90	66.03								
	P40GV019	30.35	8.21	3.32	1.20	2.12	0.39	34.60	80.19								
	P40GV020	5.39	1.58	0.52	0.30	1.91	0.35	6.19	16.24								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
P40	***cont.***																
	P40GV021	5.81	1.69	0.56	0.32	1.91	0.35	6.68	17.32								
	P40GV022	9.31	2.49	1.81	0.66	0.13	0.02	10.60	25.02								
	P40GV023	13.36	3.62	1.81	0.66	0.55	0.10	15.23	35.33								
	P40GV024	17.71	4.72	2.56	0.93	0.13	0.02	20.15	46.22								
	P40GV025	18.59	4.95	2.56	0.93	0.13	0.02	21.16	48.34								
	P40GV026	25.31	6.79	3.32	1.20	0.55	0.10	28.83	66.10								
	P40TE001	3.62	0.98	2.08	0.86	0.18	0.03	4.13	11.88								
	P40TE002	4.61	1.25	3.37	1.39	0.18	0.03	5.25	16.08								
	P40TE003	8.01	2.17	0.97	0.35	0.37	0.07	9.14	21.08								
	P40TE004	9.40	2.59	1.33	0.48	0.71	0.13	10.73	25.37								
	P40TE005	6.15	1.68	1.99	0.72	0.37	0.07	7.02	18.00								
	P40TE006	9.77	2.67	1.99	0.72	0.65	0.12	11.15	27.07								
	P40TE007	15.85	4.29	1.99	0.72	0.65	0.12	18.07	41.69								
	P40TE008	18.18	4.91	2.29	0.83	0.65	0.12	20.72	47.70								
	P40TE009	19.82	5.34	2.29	0.83	0.65	0.12	22.59	51.64								
	P40TE010	6.95	1.87	6.33	2.29	0.22	0.04	7.92	25.62								
	P40TE011	7.58	2.07	6.33	2.29	0.39	0.07	8.65	27.38								
	P40TE012	11.49	3.10	6.33	2.29	0.39	0.07	13.09	36.76								
	P40TE013	10.50	2.84	6.33	2.29	0.39	0.07	11.97	34.39								
	P40TE014	10.70	2.89	6.33	2.29	0.39	0.07	12.20	34.87								
	P40TE015	12.15	3.28	6.33	2.29	0.39	0.07	13.85	38.36								
P45																	
	P45AF002	0.09	0.02	0.00	0.00	0.00	0.00	0.13	0.24								
	P45AF003	0.13	0.04	0.00	0.00	0.00	0.00	0.20	0.37								
	P45AF005	1.21	0.36	1.81	0.75	0.04	0.01	1.84	6.02								
	P45AF006	1.37	0.41	1.81	0.75	0.04	0.01	2.09	6.48								
	P45AF007	2.58	0.76	1.71	0.62	0.04	0.01	3.93	9.65								
	P45AF008	0.72	0.21	0.00	0.00	0.00	0.00	1.10	2.03								
	P45AF009	2.34	0.68	0.00	0.00	0.00	0.00	3.55	6.57								
	P45AF010	2.48	0.73	2.96	1.22	0.04	0.01	3.77	11.21								
	P45AF011	4.91	1.43	5.75	2.38	0.04	0.01	7.46	21.98								
	P45AL015	4.33	1.27	3.78	1.56	0.04	0.01	6.58	17.57								
	P45CG001	0.33	0.10	0.00	0.05	0.00	0.00	0.50	0.98								
	P45CG002	0.59	0.17	0.00	0.10	0.00	0.00	0.89	1.75								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
P45	***cont.***																
	P45CG003	1.60	0.47	0.00	0.15	0.00	0.00	2.44	4.66								
	P45CG006	1.79	0.53	2.63	1.09	0.03	0.01	2.72	8.80								
	P45CG007	1.72	0.50	2.63	1.09	0.00	0.00	2.61	8.55								
P50																	
	P50GR001	0.07	0.01	0.00	0.00	0.00	0.00	0.15	0.23								
	P50GR002	0.10	0.02	0.00	0.00	0.00	0.00	0.23	0.35								
	P50GR003	0.14	0.02	0.00	0.00	0.00	0.00	0.30	0.46								
	P50GR004	0.31	0.05	0.00	0.00	0.00	0.00	0.67	1.03								
	P50HO001	0.12	0.04	0.78	0.32	0.00	0.00	0.17	1.43								
	P50HO003	0.16	0.05	1.25	0.52	0.00	0.00	0.23	2.21								
	P50HO005	0.33	0.11	2.49	1.03	0.00	0.00	0.48	4.44								
	P50WC001	0.15	0.05	1.56	0.65	0.00	0.00	0.22	2.63								
	P50WC002	0.17	0.06	0.80	0.39	0.00	0.00	0.25	1.67								
	P50WC003	0.38	0.12	0.85	0.42	0.00	0.00	0.55	2.32								
	P50WC004	1.70	0.54	1.76	0.86	0.00	0.00	2.47	7.33								
	P50WC005	0.40	0.13	0.64	0.31	0.00	0.00	0.58	2.06								
P55																	
	P55GF001	1.70	0.54	1.17	0.58	0.00	0.00	2.74	6.73								
	P55GF002	2.15	0.69	1.17	0.58	0.00	0.00	3.47	8.06								
	P55GR001	0.30	0.09	0.17	0.10	0.00	0.00	0.27	0.93								
	P55GR002	0.39	0.11	0.42	0.24	0.00	0.00	0.35	1.51								
	P55GR003	1.46	0.43	2.09	1.22	0.00	0.00	1.33	6.53								
	P55GR004	1.80	0.52	5.02	2.92	0.00	0.00	1.64	11.90								
	P55WC001	0.05	0.02	0.08	0.05	0.00	0.00	0.05	0.25								
	P55WC002	0.10	0.03	0.08	0.05	0.00	0.00	0.09	0.35								
P60																	
	P60GF003	1.76	0.57	1.71	0.84	0.03	0.01	2.56	7.48								
	P60GF004	2.27	0.73	3.25	1.60	0.03	0.01	3.29	11.18								
	P60GF005	2.76	0.89	4.43	2.18	0.03	0.01	4.01	14.31								
	P60GF006	3.18	1.03	5.87	2.88	0.06	0.01	4.62	17.65								
	P60GF008	1.79	0.58	1.71	0.84	0.03	0.01	2.60	7.56								
	P60GR001	2.06	0.67	2.51	1.23	0.04	0.01	3.00	9.52								
	P60GR002	2.21	0.71	15.73	6.51	0.04	0.01	3.21	28.42								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
P60	***cont.***																
	P60HO002	0.08	0.03	0.54	0.22	0.00	0.00	0.12	0.99								
	P60HO003	0.14	0.04	1.25	0.52	0.00	0.00	0.20	2.15								
	P60WC001	0.06	0.02	0.62	0.26	0.00	0.00	0.09	1.05								
	P60WC002	0.07	0.02	0.93	0.38	0.00	0.00	0.10	1.50								
P65																	
	P65GR001	0.22	0.08	0.78	0.32	0.03	0.01	0.29	1.73								
	P65GR002	0.29	0.10	0.23	0.10	0.03	0.01	0.37	1.13								
	P65GR003	0.71	0.23	0.47	0.19	0.03	0.01	0.91	2.55								
	P65HO001	0.13	0.04	0.54	0.22	0.00	0.00	0.19	1.12								
	P65HO002	0.14	0.05	0.54	0.22	0.00	0.00	0.21	1.16								
	P65WC001	0.18	0.06	0.62	0.26	0.00	0.00	0.23	1.35								
	P65WC002	0.19	0.06	0.62	0.26	0.00	0.00	0.24	1.37								
P70																	
	P70AD001	0.14	0.05	0.31	0.13	0.00	0.00	0.19	0.82								
R10																	
	R10CA001	0.58	0.18	0.00	0.08	0.00	0.00	0.85	1.69	0.71	0.19	0.00	0.08	0.00	0.00	1.16	2.14
	R10CA003	0.58	0.18	0.00	0.08	0.00	0.00	0.85	1.69	0.71	0.19	0.00	0.08	0.00	0.00	1.16	2.14
	R10CA005	0.58	0.18	0.00	0.08	0.00	0.00	0.85	1.69	0.71	0.19	0.00	0.08	0.00	0.00	1.16	2.14
	R10CA007	1.65	0.53	0.00	0.08	0.00	0.00	2.43	4.69	2.03	0.54	0.00	0.08	0.00	0.00	3.33	5.98
	R10CA009	2.78	0.89	0.00	0.08	0.00	0.00	4.10	7.85	3.42	0.91	0.00	0.08	0.00	0.00	5.61	10.02
	R10CA011	3.06	0.98	0.00	0.10	0.00	0.00	4.51	8.65	3.77	1.00	0.00	0.10	0.00	0.00	6.18	11.05
	R10CA012	3.85	1.23	0.00	0.10	0.00	0.00	5.67	10.85	4.73	1.25	0.00	0.10	0.00	0.00	7.76	13.84
	R10CA014	3.91	1.25	0.00	0.16	0.00	0.00	5.77	11.09	4.82	1.27	0.00	0.16	0.00	0.00	7.90	14.15
	R10CA015	4.72	1.51	0.00	0.16	0.00	0.00	6.97	13.36	5.81	1.54	0.00	0.16	0.00	0.00	9.53	17.04
	R10CA017	6.79	2.17	0.00	0.21	0.00	0.00	10.01	19.18	8.35	2.21	0.00	0.21	0.00	0.00	13.70	24.47
	R10CA018	8.39	2.68	0.00	0.22	0.00	0.00	12.38	23.67	10.33	2.73	0.00	0.22	0.00	0.00	16.94	30.22
	R10CA020	7.27	2.32	0.00	0.23	0.00	0.00	10.72	20.54	8.94	2.37	0.00	0.23	0.00	0.00	14.67	26.21
	R10CA021	8.70	2.78	0.00	0.25	0.00	0.00	12.83	24.56	10.71	2.83	0.00	0.25	0.00	0.00	17.56	31.35
R15																	
	R15SO001	8.37	3.77	0.00	0.40	1.54	0.28	9.56	23.92								
	R15SO002	8.58	4.16	0.00	0.45	2.52	0.46	9.97	26.14								
	R15SO003	12.90	5.86	0.00	0.67	2.52	0.46	14.76	37.17								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
R20																	
	R20SO001	5.35	2.11	0.00	0.00	0.00	0.00	6.79	14.25								
R30																	
	R30BO003	11.87	3.58	4.80	1.49	0.89	0.16	12.47	35.26								
	R30BO004	7.49	2.32	3.80	1.18	1.01	0.18	7.90	23.88								
	R30BO005	5.54	1.98	2.38	0.74	0.00	0.00	6.62	17.26								
	R30BO006	6.88	2.46	3.80	1.18	0.00	0.00	8.21	22.53								
	R30BO007	6.56	2.34	3.33	1.03	0.00	0.00	7.84	21.10								
	R30BO008	34.83	16.27	16.98	5.27	0.00	0.00	44.19	117.54								
	R30BO009	31.50	14.71	16.08	4.99	0.00	0.00	39.96	107.24								
	R30CA003	20.47	9.56	10.46	3.25	0.00	0.00	25.98	69.72								
	R30CA006	30.85	14.41	14.98	4.65	0.00	0.00	39.14	104.03								
	R30CA009	42.26	19.74	22.50	6.98	0.00	0.00	53.62	145.10								
	R30CA010	7.20	2.15	3.33	1.03	0.43	0.08	7.55	21.77								
	R30CA011	8.80	2.61	4.99	1.55	0.39	0.07	9.22	27.63								
	R30CA012	21.34	9.97	10.46	3.25	0.00	0.00	27.08	72.10								
	R30CA013	33.39	15.60	14.98	4.65	0.00	0.00	42.37	110.99								
	R30CA014	14.11	4.25	4.99	1.55	1.18	0.22	14.82	41.12								
	R30RS001	0.87	0.31	1.80	0.56	0.00	0.00	1.04	4.58								
	R30RS002	1.11	0.40	2.77	0.86	0.00	0.00	1.32	6.46								
	R30RS003	7.13	2.12	3.57	1.11	0.34	0.06	7.47	21.80								
	R30SI002	9.83	2.91	4.33	1.34	0.39	0.07	10.30	29.17								
	R30SI003	12.21	3.61	4.52	1.40	0.39	0.07	12.78	34.98								
	R30SI004	16.07	4.78	5.14	1.60	0.75	0.14	16.85	45.33								
	R30SI005	9.80	3.50	3.57	1.11	0.00	0.00	11.70	29.68								
R40																	
	R40SO001	8.43	2.69	2.67	1.10	0.00	0.00	10.69	25.58								
	R40SO002	12.30	3.93	4.00	1.66	0.00	0.00	15.60	37.49								
R45																	
	R45BO001	4.51	1.44	1.76	0.73	0.00	0.00	7.87	16.31								
	R45BO004	4.69	1.50	1.76	0.73	0.00	0.00	8.18	16.86								
	R45BO005	5.89	1.88	2.45	1.01	0.00	0.00	10.27	21.50								
	R45BO006	11.38	3.64	3.95	1.63	0.00	0.00	19.86	40.46								
	R45BO007	13.86	4.43	6.03	2.50	0.00	0.00	24.19	51.01								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
R45	***cont.***																
	R45BO008	14.72	4.71	6.03	2.50	0.00	0.00	25.68	53.64								
	R45CA001	3.98	1.27	1.97	0.82	0.00	0.00	6.95	14.99								
	R45CA002	4.63	1.48	1.97	0.82	0.00	0.00	8.08	16.98								
	R45CA005	11.51	3.68	3.74	1.55	0.00	0.00	20.09	40.57								
	R45CA007	14.39	4.60	5.71	2.36	0.00	0.00	25.12	52.18								
	R45CA010	17.21	5.50	7.74	3.20	0.00	0.00	30.03	63.68								
	R45IN004	11.18	3.58	4.06	1.68	0.00	0.00	19.51	40.01								
	R45IN005	12.81	4.10	5.98	2.47	0.00	0.00	22.35	47.71								
	R45RS001	1.49	0.48	3.11	1.29	0.00	0.00	2.61	8.98								
	R45SI007	3.25	1.04	0.75	0.31	0.00	0.00	5.68	11.03								
	R45SI008	4.88	1.56	1.49	0.62	0.00	0.00	8.52	17.07								
	R45SI009	9.54	3.05	1.97	0.82	0.00	0.00	16.65	32.03								
	R45SI010	13.01	4.16	6.46	2.67	0.00	0.00	22.71	49.01								
R50																	
	R50BO005	4.03	1.49	1.45	0.60	0.47	0.09	6.91	15.04								
	R50BO006	7.11	2.52	2.07	0.86	0.09	0.02	12.05	24.72								
	R50BO007	10.13	3.61	2.95	1.22	0.23	0.04	17.19	35.37								
	R50BO008	13.03	4.66	7.08	2.93	0.47	0.09	22.13	50.39								
	R50BO009	19.57	6.97	6.93	2.87	0.47	0.09	33.20	70.10								
	R50BO010	4.64	1.65	1.45	0.60	0.09	0.02	7.87	16.32								
	R50BO011	7.58	2.69	2.07	0.86	0.09	0.02	12.84	26.15								
	R50BO012	11.46	4.07	2.95	1.22	0.23	0.04	19.43	39.40								
	R50BO013	14.35	5.13	7.08	2.93	0.47	0.09	24.37	54.42								
	R50CA001	7.03	2.50	2.68	1.11	0.16	0.03	11.92	25.43								
	R50CA002	8.10	2.88	2.68	1.11	0.16	0.03	13.74	28.70								
	R50CA003	8.59	3.07	4.02	1.66	0.27	0.05	14.59	32.25								
	R50CA004	10.99	3.91	4.02	1.66	0.27	0.05	18.64	39.54								
	R50CA005	9.94	3.55	4.02	1.66	0.27	0.05	16.87	36.36								
	R50CA009	12.64	4.56	5.86	2.43	0.65	0.12	21.52	47.78								
	R50CA011	15.82	5.68	5.55	2.30	0.65	0.12	26.89	57.01								
	R50CA012	14.92	5.36	5.86	2.43	0.65	0.12	25.36	54.70								
	R50IN001	7.23	2.58	2.91	1.20	0.21	0.04	12.28	26.45								
	R50SI004	11.62	4.12	3.48	1.44	0.12	0.02	19.70	40.50								
	R50SI005	17.09	6.05	3.29	1.36	0.12	0.02	28.94	56.87								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
R50	***cont.***																
	R50SI006	6.43	2.32	2.34	0.97	0.31	0.06	10.94	23.37								
	R50SI007	7.04	2.53	2.18	0.90	0.31	0.06	11.97	24.99								
	R50SI013	10.76	3.87	5.28	2.19	0.47	0.09	18.30	40.96								
	R50SI016	11.29	4.05	4.52	1.87	0.47	0.09	19.18	41.47								
	R50SI017	12.93	4.63	4.52	1.87	0.47	0.09	21.97	46.48								
	R50SI022	9.10	3.25	5.28	2.19	0.25	0.05	15.45	35.57								
	R50SI023	10.14	3.61	3.14	1.30	0.25	0.05	17.20	35.69								
	R50SI024	3.01	1.09	1.07	0.44	0.17	0.03	5.13	10.94								
	R50SI025	5.80	2.07	1.15	0.48	0.17	0.03	9.85	19.55								
	R50SI026	11.63	4.13	3.98	1.65	0.17	0.03	19.71	41.30								
	R50SI027	17.31	6.13	3.29	1.36	0.17	0.03	29.33	57.62								
R55																	
	R55AE001	0.94	0.22	0.83	3.56	0.04	0.01	1.14	6.74								
	R55AE002	1.14	0.26	0.83	5.26	0.04	0.01	1.39	8.93								
	R55AE003	1.53	0.36	0.83	6.86	0.08	0.01	1.87	11.54								
	R55AE004	1.97	0.47	0.83	7.26	0.18	0.03	2.41	13.15								
	R55AE008	0.65	0.15	0.83	0.26	0.06	0.01	0.79	2.75								
	R55AE009	0.25	0.06	0.93	0.29	0.00	0.00	0.30	1.83								
	R55AE010	0.45	0.10	1.66	0.52	0.00	0.00	0.55	3.28								
	R55GL001	0.43	0.10	0.00	0.50	0.04	0.01	0.52	1.60								
	R55GL002	1.44	0.33	0.52	0.66	0.04	0.01	1.75	4.75								
	R55GL003	1.88	0.43	0.93	1.04	0.04	0.01	2.29	6.62								
	R55GL004	2.11	0.48	0.93	1.29	0.06	0.01	2.57	7.45								
	R55GL007	1.71	0.38	1.87	0.58	0.00	0.00	2.07	6.61								
	R55GL008	0.41	0.09	0.52	0.16	0.00	0.00	0.49	1.67								
	R55GL009	0.32	0.07	0.83	0.26	0.00	0.00	0.39	1.87								
	R55GL011	0.88	0.20	1.66	0.52	0.00	0.00	1.06	4.32								
	R55GL012	1.68	0.38	0.93	1.04	0.04	0.01	2.04	6.12								
	R55GL013	0.16	0.04	0.00	0.25	0.03	0.01	0.20	0.69								
	R55GL014	0.40	0.09	0.00	0.35	0.00	0.00	0.49	1.33								
	R55GL015	1.21	0.27	0.93	0.29	0.00	0.00	1.47	4.17								
	R55GL016	0.82	0.18	0.93	0.29	0.00	0.00	1.00	3.22								
	R55GL017	0.26	0.06	0.52	0.16	0.00	0.00	0.31	1.31								
	R55GL018	0.27	0.06	0.52	0.16	0.00	0.00	0.33	1.34								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
R55	***cont.***																
	R55GL019	0.48	0.11	0.83	0.26	0.00	0.00	0.58	2.26								
S10																	
	S10CA001	15.60	7.54	6.70	3.47	4.09	0.75	19.42	57.57	18.72	7.62	8.93	4.62	6.73	1.23	24.85	72.70
	S10CA002	24.07	11.73	10.14	5.25	8.73	1.60	30.02	91.54	28.89	11.86	13.53	7.00	14.50	2.65	38.43	116.86
	S10CA003	34.82	16.83	13.97	7.23	10.01	1.83	43.34	128.03	41.78	17.01	18.63	9.64	16.64	3.05	55.48	162.23
	S10JD001	15.55	7.50	6.89	3.56	3.69	0.68	19.35	57.22	18.66	7.58	9.19	4.75	6.13	1.12	24.77	72.20
	S10JD002	23.79	11.45	10.26	5.31	6.02	1.10	29.58	87.51	28.54	11.57	13.68	7.08	9.99	1.83	37.87	110.56
S15																	
	S15CA001	21.33	14.47	13.13	5.43	10.84	1.98	23.05	90.23	30.22	14.72	16.94	7.01	17.99	3.29	35.17	125.34
	S15CA002	32.50	21.96	16.18	6.70	15.06	2.76	35.08	130.24	46.04	22.35	20.88	8.64	25.03	4.58	53.53	181.05
	S15CA003	42.10	28.37	21.36	8.84	18.05	3.30	45.42	167.44	59.64	28.87	27.56	11.41	29.96	5.48	69.31	232.23
S20																	
	S20CA001	24.68	16.65	20.60	6.93	14.37	2.63	26.64	112.50	34.97	16.94	27.04	9.10	24.96	4.57	40.64	158.22
	S20CA002	25.06	16.89	20.60	6.93	14.37	2.63	27.04	113.52	35.50	17.19	27.04	9.10	24.96	4.57	41.26	159.62
	S20CA003	41.31	27.69	25.98	8.74	19.99	3.66	44.53	171.90	58.52	28.18	34.10	11.47	34.71	6.35	67.94	241.27
	S20CA004	43.10	28.85	25.98	8.74	19.99	3.66	46.44	176.76	61.05	29.36	34.10	11.47	34.71	6.35	70.86	247.90
	S20CA005	51.45	34.21	35.27	11.86	18.29	3.35	55.36	209.79	72.88	34.82	46.29	15.56	31.77	5.81	84.47	291.60
	S20CA006	54.22	36.25	35.27	11.86	23.93	4.38	58.41	224.32	76.81	36.89	46.29	15.56	41.57	7.61	89.13	313.86
S25																	
	S25JD001	2.37	1.25	0.00	0.00	1.38	0.25	2.80	8.05	2.84	1.27	0.00	0.00	1.81	0.33	3.60	9.85
	S25JD002	2.92	1.58	0.00	0.00	2.08	0.38	3.48	10.44	3.50	1.60	0.00	0.00	2.72	0.50	4.47	12.79
	S25RI001	2.27	1.14	0.00	0.00	0.78	0.14	2.66	6.99	2.73	1.16	0.00	0.00	1.02	0.19	3.43	8.53
	S25RI002	2.68	1.34	0.00	0.00	0.78	0.14	3.14	8.08	3.22	1.35	0.00	0.00	1.02	0.19	4.03	9.81
	S25RM001	7.24	3.72	0.00	1.51	3.82	0.70	8.52	25.51	8.69	3.76	0.00	1.51	4.98	0.91	10.96	30.81
	S25RM002	8.12	4.22	0.00	1.51	4.82	0.88	9.58	29.13	9.74	4.27	0.00	1.51	6.29	1.15	12.31	35.27
	S25RM003	5.52	2.98	0.00	1.51	4.52	0.83	6.56	21.92	6.62	3.01	0.00	1.51	5.90	1.08	8.44	26.56
S30																	
	S30HW001	10.15	7.99	15.11	8.79	0.88	0.16	14.57	57.65	16.91	8.16	18.14	12.77	0.88	0.16	30.34	87.36
	S30HW002	13.73	10.81	21.16	12.31	1.29	0.24	19.71	79.25	22.88	11.04	25.39	17.87	1.29	0.24	41.05	119.76
	S30HW005	5.41	4.27	2.42	1.41	0.52	0.10	5.04	19.17	9.01	4.36	2.90	2.04	0.52	0.10	10.99	29.92
	S30HW006	9.05	7.10	6.05	3.52	0.56	0.10	8.44	34.82	15.09	7.25	7.25	5.10	0.56	0.10	18.40	53.75
	S30HW007	9.84	7.71	7.56	4.40	0.56	0.10	9.18	39.35	16.41	7.87	9.07	6.38	0.56	0.10	20.00	60.39

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
S30	***cont.***																
	S30HW008	10.29	8.05	7.56	4.40	0.56	0.10	9.59	40.55	17.15	8.22	9.07	6.38	0.56	0.10	20.90	62.38
	S30HW009	10.63	8.36	9.07	5.28	0.83	0.15	9.91	44.23	17.71	8.53	10.88	7.66	0.83	0.15	21.60	67.36
	S30HW010	12.96	10.18	12.09	7.04	0.94	0.17	12.08	55.46	21.60	10.39	14.51	10.21	0.94	0.17	26.34	84.16
	S30HW011	12.68	9.98	12.09	7.04	1.12	0.20	11.83	54.94	21.14	10.19	14.51	10.21	1.12	0.20	25.78	83.15
	S30HW012	14.99	11.79	12.09	7.04	1.29	0.24	13.98	61.42	24.99	12.04	14.51	10.21	1.29	0.24	30.48	93.76
	S30HW013	12.22	9.59	27.20	15.83	0.86	0.16	17.54	83.40	20.37	9.80	32.64	22.98	0.86	0.16	36.53	123.34
	S30HW014	9.87	3.26	0.91	0.53	0.35	0.06	11.33	26.31	12.33	3.33	1.09	0.77	0.35	0.06	17.71	35.64
	S30HW015	10.87	3.59	1.51	0.88	0.35	0.06	12.49	29.75	13.59	3.66	1.81	1.27	0.35	0.06	19.51	40.25
	S30HW016	10.27	3.39	1.21	0.70	0.35	0.06	11.80	27.78	12.84	3.46	1.45	1.02	0.35	0.06	18.44	37.62
	S30HW017	11.09	3.66	1.51	0.88	0.35	0.06	12.73	30.28	13.86	3.73	1.81	1.27	0.35	0.06	19.89	40.97
	S30HW018	13.08	4.36	2.42	1.41	0.72	0.13	15.03	37.15	16.35	4.44	2.90	2.04	0.72	0.13	23.49	50.07
	S30KB001	2.50	0.84	0.91	0.53	0.20	0.04	2.51	7.53	3.12	0.86	1.09	0.77	0.20	0.04	3.81	9.89
	S30KB002	2.72	0.92	0.91	0.53	0.28	0.05	2.74	8.15	3.40	0.94	1.09	0.77	0.28	0.05	4.16	10.69
	S30KB003	2.66	0.89	1.51	0.88	0.22	0.04	2.68	8.88	3.32	0.91	1.81	1.27	0.22	0.04	4.06	11.63
	S30KB004	3.03	1.03	1.51	0.88	0.33	0.06	3.05	9.89	3.79	1.05	1.81	1.27	0.33	0.06	4.63	12.94
	S30KB005	3.15	1.07	1.81	1.05	0.34	0.06	3.17	10.65	3.94	1.09	2.18	1.53	0.34	0.06	4.81	13.95
	S30KB006	3.69	1.25	2.42	1.41	0.37	0.07	3.71	12.92	4.61	1.27	2.90	2.04	0.37	0.07	5.63	16.89
	S30KB007	2.62	0.93	0.91	0.53	0.52	0.10	2.65	8.26	3.27	0.95	1.09	0.77	0.52	0.10	4.02	10.72
	S30KB008	3.13	1.10	0.91	0.53	0.55	0.10	3.17	9.49	3.91	1.12	1.09	0.77	0.55	0.10	4.81	12.35
	S30KB009	3.32	1.18	1.21	0.70	0.66	0.12	3.37	10.56	4.16	1.20	1.45	1.02	0.66	0.12	5.11	13.72
	S30KB010	2.76	0.99	1.51	0.88	0.62	0.11	2.79	9.66	3.45	1.01	1.81	1.27	0.62	0.11	4.24	12.51
	S30KB011	3.42	1.21	1.51	0.88	0.67	0.12	3.47	11.28	4.28	1.24	1.81	1.27	0.67	0.12	5.26	14.65
	S30KB012	4.04	1.42	1.81	1.05	0.71	0.13	4.09	13.25	5.05	1.44	2.18	1.53	0.71	0.13	6.20	17.24
	S30KB013	3.28	1.16	1.81	1.05	0.66	0.12	3.32	11.40	4.10	1.19	2.18	1.53	0.66	0.12	5.04	14.82
	S30KB014	4.09	1.43	2.42	1.41	0.72	0.13	4.14	14.34	5.11	1.46	2.90	2.04	0.72	0.13	6.28	18.64
	S30KB015	4.97	1.73	3.02	1.76	0.77	0.14	5.02	17.41	6.21	1.76	3.63	2.56	0.77	0.14	7.62	22.69
	S30KB018	7.46	2.48	1.51	0.88	0.44	0.08	7.50	20.35	9.32	2.53	1.81	1.27	0.44	0.08	11.38	26.83
	S30KB021	8.78	2.92	2.42	1.41	0.50	0.09	8.83	24.95	10.98	2.98	2.90	2.04	0.50	0.09	13.40	32.89
	S30KB024	10.33	3.44	3.63	2.11	0.57	0.10	10.39	30.57	12.92	3.51	4.35	3.06	0.57	0.10	15.77	40.28
	S30KB025	5.32	1.77	1.21	0.70	0.31	0.06	5.35	14.72	6.65	1.81	1.45	1.02	0.31	0.06	8.11	19.41
	S30KB026	6.34	2.11	1.21	0.70	0.35	0.06	6.37	17.14	7.92	2.15	1.45	1.02	0.35	0.06	9.67	22.62
	S30KB027	8.00	2.66	1.51	0.88	0.44	0.08	8.05	21.62	10.00	2.72	1.81	1.27	0.44	0.08	12.21	28.53
	S30KB028	5.52	1.84	1.81	1.05	0.36	0.07	5.56	16.21	6.91	1.88	2.18	1.53	0.36	0.07	8.43	21.36
	S30KB029	7.46	2.48	1.81	1.05	0.40	0.07	7.50	20.77	9.33	2.53	2.18	1.53	0.40	0.07	11.38	27.42
	S30KB030	9.45	3.14	2.42	1.41	0.50	0.09	9.50	26.51	11.81	3.20	2.90	2.04	0.50	0.09	14.41	34.95

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
S30	***cont.***																
	S30KB031	7.90	2.62	3.02	1.76	0.40	0.07	7.95	23.72	9.88	2.68	3.63	2.56	0.40	0.07	12.05	31.27
	S30KB032	9.52	3.16	3.02	1.76	0.45	0.08	9.57	27.56	11.91	3.22	3.63	2.56	0.45	0.08	14.53	36.38
	S30KB033	11.11	3.69	3.63	2.11	0.57	0.10	11.17	32.38	13.89	3.76	4.35	3.06	0.57	0.10	16.94	42.67
	S30KB034	3.88	1.31	0.91	0.53	0.33	0.06	3.91	10.93	4.85	1.33	1.09	0.77	0.33	0.06	5.93	14.36
	S30KB035	4.25	1.45	1.21	0.70	0.52	0.10	4.29	12.52	5.32	1.48	1.45	1.02	0.52	0.10	6.51	16.40
	S30KB036	4.17	1.40	1.21	0.70	0.37	0.07	4.19	12.11	5.21	1.43	1.45	1.02	0.37	0.07	6.36	15.91
	S30KB041	4.61	1.58	1.51	0.88	0.58	0.11	4.65	13.92	5.77	1.61	1.81	1.27	0.58	0.11	7.06	18.21
	S30KB042	5.36	1.78	1.51	0.88	0.28	0.05	5.39	15.25	6.70	1.82	1.81	1.27	0.28	0.05	8.17	20.10
	S30KB043	5.84	1.96	2.12	1.23	0.43	0.08	5.87	17.53	7.29	2.00	2.54	1.79	0.43	0.08	8.91	23.04
	S30KB044	5.84	1.96	2.12	1.23	0.43	0.08	5.87	17.53	7.29	2.00	2.54	1.79	0.43	0.08	8.91	23.04
	S30KB045	14.82	11.59	13.78	4.99	0.65	0.12	21.26	67.21	24.70	11.83	16.70	7.25	0.65	0.12	44.28	105.53
	S30KB046	14.80	11.55	12.69	7.38	0.59	0.11	25.46	72.58	24.67	11.80	15.23	10.72	0.59	0.11	56.58	119.70
	S30KB047	12.68	9.91	19.04	11.08	0.61	0.11	21.81	75.24	21.13	10.12	22.85	16.09	0.61	0.11	48.48	119.39
	S30KB048	12.36	4.07	4.84	2.82	0.40	0.07	14.19	38.75	15.45	4.15	5.80	4.08	0.40	0.07	22.17	52.12
	S30KB049	11.77	4.18	5.44	3.17	2.93	0.54	13.62	41.65	14.72	4.26	6.53	4.60	2.93	0.54	21.29	54.87
	S30KB050	16.95	5.57	15.11	8.79	0.33	0.06	19.45	66.26	21.18	5.68	18.14	12.77	0.33	0.06	30.39	88.55
	S30KB051	21.58	7.07	15.11	8.79	0.33	0.06	24.76	77.70	26.98	7.21	18.14	12.77	0.33	0.06	38.69	104.18
	S30KB052	21.65	7.08	15.11	8.79	0.22	0.04	24.84	77.73	27.06	7.22	18.14	12.77	0.22	0.04	38.81	104.26
	S30KB053	5.89	1.96	2.12	1.23	0.32	0.06	5.92	17.50	7.36	2.00	2.54	1.79	0.32	0.06	8.98	23.05
	S30KB054	5.30	1.78	1.51	0.88	0.39	0.07	5.34	15.27	6.63	1.82	1.81	1.27	0.39	0.07	8.10	20.09
	S30KB055	10.44	8.18	6.89	2.49	0.56	0.10	9.73	38.39	17.41	8.35	8.35	3.63	0.56	0.10	21.22	59.62
	S30KB056	10.76	8.42	6.89	2.49	0.56	0.10	10.03	39.25	17.94	8.60	8.35	3.63	0.56	0.10	21.87	61.05
	S30KB057	12.21	9.55	8.54	3.09	0.56	0.10	11.38	45.43	20.35	9.75	10.35	4.50	0.56	0.10	24.81	70.42
	S30KB058	10.58	8.27	15.11	8.79	0.57	0.10	9.86	53.28	17.63	8.44	18.14	12.77	0.57	0.10	21.48	79.13
	S30KB059	16.57	12.95	18.14	10.56	0.78	0.14	15.44	74.58	27.61	13.22	21.76	15.32	0.78	0.14	33.65	112.48
	S30PU001	18.98	6.29	8.23	2.98	0.90	0.16	19.08	56.62	23.73	6.41	9.98	4.33	0.90	0.16	28.95	74.46
	S30PU002	27.92	9.26	13.40	4.85	1.50	0.27	28.07	85.27	34.90	9.45	16.24	7.05	1.50	0.27	42.58	111.99
	S30PU003	42.50	14.04	13.40	4.85	1.77	0.32	42.70	119.58	53.12	14.32	16.24	7.05	1.77	0.32	64.79	157.61
	S30RA001	4.03	1.32	0.92	0.33	0.07	0.01	4.62	11.30	5.03	1.35	1.11	0.48	0.07	0.01	7.22	15.27
	S30RA002	5.97	1.95	0.96	0.35	0.07	0.01	6.85	16.16	7.46	1.99	1.16	0.50	0.07	0.01	10.70	21.89
	S30RA003	9.23	3.03	1.88	0.68	0.14	0.03	10.59	25.58	11.54	3.09	2.27	0.99	0.14	0.03	16.55	34.61
	S30RA004	11.98	3.92	1.88	0.68	0.14	0.03	13.75	32.38	14.98	4.00	2.27	0.99	0.14	0.03	21.48	43.89
	S30TS001	3.22	1.09	0.60	0.35	0.29	0.05	3.24	8.84	4.03	1.11	0.73	0.51	0.29	0.05	4.92	11.64
	S30TS002	3.58	1.21	0.91	0.53	0.36	0.07	3.61	10.27	4.48	1.24	1.09	0.77	0.36	0.07	5.47	13.48
	S30TS003	3.38	1.14	0.60	0.35	0.34	0.06	3.41	9.28	4.23	1.17	0.73	0.51	0.34	0.06	5.17	12.21

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
S30	***cont.***																
	S30TS004	3.80	1.29	1.21	0.70	0.42	0.08	3.83	11.33	4.75	1.32	1.45	1.02	0.42	0.08	5.81	14.85
	S30TS005	3.59	1.22	1.21	0.70	0.38	0.07	3.61	10.78	4.48	1.24	1.45	1.02	0.38	0.07	5.48	14.12
	S30TS006	4.08	1.39	1.21	0.70	0.48	0.09	4.11	12.06	5.10	1.42	1.45	1.02	0.48	0.09	6.24	15.80
	S30TS007	3.63	1.23	1.21	0.70	0.42	0.08	3.66	10.93	4.54	1.26	1.45	1.02	0.42	0.08	5.55	14.32
	S30TS008	4.20	1.43	1.51	0.88	0.54	0.10	4.23	12.89	5.25	1.46	1.81	1.27	0.54	0.10	6.42	16.85
	S30TS009	9.16	7.10	18.14	13.56	0.00	0.00	13.13	61.09	15.27	7.25	21.76	18.32	0.00	0.00	27.35	89.95
	S30TS010	13.56	10.51	24.18	18.07	0.00	0.00	19.44	85.76	22.60	10.73	29.02	24.43	0.00	0.00	40.48	127.26
	S30TS011	22.79	17.66	48.36	36.14	0.00	0.00	32.66	157.61	37.98	18.04	58.03	48.85	0.00	0.00	68.03	230.93
S35																	
	S35AR001	0.30	0.09	0.00	0.00	0.00	0.00	0.38	0.77								
	S35AR002	0.45	0.14	0.00	0.00	0.00	0.00	0.58	1.17								
S40																	
	S40BO002	39.47	9.75	15.03	5.44	0.47	0.09	55.36	125.61	47.36	9.96	19.63	7.11	0.74	0.14	74.25	159.19
	S40BO003	40.18	9.93	15.03	5.44	0.47	0.09	56.35	127.49	48.22	10.14	19.63	7.11	0.74	0.14	75.59	161.57
	S40BO004	38.24	9.45	15.03	5.44	0.47	0.09	53.64	122.36	45.89	9.65	19.63	7.11	0.74	0.14	71.94	155.10
	S40CA001	40.67	10.05	13.99	5.07	0.47	0.09	57.04	127.38	48.80	10.26	18.26	6.61	0.74	0.14	76.50	161.31
	S40CA002	36.59	9.16	13.99	5.07	1.29	0.24	51.46	117.80	43.91	9.35	18.26	6.61	2.04	0.37	69.02	149.56
S45																	
	S45DA004	2.03	0.50	0.00	0.25	0.00	0.00	3.28	6.06								
	S45DA005	2.11	0.52	0.00	0.25	0.00	0.00	3.39	6.27								
	S45DA006	2.06	0.51	0.00	0.25	0.00	0.00	3.32	6.14								
	S45DA007	2.13	0.52	0.00	0.25	0.00	0.00	3.43	6.33								
T10																	
	T10CA001	0.95	0.37	0.00	0.08	0.00	0.00	1.24	2.64	1.18	0.38	0.00	0.08	0.00	0.00	1.75	3.39
	T10CA002	1.41	0.56	0.00	0.08	0.00	0.00	1.86	3.91	1.77	0.57	0.00	0.08	0.00	0.00	2.61	5.03
	T10CA004	1.05	0.41	0.00	0.08	0.00	0.00	1.37	2.91	1.31	0.42	0.00	0.08	0.00	0.00	1.93	3.74
	T10CA005	1.41	0.56	0.00	0.08	0.00	0.00	1.86	3.91	1.77	0.57	0.00	0.08	0.00	0.00	2.61	5.03
	T10CA007	1.22	0.48	0.00	0.08	0.00	0.00	1.60	3.38	1.52	0.49	0.00	0.08	0.00	0.00	2.24	4.33
	T10CA008	1.41	0.56	0.00	0.08	0.00	0.00	1.86	3.91	1.77	0.57	0.00	0.08	0.00	0.00	2.61	5.03
	T10CA009	1.94	0.76	0.00	0.08	0.00	0.00	2.54	5.32	2.42	0.77	0.00	0.08	0.00	0.00	3.57	6.84
	T10CA010	1.82	0.72	0.00	0.08	0.00	0.00	2.38	5.00	2.27	0.73	0.00	0.08	0.00	0.00	3.35	6.43
	T10CA011	2.19	0.86	0.00	0.08	0.00	0.00	2.88	6.01	2.74	0.88	0.00	0.08	0.00	0.00	4.04	7.74
	T10CA012	2.96	1.17	0.00	0.08	0.00	0.00	3.89	8.10	3.71	1.18	0.00	0.08	0.00	0.00	5.47	10.44

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T10	*cont.*																
	T10CA013	3.26	1.28	0.00	0.08	0.00	0.00	4.27	8.89	4.07	1.30	0.00	0.08	0.00	0.00	6.00	11.45
	T10CA014	2.71	1.07	0.00	0.08	0.00	0.00	3.56	7.42	3.39	1.08	0.00	0.08	0.00	0.00	5.00	9.55
	T10CA015	2.81	1.11	0.00	0.10	0.00	0.00	3.69	7.71	3.52	1.12	0.00	0.10	0.00	0.00	5.19	9.93
	T10CA016	3.57	1.40	0.00	0.12	0.00	0.00	4.68	9.77	4.46	1.43	0.00	0.12	0.00	0.00	6.58	12.59
	T10CA017	3.87	1.52	0.00	0.13	0.00	0.00	5.07	10.59	4.83	1.55	0.00	0.13	0.00	0.00	7.13	13.64
	T10CA018	3.43	1.35	0.00	0.13	0.00	0.00	4.50	9.41	4.29	1.37	0.00	0.13	0.00	0.00	6.32	12.11
	T10CA019	0.10	0.04	0.00	0.05	0.00	0.00	0.13	0.32	0.12	0.04	0.00	0.05	0.00	0.00	0.18	0.39
	T10CA020	2.87	1.13	0.00	0.15	0.00	0.00	3.76	7.91	3.59	1.15	0.00	0.15	0.00	0.00	5.29	10.18
	T10CA021	5.25	2.07	0.00	0.19	0.00	0.00	6.88	14.39	6.56	2.10	0.00	0.19	0.00	0.00	9.68	18.53
	T10CA022	5.70	2.24	0.00	0.19	0.00	0.00	7.47	15.60	7.12	2.28	0.00	0.19	0.00	0.00	10.50	20.09
	T10CA023	3.59	1.41	0.00	0.20	0.00	0.00	4.70	9.90	4.48	1.43	0.00	0.20	0.00	0.00	6.61	12.72
	T10CA024	7.29	2.87	0.00	0.28	0.00	0.00	9.56	20.00	9.12	2.92	0.00	0.28	0.00	0.00	13.45	25.77
	T10CA025	7.89	3.10	0.00	0.29	0.00	0.00	10.34	21.62	9.86	3.15	0.00	0.29	0.00	0.00	14.54	27.84
	T10CA026	11.19	4.40	0.00	0.40	0.00	0.00	14.67	30.66	13.99	4.47	0.00	0.40	0.00	0.00	20.63	39.49
	T10CA027	12.08	4.75	0.00	0.42	0.00	0.00	15.84	33.09	15.10	4.83	0.00	0.42	0.00	0.00	22.27	42.62
	T10JD001	0.80	0.33	0.00	0.00	0.06	0.01	1.06	2.26	1.00	0.33	0.00	0.00	0.06	0.01	1.49	2.89
	T10LE001	0.56	0.22	0.00	0.00	0.00	0.00	0.73	1.51	0.70	0.22	0.00	0.00	0.00	0.00	1.03	1.95
	T10LE002	0.63	0.25	0.00	0.00	0.00	0.00	0.83	1.71	0.79	0.25	0.00	0.00	0.00	0.00	1.17	2.21
	T10LE003	0.69	0.27	0.00	0.00	0.00	0.00	0.90	1.86	0.86	0.27	0.00	0.00	0.00	0.00	1.26	2.39
	T10LE004	1.17	0.46	0.00	0.00	0.00	0.00	1.53	3.16	1.46	0.47	0.00	0.00	0.00	0.00	2.15	4.08
	T10LE005	1.30	0.51	0.00	0.00	0.00	0.00	1.71	3.52	1.63	0.52	0.00	0.00	0.00	0.00	2.40	4.55
T15																	
	T15CA002	5.13	2.93	2.92	1.36	0.00	0.00	11.54	23.88	6.16	2.96	3.82	1.78	0.00	0.00	15.00	29.72
	T15CA005	6.01	3.43	3.34	1.55	0.00	0.00	13.50	27.83	7.21	3.46	4.36	2.03	0.00	0.00	17.55	34.61
	T15CA008	10.81	6.18	5.85	2.72	0.00	0.00	24.30	49.86	12.97	6.23	7.63	3.55	0.00	0.00	31.59	61.97
	T15CA009	16.19	9.25	6.89	3.21	0.00	0.00	36.40	71.94	19.42	9.33	9.00	4.19	0.00	0.00	47.31	89.25
	T15CA011	14.29	8.17	7.73	3.60	0.00	0.00	32.14	65.93	17.15	8.24	10.09	4.70	0.00	0.00	41.78	81.96
	T15CA012	12.64	10.66	9.60	3.48	0.00	0.00	22.12	58.50	15.80	10.73	12.54	4.54	0.00	0.00	30.41	74.02
	T15CA014	14.91	12.58	10.02	3.63	0.00	0.00	26.08	67.22	18.64	12.65	13.08	4.74	0.00	0.00	35.86	84.97
	T15CA016	15.21	12.83	12.74	4.61	0.00	0.00	26.61	72.00	19.01	12.91	16.63	6.02	0.00	0.00	36.58	91.15
	T15CA017	20.91	17.63	16.91	6.12	0.00	0.00	36.57	98.14	26.13	17.74	22.08	8.00	0.00	0.00	50.28	124.23
	T15CA018	23.88	21.68	20.50	6.36	0.00	0.00	43.08	115.50	30.17	21.85	26.45	8.21	0.00	0.00	59.35	146.03
	T15CA019	42.88	38.93	30.57	9.49	0.00	0.00	77.35	199.22	54.17	39.24	39.44	12.24	0.00	0.00	106.58	251.67
	T15CA020	5.31	3.04	3.34	1.55	0.00	0.00	11.95	25.19	6.38	3.06	4.36	2.03	0.00	0.00	15.53	31.36

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T15	***cont.***																
	T15CA021	6.10	3.49	3.76	1.75	0.00	0.00	13.72	28.82	7.32	3.52	4.91	2.29	0.00	0.00	17.83	35.87
	T15CA022	6.64	3.80	3.76	1.75	0.00	0.00	14.93	30.88	7.97	3.83	4.91	2.29	0.00	0.00	19.41	38.41
	T15CA023	12.08	6.90	6.89	3.21	0.00	0.00	27.15	56.23	14.49	6.96	9.00	4.19	0.00	0.00	35.30	69.94
	T15CA024	8.42	4.81	4.18	1.95	0.00	0.00	18.93	38.29	10.10	4.86	5.45	2.54	0.00	0.00	24.61	47.56
	T15CS004	5.18	2.96	2.80	1.30	0.00	0.00	11.66	23.90	6.22	2.99	3.65	1.70	0.00	0.00	15.15	29.71
	T15CS005	5.98	3.42	3.34	1.55	0.00	0.00	13.44	27.73	7.17	3.45	4.36	2.03	0.00	0.00	17.47	34.48
	T15CS006	6.82	3.90	3.72	1.73	0.00	0.00	15.34	31.51	8.19	3.93	4.85	2.26	0.00	0.00	19.94	39.17
	T15CS007	9.02	5.16	4.93	2.30	0.00	0.00	20.29	41.70	10.83	5.20	6.43	2.99	0.00	0.00	26.37	51.82
	T15JD005	4.37	2.50	2.92	1.36	0.00	0.00	9.82	20.97	5.24	2.52	3.82	1.78	0.00	0.00	12.77	26.13
	T15JD006	5.26	3.01	3.09	1.44	0.00	0.00	11.84	24.64	6.32	3.04	4.03	1.88	0.00	0.00	15.39	30.66
	T15JD007	5.88	3.36	3.76	1.75	0.00	0.00	13.23	27.98	7.06	3.39	4.91	2.29	0.00	0.00	17.19	34.84
	T15JD008	10.37	5.93	5.85	2.72	0.00	0.00	23.31	48.18	12.44	5.98	7.63	3.55	0.00	0.00	30.30	59.90
	T15JD009	11.10	6.34	5.85	2.72	0.00	0.00	24.96	50.97	13.32	6.40	7.63	3.55	0.00	0.00	32.44	63.34
	T15JD010	12.49	7.14	7.73	3.60	0.00	0.00	28.09	59.05	14.99	7.21	10.09	4.70	0.00	0.00	36.52	73.51
	T15JD011	15.31	8.75	7.73	3.60	0.00	0.00	34.42	69.81	18.37	8.83	10.09	4.70	0.00	0.00	44.75	86.74
	T15KM001	5.30	3.03	2.92	1.36	0.00	0.00	11.91	24.52	6.36	3.06	3.82	1.78	0.00	0.00	15.49	30.51
	T15KM002	5.82	3.33	3.13	1.46	0.00	0.00	13.10	26.84	6.99	3.36	4.09	1.90	0.00	0.00	17.02	33.36
	T15KM003	10.46	5.98	5.43	2.53	0.00	0.00	23.53	47.93	12.56	6.03	7.09	3.30	0.00	0.00	30.59	59.57
	T15KM007	19.75	11.29	9.40	4.38	0.00	0.00	44.42	89.24	23.71	11.39	12.27	5.71	0.00	0.00	57.74	110.82
	T15KM008	15.64	13.19	12.95	4.69	0.00	0.00	27.35	73.82	19.55	13.27	16.90	6.12	0.00	0.00	37.60	93.44
	T15KM011	48.18	43.73	30.93	9.60	0.00	0.00	86.91	219.35	60.86	44.09	39.90	12.38	0.00	0.00	119.74	276.97
	T15KM012	23.27	19.62	16.91	6.12	0.00	0.00	40.70	106.62	29.08	19.75	22.08	8.00	0.00	0.00	55.95	134.86
	T15KM013	15.08	8.62	7.93	3.69	0.00	0.00	33.90	69.22	18.09	8.69	10.36	4.82	0.00	0.00	44.06	86.02
	T15KM014	29.03	26.35	18.88	5.86	0.00	0.00	52.36	132.48	36.67	26.56	24.36	7.56	0.00	0.00	72.14	167.29
T20																	
	T20CA001	19.51	8.49	7.91	2.86	3.90	0.71	18.19	61.57	29.27	8.74	10.21	3.70	8.16	1.49	29.56	91.13
	T20CA002	28.60	12.55	11.33	4.10	7.37	1.35	26.69	91.99	42.91	12.92	14.62	5.29	15.45	2.83	43.39	137.41
	T20CA003	42.19	18.63	16.18	5.86	8.25	1.51	39.41	132.03	63.28	19.18	20.88	7.56	17.30	3.17	64.06	195.43
T25																	
	T25CA006	14.39	5.14	10.22	3.70	0.00	0.00	15.59	49.04								
	T25CA007	15.78	5.64	11.18	4.05	0.00	0.00	17.10	53.75								
	T25CA008	17.08	6.10	13.51	4.89	0.00	0.00	18.51	60.09								
	T25JD008	5.80	1.74	4.02	1.46	0.50	0.09	6.32	19.93								
	T25JD009	5.84	1.75	5.17	1.87	0.50	0.09	6.35	21.57								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T25	*cont.*																
	T25JD010	9.22	2.80	6.32	2.29	1.09	0.20	10.06	31.98								
	T25JD012	12.24	4.08	11.87	4.30	4.44	0.81	13.55	51.29								
	T25JD013	16.25	5.25	16.27	5.89	4.44	0.81	17.90	66.81								
	T25JD014	12.70	3.81	7.85	2.84	1.09	0.20	13.83	42.32								
T30																	
	T30CS003	2.48	0.81	1.30	0.47	0.07	0.01	3.70	8.84	3.31	0.83	1.74	0.63	0.10	0.02	5.48	12.11
	T30CS004	2.66	0.90	1.15	0.42	0.31	0.06	3.99	9.49	3.54	0.92	1.53	0.55	0.44	0.08	5.92	12.98
	T30CS005	3.33	1.12	1.30	0.47	0.31	0.06	4.99	11.58	4.44	1.14	1.74	0.63	0.44	0.08	7.40	15.87
	T30CS006	4.85	1.60	1.76	0.64	0.31	0.06	7.25	16.47	6.47	1.64	2.35	0.85	0.43	0.08	10.74	22.56
	T30CS007	5.27	1.73	2.14	0.77	0.31	0.06	7.87	18.15	7.03	1.78	2.86	1.04	0.43	0.08	11.66	24.88
	T30CS008	8.95	2.94	3.02	1.09	0.46	0.08	13.36	29.90	11.93	3.01	4.03	1.46	0.66	0.12	19.79	41.00
	T30DW005	3.15	1.06	1.68	0.61	0.31	0.06	4.72	11.59	4.19	1.08	2.25	0.81	0.44	0.08	6.99	15.84
	T30DW010	11.99	4.00	4.06	1.47	1.63	0.30	17.97	41.42	15.99	4.11	5.41	1.96	2.32	0.42	26.62	56.83
	T30DW011	14.79	4.73	4.06	1.47	0.00	0.00	21.97	47.02	19.72	4.85	5.41	1.96	0.00	0.00	32.54	64.48
	T30DW012	0.85	0.28	1.46	0.53	0.03	0.01	1.26	4.42	1.13	0.28	1.91	0.69	0.04	0.01	1.87	5.93
	T30DW013	1.25	0.41	2.02	0.73	0.08	0.01	1.87	6.37	1.67	0.42	2.65	0.96	0.11	0.02	2.77	8.60
	T30DW014	2.92	0.98	1.34	0.49	0.31	0.06	4.38	10.48	3.89	1.01	1.79	0.65	0.43	0.08	6.49	14.34
	T30DW015	4.29	1.42	1.99	0.72	0.31	0.06	6.42	15.21	5.72	1.46	2.65	0.96	0.43	0.08	9.51	20.81
	T30DW016	4.80	1.57	2.03	0.74	0.23	0.04	7.17	16.58	6.41	1.61	2.71	0.98	0.32	0.06	10.62	22.71
	T30DW017	5.50	1.81	2.83	1.02	0.31	0.06	8.22	19.75	7.34	1.86	3.78	1.37	0.43	0.08	12.18	27.04
	T30DW018	6.95	2.27	2.99	1.08	0.31	0.06	10.36	24.02	9.26	2.33	3.98	1.44	0.43	0.08	15.35	32.87
	T30TM001	25.66	8.21	7.08	2.56	0.00	0.00	38.11	81.62	34.22	8.42	9.44	3.42	0.00	0.00	56.46	111.96
	T30TM002	26.09	8.34	7.08	2.56	0.00	0.00	38.74	82.81	34.78	8.56	9.44	3.42	0.00	0.00	57.39	113.59
	T30TM003	27.93	8.93	7.08	2.56	0.00	0.00	41.47	87.97	37.24	9.16	9.44	3.42	0.00	0.00	61.44	120.70
	T30TM004	27.71	8.86	7.08	2.56	0.00	0.00	41.15	87.36	36.95	9.09	9.44	3.42	0.00	0.00	60.96	119.86
	T30TM005	29.10	9.31	7.08	2.56	0.00	0.00	43.22	91.27	38.81	9.55	9.44	3.42	0.00	0.00	64.03	125.25
	T30TM006	31.25	9.99	7.08	2.56	0.00	0.00	46.41	97.29	41.67	10.25	9.44	3.42	0.00	0.00	68.75	133.53
	T30TM007	34.92	11.17	9.19	3.33	0.00	0.00	51.86	110.47	46.57	11.46	12.25	4.44	0.00	0.00	76.83	151.55
	T30TM008	36.28	11.60	9.19	3.33	0.00	0.00	53.87	114.27	48.37	11.90	12.25	4.44	0.00	0.00	79.81	156.77
	T30TM009	36.20	11.57	10.34	3.74	0.00	0.00	53.75	115.60	48.26	11.88	13.78	4.99	0.00	0.00	79.63	158.54
	T30TM010	40.44	12.93	10.34	3.74	0.00	0.00	60.06	127.51	53.93	13.27	13.78	4.99	0.00	0.00	88.98	174.95
	T30TM012	47.68	15.24	13.40	4.85	0.00	0.00	70.81	151.98	63.57	15.64	17.86	6.47	0.00	0.00	104.90	208.44
	T30TM013	74.53	23.83	15.39	5.57	0.00	0.00	110.68	230.00	99.38	24.45	20.52	7.43	0.00	0.00	163.97	315.75
	T30TM014	73.01	23.34	19.25	6.97	0.00	0.00	108.42	230.99	97.34	23.95	25.67	9.30	0.00	0.00	160.62	316.88

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T30	***cont.***																
	T30TM015	77.18	24.68	19.25	6.97	0.00	0.00	114.61	242.69	102.91	25.32	25.67	9.30	0.00	0.00	169.79	332.99
	T30VE007	12.64	4.04	3.25	1.18	0.00	0.00	18.77	39.88	16.85	4.15	4.34	1.57	0.00	0.00	27.80	54.71
	T30VE008	21.30	6.81	5.36	1.94	0.00	0.00	31.63	67.04	28.40	6.99	7.15	2.59	0.00	0.00	46.86	91.99
	T30VE009	31.32	10.02	6.89	2.49	0.00	0.00	46.52	97.24	41.76	10.28	9.19	3.33	0.00	0.00	68.91	133.47
	T30VE010	39.66	12.68	8.80	3.19	0.00	0.00	58.89	123.22	52.88	13.01	11.74	4.25	0.00	0.00	87.25	169.13
T35																	
	T35CT001	19.43	6.21	5.36	1.94	0.00	0.00	28.86	61.80	25.91	6.38	7.15	2.59	0.00	0.00	42.75	84.78
	T35CT002	22.53	7.20	5.36	1.94	0.00	0.00	33.45	70.48	30.04	7.39	7.15	2.59	0.00	0.00	49.56	96.73
	T35CT003	25.31	8.09	7.08	2.56	0.00	0.00	37.58	80.62	33.74	8.30	9.44	3.42	0.00	0.00	55.68	110.58
	T35CT004	23.84	7.62	3.90	1.41	0.00	0.00	35.40	72.17	31.79	7.82	5.21	1.89	0.00	0.00	52.45	99.16
	T35CT005	23.69	7.58	3.90	1.41	0.00	0.00	35.18	71.76	31.59	7.77	5.21	1.89	0.00	0.00	52.12	98.58
	T35CT006	22.55	7.21	3.90	1.41	0.00	0.00	33.48	68.55	30.06	7.40	5.21	1.89	0.00	0.00	49.60	94.16
	T35CT007	24.97	7.98	3.90	1.41	0.00	0.00	37.08	75.34	33.29	8.19	5.21	1.89	0.00	0.00	54.93	103.51
	T35CT008	31.75	10.15	5.74	2.08	0.00	0.00	47.14	96.86	42.33	10.41	7.66	2.77	0.00	0.00	69.84	133.01
	T35CT009	37.19	11.89	5.74	2.08	0.00	0.00	55.23	112.13	49.59	12.20	7.66	2.77	0.00	0.00	81.83	154.05
	T35CT010	37.05	11.84	5.74	2.08	0.00	0.00	55.01	111.72	49.40	12.15	7.66	2.77	0.00	0.00	81.50	153.48
	T35CT011	43.97	14.06	6.70	2.43	0.00	0.00	65.30	132.46	58.63	14.43	8.93	3.23	0.00	0.00	96.74	181.96
T40																	
	T40AH001	2.02	0.64	0.00	0.25	0.00	0.00	2.60	5.51								
	T40AH002	2.47	0.79	0.00	0.25	0.00	0.00	3.19	6.70								
	T40AH003	3.50	1.12	0.00	0.25	0.00	0.00	4.52	9.39								
	T40AH004	3.90	1.25	0.00	0.25	0.00	0.00	5.03	10.43								
	T40BD001	9.18	2.95	4.29	1.78	0.14	0.03	10.38	28.75								
	T40GN001	1.18	0.31	0.00	0.00	0.00	0.00	1.18	2.67	1.45	0.32	0.00	0.00	0.00	0.00	1.66	3.43
	T40KF011	0.33	0.10	0.00	0.00	0.00	0.00	0.32	0.75								
	T40KF013	0.35	0.11	0.00	0.00	0.00	0.00	0.34	0.80								
	T40KF014	0.38	0.12	0.00	0.00	0.00	0.00	0.37	0.87								
	T40KF016	0.45	0.14	0.00	0.00	0.00	0.00	0.44	1.03								
	T40KF018	0.54	0.17	0.00	0.00	0.00	0.00	0.52	1.23								
	T40KF020	0.63	0.20	0.00	0.00	0.00	0.00	0.61	1.44								
	T40KF021	0.27	0.09	0.00	0.00	0.00	0.00	0.31	0.67								
	T40KF022	0.52	0.16	0.00	0.00	0.00	0.00	0.58	1.26								
	T40KF023	0.34	0.11	0.00	0.05	0.00	0.00	0.39	0.89								
	T40KF024	0.40	0.13	0.00	0.05	0.00	0.00	0.45	1.03								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T40	***cont.***																
	T40LN003	3.78	1.12	0.00	0.50	0.14	0.03	4.03	9.60								
	T40LN004	2.55	0.74	0.00	0.50	0.00	0.00	2.71	6.50								
	T40LN005	2.60	0.76	0.00	0.50	0.00	0.00	2.77	6.63								
	T40LN006	2.66	0.77	0.00	0.50	0.00	0.00	2.82	6.75								
	T40LN007	2.75	0.80	0.00	0.50	0.00	0.00	2.93	6.98								
	T40LN008	2.85	0.83	0.00	0.50	0.00	0.00	3.03	7.21								
	T40LN009	2.90	0.84	0.00	0.50	0.00	0.00	3.08	7.32								
	T40LN010	2.90	0.84	0.00	0.50	0.00	0.00	3.08	7.32								
	T40LN011	2.96	0.86	0.00	0.50	0.00	0.00	3.15	7.47								
	T40MY001	0.60	0.16	0.00	0.00	0.00	0.00	0.60	1.36	0.74	0.16	0.00	0.00	0.00	0.00	0.85	1.75
	T40MY002	0.65	0.17	0.00	0.00	0.00	0.00	0.66	1.48	0.80	0.18	0.00	0.00	0.00	0.00	0.92	1.90
	T40MY003	0.73	0.19	0.00	0.00	0.00	0.00	0.74	1.66	0.90	0.20	0.00	0.00	0.00	0.00	1.04	2.14
	T40MY004	0.80	0.21	0.00	0.00	0.00	0.00	0.80	1.81	0.98	0.22	0.00	0.00	0.00	0.00	1.13	2.33
	T40MY005	0.90	0.24	0.00	0.00	0.00	0.00	0.90	2.04	1.11	0.24	0.00	0.00	0.00	0.00	1.27	2.62
	T40PA001	0.83	0.27	0.00	0.24	0.00	0.00	1.07	2.41								
	T40PA002	2.55	0.82	0.00	0.24	0.00	0.00	3.29	6.90								
	T40PA003	3.63	1.16	0.00	0.26	0.00	0.00	4.68	9.73								
	T40PA004	5.49	1.75	0.00	0.26	0.00	0.00	7.08	14.58								
	T40PA005	8.48	2.71	0.00	0.27	0.00	0.00	10.93	22.39								
	T40PA006	8.04	2.57	0.00	0.27	0.00	0.00	10.37	21.25								
	T40RS001	1.73	0.61	0.00	0.00	0.00	0.00	1.78	4.12								
	T40RS002	2.01	0.71	0.00	0.00	0.00	0.00	2.07	4.79								
	T40RS003	2.22	0.78	0.00	0.00	0.00	0.00	2.29	5.29								
	T40WL001	11.66	3.73	5.36	2.22	0.00	0.00	13.16	36.13								
T45																	
	T45EA002	0.39	0.15	0.00	0.00	0.23	0.04	0.28	1.09								
	T45EA003	0.74	0.31	0.00	0.00	0.58	0.11	0.55	2.29								
	T45EA004	1.03	0.41	0.00	0.00	0.58	0.11	0.76	2.89								
	T45EA005	1.28	0.59	0.00	0.00	1.41	0.26	0.96	4.50								
	T45EA006	2.27	0.90	0.00	0.00	1.30	0.24	1.66	6.37								
	T45EA007	3.63	1.42	0.00	0.00	1.95	0.36	2.66	10.02								
	T45FH001	2.24	0.80	0.00	0.00	0.56	0.10	2.11	5.81	2.80	0.82	0.00	0.00	0.68	0.12	3.04	7.46
	T45FH002	1.56	0.57	0.00	0.00	0.52	0.10	1.13	3.88								
	T45FH003	1.59	0.58	0.00	0.00	0.52	0.10	1.16	3.95								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T45	***cont.***																
	T45HA001	2.84	1.02	0.00	0.50	0.10	0.02	3.43	7.91								
	T45HA002	3.43	1.23	0.00	0.60	0.10	0.02	4.15	9.53								
	T45HA003	4.57	1.64	0.00	0.70	0.16	0.03	5.52	12.62								
	T45MY001	1.89	0.73	0.00	0.30	0.94	0.17	1.93	5.96	2.36	0.75	0.00	0.30	1.13	0.21	2.76	7.51
	T45MY002	1.93	0.75	0.00	0.30	0.94	0.17	1.97	6.06	2.42	0.76	0.00	0.30	1.13	0.21	2.82	7.64
	T45MY003	2.23	0.84	0.00	0.30	0.94	0.17	2.27	6.75	2.79	0.86	0.00	0.30	1.13	0.21	3.25	8.54
	T45MY004	2.34	0.88	0.00	0.30	0.94	0.17	2.39	7.02	2.93	0.90	0.00	0.30	1.13	0.21	3.41	8.88
	T45MY005	2.30	0.92	0.00	0.30	1.41	0.26	2.36	7.55	2.88	0.94	0.00	0.30	1.70	0.31	3.38	9.51
	T45MY006	2.37	0.95	0.00	0.30	1.41	0.26	2.43	7.72	2.96	0.97	0.00	0.30	1.70	0.31	3.47	9.71
	T45MY007	2.48	0.98	0.00	0.30	1.41	0.26	2.54	7.97	3.10	1.00	0.00	0.30	1.70	0.31	3.63	10.04
	T45MY008	1.68	0.66	0.00	0.30	0.94	0.17	1.72	5.47	2.10	0.68	0.00	0.30	1.13	0.21	2.46	6.88
	T45MY009	1.72	0.68	0.00	0.30	0.94	0.17	1.77	5.58	2.15	0.69	0.00	0.30	1.13	0.21	2.52	7.00
	T45MY010	1.94	0.75	0.00	0.30	0.94	0.17	1.98	6.08	2.42	0.76	0.00	0.30	1.13	0.21	2.83	7.65
	T45MY011	2.05	0.78	0.00	0.30	0.94	0.17	2.09	6.33	2.56	0.80	0.00	0.30	1.13	0.21	2.99	7.99
	T45MY012	2.04	0.84	0.00	0.30	1.41	0.26	2.10	6.95	2.55	0.86	0.00	0.30	1.70	0.31	3.00	8.72
	T45MY013	2.09	0.86	0.00	0.30	1.41	0.26	2.15	7.07	2.62	0.87	0.00	0.30	1.70	0.31	3.08	8.88
	T45MY014	2.21	0.89	0.00	0.30	1.41	0.26	2.27	7.34	2.76	0.91	0.00	0.30	1.70	0.31	3.24	9.22
	T45MY015	1.86	0.72	0.00	0.40	0.94	0.17	1.76	5.85	2.32	0.74	0.00	0.40	1.13	0.21	2.54	7.34
	T45MY016	2.03	0.78	0.00	0.40	0.94	0.17	1.92	6.24	2.54	0.79	0.00	0.40	1.13	0.21	2.78	7.85
	T45MY017	2.19	0.89	0.00	0.40	1.41	0.26	2.09	7.24	2.74	0.91	0.00	0.40	1.70	0.31	3.01	9.07
	T45MY018	1.67	0.56	0.00	0.40	0.94	0.17	1.47	5.21								
	T45TT001	0.32	0.12	0.00	0.00	0.10	0.02	0.23	0.79								
	T45TT002	0.35	0.13	0.00	0.00	0.10	0.02	0.25	0.85								
	T45TT003	0.38	0.14	0.00	0.00	0.13	0.02	0.28	0.95								
	T45TT004	0.44	0.16	0.00	0.00	0.13	0.02	0.32	1.07								
	T45TT005	0.63	0.22	0.00	0.00	0.13	0.02	0.46	1.46								
	T45WR001	4.03	1.83	0.00	0.50	0.48	0.09	4.91	11.84								
	T45WR002	5.86	2.62	0.00	0.60	0.48	0.09	7.11	16.76								
	T45WR003	5.05	2.27	0.00	0.60	0.48	0.09	6.13	14.62								
	T45WR004	4.01	1.82	0.00	0.60	0.48	0.09	4.88	11.88								
	T45WR005	3.98	1.81	0.00	0.50	0.48	0.09	4.85	11.71								
	T45XX001	3.30	1.13	0.00	0.40	0.48	0.09	3.33	8.73	4.12	1.15	0.00	0.40	0.58	0.11	4.75	11.11
	T45XX002	3.94	1.34	0.00	0.40	0.48	0.09	3.97	10.22	4.93	1.37	0.00	0.40	0.58	0.11	5.68	13.07
	T45XX003	4.00	1.36	0.00	0.40	0.48	0.09	4.03	10.36	4.99	1.39	0.00	0.40	0.58	0.11	5.75	13.22
	T45XX004	4.61	1.62	0.00	0.40	0.94	0.17	4.66	12.40	5.77	1.65	0.00	0.40	1.13	0.21	6.66	15.82

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T45	***cont.***																
	T45XX005	5.57	1.90	0.00	0.40	0.70	0.13	5.62	14.32	6.97	1.94	0.00	0.40	0.84	0.15	8.03	18.33
	T45XX006	10.93	3.99	0.00	0.40	7.06	1.29	11.10	34.77	13.66	4.07	0.00	0.40	8.50	1.56	15.86	44.05
	T45XX007	12.33	4.45	0.00	0.40	7.06	1.29	12.51	38.04	15.42	4.54	0.00	0.40	8.50	1.56	17.87	48.29
	T45XX008	4.42	1.50	0.00	0.40	0.48	0.09	4.14	11.03	5.53	1.53	0.00	0.40	0.58	0.11	5.96	14.11
	T45XX009	3.19	0.91	0.00	0.40	0.48	0.09	2.76	7.83								
	T45XX010	3.22	0.91	0.00	0.40	0.48	0.09	2.78	7.88								
	T45XX011	2.54	0.88	0.00	0.40	0.44	0.08	1.83	6.17								
	T45XX012	2.87	0.98	0.00	0.40	0.40	0.07	2.07	6.79								
	T45XX013	3.12	1.08	0.00	0.40	0.48	0.09	2.25	7.42								
	T45XX014	3.56	1.24	0.00	0.50	0.66	0.12	2.57	8.65								
	T45XX015	3.75	1.29	0.00	0.50	0.60	0.11	2.70	8.95								
	T45XX016	4.30	1.49	0.00	0.50	0.72	0.13	3.10	10.24								
	T45XX017	4.54	1.61	0.00	0.50	1.10	0.20	3.28	11.23								
	T45XX018	5.59	1.95	0.00	0.50	1.10	0.20	4.04	13.38								
	T45XX019	5.78	2.02	0.00	0.50	1.10	0.20	4.17	13.77								
	T45XX020	6.70	2.30	0.00	0.60	0.96	0.18	4.83	15.57								
	T45XX021	7.14	2.48	0.00	0.60	1.26	0.23	5.15	16.86								
	T45XX022	7.93	2.76	0.00	0.60	1.46	0.27	5.72	18.74								
	T45XX023	9.12	3.20	0.00	0.60	1.92	0.35	6.59	21.78								
	T45XX024	2.15	0.76	0.00	0.09	0.48	0.09	1.56	5.13								
	T45XX025	2.06	0.73	0.00	4.00	0.48	0.09	1.49	8.85								
	T45XX026	1.34	0.48	0.00	0.40	0.32	0.06	0.97	3.57								
	T45XX027	1.50	0.55	0.00	0.40	0.45	0.08	1.09	4.07								
	T45XX028	1.60	0.59	0.00	0.40	0.58	0.11	1.16	4.44								
	T45XX029	3.37	1.50	2.41	0.75	0.24	0.04	3.51	11.82								
	T45XX030	3.49	1.60	2.41	0.75	0.48	0.09	3.65	12.47								
	T45XX031	3.66	1.67	2.41	0.75	0.48	0.09	3.82	12.88								
T50																	
	T50FO001	1.47	0.49	3.04	1.10	0.18	0.03	1.63	7.94	1.81	0.49	4.05	1.47	0.23	0.04	2.15	10.24
	T50FO002	1.73	0.57	3.04	1.10	0.21	0.04	1.91	8.60	2.13	0.58	4.05	1.47	0.28	0.05	2.52	11.08
	T50FO003	1.59	0.53	3.04	1.10	0.32	0.06	1.77	8.41	1.96	0.54	4.05	1.47	0.40	0.07	2.33	10.82
	T50FO004	1.85	0.62	3.56	1.29	0.38	0.07	2.05	9.82	2.27	0.63	4.74	1.72	0.50	0.09	2.70	12.65
	T50FO005	1.87	0.64	3.56	1.29	0.51	0.09	2.09	10.05	2.31	0.65	4.74	1.72	0.65	0.12	2.75	12.94
	T50FO006	1.95	0.80	10.60	4.11	0.35	0.06	2.01	19.88	2.44	0.81	13.93	5.40	0.44	0.08	2.70	25.80

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T50	***cont.***																
	T50FO007	2.11	0.86	4.28	1.44	0.35	0.06	2.17	11.27	2.63	0.88	5.71	1.92	0.44	0.08	2.92	14.58
	T50FO008	2.04	0.84	5.37	1.81	0.35	0.06	2.11	12.58	2.55	0.85	7.16	2.41	0.44	0.08	2.83	16.32
	T50FO009	2.25	0.92	5.44	1.83	0.35	0.06	2.32	13.17	2.81	0.93	7.26	2.44	0.44	0.08	3.12	17.08
	T50FO010	2.72	1.11	9.69	3.76	0.42	0.08	2.80	20.58	3.40	1.13	12.73	4.94	0.53	0.10	3.77	26.60
	T50FO011	3.03	1.26	5.29	1.78	0.72	0.13	3.14	15.35	3.79	1.28	7.06	2.37	0.92	0.17	4.22	19.81
	T50FO013	4.22	2.05	7.64	2.77	0.84	0.15	4.35	22.02	5.07	2.07	9.70	3.51	1.08	0.20	6.02	27.65
	T50FO014	4.34	2.11	7.64	2.77	0.89	0.16	4.47	22.38	5.21	2.13	9.70	3.51	1.14	0.21	6.19	28.09
	T50FO015	4.17	2.03	7.64	2.77	0.89	0.16	4.30	21.96	5.00	2.05	9.70	3.51	1.14	0.21	5.94	27.55
	T50FO017	7.27	3.54	9.46	3.43	1.55	0.28	7.49	33.02	8.72	3.58	12.01	4.35	2.00	0.37	10.36	41.39
	T50FO018	7.45	3.63	9.46	3.43	1.62	0.30	7.68	33.57	8.94	3.67	12.01	4.35	2.07	0.38	10.63	42.05
	T50FO019	7.21	3.52	9.46	3.43	1.62	0.30	7.44	32.98	8.65	3.56	12.01	4.35	2.07	0.38	10.29	41.31
	T50GM001	1.13	0.38	2.39	0.87	0.18	0.03	1.26	6.24	1.39	0.38	3.18	1.15	0.23	0.04	1.66	8.03
	T50GM002	1.39	0.46	2.85	1.03	0.18	0.03	1.53	7.47	1.71	0.47	3.81	1.38	0.23	0.04	2.02	9.66
	T50GM003	1.46	0.48	3.63	1.31	0.18	0.03	1.62	8.71	1.80	0.49	4.84	1.75	0.23	0.04	2.14	11.29
	T50GM004	2.73	0.89	4.28	1.55	0.18	0.03	3.01	12.67	3.36	0.90	5.71	2.07	0.23	0.04	3.97	16.28
	T50GM005	2.99	0.97	4.28	1.55	0.21	0.04	3.30	13.34	3.68	0.99	5.71	2.07	0.28	0.05	4.35	17.13
	T50GM006	1.76	0.59	4.28	1.55	0.27	0.05	1.95	10.45	2.17	0.60	5.71	2.07	0.34	0.06	2.58	13.53
	T50GM007	2.03	0.67	4.28	1.55	0.32	0.06	2.25	11.16	2.50	0.68	5.71	2.07	0.43	0.08	2.97	14.44
	T50GM008	1.76	0.59	4.28	1.55	0.32	0.06	1.96	10.52	2.17	0.60	5.71	2.07	0.40	0.07	2.58	13.60
	T50GM009	2.03	0.68	4.28	1.55	0.38	0.07	2.25	11.24	2.50	0.69	5.71	2.07	0.50	0.09	2.97	14.53
	T50GM011	2.23	0.91	12.72	4.93	0.35	0.06	2.30	23.50	2.79	0.93	16.71	6.48	0.44	0.08	3.09	30.52
	T50GM012	2.60	1.06	4.28	1.44	0.35	0.06	2.67	12.46	3.24	1.07	5.71	1.92	0.44	0.08	3.59	16.05
	T50GM013	2.23	0.92	12.72	4.93	0.42	0.08	2.31	23.61	2.79	0.93	16.71	6.48	0.53	0.10	3.10	30.64
	T50GM014	2.61	1.08	4.28	1.44	0.56	0.10	2.70	12.77	3.26	1.10	5.71	1.92	0.70	0.13	3.63	16.45
	T50GM015	3.03	1.51	22.06	9.13	0.97	0.18	3.14	40.02	3.64	1.52	28.67	11.86	1.25	0.23	4.35	51.52
	T50GM016	3.58	1.76	7.83	2.84	0.97	0.18	3.70	20.86	4.30	1.78	9.93	3.60	1.25	0.23	5.12	26.21
	T50GM017	1.69	0.69	3.40	1.14	0.22	0.04	1.74	8.92	2.11	0.70	4.54	1.53	0.28	0.05	2.34	11.55
	T50HN001	2.34	0.96	4.23	1.42	0.39	0.07	2.42	11.83	2.93	0.98	5.64	1.90	0.50	0.09	3.25	15.29
	T50HN002	2.51	1.03	4.23	1.42	0.39	0.07	2.59	12.24	3.14	1.04	5.64	1.90	0.50	0.09	3.48	15.79
	T50HN003	3.25	1.33	5.04	1.69	0.47	0.09	3.35	15.22	4.07	1.35	6.72	2.26	0.60	0.11	4.50	19.61
	T50HN004	3.31	1.41	5.04	1.69	1.09	0.20	3.44	16.18	4.14	1.43	6.72	2.26	1.38	0.25	4.63	20.81
	T50HN005	3.75	1.58	5.04	1.69	1.09	0.20	3.89	17.24	4.68	1.61	6.72	2.26	1.38	0.25	5.23	22.13
	T50HN006	3.52	1.75	9.17	3.32	1.10	0.20	3.64	22.70	4.22	1.77	11.64	4.21	1.41	0.26	5.04	28.55
	T50HN007	3.91	1.93	8.19	2.97	1.10	0.20	4.05	22.35	4.70	1.95	10.40	3.77	1.41	0.26	5.60	28.09
	T50IT002	3.13	1.27	4.41	1.48	0.35	0.06	3.22	13.92	3.91	1.29	5.88	1.98	0.44	0.08	4.33	17.91

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T50	***cont.***																
	T50IT003	3.84	1.55	4.91	1.65	0.35	0.06	3.94	16.30	4.80	1.57	6.55	2.20	0.44	0.08	5.30	20.94
	T50IT004	4.71	2.29	7.10	2.57	0.97	0.18	4.85	22.67	5.65	2.31	9.01	3.26	1.25	0.23	6.71	28.42
	T50IT005	8.19	3.91	10.01	3.62	0.97	0.18	8.41	35.29	9.83	3.96	12.71	4.60	1.25	0.23	11.64	44.22
	T50IT007	10.37	4.93	10.01	3.62	0.97	0.18	10.64	40.72	12.44	4.98	12.71	4.60	1.25	0.23	14.72	50.93
	T50IT008	5.97	2.88	7.10	2.57	0.97	0.18	6.14	25.81	7.16	2.91	9.01	3.26	1.25	0.23	8.49	32.31
	T50IT010	5.77	2.87	10.01	3.62	1.91	0.35	5.97	30.50	6.92	2.90	12.71	4.60	2.47	0.45	8.26	38.31
	T50IT011	7.34	3.60	10.19	3.69	1.91	0.35	7.58	34.66	8.80	3.64	12.94	4.69	2.47	0.45	10.48	43.47
	T50IT012	8.30	4.05	10.19	3.69	1.91	0.35	8.57	37.06	9.96	4.10	12.94	4.69	2.47	0.45	11.85	46.46
	T50KE001	6.24	2.97	12.01	4.35	0.61	0.11	6.41	32.70	7.49	3.01	15.25	5.52	0.78	0.14	8.86	41.05
	T50KE002	6.37	3.03	12.01	4.35	0.61	0.11	6.54	33.02	7.65	3.07	15.25	5.52	0.78	0.14	9.05	41.46
	T50KE003	7.34	3.53	12.01	4.35	1.06	0.19	7.55	36.03	8.81	3.57	15.25	5.52	1.36	0.25	10.44	45.20
	T50KE004	6.86	3.30	12.01	4.35	1.06	0.19	7.05	34.82	8.23	3.34	15.25	5.52	1.36	0.25	9.76	43.71
	T50KE005	6.80	3.27	12.01	4.35	1.06	0.19	7.00	34.68	8.16	3.31	15.25	5.52	1.36	0.25	9.68	43.53
	T50MH001	2.09	0.86	3.40	1.14	0.39	0.07	2.16	10.11	2.61	0.87	4.54	1.53	0.50	0.09	2.90	13.04
	T50MH002	2.16	0.89	3.40	1.14	0.39	0.07	2.23	10.28	2.70	0.90	4.54	1.53	0.50	0.09	3.00	13.26
	T50MH003	2.89	1.18	4.41	1.48	0.39	0.07	2.98	13.40	3.61	1.19	5.88	1.98	0.50	0.09	4.00	17.25
	T50MH004	3.46	1.42	5.04	1.69	0.66	0.12	3.57	15.96	4.32	1.45	6.72	2.26	0.83	0.15	4.80	20.53
	T50MH005	3.72	1.51	5.04	1.69	0.46	0.08	3.83	16.33	4.66	1.53	6.72	2.26	0.58	0.11	5.15	21.01
	T50MH006	3.88	1.63	5.04	1.69	1.09	0.20	4.02	17.55	4.85	1.66	6.72	2.26	1.38	0.25	5.41	22.53
	T50MH007	3.18	1.59	7.28	2.64	1.10	0.20	3.30	19.29	3.81	1.61	9.24	3.35	1.41	0.26	4.56	24.24
	T50MH008	3.33	1.66	8.37	3.03	1.10	0.20	3.45	21.14	3.99	1.68	10.63	3.85	1.41	0.26	4.77	26.59
	T50MH009	2.46	1.01	3.65	1.23	0.39	0.07	2.53	11.34	3.07	1.02	4.87	1.64	0.49	0.09	3.41	14.59
	T50MH010	2.47	1.01	3.40	1.14	0.38	0.07	2.55	11.02	3.09	1.02	4.54	1.53	0.47	0.09	3.42	14.16
	T50MH011	3.67	1.82	8.37	3.03	1.10	0.20	3.80	21.99	4.40	1.84	10.63	3.85	1.41	0.26	5.25	27.64
	T50MT007	7.75	3.66	10.92	3.95	0.43	0.08	7.94	34.73	9.30	3.70	13.86	5.02	0.54	0.10	10.99	43.51
	T50MT008	7.75	3.66	10.92	3.95	0.43	0.08	7.94	34.73	9.30	3.70	13.86	5.02	0.54	0.10	10.99	43.51
	T50MT012	5.73	2.72	12.74	4.61	0.43	0.08	5.88	32.19	6.88	2.75	16.17	5.86	0.54	0.10	8.13	40.43
	T50MT013	7.99	3.77	12.74	4.61	0.43	0.08	8.19	37.81	9.59	3.81	16.17	5.86	0.54	0.10	11.33	47.40
	T50MT014	8.26	3.93	10.92	3.95	0.74	0.14	8.48	36.42	9.92	3.97	13.86	5.02	0.95	0.17	11.73	45.62
	T50MT015	9.04	4.29	10.92	3.95	0.74	0.14	9.28	38.36	10.85	4.34	13.86	5.02	0.95	0.17	12.83	48.02
	T50MT016	6.87	3.27	14.56	5.27	0.61	0.11	7.05	37.74	8.25	3.30	18.48	6.69	0.78	0.14	9.76	47.40
	T50PE002	6.71	3.31	12.74	4.61	1.91	0.35	6.93	36.56	8.05	3.34	16.17	5.86	2.47	0.45	9.59	45.93
	T50PE003	7.06	3.47	12.74	4.61	1.91	0.35	7.30	37.44	8.47	3.51	16.17	5.86	2.47	0.45	10.10	47.03
	T50PE004	6.91	3.40	12.74	4.61	1.91	0.35	7.14	37.06	8.29	3.44	16.17	5.86	2.47	0.45	9.88	46.56
	T50PE005	6.51	3.22	12.74	4.61	1.91	0.35	6.73	36.07	7.81	3.25	16.17	5.86	2.47	0.45	9.31	45.32

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T50	***cont.***																
	T50PE006	6.23	3.09	10.92	3.95	1.91	0.35	6.45	32.90	7.48	3.12	13.86	5.02	2.47	0.45	8.92	41.32
	T50PE007	6.70	3.20	12.74	4.61	0.70	0.13	6.88	34.96	8.04	3.24	16.17	5.86	0.89	0.16	9.52	43.88
T55																	
	T55CA001	14.02	14.91	9.40	4.13	12.70	2.32	12.93	70.41	17.53	14.98	12.01	5.27	21.16	3.87	18.86	93.68
	T55CA002	20.19	21.57	13.57	5.96	11.56	2.12	18.63	93.60	25.23	21.68	17.34	7.62	19.28	3.53	27.17	121.85
	T55CA003	30.47	32.50	18.17	7.98	16.82	3.08	28.11	137.13	38.08	32.67	23.21	10.19	28.04	5.13	41.00	178.32
	T55CA007	14.99	15.90	9.40	4.13	12.70	2.32	13.82	73.26	18.74	15.98	12.01	5.27	21.16	3.87	20.16	97.19
	T55CA008	8.91	9.43	5.43	2.38	6.48	1.19	8.21	42.03	11.14	9.48	6.94	3.05	10.61	1.94	11.98	55.14
	T55CA009	10.42	11.05	5.95	2.61	8.18	1.50	9.60	49.31	13.02	11.11	7.60	3.34	13.40	2.45	14.01	64.93
	T55CA010	27.04	10.02	6.45	1.57	7.56	1.38	24.92	78.94	33.80	10.20	7.70	1.88	12.60	2.31	36.35	104.84
	T55CA011	31.86	11.85	7.84	1.91	9.62	1.76	29.38	94.22	39.83	12.06	9.35	2.28	16.04	2.94	42.86	125.36
	T55CA012	37.69	13.92	8.60	2.10	9.54	1.75	34.72	108.32	47.11	14.17	10.25	2.50	15.92	2.91	50.64	143.50
	T55CA013	37.96	14.18	11.61	2.83	13.08	2.39	35.03	117.08	47.45	14.43	13.84	3.38	21.91	4.01	51.10	156.12
	T55EU006	10.07	10.85	10.96	4.81	6.91	1.26	9.30	54.16	12.58	10.91	14.01	6.15	11.52	2.11	13.57	70.85
	T55EU007	13.31	14.55	14.62	6.42	11.56	2.12	12.33	74.91	16.64	14.63	18.68	8.20	19.28	3.53	17.98	98.94
	T55EU008	14.58	15.85	15.87	6.97	11.56	2.12	13.49	80.44	18.23	15.93	20.28	8.91	19.28	3.53	19.68	105.84
	T55EU009	19.45	21.25	21.92	9.63	16.82	3.08	18.01	110.16	24.31	21.36	28.01	12.30	28.04	5.13	26.27	145.42
	T55JD001	20.34	7.73	7.15	1.74	9.62	1.76	18.83	67.17	25.43	7.87	8.52	2.08	16.04	2.94	27.46	90.34
	T55JD002	23.63	8.91	7.57	1.85	9.62	1.76	21.83	75.17	29.53	9.06	9.03	2.20	16.04	2.94	31.85	100.65
	T55JD003	31.19	11.79	10.10	2.46	13.38	2.45	28.83	100.20	38.98	12.00	12.05	2.94	22.30	4.08	42.06	134.41
	T55JD004	34.76	13.23	12.37	3.02	16.75	3.07	32.17	115.37	43.45	13.46	14.74	3.60	27.92	5.11	46.93	155.21
	T55KM009	14.14	15.02	10.19	4.48	12.70	2.32	13.03	71.88	17.67	15.10	13.02	5.72	21.16	3.87	19.01	95.55
	T55KM010	20.60	21.98	14.93	6.56	20.32	3.72	19.01	107.12	25.75	22.09	19.08	8.38	33.86	6.20	27.72	143.08
	T55KM011	22.31	23.73	14.93	6.56	20.32	3.72	20.58	112.15	27.89	23.85	19.08	8.38	33.86	6.20	30.01	149.27
	T55KM012	29.45	31.47	22.59	9.92	16.82	3.08	27.18	140.51	36.82	31.63	28.87	12.68	28.04	5.13	39.65	182.82
	T55KM013	48.52	52.16	31.03	13.63	31.55	5.77	44.82	227.48	60.65	52.42	39.65	17.41	52.60	9.63	65.37	297.73
	T55KM014	56.62	61.72	41.76	18.34	47.21	8.64	52.41	286.70	70.77	62.04	53.36	23.44	78.70	14.40	76.45	379.16
	T55UN002	25.63	28.65	25.06	11.01	29.97	5.48	23.82	149.62	32.03	28.80	32.02	14.06	49.97	9.14	34.74	200.76
	T55UN003	31.98	35.56	33.41	14.67	35.08	6.42	29.70	186.82	39.97	35.74	42.69	18.75	58.49	10.70	43.32	249.66
	T55UN004	26.19	29.35	28.19	12.38	31.55	5.77	24.35	157.78	32.73	29.50	36.02	15.82	52.60	9.63	35.52	211.82
	T55UN005	34.33	39.50	37.58	16.51	53.59	9.81	32.06	223.38	42.91	39.70	48.02	21.09	89.34	16.35	46.76	304.17
	T55UN006	44.99	50.38	41.76	18.34	53.59	9.81	41.83	260.70	56.24	50.64	53.36	23.44	89.34	16.35	61.01	350.38
	T55VO002	23.08	8.63	7.69	1.88	7.73	1.41	21.30	71.72	28.84	8.79	9.17	2.24	12.75	2.33	31.07	95.19
	T55VO003	25.27	9.53	7.69	1.88	10.34	1.89	23.35	79.95	31.59	9.70	9.17	2.24	17.22	3.15	34.06	107.13

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T55	*cont.*																
	T55VO004	36.58	13.58	10.80	2.64	10.51	1.92	33.72	109.75	45.73	13.82	12.87	3.14	17.51	3.20	49.19	145.46
	T55VO005	29.82	10.97	9.50	2.32	5.86	1.07	27.45	86.99	37.27	11.17	11.33	2.76	9.77	1.79	40.04	114.13
	T55VO006	40.68	15.20	12.00	2.93	13.86	2.54	37.55	124.76	50.86	15.47	14.31	3.49	23.10	4.23	54.76	166.22
T56																	
	T56CA006	29.17	31.18	22.85	10.05	16.82	3.08	26.92	140.07	36.46	31.34	35.91	14.86	27.04	4.95	39.27	189.83
T57																	
	T57CU001	6.63	2.61	2.91	1.05	0.00	0.00	8.55	21.75								
	T57CU002	8.09	3.18	2.91	1.05	0.00	0.00	10.44	25.67								
	T57CU003	11.98	4.71	4.40	1.59	0.00	0.00	15.45	38.13								
	T57CU004	13.71	5.39	6.78	2.46	0.00	0.00	17.68	46.02								
	T57CU005	14.92	5.87	12.82	4.64	0.00	0.00	19.25	57.50								
T60																	
	T60KI001	11.31	5.57	6.70	2.77	3.11	0.57	13.00	43.03	13.58	5.63	8.93	3.70	4.16	0.76	17.81	54.57
	T60KI002	20.43	10.07	12.63	5.23	6.24	1.14	23.47	79.21	24.51	10.18	16.84	6.97	8.41	1.54	32.16	100.61
	T60KI003	29.41	14.47	17.23	7.13	8.73	1.60	33.78	112.35	35.30	14.63	22.97	9.51	11.76	2.15	46.28	142.60
	T60KI004	29.92	14.71	17.23	7.13	8.73	1.60	34.35	113.67	35.90	14.87	22.97	9.51	11.76	2.15	47.07	144.23
	T60KI005	35.75	17.47	21.05	8.71	9.22	1.69	40.99	134.88	42.90	17.66	28.07	11.62	12.41	2.27	56.17	171.10
	T60KI006	36.89	18.01	21.05	8.71	9.22	1.69	42.30	137.87	44.27	18.20	28.07	11.62	12.41	2.27	57.96	174.80
	T60SO001	25.71	12.53	12.63	5.23	6.24	1.14	29.46	92.94	30.85	12.67	16.84	6.97	8.41	1.54	40.37	117.65
	T60SO002	35.39	17.32	17.23	7.13	9.40	1.72	40.60	128.79	42.47	17.51	22.97	9.51	12.67	2.32	55.63	163.08
	T60SO003	35.99	17.60	17.23	7.13	9.40	1.72	41.27	130.34	43.19	17.79	22.97	9.51	12.67	2.32	56.56	165.01
	T60SO004	44.67	21.88	21.05	8.71	12.06	2.21	51.25	161.83	53.61	22.12	28.07	11.62	16.24	2.97	70.23	204.86
	T60SO005	45.47	22.25	21.05	8.71	12.06	2.21	52.15	163.90	54.56	22.49	28.07	11.62	16.24	2.97	71.47	207.42
T65																	
	T65AS001	22.65	11.14	3.19	1.16	0.30	0.05	31.12	69.61								
	T65AS002	34.28	16.85	5.42	1.96	0.30	0.05	47.09	105.95								
	T65AS005	78.71	38.68	15.31	5.54	0.71	0.13	108.10	247.18								
	T65AS006	91.00	44.75	12.75	4.62	1.03	0.19	125.00	279.34								
	T65AS009	135.12	84.19	45.37	36.34	0.00	0.00	143.54	444.56	152.00	84.61	58.99	45.14	0.00	0.00	184.55	525.29
	T65AS010	197.73	123.20	78.58	62.81	0.00	0.00	210.06	672.38	222.44	123.82	102.15	78.05	0.00	0.00	270.07	796.53
	T65AS012	38.60	16.38	8.93	8.77	0.24	0.04	53.01	125.97								
	T65AS016	59.19	32.95	18.49	14.96	0.00	0.00	80.85	206.44	67.65	33.16	24.03	18.54	0.00	0.00	102.66	246.04
	T65AS017	90.98	50.64	29.69	23.70	0.00	0.00	124.26	319.27	103.97	50.97	38.59	29.45	0.00	0.00	157.79	380.77

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T65	***cont.***																
	T65AS018	134.02	74.60	33.20	26.47	0.00	0.00	183.05	451.34	153.16	75.09	43.16	32.91	0.00	0.00	232.45	536.77
	T65AS020	51.95	20.49	4.08	4.54	0.30	0.05	67.04	148.45								
	T65AS021	62.64	24.69	4.29	5.12	0.30	0.05	80.83	177.92								
	T65AS024	4.71	3.23	0.00	2.00	0.29	0.05	5.28	15.56								
	T65AS025	4.83	3.32	0.00	2.00	0.29	0.05	5.41	15.90								
	T65AT003	50.69	28.21	19.53	15.63	0.00	0.00	69.23	183.29	57.93	28.40	25.39	19.42	0.00	0.00	87.91	219.05
	T65AT004	63.89	35.56	41.99	33.65	0.00	0.00	87.26	262.35	73.01	35.80	54.59	41.80	0.00	0.00	110.81	316.01
	T65AT006	109.35	60.87	31.64	25.46	0.00	0.00	149.36	376.68	124.97	61.27	41.13	31.59	0.00	0.00	189.67	448.63
	T65AT007	3.21	1.97	1.63	2.20	0.00	0.00	4.14	13.15								
	T65AT008	4.47	2.75	1.04	1.81	0.00	0.00	5.77	15.84								
	T65DO004	183.86	102.34	64.77	51.88	0.00	0.00	251.13	653.98	210.13	103.02	84.21	64.45	0.00	0.00	318.90	780.71
	T65DO007	2.88	1.77	3.26	2.40	0.00	0.00	3.71	14.02								
	T65DO008	3.92	2.41	4.88	3.59	0.00	0.00	5.06	19.86								
	T65DR004	28.82	17.69	3.91	3.78	0.00	0.00	37.18	91.38								
	T65DR005	20.17	12.38	3.39	3.47	0.00	0.00	26.02	65.43								
	T65EI004	13.29	8.50	9.65	3.74	5.12	0.94	16.20	57.44								
	T65EI005	16.70	10.85	11.57	4.49	3.15	0.58	20.43	67.77								
	T65EI006	25.52	16.68	13.57	5.26	5.34	0.98	31.24	98.59								
	T65EI007	5.33	3.32	2.09	1.31	0.35	0.06	6.46	18.92								
	T65EI009	9.21	5.76	4.18	2.62	1.50	0.27	11.18	34.72								
	T65EI011	8.28	5.23	7.73	3.00	2.18	0.40	10.06	36.88								
	T65EI012	12.83	8.34	11.57	4.49	7.05	1.29	15.69	61.26								
	T65EI014	3.72	2.30	1.67	0.65	0.14	0.03	4.81	13.32								
	T65EI015	4.37	2.72	3.76	1.46	0.29	0.05	5.65	18.30								
	T65FL002	17.78	7.02	5.95	5.85	0.18	0.03	22.96	59.77								
	T65FL004	24.21	9.57	5.95	5.85	0.30	0.05	31.25	77.18								
	T65TL003	8.16	5.08	4.21	1.63	0.71	0.13	10.55	30.47								
	T65TL005	6.22	3.89	4.21	1.63	0.71	0.13	8.05	24.84								
	T65VA001	185.15	115.36	81.38	52.62	0.00	0.00	196.70	631.21	208.30	115.94	105.79	68.40	0.00	0.00	252.90	751.33
	T65VA002	299.30	186.49	83.00	53.67	0.00	0.00	317.96	940.42	336.71	187.42	107.90	69.77	0.00	0.00	408.81	1,110.61
	T65VA003	653.13	406.95	187.81	121.44	0.00	0.00	693.85	2,063.18	734.77	408.98	244.16	157.87	0.00	0.00	892.09	2,437.87
	T65VA008	31.02	19.52	6.51	3.79	7.05	1.29	35.19	104.37								
	T65VA009	52.02	31.94	14.00	8.15	0.00	0.00	58.72	164.83								
	T65WG001	7.32	4.51	2.30	0.89	0.14	0.03	8.86	24.05								
	T65WG002	9.50	5.93	3.42	1.33	1.50	0.27	11.52	33.47								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T65	***cont.***																
	T65WG003	17.40	11.02	9.65	3.74	5.12	0.94	21.17	69.04								
	T65WG005	8.34	5.14	2.60	1.81	0.14	0.03	9.42	27.48								
	T65WG006	12.00	7.47	4.88	3.59	1.50	0.27	13.58	43.29								
	T65WG007	22.42	14.10	11.39	8.38	5.12	0.94	25.43	87.78								
	T65WG008	7.96	4.93	3.42	1.33	0.37	0.07	9.64	27.72								
	T65WG009	14.79	9.18	7.73	3.00	1.39	0.25	17.91	54.25								
	T65WG010	24.12	15.18	15.66	6.08	5.52	1.01	29.30	96.87								
	T65WG011	27.65	17.53	19.84	7.70	8.35	1.53	33.64	116.24								
W25																	
	W25AO001	0.48	0.08	0.09	0.55	0.00	0.00	0.85	2.05								
	W25AO002	0.59	0.10	0.09	0.80	0.00	0.00	1.04	2.62								
	W25AO003	0.87	0.15	0.18	0.84	0.00	0.00	1.54	3.58								
	W25AO004	0.84	0.15	0.18	1.09	0.00	0.00	1.49	3.75								
	W25AO005	1.78	0.31	0.35	1.68	0.00	0.00	3.16	7.28								
	W25AO006	1.15	0.20	0.09	0.80	0.00	0.00	2.04	4.28								
	W25CD001	3.71	0.64	0.00	0.50	0.00	0.00	6.58	11.43								
	W25CD002	6.18	1.07	0.00	0.75	0.00	0.00	10.96	18.96								
	W25CJ001	20.10	4.94	1.30	0.84	0.00	0.00	32.41	59.59								
	W25CJ002	28.68	7.06	1.56	1.01	0.00	0.00	46.24	84.55								
	W25CJ003	32.40	7.97	1.56	1.01	0.00	0.00	52.25	95.19								
	W25NL001	12.36	2.13	17.67	9.14	0.00	0.00	23.90	65.20								
	W25NL002	20.74	3.58	19.04	6.89	0.00	0.00	40.10	90.35								
	W25NL003	13.27	2.29	8.53	3.09	0.00	0.00	25.67	52.85								
	W25NL004	26.95	4.68	2.27	0.82	0.16	0.03	52.17	87.08								
	W25NL005	50.69	8.75	39.79	14.41	0.00	0.00	98.02	211.66								
	W25SD001	0.72	0.12	0.44	0.23	0.00	0.00	1.27	2.78								
	W25SD002	1.71	0.30	0.27	0.14	0.00	0.00	3.03	5.45								
	W25SD003	1.11	0.19	2.30	0.71	0.00	0.00	1.96	6.27								
	W25SD004	2.14	0.38	3.78	1.17	0.04	0.01	3.80	11.32								
	W25SD005	0.97	0.17	1.81	0.56	0.00	0.00	1.71	5.22								
	W25WE001	5.92	1.04	4.42	2.79	0.09	0.02	11.50	25.78								
	W25WE002	6.58	1.16	6.63	4.18	0.09	0.02	12.77	31.43								
	W25WE003	7.21	1.27	5.17	1.87	0.09	0.02	13.98	29.61								
	W25WE004	11.71	2.04	13.25	8.35	0.09	0.02	22.69	58.15								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 9		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
W25	***cont.***																
	W25WE005	14.50	2.52	9.09	3.29	0.09	0.02	28.08	57.59								
	W25WE006	16.36	2.84	13.64	4.94	0.07	0.01	31.68	69.54								
	W25WE007	18.82	3.27	13.07	4.73	0.12	0.02	36.45	76.48								
W30																	
	W30MG099	0.29	0.15	0.00	0.00	0.06	0.01	0.28	0.79								
	W30SO001	3.02	1.44	0.90	0.29	0.15	0.03	2.95	8.78								
	W30SO002	3.62	1.72	0.90	0.29	0.15	0.03	3.54	10.25								
	W30SO003	3.94	1.87	0.90	0.29	0.15	0.03	3.85	11.03								
	W30SO004	1.98	0.93	0.00	0.01	0.00	0.00	1.61	4.53								
	W30SO005	2.21	1.03	0.00	0.01	0.00	0.00	1.80	5.05								
	W30SO006	2.55	1.19	0.00	0.01	0.00	0.00	2.07	5.82								
W35																	
	W35LC001	0.18	0.07	1.52	0.47	0.00	0.00	0.24	2.48								
	W35LC002	0.41	0.15	2.77	0.86	0.02	0.00	0.54	4.75								
	W35LC003	0.51	0.19	2.49	0.77	0.02	0.00	0.66	4.64								
	W35LC004	0.95	0.34	3.60	1.12	0.03	0.01	1.23	7.28								
	W35LC005	1.20	0.43	2.09	0.65	0.03	0.01	1.56	5.97								
	W35LC006	1.22	0.44	2.09	0.65	0.03	0.01	1.58	6.02								
	W35LC010	0.06	0.02	0.42	0.22	0.00	0.00	0.05	0.77								
	W35LC011	0.39	0.10	0.75	0.39	0.00	0.00	0.31	1.94								
	W35LC012	0.39	0.10	0.98	0.51	0.00	0.00	0.31	2.29								
	W35LC013	0.39	0.10	1.14	0.59	0.00	0.00	0.31	2.53								
	W35LC018	0.11	0.03	0.14	0.07	0.00	0.00	0.09	0.44								
	W35LC019	0.31	0.08	0.31	0.16	0.00	0.00	0.25	1.11								
	W35LC020	0.47	0.12	0.73	0.38	0.00	0.00	0.38	2.08								

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 1998 (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 identification number (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); filter, 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 Table 2-1 and Table 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 Table 2-1 and Table 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 adjustment conditions are explained below.

Changes in operating conditions
Changes in Cost of Money Rate
Actual work hours (hr) 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 cost of money rate 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 cost of money rates. The total hourly rate adjusted for a differing cost of money rate is computed by the formula:

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

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

Assumptions for Total Hourly Rate with CMR of 5.00%

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

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

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

3-8. Actual Work Hours Greater Than 40 Hours per Week.

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

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

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

Assumptions for Total Hourly Rate for 40 Hours/Week:

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

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

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

3-9. Changes in Fuel Cost.

Hourly fuel costs (including electricity) shall be adjusted in the event the average fuel prices at the job site 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 $1.16/gal from Appendix B has increased to $1.80/gal (increase of 55.2%). The total hourly rate for this piece of equipment can be determined as follows:

Assumptions for Fuel Cost (based on $1.16/gal from Appendix B):

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

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

$$(\$30.00/\text{hr} + \$10.00/\text{hr}) + \$30.00/\text{hr} + \left[\frac{(\$1.80/\text{gal})}{(\$1.16/\text{gal})} \times \$10.00/\text{hr}\right] = \$85.52/\text{hr}$$

3-10. Adjustments to 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 Equipment Pamphlet 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 1998) and does not exceed the years of economic life, adjust the hourly rate as shown in the example below. 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 1998 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 1998 (DEPR + FCCM)	= - ($30.00)/hr
Ownership rate 1994 adjusted for age (Ownership rate = $30) x (0.91 the age adjustment factor from Table 3-1, for category C80, subcategory 0.02, and for the year 1994.)	= + $27.30/hr
	==========
Total hourly rate for equipment manufactured in 1994	= $62.30/hr

b. When the unit of equipment is older than the age of equipment listed in Table 2-1 (purchased new in 1998) and exceeds the years of economic life, adjust the hourly rate as shown in the example for overage equipment in paragraph 3-12. b. below.

c. When the unit of equipment is newer than the equipment listed in Table 2-1 (purchased new in 1998), 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 then use the adjustment factor in the column of the most recent year. Once the adjustment factor is determined from Table 3-1 then 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 1998). 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 then 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 1998, 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 Calculations:

Total hourly rate	= $65.00/hr
Ownership rate 1998 (DEPR + FCCM)	= - ($30.00)/hr
Ownership rate 1974 adjusted for age (Ownership rate = $30.00) x (0.77 use the oldest age adjustment factor from Table 3-1, for category C80, subcategory 0.02, the last year shown.)	= + $23.10 /hr
	==========
Total hourly rate for equipment manufactured in 1974	= $58.10 /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 1998), then adjustment to the hourly standby rate is required. When the age of the equipment is newer or older than the age of the equipment listed in Table 2-1, Table 3-2 factors may be used to adjust the hourly rate, otherwise the step-by-step calculation method is necessary. The result is a standby rate adjusted for the actual age of the equipment.

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

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

Example: Assume that Table 2-1 includes a crane (category C80, subcategory 0.02) manufactured in 1998 and has a standby rate of $18 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)	=	$18.00/hr
Age Adjustment Factor (Table 3-2)	=	0.91

for category C80, subcategory 0.02, and for 1994 (actual year of manufacture)

Adjustment Calculation:

Hourly Standby Rate Adjusted for Actual Age=
$18.00/hr (Hourly Standby Rate) x 0.91 (Age Adjustment Factor) = $16.38/hr

b. When the unit of equipment is newer than the equipment listed in Table 2-1 (purchased new in 1998), use the adjustment factor in Table 3-2 for the year of manufacture. Once the adjustment factor is determined from Table 3-2 then 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 1998).

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 “life” 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 9	Life in Years																	
			Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		TYPE OF EQUIPMENT	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
A10	0.00	AGGREGATE / CHIP SPREADERS																		
A10	0.10	SELF-PROPELLED	1.08	1.04	1.02	1.00	0.97	0.93	0.91	0.89										
A10	0.20	TOWED & TAILGATE	1.08	1.04	1.02	1.00	0.97	0.93												
A15	0.00	AIR COMPRESSORS, PORTABLE																		
A15	0.10	ROTARY SCREW	1.02	1.00	1.00	1.00	1.00	0.99	0.99	0.97	0.97	0.96								
A15	0.20	SHOP TYPE	1.02	1.00	1.00	1.00	1.00	0.99	0.99	0.97	0.97	0.97	0.94	0.94						
A20	0.00	AIR HOSE, TOOLS & EQUIPMENT																		
A20	0.10	AIR HOSE	1.02	1.00	1.00	1.00														
A20	0.20	SANDBLAST HOSE	1.02	1.00	1.00	1.00														
A20	0.30	SANDBLASTERS, BREAKERS, & MISC. AIR TOOLS	1.02	1.00	1.00	1.00	1.00	0.99												
A25	0.00	ASPHALT PAVING DISTRIBUTORS	1.08	1.04	1.01	1.00	0.97	0.94												
A30	0.00	ASPHALT PAVERS & MISCELLANEOUS ROAD EQUIPMENT																		
A30	0.10	SELF PROPELLED	1.08	1.04	1.02	1.00	0.97	0.94	0.92	0.89										
A30	0.20	TOWED	1.08	1.04	1.02	1.00	0.97	0.94	0.91	0.89	0.87	0.84								
A30	0.30	SLURRY SEAL PAVERS (COLD MIX)	1.08	1.04	1.02	1.00	0.97	0.94	0.92	0.89	0.87	0.84	0.85	0.80						
A30	0.40	MISCELLANEOUS ROAD EQUIPMENT	1.08	1.04	1.02	1.00	0.97	0.94	0.91	0.89	0.87	0.84								
A35	0.00	ASPHALT PAVING KETTLES	1.08	1.04	1.02	1.00	0.97	0.93												
A40	0.00	ASPHALT & CONCRETE MILLERS / PROFILERS / PLANERS	1.08	1.04	1.02	1.00	0.97	0.93												
A45	0.00	ASPHALT RECYCLERS & SEALERS	1.08	1.04	1.02	1.00	0.97													
B10	0.00	BATCH PLANTS (ASPHALT & CONCRETE)																		
B10	0.10	ASPHALT	1.08	1.04	1.02	1.00	0.97	0.93	0.91	0.89										
B10	0.20	CONCRETE	1.08	1.04	1.02	1.00	0.97	0.93	0.91	0.89										
B10	0.30	PUGMILL	1.08	1.04	1.02	1.00	0.97	0.94	0.91	0.89	0.87	0.84								
B15	0.00	BROOMS, STREET SWEEPERS & FLUSHERS	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.91										
B20	0.00	BRUSH CHIPPERS	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.91										
B25	0.00	BUCKETS, CLAMSHELL	1.03	1.00	1.01	1.00	0.99	0.98	0.96	0.95										
B30	0.00	BUCKETS, CONCRETE																		

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 9	Life in Years																	
			Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		TYPE OF EQUIPMENT	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
B30	0.10	GENERAL PURPOSE, MANUAL TRIP	1.03	1.00	1.01	1.00	0.99	0.98	0.96	0.96										
B30	0.20	LAYDOWN	1.03	1.00	1.01	1.00	0.99	0.98	0.96	0.96										
B30	0.30	LOWBOY	1.03	1.00	1.01	1.00	0.99	0.98	0.96	0.96										
B30	0.40	LOW SLUMP	1.03	1.00	1.01	1.00	0.99	0.98	0.96	0.96										
B35	0.00	BUCKETS, DRAGLINE																		
B35	0.10	LIGHT WEIGHT	1.03	1.00	1.01	1.00	0.99	0.98	0.96	0.95										
B35	0.20	MEDIUM WEIGHT	1.03	1.00	1.01	1.00	0.99	0.98	0.96	0.95	0.96									
B35	0.30	HEAVY WEIGHT	1.03	1.00	1.01	1.00	0.99	0.98	0.96	0.95	0.96	0.92								
C05	0.00	CHAIN SAWS	1.06	1.03	1.01	1.00														
C10	0.00	COMPACTORS, WALK-BEHIND OR REMOTE CONTROLLER																		
C10	0.10	COMPACTORS, RAMMERS / TAMPERS & VIBRATORY PLATES	1.06	1.02	1.01	1.00														
C10	0.20	ROLLERS, VIBRATORY	1.07	1.03	1.02	1.00														
C15	0.00	CONCRETE CLEANERS / BLASTERS	1.07	1.03	1.02	1.00														
C20	0.00	CONCRETE BUGGIES	1.07	1.03	1.02	1.00														
C25	0.00	CONCRETE FINISHERS/SCREEDS/SPREADERS																		
C25	0.10	FINISHERS/TROWELS	1.07	1.03	1.02	1.00	0.98													
C25	0.20	VIBRATORY SCREED	1.07	1.03	1.02	1.00	0.98													
C25	0.25	VIBRATORY LASER SCREED	1.07	1.03	1.02	1.00	0.97	0.95	0.92	0.90										
C25	0.30	MATERIAL/TOPPING SPREADERS	1.07	1.03	1.02	1.00	0.97	0.95	0.92	0.90										
C30	0.00	CONCRETE GRINDERS	1.07	1.03	1.02	1.00	0.98													
C35	0.00	CONCRETE GUNITERS / SHOTCRETERS	1.07	1.03	1.02	1.00	0.97	0.95	0.93											
C40	0.00	CONCRETE MIXING UNITS	1.07	1.03	1.02	1.00	0.98													
C45	0.00	CONCRETE PAVING MACHINES	1.08	1.04	1.02	1.00	0.97	0.93												
C55	0.00	CONCRETE PUMPS	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.91										
C60	0.00	CONCRETE SAWS (sawblade wear not included)	1.06	1.03	1.02	1.00	0.98	0.96												
C65	0.00	CONCRETE VIBRATORS	1.02	1.00	1.00	1.00														
C70	0.00	CRANES, GANTRY & STRADDLE																		

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 9 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
			2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
C75	0.00	CRANES, HYDRAULIC, SELF-PROPELLED	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.86	0.81	0.78	0.74	0.68				
C80	0.00	CRANES, HYDRAULIC, TRUCK MOUNTED																		
C80	0.01	UNDER 26 TON	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.86	0.81	0.78	0.74	0.68	0.66	0.64		
C80	0.02	26 TON THRU 65 TON	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.86	0.81	0.78	0.74	0.69	0.67	0.64	0.63	0.61
C80	0.03	66 TON THRU 125 TON	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.86	0.81	0.78	0.74	0.69	0.67	0.65	0.63	0.62
C80	0.04	OVER 125 TON	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.86	0.81	0.78	0.75	0.69	0.67	0.65	0.63	0.62
C85	0.00	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER MOUNTED																		
C85	0.11	DRAGLINE, CLAMSHELL, 0 THRU 1.0 CY	1.05	1.02	1.01	1.00	0.98	0.95	0.93	0.91	0.90	0.85	0.80	0.77	0.73	0.67				
C85	0.12	DRAGLINE, CLAMSHELL, OVER 1.0 CY THRU 2.5 CY	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.85	0.80	0.77	0.73	0.67	0.65	0.63		
C85	0.13	DRAGLINE, CLAMSHELL, OVER 2.5 CY THRU 5.0 CY	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.86	0.81	0.78	0.74	0.68	0.66	0.64	0.62	0.61
C85	0.14	DRAGLINE, CLAMSHELL, OVER 5.0 CY	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.86	0.81	0.78	0.74	0.68	0.66	0.64	0.62	0.61
C85	0.21	LIFTING, 0 THRU 25 TON	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.85	0.80	0.77	0.73	0.67	0.65	0.63		
C85	0.22	LIFTING, 26 TON THRU 50 TON	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.86	0.81	0.78	0.74	0.68	0.66	0.64	0.62	0.61
C85	0.23	LIFTING, 51 TON THRU 150 TON	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.86	0.81	0.78	0.74	0.69	0.67	0.65	0.63	0.62
C85	0.24	LIFTING, OVER 150 TON	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.86	0.81	0.78	0.75	0.69	0.67	0.65	0.63	0.62
C90	0.00	CRANES, MECHANICAL, LATTICE BOOM, TRUCK MOUNTED																		
C90	0.01	UNDER 26 TON	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.86	0.81	0.78	0.74	0.68	0.66	0.64		
C90	0.02	26 TON THRU 65 TON	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.86	0.81	0.78	0.74	0.69	0.67	0.64	0.63	0.61
C90	0.03	66 TON THRU 125 TON	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.86	0.81	0.78	0.74	0.68	0.66	0.64	0.62	0.61
C90	0.04	OVER 125 TON	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.86	0.81	0.78	0.74	0.68	0.67	0.64	0.62	0.61
C95	0.00	CRANES, TOWER	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.86	0.81	0.78	0.74	0.68	0.66	0.64	0.62	0.61
D10	0.00	DRILLS,AIR/HYDRAULIC,CRWLR MTD,0" THRU 6.5" DIA HOLE	1.07	1.04	1.02	1.00	0.98	0.97	0.93	0.90	0.89	0.86	0.85	0.82	0.79	0.74				
D15	0.00	DRILLS, HORIZONTAL BORING & GROUND PIERCING	1.07	1.04	1.02	1.00	0.98	0.96	0.92	0.90	0.88	0.86	0.85	0.82						
D20	0.00	DRILLS, CORE, COLUMN MOUNTED	1.08	1.04	1.02	1.00	0.98	0.96	0.92	0.90	0.88	0.86								
D25	0.00	DRILLS, CORE, SKID MOUNTED	1.07	1.04	1.02	1.00	0.98	0.96	0.92	0.90	0.88	0.86	0.85	0.82						
D30	0.00	DRILLS, EARTH / AUGER	1.07	1.04	1.02	1.00	0.98	0.96	0.92	0.90	0.88	0.86	0.85	0.82						
D35	0.00	DRILLS, ROTARY BLASTHOLE																		

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 9 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
			2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
D35	0.11	DIESEL, 4.5" THRU 9.875" DIAMETER HOLE	1.07	1.03	1.02	1.00	0.98	0.97	0.93	0.91	0.89	0.87	0.86	0.83	0.80	0.75				
D35	0.12	DIESEL, OVER 9.875" DIAMETER	1.07	1.03	1.02	1.00	0.98	0.97	0.93	0.91	0.89	0.87	0.86	0.83	0.80	0.75	0.75	0.75	0.76	0.75
D35	0.21	ELECTRIC, 4.5" THRU 9.875" DIAMETER HOLE	1.07	1.03	1.02	1.00	0.98	0.97	0.93	0.91	0.89	0.87	0.86	0.83	0.80	0.75				
D35	0.22	ELECTRIC, OVER 9.875" DIAMETER	1.07	1.03	1.02	1.00	0.98	0.97	0.93	0.91	0.89	0.87	0.86	0.83	0.80	0.75	0.75	0.75	0.76	0.75
F10	0.00	FORK LIFTS	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.89	0.87								
G10	0.00	GENERATOR SETS																		
G10	0.10	PORTABLE	1.04	1.00	1.00	1.00	0.99	1.00	0.99	0.96										
G10	0.20	SKID MOUNTED	1.04	1.00	1.00	1.00	0.99	1.00	0.99	0.96	0.95	0.93								
G15	0.00	GRADERS, MOTOR	1.09	1.05	1.03	1.00	0.97	0.96	0.90	0.88	0.85	0.79	0.76	0.73	0.70	0.66	0.64			
H10	0.00	HAMMERS, HYDRAULIC (DEMOLITION TOOL)	1.07	1.03	1.02	1.00	0.98	0.96												
H13	0.00	HAZARDOUS/TOXIC WASTE EQUIPMENT																		
H13	0.11	COMPACTORS (COMPRESSION FORCE) 0 THRU 50 TONS	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87								
H13	0.12	COMPACTORS (COMPRESSION FORCE) OVER 50 TONS	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.84	0.82						
H13	0.21	FILTER PRESSES, STATIONARY	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.89	0.87								
H13	0.22	FILTER PRESSES, MOBILE	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87								
H13	0.30	CENTRIFUGES	1.07	1.03	1.02	1.00														
H13	0.40	SHREDDERS	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87								
H13	0.51	SOIL TREATMENT PLANT, MOBILE	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87								
H13	0.61	SLUDGE PROCESSING EQUIP, SLUDGE DISPENSERS	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87								
H13	0.71	WASTE HANDLING EQUIPMENT, DRUM HANDLING	1.07	1.03	1.02	1.00														
H15	0.00	HEATERS, SPACE																		
H20	0.00	HOISTS & AIR WINCHES	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.89									
H25	0.00	HYDRAULIC EXCAVATORS, CRAWLER MOUNTED																		
H25	0.11	0 LBS THRU 40,000 LBS	1.06	1.02	1.01	1.00	0.97	0.95	0.92	0.90	0.89	0.84								
H25	0.12	OVER 40,000 LBS THRU 100,000 LBS	1.06	1.02	1.01	1.00	0.98	0.95	0.92	0.90	0.89	0.85	0.79	0.76						
H25	0.13	OVER 100,000 LBS THRU 160,000 LBS	1.05	1.02	1.01	1.00	0.98	0.95	0.93	0.91	0.90	0.85	0.80	0.77	0.73	0.67	0.65	0.63	0.61	0.60
H25	0.14	OVER 160,000 LBS	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.86	0.81	0.78	0.74	0.68	0.66	0.64	0.62	0.61

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 9	Life in Years																	
			Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		TYPE OF EQUIPMENT	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
H25	0.21	ATTACHMENTS, MOBILE SHEARS	1.06	1.03	1.02	1.00	0.98	0.96												
H25	0.22	ATTACHMENTS, MATERIAL HANDLING	1.07	1.03	1.02	1.00	0.98	0.96												
H25	0.23	ATTACHMENTS, CONCRETE PULVERIZERS	1.06	1.03	1.02	1.00	0.98	0.96												
H25	0.24	ATTACHMENTS, COMPACTORS	1.06	1.03	1.02	1.00	0.98	0.96												
H30	0.00	HYDRAULIC EXCAVATORS, WHEEL MOUNTED																		
H30	0.01	0 THRU 1.0 CY	1.06	1.02	1.02	1.00	0.97	0.95	0.92	0.90										
H30	0.02	OVER 1.0 CY	1.06	1.02	1.01	1.00	0.97	0.95	0.92	0.90	0.89	0.84								
H35	0.00	HYDRAULIC SHOVELS, CRAWLER MOUNTED																		
H35	0.11	DIESEL, 0 CY THRU 5.0 CY	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.86	0.81	0.78	0.74	0.68	0.66	0.64	0.62	0.61
H35	0.12	DIESEL, OVER 5.0 CY	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.82	0.79	0.76	0.70	0.68	0.66	0.64	0.63
H35	0.21	ELECTRIC, OVER 2.5 CY	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.86	0.81	0.78	0.74	0.68	0.66	0.64	0.62	0.61
L10	0.00	LAND CLEARING EQUIPMENT	1.09	1.05	1.03	1.00	0.98	0.96	0.93	0.89	0.86	0.80								
L15	0.00	LANDSCAPING EQUIPMENT	1.07	1.03	1.02	1.00														
L20	0.00	LIGHTING SETS, TRAILER MOUNTED																		
L20	0.10	METALLIC VAPOR	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91										
L25	0.00	LINE STRIPING EQUIPMENT	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91										
L30	0.00	LOADERS, BELT (CONVEYOR BELTS) & ACCESSORIES	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.89	0.87								
L35	0.00	LOADERS, FRONT END, CRAWLER TYPE	1.09	1.05	1.03	1.00	0.98	0.96	0.93	0.89										
L40	0.00	LOADERS, FRONT END, WHEEL TYPE																		
L40	0.11	ARTICULATED, 0 THRU 225 HP	1.07	1.04	1.02	1.00	0.98	0.96	0.93	0.91	0.89	0.86								
L40	0.12	ARTICULATED, OVER 225 HP	1.07	1.03	1.02	1.00	0.98	0.97	0.94	0.91	0.89	0.86	0.84	0.82						
L40	0.20	SKID STEER	1.07	1.03	1.02	1.00	0.98	0.97	0.93	0.91										
L40	0.21	SKID STEER ATTACHMENTS	1.08	1.04	1.02	1.00														
L40	0.31	TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP	1.07	1.04	1.02	1.00	0.98	0.96	0.93	0.91	0.89	0.86								
L40	0.32	TOOL CARRIER & TELESCOPIC HANDLERS, OVER 225 HP	1.07	1.03	1.02	1.00	0.98	0.97	0.94	0.91	0.90	0.87	0.84	0.82						
L45	0.00	LOADERS / BACKHOE, CRAWLER TYPE	1.09	1.05	1.03	1.00	0.98	0.96	0.93	0.89										
L50	0.00	LOADERS / BACKHOE, WHEEL TYPE	1.07	1.04	1.02	1.00	0.98	0.96	0.93	0.91	0.89	0.86								

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 9 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
			2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
L55	0.00	LOADER / BACKHOE, ATTACHMENTS	1.07	1.03	1.02	1.00	0.98	0.96												
L60	0.00	LOG SKIDDERS	1.09	1.05	1.03	1.00	0.98	0.96	0.96	0.95										
M10	0.00	MARINE EQUIPMENT (NON DREDGING)																		
M10	0.11	AQUATIC MAINTENANCE	1.06	1.03	1.01	1.00	0.98	0.95	0.90	0.89	0.87	0.83								
M10	0.12	AQUATIC MAINTENACE ATTACHMENTS	1.07	1.03	1.01	1.00	0.98	0.94												
M10	0.21	HYDRAULIC CUTTERHEAD DREDGE, 8" OR LESS,TRANSPORTABL	1.06	1.03	1.01	1.00	0.98	0.95	0.91	0.89	0.88	0.84	0.80	0.76	0.73	0.70	0.69	0.69		
M10	0.22	HYDRAULIC CUTTERHEAD DREDGE,8" - 12",TRANSPORTABLE	1.06	1.03	1.01	1.00	0.98	0.95	0.91	0.89	0.88	0.84	0.80	0.76	0.73	0.70	0.69	0.69		
M10	0.23	HYDRAULIC AUGERHEAD DREDGE,12" OR LESS,TRANSPORTABLE	1.06	1.03	1.01	1.00	0.98	0.95	0.91	0.89	0.88	0.84	0.80	0.76	0.73	0.70	0.69	0.69		
M10	0.24	HYDRAULIC FLOATING PUMPS,12" OR LESS,TRANSPORTABLE	1.06	1.03	1.01	1.00	0.98	0.95	0.91	0.89										
M10	0.25	HYDRUALIC DREDGE PUMPS,12" OR LESS,TRANSPORTABLE	1.06	1.03	1.01	1.00	0.98	0.94												
M10	0.26	HYDRAULIC DREDGE / PUMP ATTACHMENTS	1.06	1.03	1.01	1.00	0.98	0.94												
M10	0.31	SMALL MECH DREDGES,CLAMSHELL,BARGE-MTD TO 5 CY	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.86	0.81	0.78	0.74	0.69	0.67	0.65	0.63	0.62
M10	0.32	SMALL MECH DREDGES, AMPHIBIOUS EXCAVATORS	1.05	1.02	1.01	1.00	0.98	0.95	0.93	0.91	0.90	0.85								
M10	0.33	SMALL MECH DREDGES,HOE-MOUNTED DREDGING ATTACH	1.06	1.03	1.01	1.00	0.98	0.95	0.91	0.89	0.88	0.84	0.79	0.76	0.73	0.69	0.69	0.68	0.66	0.64
M10	0.41	WORK FLOATS (NON-DREDGING)	1.06	1.03	1.01	1.00	0.98	0.95												
M10	0.42	WORK BARGES (SECTIONAL, NON-DREDGING)	1.06	1.02	1.01	1.00	0.98	0.95	0.91	0.90	0.88	0.85	0.80	0.77	0.74	0.71	0.70	0.70	0.67	0.65
M10	0.45	FLAT-DECK OR CARGO BARGE (NON-DREDGING)	1.06	1.02	1.01	1.00	0.99	0.95	0.92	0.90	0.89	0.85	0.81	0.78	0.75	0.72	0.71	0.71	0.69	0.67
M10	0.46	DUMP SCOW (NON-DREDGING)	1.06	1.02	1.01	1.00	0.99	0.95	0.92	0.90	0.89	0.85	0.81	0.78	0.75	0.72	0.71	0.71	0.69	0.67
M10	0.47	DRILL BARGE (NON-DREDGING)	1.06	1.02	1.01	1.00	0.98	0.95	0.91	0.90	0.88	0.85	0.80	0.77	0.74	0.71	0.70	0.70	0.68	0.66
M10	0.48	ALL OTHER BARGES (NON-DREDGING)	1.06	1.02	1.01	1.00	0.98	0.95	0.91	0.90	0.88	0.85	0.80	0.77	0.74	0.71	0.70	0.70	0.68	0.66
M10	0.51	BOATS & LAUNCHES, 0 THRU 250 HP	1.06	1.03	1.01	1.00	0.98	0.95	0.91	0.89	0.88	0.84	0.79	0.76	0.72	0.69	0.68	0.68		
M10	0.53	BOATS & LAUNCHES, 251 THRU 500 HP	1.06	1.03	1.01	1.00	0.98	0.95	0.91	0.89	0.88	0.84	0.79	0.76	0.72	0.69	0.68	0.68	0.66	0.64
M10	0.54	TUGS, 501 THRU 1,000 HP	1.06	1.02	1.01	1.00	0.98	0.95	0.91	0.90	0.88	0.85	0.80	0.77	0.74	0.71	0.70	0.70	0.68	0.66
M10	0.55	TUGS, 1,000 THRU 2,000 HP	1.06	1.02	1.01	1.00	0.99	0.95	0.92	0.90	0.89	0.85	0.81	0.78	0.75	0.72	0.71	0.71	0.69	0.67
P10	0.00	PILE HAMMER ACCESSORIES - EXTRACTORS & BOX LEADS	1.08	1.03	1.02	1.00	0.97	0.95												
P20	0.00	PILE HAMMERS, DOUBLE ACTING																		
P20	0.10	DIESEL	1.07	1.03	1.02	1.00	0.97	0.95												

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 9	Life in Years																	
			Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		TYPE OF EQUIPMENT	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
P20	0.20	STEAM	1.07	1.03	1.02	1.00	0.98	0.96												
P25	0.00	PILE HAMMERS, SINGLE ACTING																		
P25	0.10	DIESEL	1.07	1.03	1.02	1.00	0.98	0.96												
P25	0.20	STEAM	1.06	1.03	1.02	1.00	0.98	0.96												
P30	0.00	PILE HAMMERS, DRIVER/ EXTRACTOR, VIBRATORY	1.07	1.03	1.02	1.00	0.98	0.96												
P35	0.00	PIPELAYERS	1.08	1.05	1.03	1.00	0.98	0.96	0.93	0.90	0.86	0.81	0.79	0.77	0.74	0.69	0.64	0.62	0.62	
P40	0.00	PLATFORMS & MAN-LIFTS	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91										
P45	0.00	PUMPS, GROUT	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91										
P50	0.00	PUMPS, WATER, CENTRIFUGAL, TRASH																		
P50	0.11	SKID MOUNTED, ENGINE DRIVE	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91										
P50	0.12	SKID MOUNTED, ELECTRIC DRIVE	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91										
P50	0.21	WHEEL MOUNTED, ENGINE DRIVE	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91										
P50	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91										
P50	0.31	HOSES, PUMP, SUCTION & DISCHARGE	1.06	1.03	1.02	1.00														
P55	0.00	PUMPS, WATER, SUBMERSIBLE																		
P55	0.01	ENGINE DRIVE	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91										
P55	0.02	ELECTRIC DRIVE	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91										
P60	0.00	PUMPS, WATER, CENTRIFUGAL, DEWATERING																		
P60	0.11	SKID MOUNTED, ENGINE DRIVE	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91										
P60	0.12	SKID MOUNTED, ELECTRIC DRIVE	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91										
P60	0.21	WHEEL MOUNTED, ENGINE DRIVE	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91										
P60	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91										
P65	0.00	PUMPS, WATER, DIAPHRAGM																		
P65	0.11	SKID MOUNTED, ENGINE DRIVE	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91										
P65	0.12	SKID MOUNTED, ELECTRIC DRIVE	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91										
P65	0.21	WHEEL MOUNTED, ENGINE DRIVE	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91										
P65	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91										

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 9	Life in Years																	
			Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		TYPE OF EQUIPMENT	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
P70	0.00	PUMPS, WATER (FOR CORE DRILLS)																		
P70	0.01	ENGINE DRIVE	1.07	1.03	1.02	1.00	0.98	0.95	0.93	0.90										
P70	0.02	ELECTRIC DRIVE	1.07	1.03	1.02	1.00	0.98	0.95	0.93	0.90										
R10	0.00	RIPPERS & HYDRAULIC BANK SLOPERS(no point wear included)	1.09	1.05	1.03	1.00	0.98	0.96	0.93	0.89										
R15	0.00	ROLLERS, STATIC, TOWED, PNEUMATIC	1.05	1.01	1.03	1.00	0.98	0.97	0.95	0.92	0.86	0.86								
R20	0.00	ROLLERS, STATIC, TOWED, STEEL DRUM	1.05	1.01	1.03	1.00	0.98	0.97	0.95	0.92	0.86	0.86								
R30	0.00	ROLLERS, STATIC, SELF-PROPELLED																		
R30	0.01	PNEUMATIC	1.04	1.01	1.02	1.00	0.98	0.97	0.95	0.92										
R30	0.02	SMOOTH DRUM	1.04	1.01	1.02	1.00	0.98	0.97	0.95	0.92	0.87	0.86								
R30	0.03	TAMPING FOOT, LANDFILL & SOIL COMPACTORS	1.05	1.01	1.02	1.00	0.98	0.97	0.95	0.92	0.86	0.86	0.91	0.90						
R40	0.00	ROLLERS, VIBRATORY, TOWED	1.05	1.01	1.03	1.00	0.98	0.97	0.94	0.91										
R45	0.00	ROLLERS, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM	1.05	1.01	1.03	1.00	0.98	0.97	0.94	0.91										
R50	0.00	ROLLERS, VIBRATORY, SELF-PROPELLED, SINGLE DRUM	1.05	1.01	1.03	1.00	0.98	0.97	0.94	0.91										
R55	0.00	ROOFING EQUIPMENT	1.06	1.03	1.02	1.00	0.98	0.96												
S10	0.00	SCRAPERS, ELEVATING																		
S10	0.01	0 THRU 200 HP	1.09	1.05	1.03	1.00	0.97	0.96	0.90	0.88	0.85	0.79	0.76	0.73						
S10	0.02	OVER 200 HP	1.09	1.06	1.03	1.00	0.97	0.96	0.90	0.88	0.85	0.79	0.76	0.73	0.70	0.66				
S15	0.00	SCRAPERS, CONVENTIONAL	1.09	1.05	1.03	1.00	0.97	0.96	0.90	0.88	0.86	0.80	0.77	0.74	0.72	0.68	0.66	0.63	0.62	
S20	0.00	SCRAPERS, TANDEM POWERED	1.09	1.05	1.03	1.00	0.97	0.96	0.90	0.88	0.86	0.80	0.77	0.74	0.72	0.68	0.66	0.63	0.62	
S25	0.00	SCRAPERS, TRACTOR DRAWN	1.09	1.05	1.03	1.00	0.97	0.96	0.90	0.88	0.85	0.79	0.76	0.73						
S30	0.00	SCREENING & CRUSHING PLANTS																		
S30	0.10	CONVEYORS	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.92	0.90	0.88								
S30	0.20	CRUSHERS - VERTICAL & HORIZONTAL SHAFT IMPACTOR	1.06	1.02	1.01	1.00	0.98	0.96	0.94	0.92	0.91	0.88	0.86	0.83	0.80	0.76	0.74	0.73	0.72	0.71
S30	0.21	CRUSHERS - CONE	1.06	1.02	1.01	1.00	0.98	0.96	0.94	0.92	0.91	0.88	0.86	0.83	0.80	0.76	0.74	0.73	0.72	0.71
S30	0.22	CRUSHERS - JAW	1.06	1.02	1.01	1.00	0.98	0.96	0.94	0.92	0.91	0.88	0.86	0.83	0.80	0.76	0.74	0.73	0.72	0.71
S30	0.30	SCREENING PLANT	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.92	0.90	0.88								
S35	0.00	SNOW REMOVAL EQUIPMENT	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91										

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 9	Life in Years																	
			Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		TYPE OF EQUIPMENT	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
S40	0.00	SOIL & ROAD STABILIZERS	1.10	1.06	1.04	1.00	0.97	0.95												
S45	0.00	SPLITTERS, ROCK & CONCRETE	1.07	1.03	1.02	1.00	0.98	0.96												
T10	0.00	TRACTOR BLADES & ATTACHMENTS	1.09	1.05	1.03	1.00	0.98	0.96	0.93	0.89	0.86	0.80								
T15	0.00	TRACTORS, CRAWLER (DOZER) (includes blade)																		
T15	0.01	0 THRU 225 HP	1.09	1.05	1.04	1.00	0.98	0.96	0.92	0.89	0.85	0.79	0.76	0.74						
T15	0.02	226 HP THRU 425 HP	1.08	1.05	1.03	1.00	0.98	0.96	0.93	0.90	0.86	0.81	0.79	0.76	0.73	0.69	0.64	0.61	0.61	0.62
T15	0.03	OVER 425 HP	1.08	1.04	1.03	1.00	0.98	0.97	0.93	0.90	0.87	0.82	0.80	0.77	0.75	0.70	0.66	0.63	0.63	0.63
T20	0.00	TRACTORS, WHEEL TYPE (DOZER)	1.09	1.05	1.03	1.00	0.98	0.96	0.96	0.95	0.92	0.90	0.88	0.87						
T25	0.00	TRACTORS, AGRICULTURAL																		
T25	0.10	CRAWLER	1.09	1.05	1.03	1.00	0.98	0.96	0.96	0.95	0.92	0.90								
T25	0.20	WHEEL	1.09	1.05	1.03	1.00	0.98	0.96	0.96	0.95										
T30	0.00	TRENCHERS, CHAIN TYPE CUTTER	1.10	1.06	1.04	1.00	0.96	0.94	0.93	0.90										
T35	0.00	TRENCHERS, WHEEL TYPE CUTTER	1.10	1.06	1.04	1.00	0.96	0.94	0.93	0.90										
T40	0.00	TRUCK OPTIONS																		
T40	0.10	CRANES / HOISTS, PERSONNEL & MATERIAL HANDLING	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91										
T40	0.20	DUMP BODY, REAR	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.91										
T40	0.30	FLATBEDS, WITH SIDES	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91										
T40	0.41	HOIST, ELECTRIC DRIVE	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91										
T40	0.50	TRANSIT MIXERS	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91										
T40	0.60	WATER TANKS	1.07	1.03	1.02	1.00	0.98	0.95	0.93	0.90										
T40	0.70	ALL OTHER OPTIONS	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91										
T45	0.00	TRUCK TRAILERS																		
T45	0.10	BOTTOM DUMP	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.92	0.90	0.88								
T45	0.20	END DUMP	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.92	0.90	0.88								
T45	0.30	PUP TRAILER	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.91										
T45	0.41	LOWBOY, RIGID NECK, DROP DECK	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.92	0.90	0.88								
T45	0.50	FLATBED TRAILER	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.92	0.90	0.88								

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 9	Life in Years																	
			Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		TYPE OF EQUIPMENT	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
T45	0.60	MISCELLANEOUS / UTILITY	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.92	0.90	0.88								
T45	0.70	WATER TANKER TRAILER	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.90	0.89	0.86								
T45	0.80	DECONTAMINATION FACILITY	1.07	1.03	1.02	1.00	0.98	0.95	0.93	0.90										
T45	0.90	TANK TRAILERS	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.90	0.89	0.86								
T50	0.00	TRUCKS, HIGHWAY (add attachments as required)																		
T50	0.01	0 THRU 10,000 GVW	1.04	1.00	1.03	1.00	1.01	1.03	1.02	0.99										
T50	0.02	OVER 10,000 THRU 30,000 GVW(CHASSIS ONLY-ADD OPTIONS)	1.04	1.00	1.02	1.00	1.01	1.03	1.02	0.99	0.95	0.90								
T50	0.03	OVER 30,000 GVW (CHASSIS ONLY-ADD OPTIONS)	1.04	1.00	1.02	1.00	1.01	1.03	1.02	0.99	0.95	0.90	0.85	0.82						
T55	0.00	TRUCKS, OFF-HIGHWAY																		
T55	0.10	RIGID FRAME	1.07	1.03	1.01	1.00	0.99	0.96	0.93	0.88	0.85	0.84	0.83	0.81	0.77	0.72	0.68	0.67	0.67	0.66
T55	0.20	ARTICULATED FRAME	1.07	1.03	1.01	1.00	0.99	0.96	0.92	0.87	0.84	0.83								
T56	0.00	TRUCKS,OFF-HIGHWAY/PRIME MOVER TRACTORS & WAGONS																		
T56	0.10	PRIME MOVER TRACTORS	1.07	1.03	1.01	1.00	0.99	0.96	0.93	0.88	0.85	0.84	0.83	0.81	0.77	0.72	0.68	0.67	0.67	0.66
T56	0.20	WAGONS, BOTTOM DUMP	1.07	1.03	1.01	1.00	0.99	0.96	0.92	0.87	0.84	0.83	0.82	0.80	0.75	0.69	0.66			
T56	0.30	WAGONS, REAR DUMP	1.07	1.04	1.01	1.00	0.99	0.96	0.92	0.86	0.84	0.83	0.82	0.79						
T57	0.00	TRUCKS, VACUUM	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.89	0.87								
T60	0.00	TRUCKS, WATER, OFF-HIGHWAY	1.07	1.04	1.01	1.00	0.99	0.96	0.92	0.86	0.84	0.83	0.82	0.79						
T65	0.00	TUNNEL/MINING EQUIPMENT																		
T65	0.10	DRIFTING & TUNNELING DRILLS	1.07	1.03	1.02	1.00	0.98	0.97	0.93	0.91	0.89	0.87	0.86	0.83	0.80	0.75				
T65	0.20	TUNNEL BORING MACHINES	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.92	0.90	0.88	0.85	0.83	0.79	0.75	0.73	0.72	0.71	0.70
T65	0.30	PRODUCTION DRILLING RIGS	1.07	1.03	1.02	1.00	0.98	0.97	0.93	0.91	0.89	0.87	0.86	0.83						
T65	0.40	ROADHEADERS & CONTINUOUS MINERS	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.91	0.90	0.88	0.85	0.82	0.79	0.75	0.73	0.71		
T65	0.50	ROCK BOLTING EQUIPMENT	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.89	0.87								
T65	0.61	LOADING & HAULING EQUIPMENT, DIESEL OR GAS	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.85	0.82	0.79	0.75	0.72	0.71		
T65	0.62	LOADING & HAULING EQUIPMENT, ELECTRIC	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.85	0.82	0.79	0.75	0.72	0.71		
T65	0.63	LOADING & HAULING EQUIPMENT, AIR-POWERED	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.84	0.82	0.78	0.74	0.72	0.70		
T65	0.70	LOCOMOTIVES	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.84	0.82						

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 9	Life in Years																	
			Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		TYPE OF EQUIPMENT	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
T65	0.90	OTHER TUNNELING EQUIPMENT	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.85	0.82	0.79	0.75	0.72	0.71		
W10	0.00	WAGONS, BOTTOM DUMP	1.07	1.03	1.01	1.00	0.99	0.96	0.92	0.87	0.84	0.83	0.82	0.80						
W15	0.00	WAGONS, REAR DUMP	1.07	1.03	1.01	1.00	0.99	0.96	0.92	0.87	0.84	0.83	0.82	0.80						
W25	0.00	WATER & CO2 BLASTERS																		
W25	0.10	LOW PRESSURE, (< 5,000 PSI)	1.07	1.03	1.02	1.00														
W25	0.20	HIGH PRESSURE, (>= 5,000 PSI)	1.07	1.03	1.02	1.00														
W25	0.30	STEAM CLEANERS	1.07	1.03	1.02	1.00														
W25	0.40	CO2 BLASTERS	1.07	1.03	1.02	1.00	0.98	0.96												
W30	0.00	WATER TANKS																		
W30	0.10	PORTABLE WITH WHEELS	1.07	1.04	1.01	1.00	0.99	0.96	0.92	0.86	0.84	0.83	0.82	0.79						
W30	0.20	SKID MOUNTED	1.07	1.04	1.01	1.00	0.99	0.96	0.92	0.86	0.84	0.83	0.82	0.79						
W35	0.00	WELDERS																		
W35	0.10	ENGINE DRIVEN	1.07	1.03	1.02	1.00	0.98	0.95	0.93	0.90										
W35	0.20	ELECTRIC DRIVEN	1.07	1.03	1.02	1.00	0.98	0.96												

TOTAL HOURLY RATE CALCULATION FOR OVERAGE EQUIPMENT

EXAMPLE

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

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

B. The equipment is contractor-owned.

C. Data for the unit in question:

1. Clark front-end wheel loader
2. Model 125C, 4WD, 4 CY capacity
3. Serial number indicates year of manufacture = 1986
4. Actual purchase price in 1986 = $168,280
   (includes all regional discounts, sales tax and freight)
5. Horsepower is 203 hp (fuel is Diesel off-road)
6. Drive tire (DT) size = 23.50 x 25, 16 Ply, L-3
   DT cost (2001) = 4 tires x $1,734 = $6,936

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

1. The category L40 subcategory 0.11 (wheel loaders < 225 hp)
2. The year corresponding to the last age adjustment factor = 1995

E. Adjust the actual purchase price:

1. Economic Indexes from Appendix E (wheel loaders EK = 45)
   a. For 1995 (first year of economic life), the economic index = 5101
   b. For 1986 (year of manufacture), the economic index = 3991

2. Purchase price [total equipment value (TEV)] indexed to 1995 (first year of economic life): (Purchase price includes discount, sales tax, and freight for this region).

   (5101/3991) x $168,280 = $215,083 (=1995 purchase price)

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

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

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

1. EQUIPMENT INFORMATION AND EXPENSE FACTORS

ID No: **N/A**

a. Equipment Specification Data:

(1)	Equipment Description:	Clark Front-End Wheel Loader	
(2)	Model and Series:	Model 125 C, 4WD, 4 CY capacity	
(3)	Present Year or Year of Use:		2001
(4)	Year Manufactured:		1986
(5)	Horsepower - Equipment:		203
(6)	Horsepower - Carrier:		N/A
(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	N/A
(8)	Shipping Weight (cwt):		

(9) Tire size and number of tires: (Cost of tires based on present year - see 1.a.(3) and Appendix F)

		Size/Ply	No.	Unit Price	Cost
(a)	Front (FT):	N/A	----	$ ------	$ ------
(b)	Drive (DT):	23.5X25/16 ply	4	$ 1,734	$ 6,936
(c)	Trailing (TT):	N/A	----	$ ------	$ ------
(d)	Total Tire Cost:				$ 6,936

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):	Average or Severe	AVERAGE
(3)	Discount Code (DC): B = 7.5% (0.075) - or - S = 15.0% (0.15)		0.075
(4)	Life in Hours (LIFE):		10,000
(5)	Salvage Value Percentage (SLV):		0.25
(6)	Fuel Factor - Equipment [Electric (E) Gas (G) Diesel (D)]:	D	0.033
(7)	Fuel Factor - Carrier (E G D):		N/A
(8)	Filter, Oil, and Grease (FOG) Factor (E G D):		0.445
(9)	Tire Wear Factor:		
	(a) Front (FT):		N/A
	(b) Drive (DT):		0.42
	(c) Trailing (TT):		N/A
(10)	Repair Cost Factor (RCF):		0.70

Page 1 of 6

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

2. EQUIPMENT VALUE

a. List Price + Accessories: *[at Year (yr) of Manufacture]* =$ ------

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

($ ------) x (------) =-($ ------)

(2) Subtotal [2.a.] - [2.a.(1)] Subtotal =$ ------

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

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

(4) Total Discounted Price: Subtotal: [2.a.(2)] + [2.a.(3)] Subtotal =$ ------

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

(------ cwt) x ($ ------ /cwt) =+$ ------

c. TOTAL EQUIPMENT VALUE (TEV): **TOTAL [2.]: =$** 215,083
[(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]

(10,000 hr) / (1,040 hr/yr) = 9.62 yr(N)

4. OWNERSHIP COST

a. Depreciation

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

(2559) / (2449) = 1.04 (TCI)
(for 1995) (for 2001)

(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)]

[($ 215,083) x [1.0 – (0.25)] - [(1.04) x ($ 6,936)]] / (10,000 hr)

=$ 15.41 /hr

Page 2 of 6

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

4. OWNERSHIP COST (Continued)

b. Facilities Capital Cost of Money (FCCM):

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

[[(9.62 yr) - 1.0] x [1.0 + (0.25)] + 2.0] / [2.0 x (9.62 yr)] = 0.664 (AVF)

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

($ 215,083) x (0.664) x (0.051) / (1,040 hr/yr)

=$ 7.00 /hr

c. **TOTAL HOURLY OWNERSHIP COST:** **TOTAL [4.]: =$** 22.41 /hr
[4.a.(2)] + [4.b.(2)]

5. OPERATING COST

a. Fuel Costs:

(1) Equipment:

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

(0.033) x (203 hp) x ($ 1.16 /gal) =$ 7.77 /hr

(2) Carrier:

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

(------) x (------ hp) x ($ ------ /gal) =$ ------ /hr

(3) Total Hourly Fuel Cost: **Total [5.a.]** =$ 7.77 /hr
[(5.a (1)] + [5.a (2)]

b. FOG Cost:

(1) Equipment:

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

(0.445) x ($ 7.77 /hr) x (1.22) =$ 4.22 /hr

Page 3 of 6

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

5. OPERATING COST (Continued)

(2) Carrier:

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

(------) x ($ ------ /hr) x (------) =$ ------ /hr

(3) Total Hourly FOG Cost: **Total [5.b.]** =$ 4.22 /hr
[(5.b.(1)] + [5.b.(2)]

c. Alternative Fuel/FOG Cost: **Total [5.c.]** =$ ------ /hr
(See chapter 2, paragraph 24.d. for guidance on when to use.)

d. Repair Cost:

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

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

(5745) / (5101) = 1.126 (EAF)
(for 2001) (for 1995*)
**(See table 3-1 for last year of economic life.)*

(2) Repair Factor (RF):

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

(0.70) x (1.126) x (1.22) = 0.962 (RF)

(3) Repair Cost

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

[($ 215,083) - [(1.04) x ($ 6,936)]] x (0.962) / (10,000)

(4) Total Hourly Repair Cost: **Total [5.d.]** =$ 20.00 /hr

Page 4 of 6

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):

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

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

=$ ------ /hr

(2) Drive Tires (DT):

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

[1.5 x ($ 6,936)] / [1.8 x (0.42) x (3,200 hr)]

=$ 4.30 /hr

(3) Trailing Tires (TT):

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

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

=$ ------ /hr

(4) Total Tire Wear Cost: **Total [5.e.]** =$ 4.30 /hr
[Sum 5.e.(1) through 5.e.(3)]

f. Tire Repair Cost:

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

($ 4.30 /hr x 0.15 x (1.22) **Total [5.f.]** =$ 0.79 /hr

g. TOTAL HOURLY OPERATING COST: **TOTAL [5.]: =$** 37.08 **/hr**
[Sum 5.a. through 5.f.]

Page 5 of 6

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)
[4.c.] [5.g.]

($ 22.41 /hr) + ($ 37.08 /hr) =$ 59.49 /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)]

=$ **N/A** /hr

c. Standby Hourly Rate:

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

[($ ------ /hr) x 0.50] + ($ ------ /hr) =$ **N/A** /hr

See Chapter 3 if rate adjustments are necessary.

Page 6 of 6

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 “life” 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 9	Life in Years																	
			Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		TYPE OF EQUIPMENT	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
A10	0.00	AGGREGATE / CHIP SPREADERS																		
A10	0.10	SELF-PROPELLED	1.08	1.04	1.02	1.00	0.97	0.94	0.92	0.89	0.88	0.85	0.85	0.81	0.78	0.75	0.73	0.72	0.72	0.70
A10	0.20	TOWED & TAILGATE	1.08	1.04	1.02	1.00	0.97	0.94	0.92	0.89	0.87	0.84	0.85	0.80	0.77	0.75	0.73	0.71	0.71	0.69
A15	0.00	AIR COMPRESSORS, PORTABLE																		
A15	0.10	ROTARY SCREW	1.02	1.00	1.00	1.00	1.00	0.99	0.99	0.97	0.97	0.97	0.94	0.94	0.90	0.86	0.82	0.82	0.82	0.80
A15	0.20	SHOP TYPE	1.02	1.00	1.00	1.00	1.00	0.99	0.99	0.97	0.97	0.97	0.94	0.94	0.91	0.86	0.83	0.82	0.83	0.80
A20	0.00	AIR HOSE, TOOLS & EQUIPMENT																		
A20	0.10	AIR HOSE	1.02	1.00	1.00	1.00	1.00	0.99	0.99	0.97	0.97	0.97	0.94	0.94	0.91	0.86	0.83	0.82	0.83	0.80
A20	0.20	SANDBLAST HOSE	1.02	1.00	1.00	1.00	1.00	0.99	0.99	0.97	0.97	0.97	0.94	0.94	0.91	0.86	0.83	0.82	0.83	0.80
A20	0.30	SANDBLASTERS, BREAKERS, & MISC. AIR TOOLS	1.02	1.00	1.00	1.00	1.00	0.99	0.99	0.97	0.97	0.97	0.94	0.94	0.90	0.86	0.82	0.82	0.83	0.80
A25	0.00	ASPHALT PAVING DISTRIBUTORS	1.07	1.04	1.01	1.00	0.97	0.94	0.92	0.90	0.88	0.85	0.86	0.82	0.79	0.76	0.74	0.73	0.73	0.71
A30	0.00	ASPHALT PAVERS & MISCELLANEOUS ROAD EQUIPMENT																		
A30	0.10	SELF PROPELLED	1.07	1.04	1.01	1.00	0.97	0.94	0.92	0.90	0.88	0.85	0.85	0.81	0.78	0.76	0.74	0.73	0.73	0.71
A30	0.20	TOWED	1.07	1.04	1.01	1.00	0.97	0.94	0.92	0.90	0.88	0.85	0.85	0.81	0.78	0.76	0.74	0.73	0.73	0.70
A30	0.30	SLURRY SEAL PAVERS (COLD MIX)	1.07	1.04	1.01	1.00	0.97	0.94	0.92	0.90	0.88	0.85	0.86	0.82	0.79	0.76	0.74	0.73	0.73	0.71
A30	0.40	MISCELLANEOUS ROAD EQUIPMENT	1.07	1.04	1.01	1.00	0.97	0.94	0.92	0.90	0.88	0.85	0.85	0.81	0.78	0.76	0.74	0.73	0.73	0.70
A35	0.00	ASPHALT PAVING KETTLES	1.08	1.04	1.02	1.00	0.97	0.94	0.92	0.89	0.87	0.84	0.85	0.80	0.77	0.75	0.73	0.71	0.71	0.69
A40	0.00	ASPHALT & CONCRETE MILLERS / PROFILERS / PLANERS	1.08	1.04	1.02	1.00	0.97	0.94	0.92	0.89	0.87	0.84	0.85	0.80	0.77	0.75	0.73	0.71	0.71	0.69
A45	0.00	ASPHALT RECYCLERS & SEALERS	1.08	1.04	1.02	1.00	0.97	0.94	0.91	0.89	0.87	0.84	0.84	0.80	0.77	0.74	0.72	0.71	0.71	0.68
B10	0.00	BATCH PLANTS (ASPHALT & CONCRETE)																		
B10	0.10	ASPHALT	1.08	1.04	1.02	1.00	0.97	0.94	0.92	0.89	0.88	0.85	0.85	0.81	0.78	0.75	0.73	0.72	0.72	0.70
B10	0.20	CONCRETE	1.08	1.04	1.02	1.00	0.97	0.94	0.92	0.89	0.88	0.85	0.85	0.81	0.78	0.75	0.73	0.72	0.72	0.70
B10	0.30	PUGMILL	1.07	1.04	1.01	1.00	0.97	0.94	0.92	0.90	0.88	0.85	0.85	0.81	0.78	0.76	0.74	0.73	0.73	0.70
B15	0.00	BROOMS, STREET SWEEPERS & FLUSHERS	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.83	0.80	0.76	0.74	0.72	0.71	0.70
B20	0.00	BRUSH CHIPPERS	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.83	0.80	0.76	0.74	0.72	0.71	0.70
B25	0.00	BUCKETS, CLAMSHELL	1.03	1.00	1.01	1.00	0.99	0.98	0.96	0.96	0.96	0.92	0.84	0.80	0.75	0.69	0.67	0.66	0.65	0.64
B30	0.00	BUCKETS, CONCRETE																		

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 9	Life in Years																	
			Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		TYPE OF EQUIPMENT	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
B30	0.10	GENERAL PURPOSE, MANUAL TRIP	1.03	1.00	1.01	1.00	0.99	0.98	0.96	0.96	0.96	0.92	0.85	0.81	0.76	0.70	0.68	0.67	0.66	0.64
B30	0.20	LAYDOWN	1.03	1.00	1.01	1.00	0.99	0.98	0.96	0.96	0.96	0.92	0.85	0.81	0.76	0.70	0.68	0.67	0.66	0.64
B30	0.30	LOWBOY	1.03	1.00	1.01	1.00	0.99	0.98	0.96	0.96	0.96	0.92	0.85	0.81	0.76	0.70	0.68	0.67	0.66	0.64
B30	0.40	LOW SLUMP	1.03	1.00	1.01	1.00	0.99	0.98	0.96	0.96	0.96	0.92	0.85	0.81	0.76	0.70	0.68	0.67	0.66	0.64
B35	0.00	BUCKETS, DRAGLINE																		
B35	0.10	LIGHT WEIGHT	1.03	1.00	1.01	1.00	0.99	0.98	0.96	0.96	0.96	0.92	0.84	0.80	0.75	0.69	0.67	0.66	0.65	0.64
B35	0.20	MEDIUM WEIGHT	1.03	1.00	1.01	1.00	0.99	0.98	0.96	0.96	0.96	0.92	0.84	0.81	0.76	0.69	0.67	0.67	0.65	0.64
B35	0.30	HEAVY WEIGHT	1.03	1.00	1.01	1.00	0.99	0.98	0.96	0.96	0.96	0.92	0.85	0.81	0.76	0.69	0.68	0.67	0.66	0.64
C05	0.00	CHAIN SAWS	1.06	1.03	1.02	1.00	0.98	0.96	0.94	0.91	0.90	0.88	0.85	0.82	0.79	0.75	0.73	0.71	0.70	0.69
C10	0.00	COMPACTORS, WALK-BEHIND OR REMOTE CONTROLLER																		
C10	0.10	COMPACTORS, RAMMERS / TAMPERS & VIBRATORY PLATES	1.06	1.02	1.01	1.00	0.98	0.96	0.94	0.92	0.91	0.88	0.86	0.83	0.80	0.76	0.74	0.72	0.72	0.70
C10	0.20	ROLLERS, VIBRATORY	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.84	0.82	0.78	0.74	0.72	0.70	0.69	0.68
C15	0.00	CONCRETE CLEANERS / BLASTERS	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.89	0.87	0.84	0.81	0.77	0.73	0.71	0.69	0.68	0.66
C20	0.00	CONCRETE BUGGIES	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.89	0.87	0.84	0.81	0.77	0.73	0.71	0.69	0.68	0.66
C25	0.00	CONCRETE FINISHERS/SCREEDS/SPREADERS																		
C25	0.10	FINISHERS/TROWELS	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.89	0.87	0.84	0.81	0.78	0.73	0.71	0.69	0.68	0.67
C25	0.20	VIBRATORY SCREED	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.89	0.87	0.84	0.81	0.78	0.73	0.71	0.69	0.68	0.67
C25	0.25	VIBRATORY LASER SCREED	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.89	0.87	0.84	0.81	0.77	0.73	0.71	0.69	0.68	0.67
C25	0.30	MATERIAL/TOPPING SPREADERS	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.89	0.87	0.84	0.81	0.77	0.73	0.71	0.69	0.68	0.67
C30	0.00	CONCRETE GRINDERS	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.89	0.87	0.84	0.81	0.78	0.73	0.71	0.69	0.68	0.67
C35	0.00	CONCRETE GUNITERS / SHOTCRETERS	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.89	0.87	0.84	0.81	0.78	0.73	0.71	0.69	0.68	0.67
C40	0.00	CONCRETE MIXING UNITS	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.89	0.87	0.84	0.81	0.78	0.73	0.71	0.69	0.68	0.67
C45	0.00	CONCRETE PAVING MACHINES	1.08	1.04	1.02	1.00	0.97	0.94	0.92	0.89	0.87	0.84	0.85	0.80	0.77	0.75	0.73	0.71	0.71	0.69
C55	0.00	CONCRETE PUMPS	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.83	0.80	0.76	0.74	0.72	0.71	0.70
C60	0.00	CONCRETE SAWS (sawblade wear not included)	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.92	0.90	0.88	0.85	0.83	0.79	0.76	0.73	0.72	0.71	0.70
C65	0.00	CONCRETE VIBRATORS	1.02	1.00	1.00	1.00	1.00	0.99	0.99	0.97	0.97	0.97	0.94	0.94	0.90	0.86	0.82	0.82	0.82	0.80
C70	0.00	CRANES, GANTRY & STRADDLE																		

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 9	Life in Years																	
			Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		TYPE OF EQUIPMENT	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
C75	0.00	CRANES, HYDRAULIC, SELF-PROPELLED	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.86	0.82	0.79	0.75	0.70	0.68	0.66	0.64	0.63
C80	0.00	CRANES, HYDRAULIC, TRUCK MOUNTED																		
C80	0.01	UNDER 26 TON	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.82	0.79	0.75	0.70	0.68	0.66	0.64	0.63
C80	0.02	26 TON THRU 65 TON	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.91	0.87	0.82	0.79	0.76	0.70	0.68	0.66	0.64	0.63
C80	0.03	66 TON THRU 125 TON	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.91	0.87	0.82	0.79	0.76	0.70	0.69	0.67	0.65	0.64
C80	0.04	OVER 125 TON	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.92	0.91	0.87	0.82	0.80	0.76	0.71	0.69	0.67	0.65	0.64
C85	0.00	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER MOUNTED																		
C85	0.11	DRAGLINE, CLAMSHELL, 0 THRU 1.0 CY	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.86	0.81	0.78	0.75	0.69	0.67	0.65	0.63	0.62
C85	0.12	DRAGLINE, CLAMSHELL, OVER 1.0 CY THRU 2.5 CY	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.86	0.82	0.79	0.75	0.70	0.68	0.66	0.64	0.63
C85	0.13	DRAGLINE, CLAMSHELL, OVER 2.5 CY THRU 5.0 CY	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.82	0.79	0.75	0.70	0.68	0.66	0.64	0.63
C85	0.14	DRAGLINE, CLAMSHELL, OVER 5.0 CY	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.91	0.87	0.82	0.79	0.76	0.70	0.69	0.66	0.65	0.64
C85	0.21	LIFTING, 0 THRU 25 TON	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.86	0.82	0.79	0.75	0.70	0.68	0.66	0.64	0.63
C85	0.22	LIFTING, 26 TON THRU 50 TON	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.82	0.79	0.75	0.70	0.68	0.66	0.64	0.63
C85	0.23	LIFTING, 51 TON THRU 150 TON	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.91	0.87	0.82	0.79	0.76	0.70	0.69	0.67	0.65	0.64
C85	0.24	LIFTING, OVER 150 TON	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.92	0.91	0.87	0.82	0.80	0.76	0.71	0.69	0.67	0.65	0.64
C90	0.00	CRANES, MECHANICAL, LATTICE BOOM, TRUCK MOUNTED																		
C90	0.01	UNDER 26 TON	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.82	0.79	0.75	0.70	0.68	0.66	0.64	0.63
C90	0.02	26 TON THRU 65 TON	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.91	0.87	0.82	0.79	0.76	0.70	0.68	0.66	0.64	0.63
C90	0.03	66 TON THRU 125 TON	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.91	0.87	0.82	0.79	0.76	0.70	0.69	0.66	0.65	0.64
C90	0.04	OVER 125 TON	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.92	0.91	0.87	0.82	0.80	0.76	0.71	0.69	0.67	0.65	0.64
C95	0.00	CRANES, TOWER	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.82	0.79	0.75	0.70	0.68	0.66	0.64	0.63
D10	0.00	DRILLS,AIR/HYDRAULIC,CRWLR MTD,0" THRU 6.5" DIA HOLE	1.07	1.03	1.02	1.00	0.98	0.97	0.93	0.91	0.90	0.87	0.86	0.84	0.81	0.76	0.76	0.75	0.77	0.76
D15	0.00	DRILLS, HORIZONTAL BORING & GROUND PIERCING	1.07	1.03	1.02	1.00	0.98	0.97	0.93	0.91	0.89	0.87	0.86	0.83	0.80	0.76	0.75	0.75	0.76	0.75
D20	0.00	DRILLS, CORE, COLUMN MOUNTED	1.07	1.03	1.02	1.00	0.98	0.97	0.93	0.91	0.89	0.87	0.86	0.83	0.80	0.75	0.74	0.74	0.76	0.75
D25	0.00	DRILLS, CORE, SKID MOUNTED	1.07	1.03	1.02	1.00	0.98	0.97	0.93	0.91	0.89	0.87	0.86	0.83	0.80	0.76	0.75	0.75	0.76	0.75
D30	0.00	DRILLS, EARTH / AUGER	1.07	1.03	1.02	1.00	0.98	0.97	0.93	0.91	0.89	0.87	0.86	0.83	0.80	0.76	0.75	0.75	0.76	0.75
D35	0.00	DRILLS, ROTARY BLASTHOLE																		

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 9	Life in Years																	
			Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		TYPE OF EQUIPMENT	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
D35	0.11	DIESEL, 4.5" THRU 9.875" DIAMETER HOLE	1.07	1.03	1.02	1.00	0.98	0.97	0.93	0.91	0.90	0.88	0.87	0.84	0.81	0.76	0.76	0.76	0.77	0.76
D35	0.12	DIESEL, OVER 9.875" DIAMETER	1.06	1.03	1.02	1.00	0.99	0.97	0.93	0.91	0.90	0.88	0.87	0.84	0.82	0.77	0.77	0.76	0.78	0.77
D35	0.21	ELECTRIC, 4.5" THRU 9.875" DIAMETER HOLE	1.07	1.03	1.02	1.00	0.98	0.97	0.93	0.91	0.90	0.88	0.87	0.84	0.81	0.76	0.76	0.76	0.77	0.76
D35	0.22	ELECTRIC, OVER 9.875" DIAMETER	1.06	1.03	1.02	1.00	0.99	0.97	0.93	0.91	0.90	0.88	0.87	0.84	0.82	0.77	0.77	0.76	0.78	0.77
F10	0.00	FORK LIFTS	1.06	1.03	1.02	1.00	0.98	0.96	0.94	0.91	0.90	0.88	0.85	0.82	0.79	0.75	0.73	0.71	0.70	0.69
G10	0.00	GENERATOR SETS																		
G10	0.10	PORTABLE	1.04	1.00	1.00	1.00	0.99	1.00	0.99	0.96	0.95	0.93	0.92	0.91	0.88	0.83	0.78	0.77	0.77	0.74
G10	0.20	SKID MOUNTED	1.04	1.00	1.00	1.00	0.99	1.00	0.99	0.96	0.95	0.93	0.92	0.91	0.88	0.83	0.78	0.77	0.77	0.74
G15	0.00	GRADERS, MOTOR	1.09	1.05	1.03	1.00	0.97	0.96	0.91	0.89	0.86	0.81	0.78	0.76	0.73	0.69	0.67	0.64	0.64	0.62
H10	0.00	HAMMERS, HYDRAULIC (DEMOLITION TOOL)	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.84	0.81	0.78	0.74	0.72	0.70	0.69	0.68
H13	0.00	HAZARDOUS/TOXIC WASTE EQUIPMENT																		
H13	0.11	COMPACTORS (COMPRESSION FORCE) 0 THRU 50 TONS	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.92	0.90	0.88	0.85	0.83	0.79	0.76	0.73	0.72	0.71	0.70
H13	0.12	COMPACTORS (COMPRESSION FORCE) OVER 50 TONS	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.92	0.90	0.88	0.85	0.83	0.79	0.76	0.73	0.72	0.71	0.70
H13	0.21	FILTER PRESSES, STATIONARY	1.06	1.03	1.02	1.00	0.98	0.96	0.94	0.91	0.90	0.88	0.85	0.82	0.79	0.75	0.73	0.71	0.70	0.69
H13	0.22	FILTER PRESSES, MOBILE	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.92	0.90	0.88	0.85	0.83	0.79	0.76	0.73	0.72	0.71	0.70
H13	0.30	CENTRIFUGES	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.89	0.87	0.84	0.81	0.77	0.73	0.71	0.69	0.68	0.66
H13	0.40	SHREDDERS	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.92	0.90	0.88	0.85	0.83	0.79	0.76	0.73	0.72	0.71	0.70
H13	0.51	SOIL TREATMENT PLANT, MOBILE	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.92	0.90	0.88	0.85	0.83	0.79	0.76	0.73	0.72	0.71	0.70
H13	0.61	SLUDGE PROCESSING EQUIP, SLUDGE DISPENSERS	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.92	0.90	0.88	0.85	0.83	0.79	0.76	0.73	0.72	0.71	0.70
H13	0.71	WASTE HANDLING EQUIPMENT, DRUM HANDLING	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.84	0.82	0.78	0.74	0.72	0.70	0.69	0.68
H15	0.00	HEATERS, SPACE																		
H20	0.00	HOISTS & AIR WINCHES	1.06	1.03	1.02	1.00	0.98	0.96	0.94	0.91	0.90	0.88	0.85	0.82	0.79	0.75	0.73	0.71	0.70	0.69
H25	0.00	HYDRAULIC EXCAVATORS, CRAWLER MOUNTED																		
H25	0.11	0 LBS THRU 40,000 LBS	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.85	0.80	0.77	0.73	0.67	0.65	0.63	0.61	0.60
H25	0.12	OVER 40,000 LBS THRU 100,000 LBS	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.86	0.81	0.78	0.74	0.68	0.66	0.64	0.62	0.61
H25	0.13	OVER 100,000 LBS THRU 160,000 LBS	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.82	0.79	0.75	0.70	0.68	0.66	0.64	0.63
H25	0.14	OVER 160,000 LBS	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.92	0.91	0.87	0.83	0.80	0.76	0.71	0.69	0.67	0.65	0.64

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 9	Life in Years																	
			Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		TYPE OF EQUIPMENT	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
H25	0.21	ATTACHMENTS, MOBILE SHEARS	1.06	1.03	1.02	1.00	0.98	0.96	0.94	0.91	0.90	0.88	0.85	0.82	0.79	0.75	0.72	0.71	0.70	0.69
H25	0.22	ATTACHMENTS, MATERIAL HANDLING	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.84	0.81	0.78	0.74	0.72	0.70	0.69	0.68
H25	0.23	ATTACHMENTS, CONCRETE PULVERIZERS	1.06	1.03	1.02	1.00	0.98	0.96	0.94	0.91	0.90	0.88	0.85	0.82	0.79	0.75	0.72	0.71	0.70	0.69
H25	0.24	ATTACHMENTS, COMPACTORS	1.06	1.03	1.02	1.00	0.98	0.96	0.94	0.91	0.90	0.88	0.85	0.82	0.79	0.75	0.72	0.71	0.70	0.69
H30	0.00	HYDRAULIC EXCAVATORS, WHEEL MOUNTED																		
H30	0.01	0 THRU 1.0 CY	1.06	1.02	1.01	1.00	0.98	0.95	0.92	0.90	0.89	0.85	0.80	0.77	0.73	0.66	0.64	0.62	0.60	0.59
H30	0.02	OVER 1.0 CY	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.85	0.80	0.77	0.73	0.67	0.65	0.63	0.61	0.60
H35	0.00	HYDRAULIC SHOVELS, CRAWLER MOUNTED																		
H35	0.11	DIESEL, 0 CY THRU 5.0 CY	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.82	0.79	0.75	0.70	0.68	0.66	0.64	0.63
H35	0.12	DIESEL, OVER 5.0 CY	1.05	1.02	1.01	1.00	0.98	0.96	0.94	0.92	0.91	0.88	0.83	0.81	0.77	0.72	0.70	0.68	0.67	0.66
H35	0.21	ELECTRIC, OVER 2.5 CY	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.82	0.79	0.75	0.70	0.68	0.66	0.64	0.63
L10	0.00	LAND CLEARING EQUIPMENT	1.08	1.05	1.03	1.00	0.98	0.97	0.93	0.90	0.86	0.82	0.79	0.77	0.74	0.69	0.65	0.62	0.62	0.62
L15	0.00	LANDSCAPING EQUIPMENT	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.84	0.82	0.78	0.74	0.72	0.70	0.69	0.68
L20	0.00	LIGHTING SETS, TRAILER MOUNTED																		
L20	0.10	METALLIC VAPOR	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.85	0.82	0.79	0.74	0.72	0.71	0.70	0.68
L25	0.00	LINE STRIPING EQUIPMENT	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.85	0.82	0.79	0.74	0.72	0.71	0.70	0.68
L30	0.00	LOADERS, BELT (CONVEYOR BELTS) & ACCESSORIES	1.06	1.03	1.02	1.00	0.98	0.96	0.94	0.91	0.90	0.88	0.85	0.82	0.79	0.75	0.73	0.71	0.70	0.69
L35	0.00	LOADERS, FRONT END, CRAWLER TYPE	1.08	1.05	1.03	1.00	0.98	0.96	0.93	0.90	0.86	0.81	0.79	0.76	0.73	0.69	0.64	0.61	0.61	0.62
L40	0.00	LOADERS, FRONT END, WHEEL TYPE																		
L40	0.11	ARTICULATED, 0 THRU 225 HP	1.07	1.03	1.02	1.00	0.98	0.97	0.94	0.91	0.89	0.87	0.84	0.82	0.79	0.76	0.73	0.71	0.71	0.70
L40	0.12	ARTICULATED, OVER 225 HP	1.07	1.03	1.02	1.00	0.98	0.97	0.94	0.92	0.90	0.87	0.85	0.83	0.80	0.77	0.74	0.72	0.72	0.71
L40	0.20	SKID STEER	1.07	1.03	1.02	1.00	0.98	0.97	0.94	0.91	0.89	0.87	0.84	0.82	0.79	0.76	0.73	0.71	0.71	0.70
L40	0.21	SKID STEER ATTACHMENTS	1.07	1.03	1.02	1.00	0.98	0.97	0.93	0.91	0.89	0.86	0.83	0.81	0.78	0.74	0.71	0.69	0.69	0.68
L40	0.31	TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP	1.07	1.03	1.02	1.00	0.98	0.97	0.94	0.91	0.89	0.87	0.84	0.82	0.79	0.76	0.73	0.71	0.71	0.70
L40	0.32	TOOL CARRIER & TELESCOPIC HANDLERS, OVER 225 HP	1.07	1.03	1.02	1.00	0.98	0.97	0.94	0.92	0.90	0.87	0.85	0.83	0.81	0.77	0.75	0.73	0.72	0.72
L45	0.00	LOADERS / BACKHOE, CRAWLER TYPE	1.08	1.05	1.03	1.00	0.98	0.96	0.93	0.90	0.86	0.81	0.79	0.76	0.73	0.69	0.64	0.61	0.61	0.62
L50	0.00	LOADERS / BACKHOE, WHEEL TYPE	1.07	1.03	1.02	1.00	0.98	0.97	0.94	0.91	0.89	0.87	0.84	0.82	0.79	0.76	0.73	0.71	0.71	0.70

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 9	Life in Years																	
			Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		TYPE OF EQUIPMENT	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
L55	0.00	LOADER / BACKHOE, ATTACHMENTS	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.84	0.81	0.78	0.74	0.72	0.70	0.69	0.68
L60	0.00	LOG SKIDDERS	1.08	1.05	1.03	1.00	0.98	0.96	0.96	0.95	0.92	0.90	0.88	0.87	0.84	0.83	0.81	0.80	0.80	0.76
M10	0.00	MARINE EQUIPMENT (NON DREDGING)																		
M10	0.11	AQUATIC MAINTENANCE	1.06	1.03	1.01	1.00	0.98	0.95	0.91	0.89	0.88	0.84	0.79	0.76	0.73	0.69	0.69	0.68	0.66	0.64
M10	0.12	AQUATIC MAINTENACE ATTACHMENTS	1.06	1.03	1.01	1.00	0.98	0.94	0.90	0.88	0.87	0.83	0.78	0.74	0.71	0.67	0.66	0.66	0.64	0.61
M10	0.21	HYDRAULIC CUTTERHEAD DREDGE, 8" OR LESS,TRANSPORTABL	1.06	1.02	1.01	1.00	0.98	0.95	0.91	0.90	0.88	0.85	0.80	0.77	0.74	0.71	0.70	0.70	0.67	0.65
M10	0.22	HYDRAULIC CUTTERHEAD DREDGE,8" - 12",TRANSPORTABLE	1.06	1.02	1.01	1.00	0.98	0.95	0.91	0.90	0.88	0.85	0.80	0.77	0.74	0.71	0.70	0.70	0.67	0.65
M10	0.23	HYDRAULIC AUGERHEAD DREDGE,12" OR LESS,TRANSPORTABLE	1.06	1.02	1.01	1.00	0.98	0.95	0.91	0.90	0.88	0.85	0.80	0.77	0.74	0.71	0.70	0.70	0.67	0.65
M10	0.24	HYDRAULIC FLOATING PUMPS,12" OR LESS,TRANSPORTABLE	1.06	1.03	1.01	1.00	0.98	0.95	0.91	0.89	0.88	0.84	0.79	0.76	0.73	0.70	0.69	0.69	0.66	0.64
M10	0.25	HYDRUALIC DREDGE PUMPS,12" OR LESS,TRANSPORTABLE	1.06	1.03	1.01	1.00	0.98	0.95	0.90	0.89	0.87	0.83	0.79	0.75	0.72	0.68	0.67	0.67	0.65	0.62
M10	0.26	HYDRAULIC DREDGE / PUMP ATTACHMENTS	1.06	1.03	1.01	1.00	0.98	0.95	0.90	0.89	0.87	0.83	0.79	0.75	0.72	0.68	0.67	0.67	0.65	0.62
M10	0.31	SMALL MECH DREDGES,CLAMSHELL,BARGE-MTD TO 5 CY	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.91	0.87	0.82	0.79	0.76	0.70	0.69	0.67	0.65	0.64
M10	0.32	SMALL MECH DREDGES, AMPHIBIOUS EXCAVATORS	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.86	0.81	0.78	0.74	0.69	0.67	0.65	0.63	0.62
M10	0.33	SMALL MECH DREDGES,HOE-MOUNTED DREDGING ATTACH	1.06	1.02	1.01	1.00	0.98	0.95	0.91	0.90	0.88	0.85	0.80	0.77	0.74	0.71	0.70	0.70	0.68	0.66
M10	0.41	WORK FLOATS (NON-DREDGING)	1.06	1.03	1.01	1.00	0.98	0.95	0.91	0.89	0.88	0.84	0.79	0.76	0.73	0.69	0.69	0.68	0.66	0.64
M10	0.42	WORK BARGES (SECTIONAL, NON-DREDGING)	1.06	1.02	1.01	1.00	0.99	0.95	0.91	0.90	0.89	0.85	0.81	0.78	0.75	0.72	0.71	0.71	0.69	0.66
M10	0.45	FLAT-DECK OR CARGO BARGE (NON-DREDGING)	1.05	1.02	1.01	1.00	0.99	0.95	0.92	0.90	0.89	0.85	0.81	0.78	0.75	0.72	0.71	0.71	0.69	0.67
M10	0.46	DUMP SCOW (NON-DREDGING)	1.05	1.02	1.01	1.00	0.99	0.95	0.92	0.90	0.89	0.85	0.81	0.78	0.75	0.72	0.71	0.71	0.69	0.67
M10	0.47	DRILL BARGE (NON-DREDGING)	1.06	1.02	1.01	1.00	0.98	0.95	0.91	0.90	0.89	0.85	0.81	0.78	0.74	0.71	0.71	0.70	0.68	0.66
M10	0.48	ALL OTHER BARGES (NON-DREDGING)	1.06	1.02	1.01	1.00	0.98	0.95	0.91	0.90	0.89	0.85	0.81	0.78	0.74	0.71	0.71	0.70	0.68	0.66
M10	0.51	BOATS & LAUNCHES, 0 THRU 250 HP	1.06	1.02	1.01	1.00	0.98	0.95	0.91	0.90	0.88	0.85	0.80	0.77	0.74	0.70	0.70	0.69	0.67	0.65
M10	0.53	BOATS & LAUNCHES, 251 THRU 500 HP	1.06	1.02	1.01	1.00	0.98	0.95	0.91	0.90	0.88	0.85	0.80	0.77	0.74	0.71	0.70	0.70	0.68	0.65
M10	0.54	TUGS, 501 THRU 1,000 HP	1.05	1.02	1.01	1.00	0.99	0.95	0.92	0.90	0.89	0.86	0.81	0.79	0.75	0.72	0.72	0.71	0.69	0.67
M10	0.55	TUGS, 1,000 THRU 2,000 HP	1.05	1.02	1.01	1.00	0.99	0.95	0.92	0.90	0.89	0.86	0.82	0.79	0.76	0.73	0.72	0.72	0.70	0.68
P10	0.00	PILE HAMMER ACCESSORIES - EXTRACTORS & BOX LEADS	1.07	1.03	1.02	1.00	0.97	0.95	0.93	0.90	0.88	0.86	0.82	0.79	0.75	0.71	0.68	0.66	0.65	0.64
P20	0.00	PILE HAMMERS, DOUBLE ACTING																		
P20	0.10	DIESEL	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.89	0.87	0.84	0.81	0.77	0.73	0.70	0.69	0.68	0.66

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 9	Life in Years																	
			Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		TYPE OF EQUIPMENT	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
P20	0.20	STEAM	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.84	0.81	0.78	0.74	0.72	0.70	0.69	0.68
P25	0.00	PILE HAMMERS, SINGLE ACTING																		
P25	0.10	DIESEL	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.84	0.81	0.78	0.74	0.72	0.70	0.69	0.68
P25	0.20	STEAM	1.06	1.03	1.02	1.00	0.98	0.96	0.94	0.91	0.90	0.88	0.85	0.82	0.79	0.75	0.72	0.71	0.70	0.69
P30	0.00	PILE HAMMERS, DRIVER/ EXTRACTOR, VIBRATORY	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.84	0.81	0.78	0.74	0.72	0.70	0.69	0.68
P35	0.00	PIPELAYERS	1.08	1.04	1.03	1.00	0.98	0.97	0.94	0.91	0.87	0.83	0.80	0.78	0.75	0.71	0.67	0.64	0.64	0.65
P40	0.00	PLATFORMS & MAN-LIFTS	1.05	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.90	0.86	0.81	0.78	0.75	0.69	0.67	0.65	0.63	0.62
P45	0.00	PUMPS, GROUT	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.91	0.90	0.88	0.85	0.82	0.79	0.75	0.73	0.71	0.70	0.69
P50	0.00	PUMPS, WATER, CENTRIFUGAL, TRASH																		
P50	0.11	SKID MOUNTED, ENGINE DRIVE	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.85	0.82	0.79	0.74	0.72	0.71	0.70	0.68
P50	0.12	SKID MOUNTED, ELECTRIC DRIVE	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.85	0.82	0.79	0.74	0.72	0.71	0.70	0.68
P50	0.21	WHEEL MOUNTED, ENGINE DRIVE	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.85	0.82	0.79	0.74	0.72	0.71	0.70	0.68
P50	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.85	0.82	0.79	0.74	0.72	0.71	0.70	0.68
P50	0.31	HOSES, PUMP, SUCTION & DISCHARGE	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.91	0.90	0.88	0.85	0.82	0.79	0.75	0.73	0.71	0.70	0.69
P55	0.00	PUMPS, WATER, SUBMERSIBLE																		
P55	0.01	ENGINE DRIVE	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.85	0.82	0.79	0.74	0.72	0.71	0.70	0.68
P55	0.02	ELECTRIC DRIVE	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.91	0.90	0.88	0.85	0.82	0.79	0.75	0.73	0.71	0.70	0.69
P60	0.00	PUMPS, WATER, CENTRIFUGAL, DEWATERING																		
P60	0.11	SKID MOUNTED, ENGINE DRIVE	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.85	0.82	0.79	0.74	0.72	0.71	0.70	0.68
P60	0.12	SKID MOUNTED, ELECTRIC DRIVE	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.91	0.90	0.88	0.85	0.82	0.79	0.75	0.73	0.71	0.70	0.69
P60	0.21	WHEEL MOUNTED, ENGINE DRIVE	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.85	0.82	0.79	0.74	0.72	0.71	0.70	0.68
P60	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.91	0.90	0.88	0.85	0.82	0.79	0.75	0.73	0.71	0.70	0.69
P65	0.00	PUMPS, WATER, DIAPHRAGM																		
P65	0.11	SKID MOUNTED, ENGINE DRIVE	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.85	0.82	0.79	0.74	0.72	0.71	0.70	0.68
P65	0.12	SKID MOUNTED, ELECTRIC DRIVE	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.91	0.90	0.88	0.85	0.82	0.79	0.75	0.73	0.71	0.70	0.69
P65	0.21	WHEEL MOUNTED, ENGINE DRIVE	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.85	0.82	0.79	0.74	0.72	0.71	0.70	0.68
P65	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.91	0.90	0.88	0.85	0.82	0.79	0.75	0.73	0.71	0.70	0.69

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 9	Life in Years																	
			Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		TYPE OF EQUIPMENT	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
P70	0.00	PUMPS, WATER (FOR CORE DRILLS)																		
P70	0.01	ENGINE DRIVE	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.84	0.81	0.78	0.74	0.71	0.70	0.69	0.67
P70	0.02	ELECTRIC DRIVE	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.84	0.81	0.78	0.74	0.71	0.70	0.69	0.67
R10	0.00	RIPPERS & HYDRAULIC BANK SLOPERS(no point wear included)	1.08	1.05	1.03	1.00	0.98	0.96	0.93	0.90	0.86	0.81	0.79	0.76	0.73	0.69	0.64	0.61	0.61	0.62
R15	0.00	ROLLERS, STATIC, TOWED, PNEUMATIC	1.04	1.01	1.02	1.00	0.98	0.97	0.95	0.92	0.87	0.87	0.91	0.90	0.88	0.86	0.81	0.80	0.79	0.75
R20	0.00	ROLLERS, STATIC, TOWED, STEEL DRUM	1.04	1.01	1.02	1.00	0.98	0.97	0.95	0.92	0.87	0.87	0.91	0.90	0.88	0.86	0.81	0.80	0.79	0.75
R30	0.00	ROLLERS, STATIC, SELF-PROPELLED																		
R30	0.01	PNEUMATIC	1.04	1.01	1.02	1.00	0.98	0.97	0.95	0.92	0.87	0.87	0.91	0.90	0.88	0.86	0.81	0.80	0.79	0.75
R30	0.02	SMOOTH DRUM	1.04	1.01	1.02	1.00	0.98	0.97	0.95	0.92	0.87	0.87	0.91	0.90	0.88	0.86	0.82	0.80	0.79	0.76
R30	0.03	TAMPING FOOT, LANDFILL & SOIL COMPACTORS	1.04	1.01	1.02	1.00	0.98	0.97	0.95	0.92	0.87	0.87	0.91	0.90	0.88	0.86	0.82	0.80	0.79	0.76
R40	0.00	ROLLERS, VIBRATORY, TOWED	1.04	1.01	1.02	1.00	0.98	0.97	0.95	0.92	0.87	0.86	0.91	0.90	0.87	0.85	0.81	0.80	0.78	0.75
R45	0.00	ROLLERS, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM	1.04	1.01	1.02	1.00	0.98	0.97	0.95	0.92	0.87	0.86	0.91	0.90	0.87	0.85	0.81	0.80	0.78	0.75
R50	0.00	ROLLERS, VIBRATORY, SELF-PROPELLED, SINGLE DRUM	1.05	1.01	1.03	1.00	0.98	0.97	0.95	0.92	0.86	0.86	0.91	0.90	0.87	0.85	0.80	0.79	0.78	0.74
R55	0.00	ROOFING EQUIPMENT	1.06	1.03	1.02	1.00	0.98	0.96	0.94	0.91	0.90	0.88	0.85	0.82	0.79	0.75	0.72	0.71	0.70	0.69
S10	0.00	SCRAPERS, ELEVATING																		
S10	0.01	0 THRU 200 HP	1.09	1.05	1.03	1.00	0.97	0.96	0.91	0.89	0.86	0.81	0.78	0.75	0.73	0.69	0.67	0.64	0.64	0.62
S10	0.02	OVER 200 HP	1.09	1.05	1.03	1.00	0.97	0.96	0.91	0.89	0.86	0.81	0.78	0.75	0.73	0.69	0.67	0.64	0.64	0.62
S15	0.00	SCRAPERS, CONVENTIONAL	1.08	1.05	1.03	1.00	0.98	0.96	0.91	0.89	0.87	0.81	0.79	0.76	0.74	0.70	0.68	0.65	0.65	0.63
S20	0.00	SCRAPERS, TANDEM POWERED	1.08	1.05	1.03	1.00	0.98	0.96	0.91	0.89	0.87	0.81	0.79	0.76	0.74	0.70	0.68	0.65	0.65	0.63
S25	0.00	SCRAPERS, TRACTOR DRAWN	1.09	1.05	1.03	1.00	0.97	0.96	0.91	0.89	0.86	0.81	0.78	0.75	0.73	0.69	0.67	0.64	0.64	0.62
S30	0.00	SCREENING & CRUSHING PLANTS																		
S30	0.10	CONVEYORS	1.06	1.02	1.01	1.00	0.98	0.96	0.94	0.92	0.91	0.88	0.86	0.83	0.80	0.76	0.74	0.72	0.71	0.70
S30	0.20	CRUSHERS - VERTICAL & HORIZONTAL SHAFT IMPACTOR	1.06	1.02	1.01	1.00	0.98	0.96	0.94	0.92	0.91	0.89	0.86	0.84	0.81	0.77	0.75	0.74	0.73	0.72
S30	0.21	CRUSHERS - CONE	1.06	1.02	1.01	1.00	0.98	0.96	0.94	0.92	0.91	0.89	0.86	0.84	0.81	0.77	0.75	0.74	0.73	0.72
S30	0.22	CRUSHERS - JAW	1.06	1.02	1.01	1.00	0.98	0.96	0.94	0.92	0.91	0.89	0.86	0.84	0.81	0.77	0.75	0.74	0.73	0.72
S30	0.30	SCREENING PLANT	1.06	1.02	1.01	1.00	0.98	0.96	0.94	0.92	0.91	0.88	0.86	0.83	0.80	0.76	0.74	0.72	0.71	0.70
S35	0.00	SNOW REMOVAL EQUIPMENT	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.85	0.82	0.79	0.74	0.72	0.71	0.70	0.68

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 9	Life in Years																	
			Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		TYPE OF EQUIPMENT	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
S40	0.00	SOIL & ROAD STABILIZERS	1.09	1.05	1.03	1.00	0.97	0.96	0.90	0.88	0.85	0.79	0.76	0.73	0.71	0.66	0.64	0.61	0.61	0.59
S45	0.00	SPLITTERS, ROCK & CONCRETE	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.84	0.81	0.78	0.74	0.72	0.70	0.69	0.68
T10	0.00	TRACTOR BLADES & ATTACHMENTS	1.08	1.05	1.03	1.00	0.98	0.97	0.93	0.90	0.86	0.82	0.79	0.77	0.74	0.69	0.65	0.62	0.62	0.62
T15	0.00	TRACTORS, CRAWLER (DOZER) (includes blade)																		
T15	0.01	0 THRU 225 HP	1.08	1.05	1.03	1.00	0.98	0.96	0.93	0.90	0.86	0.81	0.79	0.76	0.74	0.69	0.64	0.61	0.61	0.62
T15	0.02	226 HP THRU 425 HP	1.08	1.04	1.03	1.00	0.98	0.97	0.94	0.91	0.87	0.83	0.81	0.78	0.76	0.72	0.67	0.65	0.65	0.65
T15	0.03	OVER 425 HP	1.07	1.04	1.03	1.00	0.98	0.97	0.94	0.91	0.88	0.83	0.81	0.79	0.76	0.72	0.68	0.66	0.65	0.66
T20	0.00	TRACTORS, WHEEL TYPE (DOZER)	1.08	1.05	1.03	1.00	0.98	0.97	0.96	0.95	0.92	0.91	0.89	0.87	0.85	0.83	0.81	0.80	0.80	0.77
T25	0.00	TRACTORS, AGRICULTURAL																		
T25	0.10	CRAWLER	1.08	1.05	1.03	1.00	0.98	0.96	0.96	0.95	0.92	0.90	0.88	0.87	0.85	0.83	0.81	0.80	0.80	0.76
T25	0.20	WHEEL	1.08	1.05	1.03	1.00	0.98	0.96	0.96	0.95	0.92	0.90	0.88	0.87	0.84	0.83	0.81	0.80	0.80	0.76
T30	0.00	TRENCHERS, CHAIN TYPE CUTTER	1.09	1.05	1.03	1.00	0.96	0.95	0.93	0.90	0.85	0.81	0.80	0.79	0.76	0.75	0.73	0.73	0.71	0.70
T35	0.00	TRENCHERS, WHEEL TYPE CUTTER	1.09	1.05	1.03	1.00	0.96	0.95	0.93	0.90	0.85	0.81	0.80	0.79	0.76	0.75	0.73	0.73	0.71	0.70
T40	0.00	TRUCK OPTIONS																		
T40	0.10	CRANES / HOISTS, PERSONNEL & MATERIAL HANDLING	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.85	0.82	0.79	0.74	0.72	0.71	0.70	0.68
T40	0.20	DUMP BODY, REAR	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.83	0.80	0.76	0.74	0.72	0.71	0.70
T40	0.30	FLATBEDS, WITH SIDES	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.85	0.82	0.79	0.74	0.72	0.71	0.70	0.68
T40	0.41	HOIST, ELECTRIC DRIVE	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.85	0.82	0.79	0.74	0.72	0.71	0.70	0.68
T40	0.50	TRANSIT MIXERS	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.91	0.90	0.88	0.85	0.82	0.79	0.75	0.73	0.71	0.70	0.69
T40	0.60	WATER TANKS	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.84	0.81	0.78	0.74	0.71	0.70	0.69	0.67
T40	0.70	ALL OTHER OPTIONS	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.85	0.82	0.79	0.74	0.72	0.71	0.70	0.68
T45	0.00	TRUCK TRAILERS																		
T45	0.10	BOTTOM DUMP	1.06	1.02	1.01	1.00	0.98	0.96	0.94	0.92	0.91	0.88	0.86	0.83	0.80	0.76	0.74	0.72	0.71	0.70
T45	0.20	END DUMP	1.06	1.02	1.01	1.00	0.98	0.96	0.94	0.92	0.91	0.88	0.86	0.83	0.80	0.76	0.74	0.72	0.71	0.70
T45	0.30	PUP TRAILER	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.83	0.80	0.76	0.74	0.72	0.71	0.70
T45	0.41	LOWBOY, RIGID NECK, DROP DECK	1.06	1.02	1.01	1.00	0.98	0.96	0.94	0.92	0.91	0.88	0.86	0.83	0.80	0.76	0.74	0.72	0.71	0.70
T45	0.50	FLATBED TRAILER	1.06	1.02	1.01	1.00	0.98	0.96	0.94	0.92	0.91	0.88	0.86	0.83	0.80	0.76	0.74	0.72	0.71	0.70

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 9	Life in Years																	
			Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		TYPE OF EQUIPMENT	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
T45	0.60	MISCELLANEOUS / UTILITY	1.06	1.02	1.01	1.00	0.98	0.96	0.94	0.92	0.91	0.88	0.86	0.83	0.80	0.76	0.74	0.72	0.71	0.70
T45	0.70	WATER TANKER TRAILER	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.85	0.82	0.79	0.74	0.72	0.71	0.70	0.68
T45	0.80	DECONTAMINATION FACILITY	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.84	0.81	0.78	0.74	0.71	0.70	0.69	0.67
T45	0.90	TANK TRAILERS	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.85	0.82	0.79	0.74	0.72	0.71	0.70	0.68
T50	0.00	TRUCKS, HIGHWAY (add attachments as required)																		
T50	0.01	0 THRU 10,000 GVW	1.03	1.00	1.02	1.00	1.01	1.03	1.02	0.99	0.95	0.90	0.86	0.82	0.81	0.78	0.76	0.75	0.72	0.70
T50	0.02	OVER 10,000 THRU 30,000 GVW(CHASSIS ONLY-ADD OPTIONS)	1.03	1.00	1.02	1.00	1.01	1.03	1.02	0.99	0.95	0.90	0.86	0.83	0.81	0.78	0.76	0.76	0.72	0.70
T50	0.03	OVER 30,000 GVW (CHASSIS ONLY-ADD OPTIONS)	1.03	1.00	1.02	1.00	1.01	1.03	1.02	0.99	0.95	0.90	0.86	0.83	0.82	0.78	0.77	0.76	0.73	0.71
T55	0.00	TRUCKS, OFF-HIGHWAY																		
T55	0.10	RIGID FRAME	1.06	1.03	1.01	1.00	0.99	0.96	0.93	0.88	0.86	0.85	0.84	0.82	0.79	0.73	0.70	0.69	0.68	0.68
T55	0.20	ARTICULATED FRAME	1.07	1.03	1.01	1.00	0.99	0.96	0.93	0.87	0.85	0.84	0.83	0.81	0.77	0.71	0.67	0.66	0.66	0.65
T56	0.00	TRUCKS,OFF-HIGHWAY/PRIME MOVER TRACTORS & WAGONS																		
T56	0.10	PRIME MOVER TRACTORS	1.06	1.03	1.01	1.00	0.99	0.96	0.93	0.88	0.86	0.85	0.84	0.82	0.79	0.73	0.70	0.69	0.68	0.68
T56	0.20	WAGONS, BOTTOM DUMP	1.07	1.03	1.01	1.00	0.99	0.96	0.93	0.88	0.85	0.84	0.83	0.81	0.77	0.71	0.68	0.67	0.66	0.66
T56	0.30	WAGONS, REAR DUMP	1.07	1.03	1.01	1.00	0.99	0.96	0.93	0.87	0.85	0.84	0.83	0.81	0.77	0.71	0.67	0.66	0.66	0.65
T57	0.00	TRUCKS, VACUUM	1.06	1.03	1.02	1.00	0.98	0.96	0.94	0.91	0.90	0.88	0.85	0.82	0.79	0.75	0.73	0.71	0.70	0.69
T60	0.00	TRUCKS, WATER, OFF-HIGHWAY	1.07	1.03	1.01	1.00	0.99	0.96	0.93	0.87	0.85	0.84	0.83	0.81	0.77	0.71	0.67	0.66	0.66	0.65
T65	0.00	TUNNEL/MINING EQUIPMENT																		
T65	0.10	DRIFTING & TUNNELING DRILLS	1.07	1.03	1.02	1.00	0.99	0.97	0.93	0.91	0.90	0.88	0.87	0.84	0.81	0.77	0.76	0.76	0.77	0.76
T65	0.20	TUNNEL BORING MACHINES	1.06	1.02	1.01	1.00	0.98	0.96	0.94	0.92	0.91	0.89	0.86	0.84	0.80	0.77	0.75	0.73	0.72	0.71
T65	0.30	PRODUCTION DRILLING RIGS	1.07	1.03	1.02	1.00	0.98	0.97	0.93	0.91	0.90	0.88	0.87	0.84	0.81	0.76	0.76	0.76	0.77	0.76
T65	0.40	ROADHEADERS & CONTINUOUS MINERS	1.06	1.02	1.01	1.00	0.98	0.96	0.94	0.92	0.91	0.88	0.86	0.83	0.80	0.76	0.74	0.73	0.72	0.71
T65	0.50	ROCK BOLTING EQUIPMENT	1.06	1.03	1.02	1.00	0.98	0.96	0.94	0.91	0.90	0.88	0.85	0.82	0.79	0.75	0.73	0.71	0.70	0.69
T65	0.61	LOADING & HAULING EQUIPMENT, DIESEL OR GAS	1.06	1.02	1.01	1.00	0.98	0.96	0.94	0.92	0.91	0.88	0.86	0.83	0.80	0.76	0.74	0.73	0.72	0.71
T65	0.62	LOADING & HAULING EQUIPMENT, ELECTRIC	1.06	1.02	1.01	1.00	0.98	0.96	0.94	0.92	0.91	0.88	0.86	0.83	0.80	0.76	0.74	0.73	0.72	0.71
T65	0.63	LOADING & HAULING EQUIPMENT, AIR-POWERED	1.06	1.02	1.01	1.00	0.98	0.96	0.94	0.92	0.91	0.88	0.86	0.83	0.80	0.76	0.74	0.72	0.72	0.70
T65	0.70	LOCOMOTIVES	1.06	1.03	1.01	1.00	0.98	0.96	0.94	0.92	0.90	0.88	0.85	0.83	0.79	0.76	0.73	0.72	0.71	0.70

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 9	Life in Years																	
			Year Purchased New																	
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		TYPE OF EQUIPMENT	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
T65	0.90	OTHER TUNNELING EQUIPMENT	1.06	1.02	1.01	1.00	0.98	0.96	0.94	0.92	0.91	0.88	0.86	0.83	0.80	0.76	0.74	0.73	0.72	0.71
W10	0.00	WAGONS, BOTTOM DUMP	1.07	1.03	1.01	1.00	0.99	0.96	0.93	0.88	0.85	0.84	0.83	0.81	0.77	0.71	0.68	0.66	0.66	0.65
W15	0.00	WAGONS, REAR DUMP	1.07	1.03	1.01	1.00	0.99	0.96	0.93	0.88	0.85	0.84	0.83	0.81	0.77	0.71	0.68	0.66	0.66	0.65
W25	0.00	WATER & CO2 BLASTERS																		
W25	0.10	LOW PRESSURE, (< 5,000 PSI)	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.89	0.87	0.84	0.81	0.77	0.73	0.71	0.69	0.68	0.66
W25	0.20	HIGH PRESSURE, (>= 5,000 PSI)	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.89	0.87	0.84	0.81	0.77	0.73	0.71	0.69	0.68	0.66
W25	0.30	STEAM CLEANERS	1.07	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.89	0.87	0.84	0.81	0.77	0.73	0.71	0.69	0.68	0.66
W25	0.40	CO2 BLASTERS	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.84	0.81	0.78	0.74	0.72	0.70	0.69	0.68
W30	0.00	WATER TANKS																		
W30	0.10	PORTABLE WITH WHEELS	1.07	1.03	1.01	1.00	0.99	0.96	0.93	0.87	0.85	0.84	0.83	0.81	0.77	0.71	0.67	0.66	0.66	0.65
W30	0.20	SKID MOUNTED	1.07	1.03	1.01	1.00	0.99	0.96	0.93	0.87	0.85	0.84	0.83	0.81	0.77	0.71	0.67	0.66	0.66	0.65
W35	0.00	WELDERS																		
W35	0.10	ENGINE DRIVEN	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.84	0.81	0.78	0.74	0.71	0.70	0.69	0.67
W35	0.20	ELECTRIC DRIVEN	1.06	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.90	0.87	0.84	0.81	0.78	0.74	0.72	0.70	0.69	0.68

STANDBY HOURLY RATE CALCULATION FOR OVERAGE EQUIPMENT

EXAMPLE

Assume the following information for the rate calculation example:

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

B. The equipment is contractor-owned.

C. Data for the unit in question:

1. Clark front-end wheel loader
2. Model 125C, 4WD, 4 CY capacity
3. Serial number indicates year of manufacture = 1986
4. Actual purchase price in 1986 = $168,280
5. Horsepower is 203 hp (fuel is Diesel off-road)
6. Drive tire (DT) size = 23.50 x 25, 16 Ply, L-3
   DT cost (1999) = 4 tires x $1,734 = $6,936

D. Use the actual cost data as follows:

1. Purchase price (TEV) = $168,280
2. Year of manufacture = 1986

E. 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: **N/A**

a. Equipment Specification Data:

(1)	Equipment Description:	Clark Front-End Wheel Loader	
(2)	Model and Series:	Model 125 C, 4WD, 4 CY capacity	
(3)	Present Year or Year of Use:		2001
(4)	Year Manufactured:		1986
(5)	Horsepower - Equipment:		203
(6)	Horsepower - Carrier:		N/A
(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	N/A
(8)	Shipping Weight (cwt):		

(9) Tire size and number of tires: (Cost of tires based on present year - see 1.a.(3) and Appendix F)

		Size/Ply	No.	Unit Price	Cost
(a)	Front (FT):	N/A	----	$ ------	$ ------
(b)	Drive (DT):	23.5X25/16 ply	4	$ 1,734	$ 6,936
(c)	Trailing (TT):	N/A	----	$ ------	$ ------
(d)	Total Tire Cost:				$ 6,936

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): Average or Severe	AVERAGE
(3)	Discount Code (DC): B = 7.5% (0.075) - or - S = 15.0% (0.15)	0.075
(4)	Life in Hours (LIFE):	10,000
(5)	Salvage Value Percentage (SLV):	0.25
(6)	Fuel Factor - Equipment [Electric (E) Gas (G) Diesel (D)]: D	0.033
(7)	Fuel Factor - Carrier (E G D):	N/A
(8)	Filter, Oil, and Grease (FOG) Factor (E G D):	0.445
(9)	Tire Wear Factor:	
	(a) Front (FT):	N/A
	(b) Drive (DT):	0.42
	(c) Trailing (TT):	N/A
(10)	Repair Cost Factor (RCF):	0.70

Page 1 of 6

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

2. EQUIPMENT VALUE

a. List Price + Accessories: *[at Year (yr) of Manufacture]* =$ ------

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

($ ------) x (------) =-($ ------)

(2) Subtotal [2.a.] - [2.a.(1)] Subtotal =$ ------

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

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

(4) Total Discounted Price: Subtotal: [2.a.(2)] + [2.a.(3)] Subtotal =$ ------

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

(------ cwt) x ($ ------ /cwt) =+$ ------

c. TOTAL EQUIPMENT VALUE (TEV): **TOTAL [2.]: =$** 168,280
[(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]

(10,000 hr) / (1,040 hr/yr) = 9.62 yr(N)

4. OWNERSHIP COST

a. Depreciation

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

(2340) / (2449) = 0.955 (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) x [1.0 – (0.25)] - [(0.955) x ($ 6,936)]] / (10,000 hr)

=$ 11.96 /hr

Page 2 of 6

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

4. OWNERSHIP COST (Continued)

b. Facilities Capital Cost of Money (FCCM):

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

[[(9.62 yr) - 1.0] x [1.0 + (0.25)] + 2.0] / [2.0 x (9.62 yr)] = 0.664 (AVF)

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

($ 168,280) x (0.664) x (0.0510) / (1,040 hr/yr)

=$ 5.48 /hr

c. **TOTAL HOURLY OWNERSHIP COST:** **TOTAL [4.]: =$** 17.44 /hr
[4.a.(2)] + [4.b.(2)]

5. OPERATING COST

a. Fuel Costs:

(1) Equipment:

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

(------) x (----- hp) x ($ ----- /gal) =$ ----- /hr

(2) Carrier:

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

(-----) x (----- hp) x ($ ----- /gal) =$ ----- /hr

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

b. FOG Cost:

(1) Equipment:

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

(-----) x ($ ----- /hr) x (-----) =$ ----- /hr

Page 3 of 6

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

5. OPERATING COST (Continued)

(2) Carrier:

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

(-----) x ($ ----- /hr) x (-----) =$ ----- /hr

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

c. Alternative Fuel/FOG Cost: **Total [5.c.]** =$ ----- /hr
(See chapter 2, paragraph 24.d. for guidance on when to use.)

d. Repair Cost:

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

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

(-----) / (-----) = ----- (EAF)

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

(2) Repair Factor (RF):

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

(-----) x (-----) x (-----) = ----- (RF)

(3) Repair Cost

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

[($ -----) - [(-----) x ($ -----)]] x (-----) / (-----)

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

Page 4 of 6

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

5. <u>OPERATING COST</u> (Continued)

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

(1) Front Tires (FT):

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

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

=$ ----- /hr

(2) Drive Tires (DT):

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

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

=$ ----- /hr

(3) Trailing Tires (TT):

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

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

=$ ----- /hr

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

f. Tire Repair Cost:

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

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

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

Page 5 of 6

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)
[4.c.] [5.g.]

($ ----- /hr) + ($ ----- /hr) =$ **N/A** /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)]

=$ **N/A** /hr

c. Standby Hourly Rate:

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

[($ 11.96 /hr) x 0.50] + ($ 5.48 /hr) =$ 11.46 /hr

See Chapter 3 if rate adjustments are necessary.

Page 6 of 6

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 non-dredging equipment. However, the cost data (Acquisition Cost, Horsepower, and Fuel Type) may be used for calculation of dredging plant rate, 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, then the bucket may be treated as a separate unit of equipment.

SECTION II. ANNUAL USE

4-3. Time Available to Dredge.

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

collected by the U.S. Army Corps of Engineers' regional dredge estimating teams. The data in Figure 4-1 shall be used for computing the ownership costs unless specified otherwise in the contract documents.

AVAILABLE TIME TO DREDGE BY REGION
(In Months)

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

Figure 4-1. Months Available by Region.

SECTION III. LIFE

4-4. Life.

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

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

b. The Physical Life is expressed in hours (hr) 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 non-effective working time. "Effective working time" is defined as time during the dredging operation when actual production is taking place. "Non-effective 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:

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

Where:

(1) Months Available/yr is found in Figure 4-1.
(2) Effective Hours/Month is the effective working time.

SECTION IV. SALVAGE VALUE

4-6. Salvage Value.

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

SECTION V. OWNERSHIP COST

4-7. Ownership Cost.

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

a. The ownership cost is determined from the plant value and is the total expense rate based on depreciation and CMR. When cost or pricing data is available, the actual acquisition price shall be used. Otherwise, the value of a similar piece of

plant is used and, if necessary, adjusted so that capacity, size, and horsepower are properly considered.

b. Ownership rate is determined on a yearly basis and distributed over a monthly basis. The monthly rate is calculated based on the available use months by using the following formula:

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

Where:

(1) Plant Value = Acquisition price plus initial capital improvements.
(2) Yearly DEPR Percent = Ownership percent per year for depreciation.
(3) Yearly CMR Percent = Ownership percent per year for cost of money rate.
(4) 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:

a. Yearly DEPR Percent = (1-SLV) / N

Where:

(1) N = Useful Life from Table 4-1.
(2) 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 cost-of-money rate (CMR) used in the calculation is the rate in effect at the time the work was performed. This formula is expressed as follows:

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

Where:
(1) N = Useful Life from Table 4-1.
(2) SLV = Salvage Value from Table 4-1.

(3) 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 below, are not intended to replace historical data but shall be used when historical data is limited or non-existent.

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:

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

Where:

(1) Horsepower is the engines rated horsepower.
(2) Fuel Cost/Gallon is based on values shown in Appendix B. See chapter 3 for fuel cost adjustments.
(3) 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 filter, 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:

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

Where:

(1) WLS Factor is obtained from Table 4-1.
(2) 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:

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

Where:

(1) Total Plant Value = Acquisition price plus Initial capital improvements.
(2) RPR = Repair Factor from Table 4-1.
(3) EAF = Economic Index (present year)/ Economic Index (acquisition year).
(4) LAF = Labor Adjustment Factor from Appendix B.
(5) Life in Hr = Physical Life from Table 4-1.

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

(1) 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.

(2) 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 Federal Acquisition Regulation (FAR) 31.205-24, *Maintenance and Repair Costs*].

(3) 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 follow: 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 non-effective 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 4 percent.

Table 4-1. DREDGING PLANT COST FACTORS

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

SLV = Salvage Value
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	
Mechanical Dredges (Large)[1]												
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
Barge Mounted Crane with Clamshell Bucket												
Non - Dredging												
Clamshell - under 6 CY	9	18,000	0.05	55	0.055	0.031	45	0.045	0.025	22	24	85
Clamshell - 6 CY to 10 CY	14	28,000	0.05	55	0.055	0.031	45	0.045	0.025	22	24	95
Clamshell - 11 CY to 15 CY	21	42,000	0.05	55	0.055	0.031	45	0.045	0.025	22	24	105
Barge Mounted Lifting Crane												
25 Ton to 75 Ton, 45' Boom	9	18,000	0.05	40	0.040	0.022	30	0.030	0.017	22	24	80
75 Ton to 125 Ton, 60' Boom	14	28,000	0.05	40	0.040	0.022	30	0.030	0.017	22	24	90
Over 125 Ton, over 60' Boom	21	42,000	0.05	40	0.040	0.022	30	0.030	0.017	22	24	100
Barges (Used with Dredging)												
Fuel or Water	20	90,000	0.05	20	0.021	0.011	20	0.021	0.011	18	20	60
Equipment or Work	20	90,000	0.05	20	0.021	0.011	20	0.021	0.011	18	20	60
Derrick	20	90,000	0.10	20	0.021	0.011	20	0.021	0.011	18	20	70
Anchor	20	90,000	0.05	20	0.021	0.011	20	0.021	0.011	18	20	60
Mooring Barge	20	90,000	0.05	20	0.021	0.011	20	0.021	0.011	18	20	60
Dump Scow	20	90,000	0.05	20	0.021	0.011	20	0.021	0.011	18	20	70

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

Table 4-1. DREDGING PLANT COST FACTORS (Continued)

Type of Plant	Useful Life	Physical Life	Salvage Value	Prime Engine Fuel Factor			Secondary Engine Fuel Factor			WLS %		RPR %
	(YRS)	(HR)	(SLV)	HPF	G	D	HPF	G	D	G	D	
Boats – See Category M10.50												
Tugs and Tenders (Used with Dredging)												
Under 500 hp	8	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
Pipeline and Accessories (Inland Environment)												
Metal Pipeline (under 20 inch)												
Pumping Mud	2	9,000	0.10	0	0.000	0.000	0	0.000	0.000	0	0	5
Pumping Sand	1	4,500	0.10	0	0.000	0.000	0	0.000	0.000	0	0	5
Pumping Rock (Gravel)	0.3	1,500	0.10	0	0.000	0.000	0	0.000	0.000	0	0	5
Joints	3	12,000	0.10	0	0.000	0.000	0	0.000	0.000	0	0	30
Pontoons/Floats	12	60,000	0.10	0	0.000	0.000	0	0.000	0.000	0	0	5
Metal Pipeline (20 inch and Larger)												
Pumping Mud	3	12,000	0.10	0	0.000	0.000	0	0.000	0.000	0	0	5
Pumping Sand	1.5	6,000	0.10	0	0.000	0.000	0	0.000	0.000	0	0	5
Pumping Rock (Gravel)	0.5	2,000	0.10	0	0.000	0.000	0	0.000	0.000	0	0	5
Joints	3	12,00	0.10	0	0.000	0.000	0	0.000	0.000	0	0	30
Pontoons/Floats	12	60,000	0.10	0	0.000	0.000	0	0.000	0.000	0	0	5

SLV = Salvage Value
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	
Pipeline and Accessories (Ocean Environment)												
Metal Pipeline (All sizes)												
Pumping Mud	2	9,000	0.40	0	0.000	0.000	0	0.000	0.000	0	0	5
Pumping Sand	1	4,500	0.40	0	0.000	0.000	0	0.000	0.000	0	0	5
Pumping Rock (Gravel)	0.3	1,500	0.40	0	0.000	0.000	0	0.000	0.000	0	0	5
Joints	1	4,500	0.40	0	0.000	0.000	0	0.000	0.000	0	0	5
Pontoons/Floats	2	9,000	0.40	0	0.000	0.000	0	0.000	0.000	0	0	5
Metal Pipeline On-Shore												
Pumping Mud	3	12,000	0.10	0	0.000	0.000	0	0.000	0.000	0	0	5
Pumping Sand	1.5	6,000	0.10	0	0.000	0.000	0	0.000	0.000	0	0	5
Pumping Rock (Gravel)	0.5	2,000	0.10	0	0.000	0.000	0	0.000	0.000	0	0	5

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

SLV = Salvage Value
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.....	>	200 Hp
	Total Secondary hp	>	2,475 Hp
e.	Plant Value		
(1)	Acquisition Price.....	>	$3,700,000
(2)	Capital Improvements.....	>	$0
	Total Plant Value		$3,700,000
f.	Acquisition Year.....	>	1987
g.	Present Year.....	>	2001
h.	CMR (Undiscounted).	>	5.00 %
i.	Use Discounted CMR (5.000% / 1.25) =		4.00%
j.	Hours Worked / Month (Effective Working Time)	>	500 hr/mo
k.	Additive Item(s) (example)		
(1)	Excessive Dredge Wear (Gravel)	>	$8,000 /month
(2)	_____	>	_____ /month
(3)	_____	>	_____ /month
(4)	_____	>	_____ /month
(5)	_____	>	_____ /month

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.

1 of 5

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

2. APPENDIX B DATA:

a. LAF ..... > 1.220

b. Fuel Type..... > Diesel (Off-Road)

(1) Fuel Cost per Gallon (gal)..... > $1.16 /Gallon

3. APPENDIX E DATA: (EK 105)

a. Economic Index for Acquisition Year.... > 3,886 <for 1987>

b. Economic Index for Present Year..... > 5,826 <for 2001>

4. TIME AVAILABLE TO DREDGE: (Refer to paragraph 4-3)

a. Months Available per year..... > 9 months/year

(Months available per year based on Atlantic Coast and Tributaries Region, Figure 4-1)

5. TABLE 4-1 DATA:

a. Useful Life (yrs) for Ownership.... > 25 Years

a. Physical Life (hr) for Repairs.... > 130,000 Hours

b. SLV..... > 0.10

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

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

e. WLS... > 22 % = 0.22

f. RPR..... > 130 % = 1.30

6. YEARLY OWNERSHIP PERCENT:

a. Yearly Depreciation Percent: = (1.0 - SLV) / N

(1.0 - 0.10) / 25.00 = 3.60%

b. Yearly CMR Percent = [(N-1)(1+SLV) + 2] x Discounted Money Rate / 2N

[(25.00 - 1) (1 + 0.10) + 2] x 4.00% / (2 x 25.00) = 2.27%

2 of 5

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

6. YEARLY OWNERSHIP PERCENT (Continued):

c. Total Yearly Ownership Percent (3.60% + 2.27%) = 5.87%

~~~~~~~~~~~~

7. OWNERSHIP RATES:

a. Yearly Ownership Cost: = (Total Plant Value x Total Yearly Ownership Percent)

($3,700,000 x 5.87%) = $217,190 /year

~~~~~~~~~~~~

b. Monthly Ownership Cost: = (Yearly Ownership Cost/Months Available per Year)

($217,190 /yr / 9 mos/yr) = $24,132 /month

~~~~~~~~~~~~

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 $1.16 /gal) = $194.71 /hour

~~~~~~~~~~~~

(2) Secondary Engine Fuel:

(0.039 x 2,475 hp x $1.16 /gal) = $111.97 /hour

~~~~~~~~~~~~

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

(1) Prime Engine WLS:

(0.22 x $194.71) = $42.84 /hour

~~~~~~~~~~~~

(2) Secondary Engine WLS:

(0.22 x $111.97) = $24.63 /hour

~~~~~~~~~~~~

c. Hourly Repair Cost:

(1) EAF:

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

(5826 <for 2001> / 3886 <for 1987>) = 1.499

~~~~~~~~~~~~

(2) Hourly Repair Cost:

= (Total Plant Value x RPR x EAF x LAF) / Physical Life in hr

($3,700,000 x 1.30 x 1.499 x 1.220) / 130,000 hr = $67.66 /hour

~~~~~~~~~~~~

3 of 5

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

8. OPERATING RATES (Continued):

d. Total Hourly Operating Cost: = (Fuel + WLS + Repairs)

($194.71 + $111.97 + $42.84 + $24.63 + $67.66) = $441.81 /hour

e. Monthly Operating Cost: = (Total Hourly Operating Cost x Hours Worked per/Month)

($441.81 /hour x 500 hours/month) = $220,905 /month

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

($24,132 /month + $220,905 /month) = $245,037 /month

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

a. (1)	Excessive Dredge Wear (Gravel)	$8,000	/month
(2)			/month
(3)			/month
(4)			/month
(5)			/month
b.	Subtotal - Estimated Additive Items	$8,000	/month

11. TOTAL MONTHLY COST (Items 9 + 10b): $253,037 /month

12. STANDBY ALLOWANCE:

a. Yearly Standby Cost:

= Yearly Ownership Cost from 7. a.

$217,190 /year

b. Monthly Standby Cost:

=Monthly Ownership Cost from 7. b.

$24,132 /month

c. Standard Hourly Standby Cost:

= (Monthly Standby Cost / 730 hr/mo)

($24,132 /month / 730 hours/month) = $33.06 /hour

4 of 5

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

~~~
~~~

APPENDIX A

REFERENCES

APPENDIX A

REFERENCES

SECTION I: REQUIRED PUBLICATIONS

FAR 15.400 *Contract Pricing,* Federal Acquisition Regulation, Government Printing Office, Washington, DC, 2001.

FAR 30.101 *Cost Accounting Standards*, Part 30, Federal Acquisition Regulation, Government Printing Office, Washington, DC, 2001.

FAR 31.105 *Construction and Architect Engineer Contracts*, Federal Acquisition Regulation, Government Printing Office, Washington, DC, 2001.

FAR 31.205-10 *Cost of Money*, Federal Acquisition Regulation, Government Printing Office, Washington, DC, 2001.

FAR 31.205-24 *Maintenance and Repair Costs*, Federal Acquisition Regulation, Government Printing Office, Washington, DC, 2001.

FAR 31.205-36 *Rental Costs,* Federal Acquisition Regulation, Government Printing Office, Washington, DC, 2001.

FAR 49.000 *Termination of Contracts,* Federal Acquisition Regulation, Government Printing Office, Washington, DC, 2001.

FAR 52.230-2 *Cost Accounting Standards*, Federal Acquisition Regulation, Government Printing Office, Washington, DC, 1998.

EFARS 31.105 *Construction and Architect-Engineer Contracts*, Engineer Federal Acquisition Regulation Supplement, Government Printing Office, Washington, DC, 2001.

EFARS 31.105-100 *Contract Statement*, Engineer Federal Acquisition Regulation Supplement, Government Printing Office, Washington, DC, 2001.

Producer Prices and Price Indexes, U.S. Department of Labor, Bureau of Labor Statistics, Government Printing Office, Washington, DC.

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

ER 1110-2-1302 *Engineering and Design - Civil Works Cost Engineering*, U.S. Army Corps of Engineers, 31 March 1994.

SECTION II: RELATED PUBLICATIONS

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

Bulletin B300, Goodyear Tire and Rubber Company, Akron, Ohio, January 2000.

Caterpillar Performance Handbook, 29th ed, Caterpillar Inc, Peoria, Illinois, 1999.

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

Caterpillar Performance Handbook, 31st ed, Caterpillar Inc, Peoria, Illinois, 2000.

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

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

Fundamentals of Earthmoving, Caterpillar Tractor Company, Peoria, Illinois, 1975.

Green Guide for Off-Highway Trucks and Trailers, Primedia, Inc., San Jose, California, 2001.

Green Guide Volume I, Primedia, Inc, San Jose, California, 2001.

Green Guide Volume II, Primedia, Inc, San Jose, California, 2001.

Electric Power Monthly, Energy Information Administration, Washington, DC.

Means 2001 Labor Rates for the Construction Industry, 27th ed., R S Means Company, Inc, Kingston, Massachusetts.

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

Petroleum Marketing Monthly, Energy Information Administration, Washington, DC.

SECTION II: **RELATED PUBLICATIONS** (Continued)

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

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

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 IX. Working

SECTION III: EFAR REFERENCE (Continued)

conditions shall be considered to be average for determining equipment rates using the schedule unless specified otherwise by the contracting officer. For equipment not included in the schedule, rates for comparable pieces of equipment may be used or a rate may be developed using the formula provided in the schedule. For forward pricing, the schedule in effect at the time of negotiations shall apply. For 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:

Government Printing Office
P.O. Box 371954
Pittsburgh, PA 15250-7954

Orders may be placed by telephone or fax (Visa/Mastercard is accepted).
Telephone: 202-512-1803 -or- Fax: 202-512-2250.

Orders may also be placed electronically at Internet address http:/www.access.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

REGIONAL BOOKSTORES

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

WASHINGTON (BRANCH): 1510 H Street, Northwest, Washington, DC 20005
202-653-5075

WAREHOUSE SALES OUTLET: 8660 Cherry Lane, Laurel, MD 20707
301-953-7974

ATLANTA: 999 Peachtree Street Northeast, Suite 120,
P.O. Box 56445, Atlanta, GA 30309
404-347-1900

SECTION IV. GOVERNMENT BOOKSTORES (Continued)

BIRMINGHAM:	2021 3rd Avenue North, Birmingham, AL 35203 205-731-1056
BOSTON:	Thomas P. O'Neill Federal Building, Room 169, 10 Causeway Street, Boston, MA 02222 617-720-4180
CHICAGO:	401 South State Street, Suite 124, Chicago, IL 60605 312-353-5133
CLEVELAND:	Room 1653, Federal Building, 1240 East 9th Street, Cleveland, OH 44199 216-522-4922
COLUMBUS:	Room 207, Federal Building, 200 North High Street, Columbus, OH 43215 614-469-6956
DALLAS:	Room IC50, Federal Building, 1100 Commerce Street, Dallas, TX 75242 214-767-0076
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 213-239-9844

SECTION IV. GOVERNMENT BOOKSTORES (Continued)

MILWAUKEE:	Reuss Federal Plaza, Suite 150W, 310 West Wisconsin Avenue, Milwaukee, WI 53203 414-297-1304
NEW YORK:	Room 2-120, Federal Building, 26 Federal Plaza, New York, NY 10278 212-264-3825
PHILADELPHIA:	Robert Morris Building, 100 North 17th Street, Philadelphia, PA 19103 215-636-1900
PITTSBURGH:	Room 118, Federal Building, 1000 Liberty Avenue, Pittsburgh, PA 15222 412-395-5021
PORTLAND:	1305 Southwest First Avenue, Portland, OR 97201 503-221-6217
PUEBLO:	Norwest Banks Building, 201 West 8th Street, Pueblo, CO 81003 719-544-3142
SAN FRANCISCO:	Marathon Plaza, Room 141-S, 303 2nd Street, San Francisco, CA 94107 415-512-2770
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) Present Year or 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 present year - see 1.a.(3) and Appendix F)
(a) Front (FT): No.: ____ Size/Ply: _____ Cost: $ _____
(b) Drive (DT): No.: ____ Size/Ply: _____ Cost: $ _____
(c) Trailing (TT): No.: ____ Size/Ply: _____ Cost: $ _____

(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 _____
(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) Filter, Oil, and Grease (FOG) Factor (E G D): _____
(9) Tire Wear Factor:
(a) Front (FT): _____
(b) Drive (DT): _____
(c) Trailing (TT): _____
(10) Repair Cost Factor (RCF): _____

Page 1 of 6

Equipment Rate Computation Worksheet (copy as needed).

2. EQUIPMENT VALUE

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

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

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

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

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

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

(4) Total Discounted Price: Subtotal: [2.a.(2)] + [2.a.(3)] Subtotal =$ _____

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

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

c. TOTAL EQUIPMENT 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) = _____ yr(N)

4. OWNERSHIP COST

a. Depreciation

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

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

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

[($_____) x [1.0 – (___)] - [(_____) x ($ _____)]] / (_____ hr)

=$ _____ /hr

Page 2 of 6

Equipment Rate Computation Worksheet (copy as needed).

4. OWNERSHIP COST (Continued)

b. Facilities Capital Cost of Money (FCCM):

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

[[(_____ yr) - 1.0] x [1.0 + (_____)] + 2.0] / [2.0 x (_____ yr)] = _____ (AVF)

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

($ _____) x (____) x (_____) / (_____ hr/yr)

=$ _____ /hr

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

5. OPERATING COST

a. Fuel Costs:

(1) Equipment:

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

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

(2) Carrier:

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

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

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

b. FOG Cost:

(1) Equipment:

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

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

Page 3 of 6

Equipment Rate Computation Worksheet (copy as needed).

5. <u>OPERATING COST</u> (Continued)

(2) Carrier:

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

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

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

c. Alternative Fuel/FOG Cost: **Total [5.c.]** =$ _____ /hr
(See chapter 2, paragraph 24.d. for guidance on when to use.)

d. Repair Cost:

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

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

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

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

(2) Repair Factor (RF):

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

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

(3) Repair Cost

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

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

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

Page 4 of 6

Equipment Rate Computation Worksheet (copy as needed).

5. <u>OPERATING COST</u> (Continued)

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

(1) Front Tires (FT):

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

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

=$ _____ /hr

(2) Drive Tires (DT):

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

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

=$ _____ /hr

(3) Trailing Tires (TT):

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

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

=$ _____ /hr

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

f. Tire Repair Cost:

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

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

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

Page 5 of 6

Equipment Rate Computation Worksheet (copy as needed).

6. HOURLY RATES

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

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

($ _____ /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.

Page 6 of 6

Equipment Rate Computation Worksheet (copy as needed).

APPENDIX B

AREA FACTORS

APPENDIX B

AREA FACTORS

ALASKA

Region: 9

Total State Sales or Import Tax Rate:	0.00%	
Working Hours Per Year (WHPY):	1,040	hrs/yr
Labor Adjustment Factor (LAF):	1.22	
Electricity Cost Per Kilowatt-Hour:	$0.093	/kW-Hr
Gasoline Cost Per Gallon:	$1.73	/gal
Diesel Cost Per Gallon (Off-Road Use):	$1.16	/gal
Diesel Cost Per Gallon (On-Road Use):	$1.40	/gal
Cost-of-Money Rate (Full Rate):	6.375%	
Cost-of-Money Rate (Adjusted):	5.100%	

Freight Rates

over	0	cwt	thru	240	$20.91
over	240	cwt	thru	300	$18.89
over	300	cwt	thru	400	$16.86
over	400	cwt	thru	500	$15.23
over	500	cwt	thru	700	$13.60
over	700	cwt	thru	800	$13.83
over	800	cwt	thru	99,999	$11.50

APPENDIX B

AREA FACTORS (for all regions)

Below is a listing of all regional area factors for reference only. The area factor's used for this pamphlet are loacted on previous page B-1.

Reg			SST	WHPY	LAF	Elec	Gas	D-Off	D-On	Freight Cost Thru CWT	$	Thru CWT	$	Thru CWT	$	Thru CWT	$	Thru CWT	$	Thru CWT	$	Thru CWT	$
1	NORTHEAST	2001	5.50%	1360	1.15	$0.097	$1.56	$1.45	$1.69	240	$6.92	300	$6.25	400	$5.58	500	$5.04	700	$4.50	800	$4.73	99,999	$5.68
2	MIDEAST	2001	5.40%	1450	1.04	$0.063	$1.51	$1.34	$1.59	240	$5.24	300	$4.73	400	$4.23	500	$3.82	700	$3.41	800	$3.58	99,999	$4.33
3	SOUTHEAST	2001	7.60%	1530	0.83	$0.063	$1.42	$1.29	$1.53	240	$4.23	300	$3.82	400	$3.41	500	$3.08	700	$2.75	800	$2.65	99,999	$2.35
4	NORTHCENTRAL	2001	5.40%	1260	1.04	$0.060	$1.62	$1.40	$1.64	240	$5.71	300	$5.16	400	$4.61	500	$4.16	700	$3.71	800	$3.63	99,999	$3.32
5	MIDWEST	2001	7.10%	1400	0.98	$0.064	$1.48	$1.37	$1.61	240	$4.59	300	$4.14	400	$3.70	500	$3.34	700	$2.98	800	$2.74	99,999	$2.43
6	SOUTHWEST	2001	8.70%	1590	0.88	$0.070	$1.47	$1.29	$1.53	240	$5.29	300	$4.78	400	$4.27	500	$3.86	700	$3.44	800	$3.28	99,999	$3.01
7	WEST	2001	7.60%	1630	1.17	$0.064	$1.69	$1.58	$1.82	240	$7.17	300	$6.47	400	$5.78	500	$5.22	700	$4.66	800	$4.47	99,999	$4.01
8	NORTHWEST	2001	5.20%	1540	1.09	$0.047	$1.69	$1.60	$1.85	240	$8.65	300	$7.81	400	$6.97	500	$6.30	700	$5.62	800	$5.48	99,999	$4.98
9	ALASKA	2001	0.00%	1040	1.22	$0.093	$1.73	$1.16	$1.40	240	$20.91	300	$18.89	400	$16.86	500	$15.23	700	$13.60	800	$13.83	99,999	$11.50
10	HAWAII	2001	6.00%	1480	1.23	$0.140	$1.90	$1.44	$2.00	240	$21.11	300	$19.66	400	$18.24	500	$17.02	700	$15.82	800	$14.64	99,999	$11.53
11	PUERTO RICO	2001	6.60%	1560	0.74	$0.130	$1.46	$1.28	$1.52	240	$17.33	300	$16.25	400	$15.19	500	$14.26	700	$13.35	800	$12.31	99,999	$9.79
12	KWAJALEIN	2001	4.70%	1390	1.18	$0.124	$1.01	$0.98	$0.98	240	$21.11	300	$19.66	400	$18.24	500	$17.02	700	$15.82	800	$14.64	99,999	$11.53

SST = State Sales tax **WHPY = Work Hours Per Year** **LAF = Labor Adjustment Factor** **Elec = Electricty Cost Per kW-Hr**
Gas = Gasoline Cost per Gal **D-Off = Diesel-Off Road Cost per Gal** **D-On = Diesel-On Road Cost per Gal** **CWT = Hundred Pounds**

APPENDIX C

GUIDE FOR SELECTING OPERATING CONDITIONS

APPENDIX C GUIDE FOR SELECTING OPERATING CONDITIONS		
EQUIPMENT TYPE	**AVERAGE**	**SEVERE**
B25 and B35: Buckets Clamshell or Dragline	Working in gravels, silts, and sands at low impact fresh water environment.	Working in rock, hard digging, high impact, or salt water environment.
Depreciation Period:	8,000 - 10,000 hours	6,500 - 8,000 hours
C80, C90: Cranes Hydraulic, Truck Mounted Mechanical, Truck Mounted	Lift less than rated capacity, intermittent duty.	Continuous lift near rated capacity, excessive swing, abrasive materials, sloped surfaces, salt water environment.
Depreciation Period:	16,000 - 22,000 hours	13,000 - 18,000 hours
C85: Cranes, Mechanical Dragline, Lifting, or Clamshell Crawler Mounted	Gravels, silts, pull, and lift less than rated capacity.	Highly abrasive materials, impact breakout, continuous load near rated capacity. Salt water environment.
Depreciation Period:	14,000 - 20,000 hours	12,000 - 18,000 hours
G10: Generators	Working below rated capacity, good field conditions.	Working at or above rated capacity, poor field conditions, such as salt water.
Depreciation Period:	8,000 - 10,000 hours	7,000 - 8,000 hours

APPENDIX C GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)		
EQUIPMENT TYPE	**AVERAGE**	**SEVERE**
G15: Graders, Motor	Haul road maintenance. Road construction, ditching. Loose fill spreading. Landforming, landleveling. Summer road maintenance with medium to heavy winter snow removal. Elevating grader use.	Maintenance of hard packed roads with embedded rock. Heavy fill spreading. Ripping-scarifying of asphalt or concrete. Continuous high load factor. High impact.
Depreciation Period:	14,000 hours	12,000 hours
H25: Hydraulic Excavators Crawler Mounted	Clay, earth digging, no breakout impact, easy continuous or intermittent duty. Mass excavation or trenching where machine digs all the time in natural bed clay soils. Some traveling and steady, full throttle operation. Most log loading applications.	Rock work, pull near rated capacity, uneven surface, impact breakout, abrasive materials. Continuous trenching or truck loading in rock or shot rock soils. Large amount of travel over rough ground. Machine continuously working on rock floor with constant high load factor and high impact. Salt water environment.
Depreciation Period:	10,000 - 24,000 hours	8,000 - 20,000 hours
H30: Hydraulic Excavators Wheel Mounted	Continuous digging in sandy clay/sandy gravel, site development, and lumber yard applications.	Continuous digging in rock/natural bed clay, high impact, using hammer, working in forests or quarries.
Depreciation Period:	8,000 - 10,000 hours	6,500 - 8,000 hours

APPENDIX C GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)		
EQUIPMENT TYPE	**AVERAGE**	**SEVERE**
H35: Hydraulic Shovels Crawler Mounted (nonelectric)	Gravels, silts, well-broken rock, lift less than rated capacity. Continuous loading in well-shot rock or fairly tight bank. Good underfoot conditions; dry floor, little impact or sliding on undercarriage.	Extremely abrasive tough materials, lifting near rated capacity, impact breakout. Continuous loading in poorly-shot rock, lightly blasted tight banks, *e.g*. shales, caliches, cemented gravels, *etc*. Adverse underfoot conditions: rough floors, high impact sliding on undercarriage. Salt water environment.
Depreciation Period:	18,000 - 36,000 hours	15,000 - 30,000 hours
L10: Land Clearing Equipment	Working in low impact conditions at or below rated capacity.	High impact conditions working at or above rated capacity.
Depreciation Period:	10,000 hours	7,000 hours
L30: Loaders, Belt	Working below rated capacity, with intermittent service.	Working at or above rated capacity with continuous service.
Depreciation Period:	10,000 hours	8,000 hours

APPENDIX C GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)		
EQUIPMENT TYPE	**AVERAGE**	**SEVERE**
L35: Loaders, Front End Crawler Type	Bank excavation, intermittent ripping, basement digging of natural bed clays, sands, silts, and gravels. Some traveling. Steady full throttle operations.	Loading shot rock, cobbles. High density materials in standard bucket. Continuous work on rock surfaces. Large amount of ripping of tight rock materials. High impact conditions. Salt water environment.
Depreciation Period:	10,000 hours	8,000 hours
L40: Loaders, Front End Wheel Type (does not include skid steer and tool carriers)	Continuous truck loading from stockpile. Low to medium density materials in properly-sized bucket. Hopper charging in low-to medium-rolling resistance. Loading from bank in good digging. Load and carry on poor surfaces and slight adverse grades.	Loading shot rock (large loaders). Handling high-density materials with counterweighted machine. Steady loading from very tight banks. Continuous work on rough or very soft surfaces. Load and carry in hard digging; travel longer distances on poor surfaces with adverse grades. Salt water environment.
Depreciation Period:	12,000 - 14,000 hours	10,000 - 12,000 hours
L45 and L50: Loaders with Backhoe Crawler Type and Wheel Type	Utility applications in medium to heavy soil. Occasional use of constant flow implements. Dig depths to 3.05 meters (10 feet).	Production applications or digging in rock. Regular use of constant flow implements. Dig depths over 3.05 meters (10 feet).
Depreciation Period:	10,000 hours	6,000 - 8,000 hours

APPENDIX C GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)		
EQUIPMENT TYPE	**AVERAGE**	**SEVERE**
L60: Log Skidders Depreciation Period:	Continuous turning, steady skidding for medium distances with moderate decking. Good underfooting: dry floor with few stumps and gradual rolling terrain. 8,000 hours	Continuous turning, steady skidding for long distances with frequent decking. Poor underfoot conditions: wet floor, steep slopes, and numerous stumps. Salt water environment. 7,000 hours
M10 - .31 and .32: Clamshell dredges < 5 cy Amphibious Excavator Depreciation Period:	Gravel, silts, breakout force at less than capacity, fresh water conditions. 12,000 - 20,000 hours	Rock, abrasive materials, load at rated capacity, salt water conditions. 9,000 - 18,000 hours
M10 - .51 and .53: Boats, Skiffs, Crew Boats, Work Boats, Survey Boats and Launches Depreciation Period:	Fresh water applications, light waves, steady to light use. 16,000 - 18,000 hours	Salt water use, medium to high waves, heavy use. 13,000 - 15,000 hours
P35: Pipelayers Depreciation Period:	Typical pipelayer use in operating conditions ranging from very good to severe. 17,000 hours	Continuous use in deep mud or water or on rock surfaces. 13,000 hours

APPENDIX C GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)		
EQUIPMENT TYPE	**AVERAGE**	**SEVERE**
R10: Rippers and Bank Slopers	Light rock medium breakout force required.	Hard rock, excessive wear due to high breakout force.
Depreciation Period:	8,000 hours	6,500 hours
S10, S15, S20, and S25: Scrapers Self-Propelled Tractor Drawn Soil Stabilizers	Varying loading and haul road conditions. Long and short hauls. Adverse and favorable grades. Some impact. Typical road-building use on a variety of jobs.	High impact conditions, such as loading ripped rock. Continuous high total resistance conditions. Rough haul roads. Overloading.
Depreciation Period:	12,000 - 17,000 hours	10,000 - 12,000 hours
T15: Tractors Crawler (Dozer)	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.	Heavy rock ripping. Tandem ripping. Pushloading and dozing in hard rock. Work on rock surfaces. Continuous high impact conditions. Salt water environment.
Depreciation Period:	10,000 - 24,000 hours	8,000 - 19,000 hours

APPENDIX C GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)		
EQUIPMENT TYPE	**AVERAGE**	**SEVERE**
T20: Tractors Wheel Type (Dozer) Depreciation Period:	Production dozing, push loading in clays, sands, silts, loose gravels. Shovel Cleanup. 12,000 hours	Production dozing in rock. Push loading in rocky, boulder-strewn borrow pits. High impact conditions. Landfill compactor work. 8,000 hours
T30: Trenchers Chain and Wheel Type Depreciation Period:	Working in sands and silts below rated capacity of the machine. 10,000 hours	Working in gravels and abrasive materials at or above the rated capacity of the machine. 8,000 hours
T45 and T50: Truck Trailers Trucks, Highway Depreciation Period:	Varying loading and road conditions. Typical construction use on a variety of jobs. 8,000 - 12,000 hours	Consistently poor road conditions. Oversized loading equipment. 6,500 - 8,000 hours

APPENDIX C GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)		
EQUIPMENT TYPE	**AVERAGE**	**SEVERE**
T55 and T60: Truck, Off-Highway Trucks, Water, Off-Highway (Articulated and Rigid)	Varying load and haul road conditions. High rolling resistance and poor traction during part of the job. Some adverse grades. Some impact loads. Typical use in road building, dam construction, open-pit mining, *etc*.	Continuous use on very poorly maintained haul roads, high rolling resistance and poor traction. Frequent adverse grades and high impact loads. Poorly attached loading equipment with continuous overloading.
Depreciation Period:	10,000 - 30,000 hours	8,000 - 24,000 hours
T65 - .20 and .40: Tunnel/Mining Equipment Tunnel Boring Machines Roadheaders Continuous Miners	Mining rock in average conditions, machine working below rated capacity.	Mining hard rock in severe working conditions, machine working at rated capacity.
Depreciation Period:	16,000 - 18,000 hours	14,000 - 16,000 hours
W10 and W15: Wagons Bottom Dump Rear Dump	Varying load and haul road conditions. Long and short hauls. High rolling resistance and poor traction during part of the job. Some adverse grades. Some impact. Typical road building use in a variety of jobs, dam construction, open pit mining, *etc*.	Continuous use on very poorly maintained haul roads, high rolling resistance, and poor traction. High impact conditions, such as loading ripped rock. Frequent adverse grades and high impact loads. Poorly matched loading equipment with continuous overloading.
Depreciation Period:	12,000 hours	10,000 hours

APPENDIX D

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS

APPENDIX D
EQUIPMENT HOURLY CALCULATION FACTORS

CATEGORY	SUB	DESCRIPTION	EK	C	DC	LIFE	SLV	HPF	EQUIPMENT FUEL FACTORS E	G	D	HPF	CARRIER FUEL FACTORS E	G	D	FOG FACTORS E	G	D	TIRE WEAR FACTORS FT	DT	TT	RCF
A10	0.00	AGGREGATE / CHIP SPREADERS	1																			
A10	0.10	SELF-PROPELLED	10	A	B	8,000	0.20	70	.700	.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 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	0	.000	.000	.000	.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		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
B30	0.00	BUCKETS, CONCRETE	1																			

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 E	G	D	HPF	CARRIER FUEL FACTORS E	G	D	FOG FACTORS E	G	D	TIRE WEAR FACTORS FT	DT	TT	RCF
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		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		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		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	0.00	0.66	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 / SHOTCRETERS	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
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 (sawblade wear not included)	95	A	B	6,000	0.10	90	.900	.090	.460	0	.000	.000	.000	.477	.339	.403	0.00	0.00	0.90	1.00

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 E	G	D	HPF	CARRIER FUEL FACTORS E	G	D	FOG FACTORS E	G	D	TIRE WEAR FACTORS FT	DT	TT	RCF
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	16,000	0.15	65	.650	.065	.033	10	.100	.010	.006	.000	.403	.382	0.97	0.78	0.00	0.60
C80	0.01		20	S	B	13,000	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	18,000	0.15	65	.650	.065	.033	10	.100	.010	.006	.000	.318	.276	0.97	0.78	0.00	0.70
C80	0.02		20	S	B	15,000	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	20,000	0.15	65	.650	.065	.033	10	.100	.010	.006	.000	.318	.276	0.97	0.78	0.00	0.80
C80	0.03		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	22,000	0.15	65	.650	.065	.033	10	.100	.010	.006	.000	.318	.276	0.97	0.78	0.00	0.90
C80	0.04		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		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		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		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		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		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		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
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		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

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 E	G	D	HPF	CARRIER FUEL FACTORS E	G	D	FOG FACTORS E	G	D	TIRE WEAR FACTORS FT	DT	TT	RCF
C85	0.24		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	16,000	0.15	50	.500	.050	.026	10	.100	.010	.005	.000	.403	.382	0.97	0.78	0.00	0.60
C90	0.01		20	S	B	13,000	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	18,000	0.15	50	.500	.050	.026	10	.100	.010	.005	.000	.318	.276	0.97	0.78	0.00	0.70
C90	0.02		20	S	B	15,000	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	20,000	0.20	50	.500	.050	.026	10	.100	.010	.005	.000	.318	.276	0.97	0.78	0.00	0.80
C90	0.03		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	22,000	0.20	50	.500	.050	.026	10	.100	.010	.005	.000	.318	.276	0.97	0.78	0.00	0.90
C90	0.04		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	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
D15	0.00	DRILLS, HORIZONTAL BORING & GROUND PIERCING	25	A	B	12,000	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	25	A	B	10,000	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	25	A	B	12,000	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	25	A	B	12,000	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	1																			
D35	0.11	DIESEL, 4.5" THRU 9.875" DIAMETER HOLE	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	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	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	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		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		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	15,000	0.25	60	.600	.060	.031	0	.000	.000	.000	.000	.212	.360	0.89	0.71	0.00	0.70

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									EQUIPMENT FUEL FACTORS				CARRIER FUEL FACTORS			FOG FACTORS			TIRE WEAR FACTORS			
	SUB	DESCRIPTION	EK	C	DC	LIFE	SLV	HPF	E	G	D	HPF	E	G	D	E	G	D	FT	DT	TT	RCF
G15	0.00		35	S	B	12,000	0.25	78	.780	.078	.040	0	.000	.000	.000	.000	.212	.360	0.71	0.51	0.00	0.75
H10	0.00	HAMMERS, HYDRAULIC (DEMOLITION TOOL)	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
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	0.11	0 LBS THRU 40,000 LBS	65	A	B	10,000	0.25	65	.650	.065	.033	0	.000	.000	.000	.000	.403	.403	0.00	0.00	0.00	0.70
H25	0.11		65	S	B	8,000	0.25	85	.850	.085	.044	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	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		65	S	B	10,000	0.25	80	.800	.080	.041	0	.000	.000	.000	.000	.403	.403	0.00	0.00	0.00	0.90
H25	0.13	OVER 100,000 LBS THRU 160,000 LBS	65	A	B	18,000	0.25	65	.650	.065	.033	0	.000	.000	.000	.000	.233	.233	0.00	0.00	0.00	1.10
H25	0.13		65	S	B	15,000	0.25	85	.850	.085	.044	0	.000	.000	.000	.000	.233	.233	0.00	0.00	0.00	1.20
H25	0.14	OVER 160,000 LBS	65	A	B	24,000	0.25	65	.650	.065	.033	0	.000	.000	.000	.000	.254	.254	0.00	0.00	0.00	1.20
H25	0.14		65	S	B	20,000	0.25	85	.850	.085	.044	0	.000	.000	.000	.000	.254	.254	0.00	0.00	0.00	1.30
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																			

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 E	G	D	HPF	CARRIER FUEL FACTORS E	G	D	FOG FACTORS E	G	D	TIRE WEAR FACTORS FT	DT	TT	RCF
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		65	S	B	6,000	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		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	18,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.000	.233	.233	0.00	0.00	0.00	1.00
H35	0.11		65	S	B	15,000	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	36,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.000	.254	.254	0.00	0.00	0.00	1.20
H35	0.12		65	S	B	30,000	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
H35	0.21		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		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	0	.000	.000	.000	.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		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	8,000	0.20	70	.700	.070	.036	0	.000	.000	.000	.000	.339	.403	0.00	0.00	0.00	1.35
L35	0.00		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
L40	0.00	LOADERS, FRONT END, WHEEL TYPE	1																			
L40	0.11	ARTICULATED, 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	0.70
L40	0.11		45	S	B	8,000	0.25	85	.850	.085	.044	0	.000	.000	.000	.000	.339	.445	0.41	0.22	0.00	0.75
L40	0.12	ARTICULATED, OVER 225 HP	45	A	B	12,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.000	.339	.318	0.70	0.42	0.00	0.70
L40	0.12		45	S	B	10,000	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

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 E	G	D	HPF	CARRIER FUEL FACTORS E	G	D	FOG FACTORS E	G	D	TIRE WEAR FACTORS FT	DT	TT	RCF
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	0.75
L40	0.31		45	S	B	8,000	0.25	85	.850	.085	.044	0	.000	.000	.000	.000	.339	.445	0.41	0.22	0.00	0.80
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	0.75
L40	0.32		45	S	B	10,000	0.15	85	.850	.085	.044	0	.000	.000	.000	.000	.339	.318	0.41	0.22	0.00	0.80
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		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
L50	0.00		45	S	B	5,000	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	8,000	0.15	65	.650	.065	.033	0	.000	.000	.000	.000	.254	.297	0.73	0.44	0.00	0.80
L60	0.00		75	S	B	7,000	0.15	85	.850	.085	.044	0	.000	.000	.000	.000	.254	.297	0.38	0.21	0.00	0.85
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 MAINTENACE 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,TRANSPOR	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",TRANSPORTABL	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,TRANSPORT	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,TRANSPORTABL	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		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		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	0.41	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

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 E	G	D	HPF	CARRIER FUEL FACTORS E	G	D	FOG FACTORS E	G	D	TIRE WEAR FACTORS FT	DT	TT	RCF
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
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	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		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	0.51		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		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	STEAM	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	STEAM	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	17,500	0.20	35	.350	.035	.018	0	.000	.000	.000	.000	.000	.424	0.00	0.00	0.00	1.05
P35	0.00		70	S	B	12,500	0.20	46	.460	.046	.024	0	.000	.000	.000	.000	.000	.424	0.00	0.00	0.00	1.15
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	0.00	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	0.00	0.50

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 E	G	D	HPF	CARRIER FUEL FACTORS E	G	D	FOG FACTORS E	G	D	TIRE WEAR FACTORS FT	DT	TT	RCF
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
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(no point wear included)	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		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

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 E	G	D	HPF	CARRIER FUEL FACTORS E	G	D	FOG FACTORS E	G	D	TIRE WEAR FACTORS FT	DT	TT	RCF
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
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	12,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.000	.000	.424	0.59	0.33	0.65	0.75
S10	0.01		60	S	B	10,000	0.20	85	.850	.085	.044	0	.000	.000	.000	.000	.000	.424	0.39	0.19	0.43	0.80
S10	0.02	OVER 200 HP	60	A	B	14,000	0.25	65	.650	.065	.033	0	.000	.000	.000	.000	.000	.339	0.59	0.33	0.65	0.65
S10	0.02		60	S	B	12,000	0.25	85	.850	.085	.044	0	.000	.000	.000	.000	.000	.339	0.39	0.19	0.43	0.70
S15	0.00	SCRAPERS, CONVENTIONAL	60	A	B	17,000	0.20	60	.600	.060	.031	0	.000	.000	.000	.000	.000	.339	0.59	0.33	0.65	0.65
S15	0.00		60	S	B	12,000	0.20	78	.780	.078	.040	0	.000	.000	.000	.000	.000	.339	0.39	0.19	0.43	0.70
S20	0.00	SCRAPERS, TANDEM POWERED	60	A	B	17,000	0.20	62	.620	.062	.032	62	.620	.062	.032	.000	.000	.276	0.59	0.33	0.65	0.65
S20	0.00		60	S	B	12,000	0.20	81	.810	.081	.042	81	.810	.081	.042	.000	.000	.276	0.39	0.19	0.43	0.70
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		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		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		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		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		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		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	6,000	0.20	70	.700	.070	.036	0	.000	.000	.000	.000	.000	.297	0.59	0.33	0.65	0.85
S40	0.00		60	S	B	5,000	0.20	91	.910	.091	.047	0	.000	.000	.000	.000	.000	.297	0.39	0.19	0.43	0.95

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 E	G	D	HPF	CARRIER FUEL FACTORS E	G	D	FOG FACTORS E	G	D	TIRE WEAR FACTORS FT	DT	TT	RCF
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	.000	0.00	0.00	0.84	0.80
T10	0.00		70	S	B	8,000	0.20	0	.000	.000	.000	0	.000	.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	12,000	0.30	70	.700	.070	.036	0	.000	.000	.000	.000	.000	.382	0.00	0.00	0.00	1.20
T15	0.01		70	S	B	10,000	0.30	91	.910	.091	.047	0	.000	.000	.000	.000	.000	.382	0.00	0.00	0.00	1.30
T15	0.02	226 HP THRU 425 HP	70	A	B	20,000	0.25	70	.700	.070	.036	0	.000	.000	.000	.000	.000	.297	0.00	0.00	0.00	1.00
T15	0.02		70	S	B	16,000	0.25	91	.910	.091	.047	0	.000	.000	.000	.000	.000	.297	0.00	0.00	0.00	1.10
T15	0.03	OVER 425 HP	70	A	B	24,000	0.20	60	.600	.060	.031	0	.000	.000	.000	.000	.000	.254	0.00	0.00	0.00	1.10
T15	0.03		70	S	B	19,000	0.20	78	.780	.078	.040	0	.000	.000	.000	.000	.000	.254	0.00	0.00	0.00	1.20
T20	0.00	TRACTORS, WHEEL TYPE (DOZER)	75	A	B	12,000	0.15	60	.600	.060	.031	0	.000	.000	.000	.000	.254	.297	0.73	0.44	0.00	0.60
T20	0.00		75	S	B	8,000	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	0.70
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		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		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		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	0	.000	.000	.000	.477	.339	.339	0.00	0.00	0.65	0.70
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

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 E	G	D	HPF	CARRIER FUEL FACTORS E	G	D	FOG FACTORS E	G	D	TIRE WEAR FACTORS FT	DT	TT	RCF
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		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		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		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 OPTION	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		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		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	30,000	0.15	35	.350	.035	.018	0	.000	.000	.000	.000	.000	.360	0.59	0.36	0.65	0.60
T55	0.10		90	S	B	24,000	0.15	45	.450	.045	.023	0	.000	.000	.000	.000	.000	.360	0.39	0.21	0.43	0.70
T55	0.20	ARTICULATED FRAME	90	A	B	10,000	0.15	50	.500	.050	.026	0	.000	.000	.000	.000	.000	.200	0.59	0.36	0.65	0.60
T55	0.20		90	S	B	8,000	0.15	60	.600	.060	.031	0	.000	.000	.000	.000	.000	.200	0.39	0.21	0.43	0.70
T56	0.00	TRUCKS,OFF-HIGHWAY/PRIME MOVER TRACTORS & WAGON	1																			
T56	0.10	PRIME MOVER TRACTORS	90	A	B	30,000	0.15	40	.400	.040	.021	0	.000	.000	.000	.000	.254	.360	0.59	0.36	0.65	0.60
T56	0.10		90	S	B	24,000	0.15	65	.650	.065	.033	0	.000	.000	.000	.000	.254	.339	0.39	0.22	0.43	0.70
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

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									EQUIPMENT FUEL FACTORS				CARRIER FUEL FACTORS			FOG FACTORS			TIRE WEAR FACTORS			
	SUB	DESCRIPTION	EK	C	DC	LIFE	SLV	HPF	E	G	D	HPF	E	G	D	E	G	D	FT	DT	TT	RCF
T56	0.20		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		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		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		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	16,000	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	16,000	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	16,000	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	16,000	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		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		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																			
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	.000	.000	0	.000	.000	.000	.530	.000	.000	0.77	0.73	0.90	1.00
W30	0.00	WATER TANKS	1																			

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 E	G	D	HPF	CARRIER FUEL FACTORS E	G	D	FOG FACTORS E	G	D	TIRE WEAR FACTORS FT	DT	TT	RCF
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)
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 E

ECONOMIC INDEXES FOR

CONSTRUCTION EQUIPMENT

APPENDIX E

ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT

Note: Table 2-1 Equipment Rates are based on equipment purchased new in the year 1998

KEY (EK)	EQUIPMENT DIVISIONS	{--Projected---------} 2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
5	Air Equipment	2250	2180	2113	2047	2078	2074	2070	2063	2053	2012	2022	2008	1963	1956	1888	1801	1730	1720	1733
10	Asphalt & Concrete Paving Equipment	4085	3959	3836	3717	3638	3589	3490	3390	3323	3248	3189	3092	3106	2967	2867	2793	2730	2687	2687
15	Buckets	7584	7349	7121	6900	6982	6930	6888	6774	6672	6638	6663	6380	5901	5640	5314	4872	4767	4713	4640
20	Cranes, Draglines & Clamshells - Crawler & Truck Mtd	5836	5655	5480	5310	5289	5225	5116	5013	4880	4783	4736	4540	4298	4152	3967	3688	3595	3485	3395
25	Drills	4106	3979	3856	3736	3683	3626	3574	3518	3394	3320	3268	3196	3163	3069	2969	2807	2792	2786	2832
30	Generators	4978	4823	4674	4529	4520	4517	4484	4511	4457	4343	4294	4234	4181	4116	3998	3773	3575	3514	3510
35	Graders, Motor	6542	6339	6142	5952	5853	5682	5544	5466	5186	5088	4946	4655	4509	4359	4219	4010	3914	3759	3738
40	Loaders, Track	6630	6424	6225	6032	5960	5792	5686	5606	5434	5257	5068	4816	4677	4555	4404	4163	3918	3770	3767
45	Loaders, Wheel	6119	5929	5745	5567	5511	5409	5303	5251	5101	4988	4894	4758	4640	4532	4409	4235	4099	3991	3973
50	Pile Driving Equipment	5619	5444	5276	5112	5062	4993	4892	4809	4700	4598	4539	4427	4305	4182	4029	3845	3745	3668	3626
55	Rollers	5638	5464	5294	5130	5204	5092	5001	4950	4851	4719	4484	4460	4668	4630	4507	4412	4217	4151	4090
60	Scrapers & Soil Stabilizers	6542	6339	6142	5952	5853	5682	5544	5466	5186	5088	4946	4655	4509	4359	4219	4010	3914	3759	3738
65	Shovels, Backhoes & Hydraulic Excavators	5836	5655	5480	5310	5289	5225	5116	5013	4880	4783	4736	4540	4298	4152	3967	3688	3595	3485	3395
70	Tractors, Crawlers & Attachments	6630	6424	6225	6032	5960	5792	5686	5606	5434	5257	5068	4816	4677	4555	4404	4163	3918	3770	3767
75	Tractor, Wheel	5392	5225	5063	4906	4833	4695	4624	4540	4527	4484	4342	4270	4186	4123	4018	3936	3862	3820	3818
80	Trenchers	6960	6744	6535	6332	6223	6042	5833	5749	5670	5509	5207	5015	4948	4886	4753	4679	4600	4586	4488
85	Trucks, Highway	4629	4486	4347	4212	4307	4216	4241	4318	4293	4190	4025	3838	3669	3546	3495	3363	3299	3282	3139
90	Trucks & Wagons - Off-Highway	6406	6207	6014	5828	5715	5651	5581	5440	5265	4979	4837	4797	4739	4617	4405	4094	3915	3840	3822
95	All Other Equipment	5619	5444	5276	5112	5062	4993	4892	4809	4700	4598	4539	4427	4305	4182	4029	3845	3745	3668	3626
100	All Tires & Tubes	2608	2527	2449	2373	2371	2400	2431	2475	2559	2517	2525	2524	2506	2470	2480	2399	2322	2340	2374
105	Marine Equipment	6204	6012	5826	5645	5556	5513	5429	5245	5036	4951	4881	4679	4438	4271	4091	3920	3886	3863	3749

EK = Economic Key

APPENDIX E
ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT

KEY (EK)	EQUIPMENT DIVISIONS	Note: Table 2-1 Equipment Rates are based on equipment purchased new in the year 1998																	
		1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969	1968	1967
5	Air Equipment	1683	1695	1668	1563	1630	1521	1354	1295	1186	1165	1028	935	920	929	936	918	970	1000
10	Asphalt & Concrete Paving Equipment	2611	2583	2620	2461	2296	2111	1941	1815	1686	1610	1451	1304	1263	1235	1163	1091	1044	1000
15	Buckets	4527	4471	4541	4313	3879	3280	2963	2738	2520	2175	1838	1430	1370	1316	1188	1062	1025	1000
20	Cranes, Draglines & Clamshells - Crawler & Truck Mtd	3339	3282	3213	3009	2782	2512	2301	2138	2010	1843	1522	1305	1260	1212	1147	1090	1049	1000
25	Drills	2803	2836	2810	2602	2265	1993	1858	1699	1638	1559	1373	1249	1184	1160	1115	1052	1037	1000
30	Generators	3400	3314	3236	3160	2817	2390	2301	2128	2053	1839	1456	1316	1293	1243	1188	1089	1029	1000
35	Graders, Motor	3645	3643	3561	3276	2992	2687	2492	2259	2109	1956	1604	1361	1244	1208	1152	1101	1053	1000
40	Loaders, Track	3791	3792	3655	3349	3061	2750	2482	2247	2053	1916	1573	1329	1219	1184	1135	1100	1079	1000
45	Loaders, Wheel	3944	3873	3788	3441	2938	2606	2375	2156	2002	1907	1584	1362	1317	1261	1197	1144	NA	NA
50	Pile Driving Equipment	3570	3519	3439	3208	2894	2562	2329	2135	1989	1852	1523	1307	1257	1218	1159	1104	NA	NA
55	Rollers	3926	3744	3431	3199	2913	2653	2396	2139	1983	1872	1556	1328	1279	1230	1178	1082	1049	1000
60	Scrapers & Soil Stabilizers	3645	3643	3561	3276	2992	2687	2492	2259	2109	1956	1604	1361	1244	1208	1152	1101	1053	1000
65	Shovels, Backhoes & Hydraulic Excavators	3339	3282	3213	3009	2782	2512	2301	2138	2010	1843	1522	1305	1260	1212	1147	1090	1049	1000
70	Tractors, Crawlers & Attachments	3791	3792	3655	3349	3061	2750	2482	2247	2053	1916	1573	1329	1219	1184	1135	1100	1079	1000
75	Tractor, Wheel	3656	3557	3530	3256	2927	2578	2319	2125	1956	1843	1498	1288	1251	1211	1152	1109	1050	1000
80	Trenchers	4431	4360	4097	3618	3153	2772	2580	2300	1894	1633	1527	1384	1316	1284	1207	1113	1051	1000
85	Trucks, Highway	3055	2934	2824	2638	2324	2108	1934	1775	1646	1524	1369	1230	1211	1185	1114	1062	1033	1000
90	Trucks & Wagons - Off-Highway	3786	3744	3662	3363	2964	2588	2364	2196	2081	1965	1568	1315	1293	1245	1190	1135	NA	NA
95	All Other Equipment	3570	3519	3439	3208	2894	2562	2329	2135	1989	1852	1523	1307	1257	1218	1159	1104	1057	1000
100	All Tires & Tubes	2421	2453	2552	2506	2369	2055	1792	1699	1615	1485	1334	1114	NA	NA	NA	NA	NA	NA
105	Marine Equipment	3633	3497	3391	3239	2922	2587	2352	2156	2008	1870	1538	1320	1269	1230	1170	1115	1067	1000

EK = Economic Key

APPENDIX F

TIRE DESCRIPTION AND TIRE COST

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
LT TRUCK/RECREATIONAL VEHICLE, RADIAL						
WORKHORSE RADIAL			*(Life = 5000 hrs)*			
(ABAA4)		800R165LT	8.00 x 16.50	8	TL	$122
(ABAA1)		LT235/75R15	9.25 x 15.00	6	TL	$104
(ABAA3)		LT265/75R16	10.40 x 16.00	6	TL	$135
(ABAA2)		31-1050R15LT	10.50 x 15.00	6	TL	$126
WORKHORSE EXTRA GRIP RADIAL			*(Life = 5000 hrs)*			
(ABAB1)		P215/70R14	8.40 x 14.00	S2	TL	$79
(ABAB2)		P215/75R15	8.40 x 15.00	S2	TL	$79
SERVICE TRAILER - MARATHON RADIAL			*(Life = 5000 hrs)*			
(ABBF1)		ST175/80R13	6.90 x 13.00	4	TL	$67
(ABBF3)		ST185/80R13	7.30 x 13.00	6	TL	$77
(ABBF5)		ST205/75R14	8.10 x 14.00	6	TL	$93
(ABBF8)		ST205/75R15	8.10 x 15.00	6	TL	$102
(ABBF6)		ST215/75R14	8.40 x 14.00	6	TL	$98
(ABBF9)		ST225/75R15	8.80 x 15.00	6	TL	$113
(ABBF10)		ST225/75R15	8.80 x 15.00	8	TL	$122
LT TRUCK/RECREATIONAL VEHICLE, BIAS						
WORKHORSE RIB			*(Life = 5000 hrs)*			
(ACBA1)		700-15LT	7.00 x 15.00	6	TL	$92
(ACBA2)		700-15LT	7.00 x 15.00	8	TL	$98
(ACBA4)		750-16LT	7.50 x 16.00	10	TL	$114
(ACBA5)		800-16.5LT	8.00 x 16.50	8	TL	$101
(ACBA7)		875-16.5LT	8.75 x 16.50	10	TL	$116
(ACBA9)		950-16.5LT	9.50 x 16.50	10	TL	$128
TRACTION HI-MILER			*(Life = 5000 hrs)*			
(ACBC1)		6.70-15LT	6.70 x 15.00	6	TL	$91
(ACBC3)		8-14.5LT	8.00 x 14.50	12	TL	$190
(ACBC4)		9-14.5LT	9.00 x 14.50	12	TL	$213
CUSTOM HI-MILER			*(Life = 5000 hrs)*			
(ACBD1)		12-16.5LT	12.00 x 16.50	12	TL	$365
(ACBD2)		14-17.5	14.00 x 17.50	10	TL	$689
OVER-THE-ROAD TRUCK, COMMERCIAL, RADIAL						
COMMERICAL RADIAL LT TRUCK			*(Life = 5000 hrs)*			
(ADCA2)		LT225/75R16	7.50 x 16.00	10	TL	$156
(ADCA1)		750R16LT	7.50 x 16.00	8	TL	$171

(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
(ADCA14)		8R17.5	8.00 x 17.50	10	TL	$179
(ADCA17)		8R19.5	8.00 x 19.50	10	TL	$277
(ADCA18)		8R195	8.00 x 19.50	12	TL	$186
(ADCA4)		LT215/85R16	8.40 x 16.00	10	TL	$177
(ADCA3)		LT215/85R16	8.40 x 16.00	8	TL	$163
(ADCA13)		875R16.5	8.75 x 16.50	10	TL	$165
(ADCA6)		LT225/75R16	8.85 x 16.00	10	TL	$184
(ADCA19)		225/70R195	8.85 x 19.50	12	TL	$223
(ADCA8)		LT235/85R16	9.25 x 16.00	10	TL	$177
(ADCA15)		950R16.5LT	9.50 x 16.50	8	TL	$141
(ADCA11)		LT245/75R16	9.65 x 16.00	10	TL	$185
(ADCA21)		245/70R195	9.65 x 19.50	14	TL	$251
COMMERCIAL RADIAL TRUCK TL			***(Life = 5000 hrs)***			
(ADCB1)		8.5R17.5	8.50 x 17.50	12	TL	$186
(ADCB2)		9R17.5	9.00 x 17.50	16	TL	$192
(ADCB5)		9R22.5	9.00 x 22.50	12	TL	$238
(ADCB3)		10R17.5	10.00 x 17.50	16	TL	$210
(ADCB7)		10R22.5	10.00 x 22.50	14	TL	$313
(ADCB4)		11R17.5	11.00 x 17.50	16	TL	$284
(ADCB8)		11R22.5	11.00 x 22.50	14	TL	$395
(ADCB9)		11R22.5	11.00 x 22.50	16	TL	$412
(ADCB13)		11R24.5	11.00 x 24.50	16	TL	$424
(ADCB10)		12R22.5	12.00 x 22.50	16	TL	$494
(ADCB14)		12R24.5	12.00 x 24.50	16	TL	$509
LOW PROFILE RADIAL TRUCK TL			***(Life = 5000 hrs)***			
(ADCC1)		215/75R17.5	8.40 x 17.50	16	TL	$199
(ADCC5)		245/75R22.5	9.60 x 22.50	14	TL	$233
(ADCC3)		255/70R22.5	10.00 x 22.50	16	TL	$281
(ADCC2)		265/70R19.5	10.40 x 19.50	14	TL	$243
(ADCC6)		265/75R22.5	10.40 x 22.50	14	TL	$285
(ADCC4)		275/70R22.5	10.80 x 22.50	16	TL	$324
(ADCC12)		285/75R24.5	11.20 x 24.50	14	TL	$405
(ADCC8)		295/75R22.5	11.60 x 22.50	16	TL	$382
(ADCC10)		315/80R22.5	12.40 x 22.50	18	TL	$481
SUPER SINGLE COMMERCIAL RADIAL TRUCK			***(Life = 5000 hrs)***			
(ADCD1)		385/65R22.5	15.10 x 22.50	18	TL	$560
(ADCD2)		425/65R22.5	16.70 x 22.50	20	TL	$635
(ADCD3)		445/65R22.5	17.50 x 22.50	20	TL	$717
COMMERCIAL RADIAL TRUCK TT			***(Life = 5000 hrs)***			
(ADCE1)		825R15	8.25 x 15.00	14	TT	$221
(ADCE5)		825R20	8.25 x 20.00	12	TT	$216

(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
(ADCE6)		900R20	9.00 x 20.00	12	TT	$275
(ADCE3)		1000R15	10.00 x 15.00	14	TT	$284
(ADCE7)		1000R20	10.00 x 20.00	14	TT	$308
(ADCE13)		1000R22	10.00 x 22.00	14	TT	$341
(ADCE12)		365/80R20	10.40 x 20.00	18	TT	$522
(ADCE9)		1100R20	11.00 x 20.00	14	TT	$356
(ADCE10)		1100R20	11.00 x 20.00	16	TT	$442
(ADCE14)		1100R22	11.00 x 22.00	16	TT	$458
(ADCE15)		1100R24	11.00 x 24.00	16	TT	$443
(ADCE11)		1200R20	12.00 x 20.00	18	TT	$468
(ADCE17)		1200R24	12.00 x 24.00	18	TT	$488
(ADCE16)		1400R20	14.00 x 20.00	20	TT	$605
OVER-THE-ROAD TRUCK, COMMERCIAL, BIAS						
COMMERCIAL BIAS PLY TRUCK TL			*(Life = 5000 hrs)*			
(AEDA1)		10-22.5	10.00 x 22.50	10	TL	$193
(AEDA2)		11-22.5	11.00 x 22.50	12	TL	$274
(AEDA3)		11-24.5	11.00 x 24.50	12	TL	$253
COMMERCIAL BIAS PLY TRUCK TT			*(Life = 5000 hrs)*			
(AEDB1)		7.50-20	7.50 x 20.00	10	TT	$121
(AEDB2)		8.25-20	8.25 x 20.00	10	TT	$146
(AEDB3)		9.00-20	9.00 x 20.00	10	TT	$176
(AEDB4)		9.00-20	9.00 x 20.00	12	TT	$196
(AEDB5)		10.00-20	10.00 x 20.00	12	TT	$233
(AEDB7)		11.00-20	11.00 x 20.00	14	TT	$315
(AEDB8)		12.00-20	12.00 x 20.00	14	TT	$422
(AEDB9)		14.00-24	14.00 x 24.00	20	TT	$795
FARM, FRONT						
ALL SERVICE NON DIRECTIONAL			*(Life = 5000 hrs)*			
(AFEA1)	NDCC-M	40-19-195	19.00 x 19.50	14	TL	$919
AM IMPLEMENT			*(Life = 5000 hrs)*			
(AFEB3)	I-1	100/80-12	3.90 x 12.00	8	TL	$236
(AFEB2)	I-1	125/80-18	4.90 x 18.00	10	TL	$399
DRILL RIB			*(Life = 5000 hrs)*			
(AFEC1)	I-1	750-20	7.50 x 20.00	4	TL	$198
DYNA RIB F-2-M			*(Life = 5000 hrs)*			
(AFED2)	F-2M	1000-16	10.00 x 16.00	8	TL	$139
(AFED1)	F-2M	11L-15	11.00 x 15.00	6	TL	$159
(AFED4)	F-2M	1100-16	11.00 x 16.00	12	TL	$280

(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
(AFED8)	F-2M	1100-24	11.00 x 24.00	12	TL	$502
(AFED6)	F-2M	14L-161	14.00 x 16.10	10	TL	$387
(AFED7)	F-2M	165L-161	16.50 x 16.10	8	TL	$459
SINGLE RIB FRONT TRACTOR F-1			***(Life = 5000 hrs)***			
(AFEE1)	F-1	600-16	6.00 x 16.00	4	TT	$88
(AFEE2)	F-2	750-16	7.50 x 16.00	6	TL	$123
FARM HIGHWAY SERVICE			***(Life = 5000 hrs)***			
(AFEF2)	I-1	95L-15FI	9.50 x 15.00	8	TL	$105
(AFEF5)	I-1	11L-15FI	11.00 x 15.00	12	TL	$153
(AFEF7)	I-1	125L-15FI	12.50 x 15.00	12	TL	$196
FARM UTILITY			***(Life = 5000 hrs)***			
(AFEG7)	I-1	750-14	7.50 x 14.00	4	TL	$74
(AFEG14)	I-1	760-15	7.60 x 15.00	8	TL	$74
(AFEG8)	I-1	85L-14	8.50 x 14.00	6	TL	$75
(AFEG1)	I-1	95L-14	9.50 x 14.00	8	TT	$75
(AFEG17)	I-1	95L-15	9.50 x 15.00	12	TL	$114
(AFEG18)	I-1	1000-15	10.00 x 15.00	8	TL	$126
(AFEG11)	I-1	11L-14	11.00 x 14.00	8	TL	$97
(AFEG22)	I-1	11L-15	11.00 x 15.00	12	TL	$121
(AFEG20)	I-1	11L-15	11.00 x 15.00	8	TL	$83
(AFEG34)	I-1	11L-16	11.00 x 16.00	10	TL	$139
(AFEG25)	I-1	125L-15	12.50 x 15.00	12	TL	$166
(AFEG30)	I-1	125L-16	12.50 x 16.00	12	TL	$177
(AFEG29)	I-1	125L-16	12.50 x 16.00	8	TL	$140
(AFEG28)	I-1	14L-161	14.00 x 16.10	8	TL	$282
(AFEG31)	I-1	165L-161	16.50 x 16.10	10	TL	$299
(AFEG32)	I-1	19L-161	19.00 x 16.10	10	TL	$404
(AFEG26)	I-1	215L-161	21.50 x 16.10	10	TL	$437
(AFEG27)	I-1	215L-161	21.50 x 16.10	14	TL	$525
FOUR RIB FRONT TRACTOR F-2-M			***(Life = 5000 hrs)***			
(AFEH1)	F-2M	750-16	7.50 x 16.00	6	TT	$98
(AFEH3)	F-2M	1000-16	10.00 x 16.00	8	TT	$130
(AFEH4)	F-2M	1100-16	11.00 x 16.00	8	TT	$155
HI-MILER M SS			***(Life = 5000 hrs)***			
(AFEJ2)		36-16-175	16.00 x 17.50	10	TL	$583
IMPLEMENT RIB			***(Life = 5000 hrs)***			
(AFEK1)	I-1	400-09	4.00 x 9.00	4	TT	$33
(AFEK11)	I-1	400-18	4.00 x 18.00	4	TT	$57
(AFEK4)	I-1	500-15	5.00 x 15.00	4	TT	$58

(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
(AFEK16)	I-1	590-15	5.90 x 15.00	4	TL	$73
(AFEK6)	I-1	600-16	6.00 x 16.00	6	TT	$70
(AFEK7)	I-1	650-16	6.50 x 16.00	6	TT	$78
(AFEK5)	I-1	670-15	6.70 x 15.00	6	TT	$74
(AFEK9)	I-1	750-16	7.50 x 16.00	10	TT	$104
(AFEK12)	I-1	750-18	7.50 x 18.00	6	TT	$116
(AFEK19)	I-1	750-20	7.50 x 20.00	6	TL	$145
(AFEK3)	I-1	900-10	9.00 x 10.00	4	TT	$85
(AFEK10)	I-1	900-16	9.00 x 16.00	10	TT	$124
(AFEK13)	I-1	900-24	9.00 x 24.00	8	TT	$287
(AFEK14)	I-1	1125-28	11.25 x 28.00	12	TT	$573
LABORER F-3			***(Life = 5000 hrs)***			
(AFEL6)	F-3	145/75-161	5.70 x 16.10	10	TL	$414
(AFEL3)	F-3	800-16	8.00 x 16.00	10	TL	$139
(AFEL2)	F-3	11L-15	11.00 x 15.00	10	TL	$152
(AFEL4)	F-3	11L-16	11.00 x 16.00	10	TL	$161
(AFEL5)	F-3	11L-16	11.00 x 16.00	12	TL	$183
MULTI-RIB F-3			***(Life = 5000 hrs)***			
(AFEM1)	F-3	900-10	9.00 x 10.00	10	TT	$127
(AFEM2)	F-3	1100-16	11.00 x 16.00	12	TL	$268
SMOOTH			***(Life = 5000 hrs)***			
(AFEN2)		11L-15	11.00 x 15.00	10	TL	$125
(AFEN3)		11L-15	11.00 x 15.00	12	TL	$157
(AFEN1)	I-1	169-30	16.90 x 30.00	6	TL	$1,248
SMOOTH IMP			***(Life = 5000 hrs)***			
(AFEO1)		400-8	4.00 x 8.00	4	TL	$38
SOFTRAC II			***(Life = 5000 hrs)***			
(AFEP1)	I-2	165L-161	16.50 x 16.10	6	TL	$525
(AFEP3)	I-2	215L-161	21.50 x 16.10	10	TL	$773
SUPER FLOATATION			***(Life = 5000 hrs)***			
(AFEQ1)	I-1	130/65-18	5.10 x 18.00	12	TL	$669
SUPER RIB F-2			***(Life = 5000 hrs)***			
(AFER1)	F-2	400-12	4.00 x 12.00	4	TL	$51
SUPER SURE GRIP G-1			***(Life = 5000 hrs)***			
(AFES2)	G-1	5-12	5.00 x 12.00	4	TL	$47
(AFES1)	G-1	7-16	7.00 x 16.00	2	TT	$79
(AFES4)	G-2	8-16	8.00 x 16.00	2	TL	$121
(AFES3)	G-1	8-16	8.00 x 16.00	2	TL	$127

(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
SURE GRIP IMPLEMENT			*(Life = 5000 hrs)*			
(AFET1)	I-3	105/80-18	4.10 x 18.00	10	TL	$450
(AFET2)	I-3	125/80-18	4.90 x 18.00	10	TL	$442
SURE GRIP LUG			*(Life = 5000 hrs)*			
(AFEU2)	I-3	105/80-18	10.50 x 18.00	10	TL	$298
(AFEU1)	I-3	124-16	12.40 x 16.00	4	TL	$284
(AFEU3)	I-3	125/80-18	12.50 x 18.00	10	TL	$450
SURE GRIP TRACTION			*(Life = 5000 hrs)*			
(AFEV1)	I-3	670-15	6.70 x 15.00	4	TT	$71
(AFEV5)	I-3	750-16	7.50 x 16.00	4	TL	$111
(AFEV2)	I-3	750-18	7.50 x 18.00	4	TT	$109
(AFEV3)	I-3	750-20	7.50 x 20.00	4	TT	$162
(AFEV4)	I-3	760-15	7.60 x 15.00	6	TL	$94
(AFEV7)	I-3	125L-15 FI	12.50 x 15.00	12	TL	$220
(AFEV8)	I-3	165L-161	16.50 x 16.10	6	TL	$435
(AFEV10)	I-3	215L-161	21.50 x 16.10	12	TL	$827
TRACTION IMPLEMENT			*(Life = 5000 hrs)*			
(AFEW1)	I-3	500-15	5.00 x 15.00	4	TL	$69
(AFEW2)	I-3	590-15	5.90 x 15.00	4	TL	$74
TRIPLE RIB HD			*(Life = 5000 hrs)*			
(AFEX8)	F-2	550-16	5.50 x 16.00	6	TT	$61
(AFEX10)	F-2	600-16	6.00 x 16.00	6	TT	$61
(AFEX11)	F-2	650-16	6.50 x 16.00	6	TT	$69
(AFEX4)	F-2	75L-15	7.50 x 15.00	6	TT	$79
(AFEX13)	F-2	750-16	7.50 x 16.00	8	TT	$95
(AFEX14)	F-2	750-18	7.50 x 18.00	6	TT	$112
(AFEX5)	F-2	95L-15	9.50 x 15.00	8	TT	$116
(AFEX16)	F-2	1000-16	10.00 x 16.00	8	TL	$147
(AFEX6)	F-2	11L-15	11.00 x 15.00	8	TT	$133
(AFEX17)	F-2	1100-16	11.00 x 16.00	8	TL	$177
TRIPLE RIB R/S F-2			*(Life = 5000 hrs)*			
(AFEY2)	F-2	400-19	4.00 x 19.00	4	TT	$48
(AFEY1)	F-2	500-15	5.00 x 15.00	4	TT	$49
FARM, REAR						
ALL TRACTION R-3			*(Life = 5000 hrs)*			
(AGFA1)	R-3	750-16	7.50 x 16.00	4	TT	$170

(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
ALL WEATHER R-3			*(Life = 5000 hrs)*			
(AGFB2)	R-3	95-24	9.50 x 24.00	4	TT	$263
(AGFB1)	R-3	124-16	12.40 x 16.00	12	TT	$398
(AGFB7)	R-3	136-161	13.60 x 16.10	8	TL	$586
(AGFB5)	R-3	136-28	13.60 x 28.00	6	TT	$514
(AGFB3)	R-3	149-24	14.90 x 24.00	6	TL	$477
(AGFB4)	R-3	169-24	16.90 x 24.00	6	TL	$657
(AGFB8)	R-3	184-161	18.40 x 16.10	8	TL	$782
(AGFB10)	R-3	184-26	18.40 x 26.00	10	TL	$830
(AGFB11)	R-3	231-26	23.10 x 26.00	10	TL	$1,162
(AGFB12)	R-3	231-26	23.10 x 26.00	12	TL	$1,221
(AGFB14)	R-3	245-32	24.50 x 32.00	12	TL	$1,857
(AGFB13)	R-3	28L-26	28.00 x 26.00	12	TL	$1,826
(AGFB15)	R-3	305L-32	30.50 x 32.00	12	TL	$2,454
(AGFB16)	R-3	305L-32	30.50 x 32.00	24	TL	$4,984
DT 710 RADIAL			*(Life = 5000 hrs)*			
(AGFC1)	R-1	320/75R24	12.60 x 24.00	X1	TL	$380
(AGFC12)	R-1	136R28	13.60 x 28.00	X3	TL	$530
(AGFC11)	R-1	149R24	14.90 x 24.00	X3	TL	$611
(AGFC13)	R-1	149R28	14.90 x 28.00	X3	TL	$641
(AGFC9)	R-1	155R38	15.50 x 38.00	X1	TL	$583
(AGFC14)	R-1	169R28	16.90 x 28.00	X2	TL	$799
(AGFC6)	R-1	169R30	16.90 x 30.00	X1	TL	$599
(AGFC7)	R-1	184R30	18.40 x 30.00	X1	TL	$704
(AGFC8)	R-1	184R34	18.40 x 34.00	X1	TL	$727
(AGFC10)	R-1	184R38	18.40 x 38.00	X1	TL	$781
DT 730 RADIAL			*(Life = 5000 hrs)*			
(AGFD1)	R-1	290/95R34	11.40 x 34.00	UK	TL	$790
DT 800 RADIAL			*(Life = 5000 hrs)*			
(AGFE1)	R-1W	320/90R42	12.60 x 42.00	UK	TL	$1,015
(AGFE3)	R-1W	320/90R50	12.60 x 50.00	UK	TL	$1,342
(AGFE2)	R-1W	380/90R46	14.90 x 46.00	UK	TL	$1,399
DT 810 RADIAL			*(Life = 5000 hrs)*			
(AGFF1)	R-1W	380/70R24	14.90 x 24.00	UK	TL	$864
(AGFF2)	R-1W	420/70R28	16.50 x 28.00	UK	TL	$1,072
(AGFF3)	R-1W	480/70R30	18.90 x 30.00	UK	TL	$1,303
(AGFF4)	R-1W	520/70R30	20.50 x 30.00	UK	TL	$1,386
DT 820 RADIAL			*(Life = 5000 hrs)*			
(AGFG2)	R-1W	600/65R28	23.60 x 28.00	UK	TL	$1,732

(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
(AGFG1)	R-1W	620/75R26	24.40 x 26.00	UK	TL	$2,179
(AGFG5)	R-1W	620/70R42	24.40 x 42.00	UK	TL	$2,124
(AGFG3)	R-1W	650/75R34	25.60 x 34.00	UK	TL	$2,070
(AGFG4)	R-1W	710/70R38	27.90 x 38.00	UK	TL	$2,697
DYNA TORQUE RADIAL R-1			***(Life = 5000 hrs)***			
(AGFH5)	R-1	320/85R34	12.60 x 34.00	UK	TL	$1,039
(AGFH7)	R-1	149R30	14.90 x 30.00	X3	TL	$841
(AGFH9)	R-1	149R34	14.90 x 34.00	X3	TL	$965
(AGFH15)	R-1	149R46	14.90 x 46.00	X3	TL	$1,119
(AGFH6)	R-1	385/85R34	15.10 x 34.00	UK	TL	$997
(AGFH16)	R-1	420/80R46	16.50 x 46.00	UK	TL	$1,358
(AGFH8)	R-1	169R30	16.90 x 30.00	X3	TL	$965
(AGFH2)	R-1	184R26	18.40 x 26.00	X2	TL	$1,067
(AGFH10)	R-1	184R38	18.40 x 38.00	X1	TL	$884
(AGFH13)	R-1	184R42	18.40 x 42.00	X2	TL	$1,135
(AGFH17)	R-1	184R46	18.40 x 46.00	X3	TL	$1,424
(AGFH12)	R-1	208R38	20.80 x 38.00	X2	TL	$1,213
(AGFH14)	R-1	208R42	20.80 x 42.00	X2	TL	$1,409
(AGFH3)	R-1	245R32	24.50 x 32.00	X3	TL	$1,829
(AGFH4)	R-1	305LR32	30.50 x 32.00	X1	TL	$2,050
DYNA TORQUE / DYNA TORQUE II R-1			***(Life = 5000 hrs)***			
(AGFJ28)	R-1	7-14	7.00 x 14.00	4	TL	$108
(AGFJ1)	R-1	95-24	9.50 x 24.00	6	TT	$221
(AGFJ29)	R-1	112-16	11.20 x 16.00	4	TL	$213
(AGFJ3)	R-1	112-24	11.20 x 24.00	8	TT	$311
(AGFJ5)	R-1	124-24	12.40 x 24.00	8	TT	$348
(AGFJ38)	R-1	124-38	12.40 x 38.00	10	TL	$632
(AGFJ6)	R-1	136-24	13.60 x 24.00	8	TT	$399
(AGFJ41)	R-1	136-28	13.60 x 28.00	10	TL	$449
(AGFJ11)	R-1	136-28	13.60 x 28.00	8	TT	$372
(AGFJ21)	R-1	136-38	13.60 x 38.00	6	TL	$401
(AGFJ7)	R-1	149-24	14.90 x 24.00	6	TL	$412
(AGFJ31)	R-1	149-24	14.90 x 24.00	8	TL	$431
(AGFJ42)	R-1	149-28	14.90 x 28.00	10	TL	$565
(AGFJ22)	R-1	155-38	15.50 x 38.00	6	TT	$424
(AGFJ8)	R-1	169-24	16.90 x 24.00	6	TT	$452
(AGFJ39)	R-1	169-26	16.90 x 26.00	10	TL	$921
(AGFJ43)	R-1	169-28	16.90 x 28.00	10	TL	$766
(AGFJ14)	R-1	169-30	16.90 x 30.00	6	TT	$451
(AGFJ37)	R-1	169-34	16.90 x 34.00	10	TL	$705
(AGFJ23)	R-1	169-38	16.90 x 38.00	14	TT	$1,105
(AGFJ40)	R-1	184-26	18.40 x 26.00	10	TL	$732

(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
(AGFJ13)	R-1	184-28	18.40 x 28.00	6	TT	$571
(AGFJ15)	R-1	184-30	18.40 x 30.00	8	TL	$594
(AGFJ18)	R-1	184-34	18.40 x 34.00	8	TT	$677
(AGFJ24)	R-1	184-38	18.40 x 38.00	8	TT	$722
(AGFJ26)	R-1	184-42	18.40 x 42.00	10	TT	$1,153
(AGFJ19)	R-1	208-34	20.80 x 34.00	14	TT	$1,126
(AGFJ25)	R-1	208-38	20.80 x 38.00	8	TT	$909
(AGFJ27)	R-1	208-42	20.80 x 42.00	10	TL	$1,826
(AGFJ45)	R-1	231-26	23.10 x 26.00	8	TL	$837
(AGFJ16)	R-1	231-30	23.10 x 30.00	8	TT	$967
(AGFJ20)	R-1	231-34	23.10 x 34.00	8	TT	$1,473
(AGFJ35)	R-1	245-32	24.50 x 32.00	12	TL	$1,547
(AGFJ34)	R-1	28L-26	28.00 x 26.00	12	TL	$1,547
(AGFJ36)	R-1	305L-32	30.50 x 32.00	14	TL	$2,423
INDUSTRIAL SURE GRIP R-4			***(Life = 5000 hrs)***			
(AGFK1)	R-4	149-28	14.90 x 28.00	8	TL	$424
(AGFK3)	R-4	184-28	18.40 x 28.00	12	TL	$1,024
IT510 R4			***(Life = 5000 hrs)***			
(AGFL4)	R-4	169R28	16.90 x 28.00	UK	TL	$732
(AGFL2)	R-4	175LR24	17.50 x 24.00	UK	TL	$875
(AGFL3)	R-4	195LR24	19.50 x 24.00	UK	TL	$1,003
IT525 R4			***(Life = 5000 hrs)***			
(AGFM1)	R-4	149-24	14.90 x 24.00	8	TL	$387
(AGFM4)	R-4	169-24	16.90 x 24.00	10	TL	$550
(AGFM3)	R-4	169-24	16.90 x 24.00	6	TL	$449
(AGFM12)	R-4	169-28	16.90 x 28.00	10	TL	$529
(AGFM6)	R-4	175L-24	17.50 x 24.00	10	TL	$504
(AGFM5)	R-4	184-24	18.40 x 24.00	12	TL	$999
(AGFM8)	R-4	195L-24	19.50 x 24.00	12	TL	$789
(AGFM7)	R-4	195L-24	19.50 x 24.00	8	TL	$603
(AGFM9)	R-4	21L-24	21.00 x 24.00	10	TL	$852
(AGFM11)	R-4	21L-24	21.00 x 24.00	16	TL	$1,299
(AGFM14)	R-4	21L-28	21.00 x 28.00	14	TL	$1,281
POWER TORQUE R-1			***(Life = 5000 hrs)***			
(AGFN1)	R-1	6-12	6.00 x 12.00	4	TL	$62
(AGFN2)	R-1	72-16	7.20 x 16.00	4	TL	$115
(AGFN4)	R-1	83-16	8.30 x 16.00	6	TL	$138
(AGFN5)	R-1	95-16	9.50 x 16.00	6	TL	$187
SPECIAL SURE GRIP R-2-0			***(Life = 5000 hrs)***			
(AGFO1)	R-2	136-38	13.60 x 38.00	6	TT	$635

(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
(AGFO2)	R-2	149-24	14.90 x 24.00	6	TL	$620
(AGFO11)	R-2	184-26	18.40 x 26.00	10	TL	$936
(AGFO5)	R-2	184-30	18.40 x 30.00	6	TT	$729
(AGFO8)	R-2	184-38	18.40 x 38.00	8	TL	$1,150
(AGFO12)	R-2	VA500/95D32	19.70 x 32.00	20	TL	$2,094
(AGFO10)	R-2	208-38	20.80 x 38.00	10	TT	$1,208
(AGFO3)	R-2	231-26	23.10 x 26.00	10	TL	$1,321
(AGFO4)	R-2	28L-26	28.00 x 26.00	12	TL	$1,625
(AGFO6)	R-2	305L-32	30.50 x 32.00	12	TL	$2,301
SPECIAL SURE GRIP RADIAL R-2-0			***(Life = 5000 hrs)***			
(AGFP8)	R-2	320/90R46	12.60 x 46.00	X3	TL	$1,121
(AGFP9)	R-2	340/85R46	13.40 x 46.00	UK	TL	$1,178
(AGFP1)	R-2	169R28	16.90 x 28.00	X2	TL	$1,156
(AGFP2)	R-2	169R30	16.90 x 30.00	X3	TL	$1,150
(AGFP3)	R-2	184R38	18.40 x 38.00	X1	TL	$1,278
(AGFP5)	R-2	184R42	18.40 x 42.00	X2	TL	$1,496
(AGFP7)	R-2	184R46	18.40 x 46.00	X3	TL	$1,652
(AGFP4)	R-2	208R38	20.80 x 38.00	X2	TL	$1,648
(AGFP6)	R-2	208R42	20.80 x 42.00	X2	TL	$1,732
SUPER TRACTION RADIAL R-1			***(Life = 5000 hrs)***			
(AGFQ1)	R-1W	250/80R18	9.80 x 18.00	UK	TL	$551
(AGFQ3)	R-1W	260/80R20	10.20 x 20.00	UK	TL	$557
(AGFQ2)	R-1W	112R20	11.20 x 20.00	UK	TL	$553
(AGFQ6)	R-1W	136R28	13.60 x 28.00	UK	TL	$725
(AGFQ15)	R-1W	136R38	13.60 x 38.00	UK	TL	$898
(AGFQ20)	R-1W	149R24	14.90 x 24.00	UK	TL	$820
(AGFQ7)	R-1W	149R28	14.90 x 28.00	UK	TL	$898
(AGFQ9)	R-1W	149R30	14.90 x 30.00	UK	TL	$964
(AGFQ4)	R-1W	169R24	16.90 x 24.00	UK	TL	$954
(AGFQ5)	R-1W	169R26	16.90 x 26.00	X2	TL	$1,027
(AGFQ8)	R-1W	169R28	16.90 x 28.00	UK	TL	$993
(AGFQ10)	R-1W	169R30	16.90 x 30.00	UK	TL	$1,105
(AGFQ21)	R-1W	169R34	16.90 x 34.00	X2	TL	$1,106
(AGFQ22)	R-1W	169R38	16.90 x 38.00	X2	TT	$1,115
(AGFQ11)	R-1W	184R26	18.40 x 26.00	UK	TL	$1,107
(AGFQ12)	R-1W	184R30	18.40 x 30.00	UK	TL	$1,170
(AGFQ14)	R-1W	184R34	18.40 x 34.00	UK	TL	$952
(AGFQ16)	R-1W	184R38	18.40 x 38.00	UK	TL	$1,012
(AGFQ18)	R-1W	184R42	18.40 x 42.00	UK	TL	$1,299
(AGFQ17)	R-1W	208R38	20.80 x 38.00	UK	TL	$1,389
(AGFQ19)	R-1W	208R42	20.80 x 42.00	UK	TL	$1,613
(AGFQ13)	R-1W	800/65R32	31.50 x 32.00	UK	TL	$2,542

(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
SURE GRIP ALL SERVICE R-1			*(Life = 5000 hrs)*			
(AGFR1)	R-1	95-20	9.50 x 20.00	6	TL	$248
TRACTION IRRIGATION 3			*(Life = 5000 hrs)*			
(AGFS1)	R-1	112-24	11.20 x 24.00	4	TL	$190
(AGFS2)	R-1	149-24	14.90 x 24.00	4	TL	$321
TRACTION SURE GRIP R-1			*(Life = 5000 hrs)*			
(AGFT1)	R-1	72-30	7.20 x 30.00	2	TT	$251
(AGFT3)	R-1	95-42	9.50 x 42.00	6	TL	$438
(AGFT2)	R-1	184-161	18.40 x 16.10	6	TL	$541
TRACTION TORQUE R-1			*(Life = 5000 hrs)*			
(AGFU1)	R-1	149-28	14.90 x 28.00	6	TT	$311
(AGFU2)	R-1	169-30	16.90 x 30.00	6	TT	$338
(AGFU3)	R-1	184-30	18.40 x 30.00	6	TT	$422
(AGFU5)	R-1	184-38	18.40 x 38.00	8	TT	$570
FARM, TERRA - 20" UP						
SFT105			*(Life = 5000 hrs)*			
(AHGA2)	HF-1	54-3100-26	31.00 x 26.00	6	TL	$2,823
SOF TRAC			*(Life = 5000 hrs)*			
(AHGB2)	HF-1	41-1400-20	14.00 x 20.00	4	TL	$484
(AHGB1)	HF-1	44-1800-20	18.00 x 20.00	4	TL	$569
SUPER TERRA GRIP			*(Life = 5000 hrs)*			
(AHGC1)	HF-2	38-1400-20	14.00 x 20.00	8	TL	$474
(AHGC4)	HF-2	48-2500-20	25.00 x 20.00	10	TL	$2,448
(AHGC2)	HF-2	42-2500-20	25.00 x 20.00	8	TL	$1,961
(AHGC6)	HF-2	48-3100-20	31.00 x 20.00	12	TL	$2,653
(AHGC7)	HF-2	54-3100-26	31.00 x 26.00	6	TL	$2,823
(AHGC12)	HF-2	67-3400-25	34.00 x 25.00	10	TL	$3,604
(AHGC10)	HF-2	66-4300-25	43.00 x 25.00	10	TL	$3,768
(AHGC11)	HF-2	66-4300-25	43.00 x 25.00	20	TL	$5,863
SUPER TERRA GRIP XT			*(Life = 5000 hrs)*			
(AHGD3)	HF-3	48-2500-20	25.00 x 20.00	10	TL	$2,576
(AHGD1)	HF-3	42-2500-20	25.00 x 20.00	12	TL	$2,350
(AHGD5)	HF-3	48-3100-20	31.00 x 20.00	12	TL	$2,793
(AHGD6)	HF-3	66-4300-25	43.00 x 25.00	10	TL	$4,117
(AHGD7)	HF-3	VA73-4400-32	44.00 x 32.00	12	TL	$6,042
CUSTOM FLO GRIP			*(Life = 5000 hrs)*			
(AHGE2)	HF-4	67-3400-25	34.00 x 25.00	14	TL	$4,903

(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
(AHGE1)	HF-4	67-3400-30	34.00 x 30.00	12	TL	$4,127
TUNDRA GRIP			***(Life = 5000 hrs)***			
(AHGF2)	HF-1	66-4400-25	44.00 x 25.00	16	TL	$4,665
(AHGF1)	HF-1	66-4400-25	44.00 x 25.00	6	TL	$3,155
SMOOTH TERRA			***(Life = 5000 hrs)***			
(AHGG1)		44-4100-20	41.00 x 20.00	10	TL	$2,904
STEELGARD SUPER TERRA GRIP			***(Life = 5000 hrs)***			
(AHGH1)	HF-2	66-4300-25	43.00 x 25.00	12	TL	$4,733
STEELGARD CUSTOM FLO GRIP			***(Life = 5000 hrs)***			
(AHGJ2)	HF-4	67-3400-25	34.00 x 25.00	14	TL	$5,020
STEELGARD SUPER TERRA GRIP XT			***(Life = 5000 hrs)***			
(AHGK1)	HF-3	42-2500-20	25.00 x 20.00	12	TL	$2,686
(AHGK2)	HF-3	66-4300-25	43.00 x 25.00	12	TL	$5,117
(AHGK3)	HF-3	73-4400-32	44.00 x 32.00	16	TL	$8,176
FARM, SPECIALTY						
SFT105			***(Life = 5000 hrs)***			
(AJHA1)	HF-1	33-1250-15	12.50 x 15.00	4	TL	$334
SOFTRAC			***(Life = 5000 hrs)***			
(AJHB2)		18-650-8	6.50 x 8.00	4	TL	$43
(AJHB3)		18-850-8	8.50 x 8.00	6	TL	$55
(AJHB1)	HF-1	25-850-14	8.50 x 14.00	6	TL	$128
(AJHB5)	HF-1	27-850-15	8.50 x 15.00	4	TL	$125
(AJHB4)	HF-1	25-1050-15	10.50 x 15.00	4	TL	$144
(AJHB6)	HF-1	27-1050-15	10.50 x 15.00	4	TL	$156
(AJHB7)	HF-1	29-1250-15	12.50 x 15.00	4	TL	$200
(AJHB10)	HF-1	31-1250-15	12.50 x 15.00	4	TL	$207
(AJHB11)	HF-1	33-1250-15	12.50 x 15.00	4	TL	$256
(AJHB8)	HF-1	31-1350-15	13.50 x 15.00	4	TL	$249
(AJHB12)	HF-1	36-1350-15	13.50 x 15.00	4	TL	$330
(AJHB9)	HF-1	31-1550-15	15.50 x 15.00	4	TL	$270
SUPER TERRA GRIP			***(Life = 5000 hrs)***			
(AJHC1)		27-850-15	8.50 x 15.00	4	TL	$108
(AJHC3)	HF-2	29-1250-15	12.50 x 15.00	6	TL	$231
(AJHC6)	HF-2	31-1550-15	15.50 x 15.00	8	TL	$312
(AJHC7)	HF-2	38-2000-16.1	20.00 x 16.00	8	TL	$860
SURE GRIP LUG			***(Life = 5000 hrs)***			
(AJHD9)	HF-2	27-850-15	8.50 x 15.00	6	TL	$147

(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
(AJHD1)		10-165	10.00 x 16.50	6	TL	$130
(AJHD10)	HF-2	27-1050-15	10.50 x 15.00	6	TL	$175
(AJHD4)		12-165	12.00 x 16.50	10	TL	$199
(AJHD2)	HF-2	12-165	12.00 x 16.50	6	TL	$179
(AJHD3)		12-165	12.00 x 16.50	8	TL	$171
(AJHD5)		14-175	14.00 x 17.50	10	TL	$568
(AJHD7)		15-195	15.00 x 19.50	12	TL	$632
(AJHD6)		15-195	15.00 x 19.50	8	TL	$535
ULTRA GRIP LUG			***(Life = 5000 hrs)***			
(AJHE1)		10-165	10.00 x 16.50	8	TL	$163
(AJHE3)		12-165	12.00 x 16.50	10	TL	$229
(AJHE4)		31-1550-15	15.50 x 15.00	8	TL	$409
XTRA TRAC			***(Life = 5000 hrs)***			
(AJHF3)	HF-1	29-1250-15NHS	12.50 x 15.00	4	TL	$183
(AJHF2)	HF-1	31-1550-15NHS	15.50 x 15.00	8	TL	$381
DOUBLE EAGLE			***(Life = 5000 hrs)***			
(AJHG1)		205-50-10	5.00 x 10.00	4	TL	$71
POWER RIB			***(Life = 5000 hrs)***			
(AJHJ1)		18-850-8	8.50 x 8.00	4	TL	$39
(AJHJ2)		20-1000-10	10.00 x 10.00	4	TL	$90
RALLY			***(Life = 5000 hrs)***			
(AJHK1)		480-8	4.80 x 8.00	4	TL	$88
(AJHK2)		18-950-8	9.50 x 8.00	4	TL	$138
RIB TERRA			***(Life = 5000 hrs)***			
(AJHL1)		18-950-8	9.50 x 8.00	10	TT	$93
TERRA RIB			***(Life = 5000 hrs)***			
(AJHM2)	HF-1	25-750-15	7.50 x 15.00	6	TL	$118
(AJHM4)	HF-1	27-950-15	9.50 x 15.00	10	TL	$193
(AJHM6)	HF-1	31-1350-15	13.50 x 15.00	8	TL	$250
ATT			***(Life = 5000 hrs)***			
(AJHN1)		AT21-7-10	7.00 x 10.00	01	TL	$48
(AJHN3)		AT23-8-11	8.00 x 11.00	X2	TL	$60
(AJHN2)		AT22-9-8	9.00 x 8.00	01	TL	$60
(AJHN5)		AT24-9-11	9.00 x 11.00	X1	TL	$65
(AJHN4)		AT25-11-9	11.00 x 9.00	X1	TL	$64
COMPASS TERRA			***(Life = 5000 hrs)***			
(AJHO1)		21-1100-8	11.00 x 8.00	X2	TL	$69

(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
RAWHIDE III			*(Life = 5000 hrs)*			
(AJHP1)		22-1100-8	11.00 x 8.00	X2	TL	$68
(AJHP2)		25-1200-9	12.00 x 9.00	X2	TL	$100
RAWHIDE TERRA			*(Life = 5000 hrs)*			
(AJHQ1)		21-1100-8	11.00 x 8.00	X2	TL	$69
RUNAMUCK			*(Life = 5000 hrs)*			
(AJHR1)		22-1000-8	10.00 x 8.00	X2	TL	$81
TRACKER ATT			*(Life = 5000 hrs)*			
(AJHT1)		AT24-8-11	8.00 x 11.00	X2	TL	$65
(AJHT2)		AT24-10-11	10.00 x 11.00	X2	TL	$71
TRACKER P			*(Life = 5000 hrs)*			
(AJHW2)		AT25-8-12	8.00 x 12.00	X3	TL	$85
(AJHW1)		AT25-11-10	11.00 x 10.00	X3	TL	$92
TRACKER PT			*(Life = 5000 hrs)*			
(AJHX1)		AT23-7-10	7.00 x 10.00	X2	TL	$74
WRANGLER SPORT & WRANGLER SPORT RADIAL			*(Life = 5000 hrs)*			
(AJHZ1)		22-800-10NHS	8.00 x 10.00	01	TL	$73
(AJHZ2)		22-1100-10NHS	11.00 x 10.00	01	TL	$76
(AJHZ3)		24-1100-10NHS	11.00 x 10.00	01	TL	$90
INDUSTRIAL, MINE SERVICE						
ROCK MINE SERVICE			*(Life = 5000 hrs)*			
(AKJA1)		38x16-15	16.00 x 15.00	28	TL	$1,349
TRACTION MINE SERVICE			*(Life = 5000 hrs)*			
(AKJB3)		8.25-15	8.25 x 15.00	16	TT	$346
(AKJB2)		36-11x15(10.00L-15)	10.00 x 15.00	16	TT	$428
(AKJB5)		32-15x15(32x14.50-15)	14.50 x 15.00	20	TT	$479
(AKJB6)		35-15x15(14.50L-15)	14.50 x 15.00	28	TL	$716
HARD ROCK LUG MINE & INDUSTRIAL			*(Life = 5000 hrs)*			
(AKJC1)		10.00-20	10.00 x 20.00	14	TT	$449
XTRA TRACTION LUG			*(Life = 5000 hrs)*			
(AKJD2)		8.25-15	8.25 x 15.00	16	TT	$436
(AKJD3)		36-11x15(10.00L15)	10.00 x 15.00	16	TT	$531
(AKJD7)		24x12x12	12.00 x 12.00	24	TL	$497
(AKJD4)		32-15x15(32x14.50-15)	14.50 x 15.00	24	TL	$793
(AKJD6)		35-15x15(14.50L-15)	14.50 x 15.00	32	TL	$1,124
(AKJD8)		44x18-20	18.00 x 20.00	32	TL	$1,685

(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
XTRA TRACTION GRIP			*(Life = 5000 hrs)*			
(AKJE1)		32x12-15	12.00 x 15.00	20	TT	$504
INDUSTRIAL, PERMAFOAM INFLATION						
PERMAFOAM INFLATION			*(Life = 5000 hrs)*			
(ALKA6)		825-15	8.25 x 15.00	UK	TL	$473
(ALKA1)		1000-20	10.00 x 20.00	UK	TL	$759
(ALKA8)		1100-15	11.00 x 15.00	UK	TL	$657
(ALKA15)		24-1200-12	12.00 x 12.00	UK	TL	$319
(ALKA10)		32-12-15	12.00 x 15.00	UK	TL	$621
(ALKA2)		1200-20	12.00 x 20.00	UK	TL	$1,080
(ALKA4)		1200-24	12.00 x 24.00	UK	TL	$1,202
(ALKA9)		28-13-15	13.00 x 15.00	UK	TL	$556
(ALKA3)		1400-20	14.00 x 20.00	UK	TL	$1,526
(ALKA11)		32-15-15(32-1450-15)	14.50 x 15.00	UK	TL	$639
(ALKA12)		35-15-15(1450-15)	14.50 x 15.00	UK	TL	$716
(ALKA13)		38-16-15	16.00 x 15.00	UK	TL	$997
(ALKA14)		44-18-20	18.00 x 20.00	UK	TL	$1,242
OFF-THE-ROAD, MED & HEAVY COMMERCIAL, RADIAL						
G-2 GRADER SERVICE - RL2F, SG2B			*(Life = 3200 hrs)*			
(AMLA2)	G-2	13.00R24	13.00 x 24.00	X1	TL	$798
(AMLA1)	G-2	14.00R24	14.00 x 24.00	X1	TL	$901
(AMLA5)	L/G-2	15.5R25	15.50 x 25.00	X1	TL	$831
(AMLA4)	G-2	16.00R24	16.00 x 24.00	X1	TL	$1,107
E-2 HAULAGE SERVICE - RL2F/GP2B RL2+			*(Life = 2800 hrs)*			
(AMLB7)	E-2	14.00R24	14.00 x 24.00	X3	TL	$1,153
(AMLB1)	E/L/G-3	17.5R25	17.50 x 25.00	X1	TL	$1,156
(AMLB8)	E-2	18.00R25	18.00 x 25.00	X2	TL	$1,753
(AMLB2)	E/L/G-3	20.5R25	20.50 x 25.00	X1	TL	$1,656
(AMLB5)	E/L/G-3+T	20.5R25	20.50 x 25.00	X1	TL	$2,162
(AMLB9)	E/L/G-3	20.5R25	20.50 x 25.00	X2	TL	$1,751
(AMLB15)	E-2	21.00R35	21.00 x 35.00	X2	TL	$3,434
(AMLB3)	E/L/G-3	23.5R25	23.50 x 25.00	X1	TL	$2,230
(AMLB10)	E/L/G-3	23.5R25	23.50 x 25.00	X2	TL	$2,274
(AMLB21)	E/L-3	26.5R25	26.50 x 25.00	X2	TL	$3,099
(AMLB20)	E-3	27.00R49	27.00 x 49.00	X2	TL	$6,871
(AMLB22)	E/L-3	29.5R25	29.50 x 25.00	X2	TL	$3,881
(AMLB17)	E-2	33.25R35	33.25 x 35.00	X2	TL	$5,507
(AMLB18)	E-2	37.25R35	37.25 x 35.00	X2	TL	$7,181
(AMLB19)	E-2	37.5R39	37.50 x 39.00	X2	TL	$7,768

(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	$8,742
E-3 HAULAGE SERVICE - ROCK DESIGN RL3, RL3J, R			***(Life = 2800 hrs)***			
(AMLC1)	E-3+	16.00R25	16.00 x 25.00	X2	TL	$2,323
(AMLC2)	E-3+	18.00R25	18.00 x 25.00	X2	TL	$2,294
(AMLC3)	E-3+	18.00R33	18.00 x 33.00	X2	TL	$2,941
(AMLC4)	E-3+	21.00R35	21.00 x 35.00	X2	TL	$3,691
(AMLC5)	E-3+	24.00R35	24.00 x 35.00	X2	TL	$4,707
(AMLC6)	E-3	29.5R29	29.50 x 29.00	X2	TL	$4,403
(AMLC7)	E-3	33.25R35	33.25 x 25.00	X2	TL	$5,874
(AMLC8)	E-3	37.25R35	37.35 x 35.00	X2	TL	$7,507
(AMLC9)	E-3	37.5R39	37.50 x 39.00	X2	TL	$7,816
E-4 RL4J/RL4 & RL4H/RL4 E4			***(Life = 5000 hrs)***			
(AMLD1)	E-4	12.00R24	12.00 x 24.00	X3	TT	$1,057
(AMLD2)	E-4	14.00R24	14.00 x 24.00	X3	TL	$1,265
(AMLD3)	E-4	14.00R25	14.00 x 25.00	X3	TL	$1,370
(AMLD4)	E-4	18.00R25	18.00 x 25.00	X2	TL	$2,354
(AMLD5)	E-4	18.00R33	18.00 x 33.00	X2	TL	$3,097
(AMLD14)	E-4	21.00R35	21.00 x 35.00	X2	TL	$4,165
(AMLD15)	E-4	24.00R35	24.00 x 25.00	X2	TL	$5,341
(AMLD6)	E-4	24.00R49	24.00 x 49.00	X2	TL	$6,599
(AMLD7)	E-4	27.00R49	27.00 x 49.00	X2	TL	$7,917
(AMLD8)	E-4	30.00R51	30.00 x 51.00	X2	TL	$10,348
(AMLD9)	E-4	33.00R51	33.00 x 51.00	X2	TL	$13,054
(AMLD10)	E-4	36.00R51	36.00 x 51.00	X2	TL	$14,516
(AMLD11)	E-4	37.00R57	37.00 x 57.00	X2	TL	$19,533
(AMLD12)	E-4	40.00R57	40.00 x 57.00	X2	TL	$22,174
MOBILE CRANE			***(Life = 5000 hrs)***			
(AMLF1)	E/L/G-3	445/80R25 (17.5R25)	17.50 x 25.00	UK	TL	$1,344
(AMLF2)	E/L-3	445/95R25 (16.00R25)	17.50 x 25.00	UK	TL	$1,906
(AMLF3)	E/L-3	525/80R25(2O.5R25)	20.60 x 25.00	UK	TL	$1,984
L-5 DOZER & LOADER SERVICE RL5K			***(Life = 8000 hrs)***			
(AMLG1)	L-5	20.5R25	20.50 x 25.00	X1	TL	$2,925
(AMLG2)	L-5	23.5R25	23.50 x 25.00	X1	TL	$3,641
SPECIAL SERVICE - AT2A			***(Life = 5000 hrs)***			
(AMLH1)	E/L/G-3	14.00R20	14.00 x 20.00	18	TL	$682
(AMLH3)	E/L/G-3	16.00R20	16.00 x 20.00	22	TL	$1,073
(AMLH4)	E/L/G-3	16.00R21	16.00 x 21.00	22	TL	$1,125
(AMLH2)	E/L/G-3	17.5R25	17.50 x 25.00	X1	TL	$1,074
(AMLH5)	E/L/G-3	555/65R25	21.80 x 25.00	UK	TL	$1,939
(AMLH6)	E/L/G-3	22/65R25	22.00 x 25.00	X1	TL	$1,601

(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			*(Life = 5000 hrs)*			
(ANMA1)		10.5-20	10.50 x 20.00	10	TL	$326
(ANMA2)		12.5-20	12.50 x 20.00	10	TL	$417
E-1 HRR 1A			*(Life = 2500 hrs)*			
(ANMB1)	E-1	14.00-25	14.00 x 25.00	20	TL	$863
(ANMB2)	E-1	16.00-25	16.00 x 25.00	32	TL	$1,721
E-2 TRACTION EARTHMOVER SURE GRIP			*(Life = 2800 hrs)*			
(ANMC2)	E-2	18.00-25	18.00 x 25.00	12	TL	$1,711
(ANMC3)	E-2	18.00-25	18.00 x 25.00	16	TL	$1,795
E-2 TRACTION SURE GRIP LUG			*(Life = 2800 hrs)*			
(ANMD1)	E-2	29.5-25	29.50 x 25.00	22	TL	$3,121
(ANMD2)	E-2	29.5-29	29.50 x 29.00	34	TL	$3,499
(ANMD3)	E-2	29.5-35	29.50 x 35.00	28	TL	$3,609
E-3 ROCK SERVICE HARD ROCK LUG/HRL WC			*(Life = 2800 hrs)*			
(ANME1)	E-3	12.00-20	12.00 x 20.00	16	TT	$577
(ANME2)	E-3	12.00-24	12.00 x 24.00	16	TT	$664
(ANME3)	E-3	14.00-24	14.00 x 24.00	20	TT	$962
(ANME4)	E-3	14.00-25	14.00 x 25.00	20	TL	$953
(ANME5)	E-3	16.00-25	16.00 x 25.00	20	TL	$1,407
(ANME6)	E-3	16.00-25	16.00 x 25.00	24	TL	$1,479
E-3 ROCK SERVICE SUPER HARD ROCK LUG			*(Life = 2800 hrs)*			
(ANMF1)	E-3	26.5-25	26.50 x 25.00	20	TL	$2,212
(ANMF2)	E-3	26.5-25	26.50 x 25.00	26	TL	$2,434
(ANMF3)	E-3	29.5-25	29.50 x 25.00	22	TL	$3,073
(ANMF4)	E-3	29.5-25	29.50 x 25.00	28	TL	$3,210
(ANMF5)	E-3	29.5-29	29.50 x 29.00	28	TL	$3,433
(ANMF6)	E-3	29.5-29	29.50 x 29.00	34	TL	$3,682
E-3 ROCK SERVICE SHRL8			*(Life = 2800 hrs)*			
(ANMG4)	E-3	29.5-35	29.50 x 35.00	34	TL	$3,963
(ANMG1)	E-3	33.25-29	33.25 x 29.00	26	TL	$3,984
(ANMG6)	E-3	33.25-35	33.25 x 35.00	38	TL	$5,070
(ANMG2)	E-3	33.5-33	33.50 x 33.00	32	TL	$4,585
(ANMG7)	E-3	37.25-35	37.25 x 35.00	30	TL	$5,540
(ANMG8)	E-3	37.25-35	37.25 x 35.00	36	TL	$5,969
(ANMG9)	E-3	37.5-39	37.50 x 39.00	44	TL	$6,634

(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
E-3 ROCK SERVICE ELV3A, ELV4B, ELV4/5A			*(Life = 2800 hrs)*			
(ANMH6)	IND 4	16.00-25	16.00 x 25.00	32	TL	$2,137
(ANMH2)	IND 3	18.00-25	18.00 x 25.00	32	TL	$2,260
(ANMH4)	IND 4	18.00-25	18.00 x 25.00	40	TL	$3,134
(ANMH9)	IND 3	21.00-25	21.00 x 25.00	32	TL	$3,109
(ANMH1)	IND 3	23.5-25	23.50 x 25.00	36	TL	$2,394
E-3 ROCK SERVICE HRL 3F			*(Life = 2800 hrs)*			
(ANMJ2)	E-3	33.25-35	33.25 x 35.00	32	TL	$4,805
(ANMJ3)	E-3	33.25-35	33.25 x 35.00	38	TL	$5,174
(ANMJ5)	E-3	37.25-35	37.25 x 35.00	36	TL	$6,147
(ANMJ1)	E-3	37.5-33	37.50 x 33.00	42	TL	$6,657
(ANMJ6)	E-3	37.5-39	37.50 x 39.00	44	TL	$6,805
(ANMJ7)	E-3	37.5-39	37.50 x 39.00	52	TL	$7,177
E-3 ROCK SERVICE UMS 3A			*(Life = 2800 hrs)*			
(ANMK2)	E-3	12.00-20	12.00 x 20.00	20	TT	$696
(ANMK4)	E-3	12.00-24	12.00 x 24.00	16	TT	$664
(ANMK3)	E-3	14.00-20	14.00 x 20.00	24	TT	$929
E-3 ROCK SERVICE WRL 3A			*(Life = 2800 hrs)*			
(ANML1)	E-3	14.00-20	14.00 x 20.00	24	TT	$929
(ANML2)	E-3	14.00-24	14.00 x 24.00	24	TT	$1,003
E-4 ROCK SERVICE AMS4/5 A			*(Life = 5000 hrs)*			
(ANMM1)	E-4	12.00-24	12.00 x 24.00	16	TT	$846
E-4 ROCK SERVICE HRL 4B			*(Life = 5000 hrs)*			
(ANMN1)	E-4	16.00-25	16.00 x 25.00	28	TL	$1,677
(ANMN2)	E-4	18.00-25	18.00 x 25.00	32	TL	$2,306
(ANMN3)	E-4	18.00-33	18.00 x 33.00	32	TL	$2,859
(ANMN4)	E-4	21.00-35	21.00 x 35.00	36	TL	$3,750
(ANMN5)	E-4	24.00-35	24.00 x 35.00	36	TL	$4,785
(ANMN6)	E-4	27.00-49	27.00 x 49.00	42	TL	$6,959
(ANMN7)	E-4	27.00-49	27.00 x 49.00	48	TL	$7,518
(ANMN8)	E-4	30.00-51	30.00 x 51.00	46	TL	$12,401
(ANMN9)	E-4	36.00-51	36.00 x 51.00	58	TL	$21,237
E-4 ROCK SERVICE MRL 4B			*(Life = 5000 hrs)*			
(ANMO1)	E-4	24.00-49	24.00 x 49.00	48	TL	$6,862
(ANMO2)	E-4	36.00-51	36.00 x 51.00	58	TL	$21,237
E-6 TOW SERVICE - RIB TOW SERVICE			*(Life = 3000 hrs)*			
(ANMP1)		61/1800-25	18.00 x 25.00	44	TL	$2,647

(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
E-7 FLOTATION TYPE SAND RIB SRB 7A			*(Life = 3000 hrs)*			
(ANMQ1)	E-7	18.00-25	18.00 x 25.00	12	TL	$1,200
(ANMQ2)	E-7	18.00-25	18.00 x 25.00	16	TL	$1,321
(ANMQ6)	E-7	21.00-25	21.00 x 25.00	16	TL	$1,900
(ANMQ4)	E-7	24-20.5	24.00 x 20.50	16	TL	$1,555
(ANMQ10)	E-7	24-21	24.00 x 21.00	16	TT	$1,390
(ANMQ7)	E-7	29.5-25	29.50 x 25.00	28	TL	$3,644
(ANMQ8)	E-7	36.00-51	36.00 x 51.00	42	TL	$10,248
E-7 FLOTATION TYPE PAVER TIRE			*(Life = 3000 hrs)*			
(ANMR1)	E-7	1600-24	16.00 x 24.00	12	TL	$1,018
G-1 RBG 1A			*(Life = 3200 hrs)*			
(ANMS1)	G-1	1400-24	14.00 x 24.00	12	TL	$657
G-2 SGG2A			*(Life = 3200 hrs)*			
(ANMT2)	G-2	12.00-24	12.00 x 24.00	8	TL	$349
(ANMT1)	G-2	13.00-20	13.00 x 20.00	10	TT	$346
(ANMT3)	G-2	13.00-24	13.00 x 24.00	10	TL	$359
(ANMT4)	G-2	13.00-24	13.00 x 24.00	12	TL	$392
(ANMT10)	G-2	13.00-24 SG	13.00 x 24.00	12	TL	$548
(ANMT5)	G-2	14.00-24	14.00 x 24.00	10	TL	$399
(ANMT6)	G-2	14.00-24	14.00 x 24.00	12	TL	$413
(ANMT8)	G-2	16.00-24	16.00 x 24.00	12	TL	$973
G-2 GRADER SMOOTH			*(Life = 3200 hrs)*			
(ANMU1)	G-1	13.00-24	13.00 x 24.00	10	TL	$370
G-2 SGLDL 2A L2			*(Life = 3200 hrs)*			
(ANMV2)	L-2/G-2	15.5-25	15.50 x 25.00	12	TL	$527
(ANMV1)	L-2/G-2	15.5-25	15.50 x 25.00	8	TL	$492
(ANMV3)	L-2/G-2	17.5-25	17.50 x 25.00	12	TL	$577
(ANMV4)	L-2/G-2	17.5-25	17.50 x 25.00	16	TL	$718
(ANMV5)	L-2/G-2	17.5-25	17.50 x 25.00	20	TL	$807
G-2 SGLEL 2A ES/L2/G2			*(Life = 3200 hrs)*			
(ANMW1)	E-2/L-2	20.5-25	20.50 x 25.00	12	TL	$1,067
(ANMW2)	E-2/L-2	20.5-25	20.50 x 25.00	16	TL	$1,121
(ANMW4)	E-2/L-2	23.5-25	23.50 x 25.00	12	TL	$1,478
(ANMW5)	E-2/L-2	23.5-25	23.50 x 25.00	16	TL	$1,552
G-3 RKG 3A			*(Life = 3200 hrs)*			
(ANMX1)	G-3	14.00-24	14.00 x 24.00	16	TL	$704
(ANMX2)	G-3	16.00-24	16.00 x 24.00	16	TL	$1,258

(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
G-4 SGG-4B			*(Life = 3200 hrs)*			
(ANMY1)	G-4	14.00-24	14.00 x 24.00	12	TL	$629
L-2 DOZER/LOADER SERVICE TRACTION SG LUG DL			*(Life = 3200 hrs)*			
(ANNA1)	L-2	26.5-25	26.50 x 25.00	14	TL	$1,822
(ANNA2)	L-2	26.5-25	26.50 x 25.00	20	TL	$2,002
L-3 DOZER/LOADER SERVICE ROCK SERVICE E3/L3			*(Life = 3200 hrs)*			
(ANNB1)	E/L-3	20.5-25	20.50 x 25.00	12	TL	$1,228
(ANNB2)	E/L-3	20.5-25	20.50 x 25.00	16	TL	$1,277
(ANNB4)	E/L-3	23.5-25	23.50 x 25.00	12	TL	$1,646
(ANNB5)	E/L-3	23.5-25	23.50 x 25.00	16	TL	$1,734
(ANNB6)	E/L-3	23.5-25	23.50 x 25.00	20	TL	$1,888
L-3 DOZER/LOADER SERVICE ROCK SHRL DL			*(Life = 3200 hrs)*			
(ANNC1)	L-3	26.5-25	26.50 x 25.00	20	TL	$2,399
(ANNC2)	L-3	29.5-25	29.50 x 25.00	22	TL	$3,114
(ANNC3)	L-3	29.5-25	29.50 x 25.00	28	TL	$3,353
L-3 DOZER/LOADER SERVICE ROCK HRL DL 3A & 3F			*(Life = 3200 hrs)*			
(ANND1)	L/G-3	15.5-25	15.50 x 25.00	12	TL	$552
(ANND2)	L/G-3	17.5-25	17.50 x 25.00	12	TL	$657
(ANND4)	L/G-3	17.5-25	17.50 x 25.00	20	TL	$957
(ANND6)	L-3	33.25-35	33.25 x 35.00	50	TL	$6,169
L-4 DOZER/LOADER SERVICE ROCK DEEP TREAD S			*(Life = 5000 hrs)*			
(ANNE1)	L-4	23.5-25	23.50 x 25.00	20	TL	$2,468
(ANNE2)	L-4	26.5-25	26.50 x 25.00	20	TL	$3,000
(ANNE3)	L-4	29.5-25	29.50 x 25.00	22	TL	$3,692
(ANNE4)	L-4	29.5-25	29.50 x 25.00	28	TL	$3,974
(ANNE5)	L-4	29.5-29	29.50 x 29.00	28	TL	$4,165
L-4 DOZER/LOADER SERVICE ROCK DEEP TREAD H			*(Life = 5000 hrs)*			
(ANNF1)	L-4	52/80-57	52.00 x 57.00	68	TL	$42,107
L-4 DOZER/LOADER SERVICE ROCK DEEP TREAD N			*(Life = 5000 hrs)*			
(ANNG1)	L-4	35/65-33	35.00 x 33.00	24	TL	$5,448
(ANNG2)	L-4	35/65-33	35.00 x 33.00	30	TL	$6,479
L-5 DOZER/LOADER SERVICE ROCK SUPER XTRA T			*(Life = 8000 hrs)*			
(ANNH1)	L-5	20.5-25	20.50 x 25.00	12	TL	$1,779
(ANNH2)	L-5	23.5-25	23.50 x 25.00	20	TL	$2,474
L-5 DOZER/LOADER SERVICE ROCK SUPER XTRA T			*(Life = 8000 hrs)*			
(ANNJ1)	L-5	26.5-25	26.50 x 25.00	20	TL	$3,333
(ANNJ2)	L-5	29.5-25	29.50 x 25.00	22	TL	$4,539

(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
(ANNJ4)	L-5	29.5-29	29.50 x 29.00	28	TL	$5,123
(ANNJ5)	L-5	37.25-35	37.25 x 35.00	42	TL	$8,789
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	$3,030
(ANNK2)	L-5	29.5-25	29.50 x 25.00	22	TL	$4,127
(ANNK4)	L-5	29.5-29	29.50 x 29.00	28	TL	$4,841
(ANNK5)	L-5	37.5-39	37.50 x 39.00	44	TL	$10,035
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	$6,735
(ANNL3)	L-5	40/65-39	40.00 x 39.00	30	TL	$8,565
(ANNL4)	L-5	41.25/70-39	41.25 x 39.00	34	TL	$9,811
(ANNL6)	L-5	45/65-45	45.00 x 45.00	38	TL	$11,924
(ANNL7)	L-5	45/65-45	45.00 x 45.00	46	TL	$12,466
(ANNL8)	L-5	50/65-51	50.00 x 51.00	62	TL	$29,697
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	$6,489
(ANNM2)	L-5	45/65-45	45.00 x 45.00	46	TL	$13,075
L-5 DOZER/LOADER SERVICE SMOOTH SMO SL5B			***(Life = 8000 hrs)***			
(ANNN1)	L-5S	17.5-25	17.50 x 25.00	20	TL	$2,162
(ANNN3)	L-5	18.00-25	18.00 x 25.00	28	TL	$3,098
L-5 DOZER/LOADER SERVICE SMOOTH SUPER XTRA			***(Life = 8000 hrs)***			
(ANNO1)	L-5S	21.00-25	21.00 x 25.00	32	TL	$5,072
(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	$4,371
(ANNO4)	L-5S	29.5-25	29.50 x 25.00	28	TL	$5,745
L-5 DOZER/LOADER SERVICE SMOOTH NSM DL5B			***(Life = 8000 hrs)***			
(ANNP1)	L-5S	35/65-33	35.00 x 33.00	24	TL	$6,922
(ANNP2)	L-5S	45/65-45	45.00 x 45.00	46	TL	$13,452
L-5 DOZER/LOADER SERVICE SMOOTH NYLOSTEEL			***(Life = 8000 hrs)***			
(ANNQ1)	L-5	45/65-45	45.00 x 45.00	38	TL	$11,924
(ANNQ2)	L-5	45/65-45	45.00 x 45.00	46	TL	$12,466
INDUSTRIAL, PRESSED-ON						
PRESSED-ON, HIGH PERFORMANCE, NON-MARKING			***(Life = 5000 hrs)***			
(EPPO5)		10-3-61/4	3.00 x 10.00		NO	$72
(EPPO4)		10-31/2-6	3.50 x 10.00		NO	$76
(EPPO18)		12-31/2-8	3.50 x 12.00		NO	$81
(EPPO23)		13-31/2-8	3.50 x 13.00		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
(EPPO25)		13-31/2-81/4	3.50 x 13.00		NO	$128
(EPPO32)		15-31/2-111/4	3.50 x 15.00		NO	$146
(EPPO1)		81/2-4-4	4.00 x 8.50		NO	$112
(EPPO6)		10-4-61/4	4.00 x 10.00		NO	$74
(EPPO10)		10-4-61/2	4.00 x 10.00		NO	$97
(EPPO3)		10-4- 5	4.00 x 10.00		NO	$129
(EPPO19)		12-4-8	4.00 x 12.00		NO	$86
(EPPO45)		16-4-121/8	4.00 x 16.00		NO	$99
(EPPO47)		161/4-4-111/4	4.00 x 16.25		NO	$94
(EPPO51)		161/4-4-111/2	4.00 x 16.25		NO	$162
(EPPO20)		12-41/2-8	4.50 x 12.00		NO	$84
(EPPO24)		13-41/2-8	4.50 x 13.00		NO	$92
(EPPO102)		13-41/2-8	4.50 x 13.00		NO	$113
(EPPO27)		131/2-41/2-8	4.50 x 13.50		NO	$91
(EPPO30)		14-41/2-8	4.50 x 14.00		NO	$103
(EPPO40)		16-41/2-101/2	4.50 x 16.00		NO	$125
(EPPO44)		16-41/2-12	4.50 x 16.00		NO	$127
(EPPO46)		16-41/2-121/8	4.50 x 16.00		NO	$141
(EPPO52)		17-41/2-121/8	4.50 x 17.00		NO	$131
(EPPO11)		10-43/4-61/2	4.75 x 10.00		NO	$75
(EPPO2)		9-5- 5	5.00 x 9.00		NO	$74
(EPPO12)		10-5-61/2	5.00 x 10.00		NO	$64
(EPPO101)		10-5-61/2	5.00 x 10.00		NO	$69
(EPPO7)		10-5-61/4	5.00 x 10.00		NO	$77
(EPPO13)		101/2-5-5	5.00 x 10.50		NO	$67
(EPPO15)		101/2-5-61/2	5.00 x 10.50		NO	$72
(EPPO26)		13-5-10	5.00 x 13.00		NO	$99
(EPPO31)		14-5-10	5.00 x 14.00		NO	$96
(EPPO33)		15-5-111/4	5.00 x 15.00		NO	$96
(EPPO38)		151/2-5-10	5.00 x 15.50		NO	$110
(EPPO41)		16-5-101/2	5.00 x 16.00		NO	$114
(EPPO48)		161/4-5-111/4	5.00 x 16.25		NO	$96
(EPPO53)		17-5-121/8	5.00 x 17.00		NO	$114
(EPPO56)		173/4-5-121/8	5.00 x 17.75		NO	$142
(EPPO58)		18-5-121/8	5.00 x 18.00		NO	$120
(EPPO63)		18-5-14	5.00 x 18.00		NO	$135
(EPPO68)		20-5-16	5.00 x 20.00		NO	$148
(EPPO73)		21-5-15	5.00 x 21.00		NO	$162
(EPPO110)		21-5-15	5.00 x 21.00		NO	$175
(EPPO79)		22-5-16	5.00 x 22.00		NO	$149
(EPPO21)		12-51/2-8	5.50 x 12.00		NO	$101
(EPPO28)		131/2-51/2-8	5.50 x 13.50		NO	$102
(EPPO8)		10-6-61/4	6.00 x 10.00		NO	$86

(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	$88
(EPPO14)		101/2-6-5	6.00 x 10.50		NO	$110
(EPPO34)		15-6-111/4	6.00 x 15.00		NO	$111
(EPPO39)		151/2-6-10	6.00 x 15.50		NO	$124
(EPPO42)		16-6-101/2	6.00 x 16.00		NO	$130
(EPPO103)		16-6-101/2	6.00 x 16.00		NO	$155
(EPPO49)		161/4-6-111/4	6.00 x 16.25		NO	$116
(EPPO104)		161/4-6-111/4	6.00 x 16.25		NO	$140
(EPPO54)		17-6-121/8	6.00 x 17.00		NO	$147
(EPPO57)		173/4-6-121/8	6.00 x 17.75		NO	$166
(EPPO59)		18-6-121/8	6.00 x 18.00		NO	$133
(EPPO64)		18-6-14	6.00 x 18.00		NO	$143
(EPPO106)		18-6-121/8	6.00 x 18.00		NO	$157
(EPPO69)		20-6-16	6.00 x 20.00		NO	$167
(EPPO74)		21-6-15	6.00 x 21.00		NO	$177
(EPPO111)		21-6-15	6.00 x 21.00		NO	$188
(EPPO80)		22-6-16	6.00 x 22.00		NO	$169
(EPPO89)		22-6-173/4	6.00 x 22.00		NO	$208
(EPPO22)		12-61/2-8	6.50 x 12.00		NO	$106
(EPPO29)		131/2-61/2-8	6.50 x 13.50		NO	$130
(EPPO9)		10-7-61/4	7.00 x 10.00		NO	$97
(EPPO17)		101/2-7-61/2	7.00 x 10.50		NO	$120
(EPPO35)		15-7-111/4	7.00 x 15.00		NO	$127
(EPPO43)		16-7-101/2	7.00 x 16.00		NO	$147
(EPPO50)		161/4-7-111/4	7.00 x 16.25		NO	$145
(EPPO105)		161/4-7-111/4	7.00 x 16.25		NO	$168
(EPPO55)		17-7-121/8	7.00 x 17.00		NO	$170
(EPPO60)		18-7-121/8	7.00 x 18.00		NO	$142
(EPPO107)		18-7-121/8	7.00 x 18.00		NO	$163
(EPPO65)		18-7-14	7.00 x 18.00		NO	$180
(EPPO70)		20-7-16	7.00 x 20.00		NO	$183
(EPPO75)		21-7-15	7.00 x 21.00		NO	$181
(EPPO112)		21-7-15	7.00 x 21.00		NO	$213
(EPPO81)		22-7-16	7.00 x 22.00		NO	$217
(EPPO90)		22-7-173/4	7.00 x 22.00		NO	$225
(EPPO94)		26-7-20	7.00 x 26.00		NO	$339
(EPPO36)		15-8-111/4	8.00 x 15.00		NO	$142
(EPPO61)		18-8-121/8	8.00 x 18.00		NO	$166
(EPPO66)		18-8-14	8.00 x 18.00		NO	$182
(EPPO108)		18-8-121/8	8.00 x 18.00		NO	$188
(EPPO71)		20-8-16	8.00 x 20.00		NO	$182
(EPPO76)		21-8-15	8.00 x 21.00		NO	$215
(EPPO113)		21-8-15	8.00 x 21.00		NO	$256

(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	$226
(EPPO115)		22-8-16	8.00 x 22.00		NO	$244
(EPPO91)		22-8-173/4	8.00 x 22.00		NO	$255
(EPPO37)		15-9-111/4	9.00 x 15.00		NO	$206
(EPPO67)		18-9-14	9.00 x 18.00		NO	$185
(EPPO62)		18-9-121/8	9.00 x 18.00		NO	$195
(EPPO109)		18-9-121/8	9.00 x 18.00		NO	$221
(EPPO72)		20-9-16	9.00 x 20.00		NO	$257
(EPPO77)		21-9-15	9.00 x 21.00		NO	$258
(EPPO114)		21-9-15	9.00 x 21.00		NO	$299
(EPPO83)		22-9-16	9.00 x 22.00		NO	$255
(EPPO116)		22-9-16	9.00 x 22.00		NO	$287
(EPPO84)		22-10-16	10.00 x 22.00		NO	$396
(EPPO92)		22-10-173/4	10.00 x 22.00		NO	$436
(EPPO95)		28-10-22	10.00 x 28.00		NO	$547
(EPPO99)		36-10-30	10.00 x 36.00		NO	$763
(EPPO85)		22-11-16	11.00 x 22.00		NO	$501
(EPPO78)		21-12-15	12.00 x 21.00		NO	$364
(EPPO86)		22-12-16	12.00 x 22.00		NO	$467
(EPPO96)		28-12-22	12.00 x 28.00		NO	$704
(EPPO100)		36-12-30	12.00 x 36.00		NO	$835
(EPPO87)		22-14-16	14.00 x 22.00		NO	$577
(EPPO93)		22-14-173/4	14.00 x 22.00		NO	$611
(EPPO97)		28-14-22	14.00 x 28.00		NO	$797
(EPPO88)		22-16-16	16.00 x 22.00		NO	$655
(EPPO98)		28-16-22	16.00 x 28.00		NO	$959
CONVEYOR/LOADER BELTING						
CONVEYOR BELTING (GOODYEAR WINGFOOT)			***(Life = 5000 hrs)***			
(AZZA1)		Conveyor Belting	24.00 x 50.00	2	NO	$312
(AZZA2)		Conveyor Belting	24.00 x 60.00	2	NO	$374
(AZZA3)		Conveyor Belting	24.00 x 70.00	2	NO	$436
(AZZA4)		Conveyor Belting	24.00 x 80.00	2	NO	$499
(AZZA5)		Conveyor Belting	24.00 x 90.00	2	NO	$561
(AZZA6)		Conveyor Belting	24.00 x 100.00	2	NO	$623
(AZZA7)		Conveyor Belting	24.00 x 110.00	2	NO	$686
(AZZA8)		Conveyor Belting	24.00 x 120.00	2	NO	$748
(AZZA9)		Conveyor Belting	24.00 x 130.00	2	NO	$811
(AZZA10)		Conveyor Belting	24.00 x 140.00	2	NO	$873
(AZZA11)		Conveyor Belting	24.00 x 150.00	2	NO	$935
(AZZA12)		Conveyor Belting	30.00 x 50.00	2	NO	$390
(AZZA13)		Conveyor Belting	30.00 x 60.00	2	NO	$468
(AZZA14)		Conveyor Belting	30.00 x 70.00	2	NO	$545

(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	$623
(AZZA16)		Conveyor Belting	30.00 x 90.00	2	NO	$701
(AZZA17)		Conveyor Belting	30.00 x 100.00	2	NO	$779
(AZZA18)		Conveyor Belting	30.00 x 110.00	2	NO	$857
(AZZA19)		Conveyor Belting	30.00 x 120.00	2	NO	$935
(AZZA20)		Conveyor Belting	30.00 x 130.00	2	NO	$1,013
(AZZA21)		Conveyor Belting	30.00 x 140.00	2	NO	$1,091
(AZZA22)		Conveyor Belting	30.00 x 150.00	2	NO	$1,169
(AZZA23)		Conveyor Belting	36.00 x 50.00	2	NO	$468
(AZZA24)		Conveyor Belting	36.00 x 60.00	2	NO	$561
(AZZA25)		Conveyor Belting	36.00 x 70.00	2	NO	$655
(AZZA26)		Conveyor Belting	36.00 x 80.00	2	NO	$748
(AZZA27)		Conveyor Belting	36.00 x 90.00	2	NO	$841
(AZZA28)		Conveyor Belting	36.00 x 100.00	2	NO	$935
(AZZA29)		Conveyor Belting	36.00 x 110.00	2	NO	$1,029
(AZZA30)		Conveyor Belting	36.00 x 120.00	2	NO	$1,122
(AZZA31)		Conveyor Belting	36.00 x 130.00	2	NO	$1,215
(AZZA32)		Conveyor Belting	36.00 x 140.00	2	NO	$1,309
(AZZA33)		Conveyor Belting	36.00 x 150.00	2	NO	$1,403
(AZZA34)		Conveyor Belting	42.00 x 50.00	2	NO	$545
(AZZA35)		Conveyor Belting	42.00 x 60.00	2	NO	$655
(AZZA36)		Conveyor Belting	42.00 x 70.00	2	NO	$763
(AZZA37)		Conveyor Belting	42.00 x 80.00	2	NO	$873
(AZZA38)		Conveyor Belting	42.00 x 90.00	2	NO	$981
(AZZA39)		Conveyor Belting	42.00 x 100.00	2	NO	$1,091
(AZZA40)		Conveyor Belting	42.00 x 110.00	2	NO	$1,200
(AZZA41)		Conveyor Belting	42.00 x 120.00	2	NO	$1,309
(AZZA42)		Conveyor Belting	42.00 x 130.00	2	NO	$1,418
(AZZA43)		Conveyor Belting	42.00 x 140.00	2	NO	$1,527
(AZZA44)		Conveyor Belting	42.00 x 150.00	2	NO	$1,636
(AZZA45)		Conveyor Belting	48.00 x 50.00	3	NO	$1,046
(AZZA46)		Conveyor Belting	48.00 x 60.00	3	NO	$1,256
(AZZA47)		Conveyor Belting	48.00 x 70.00	3	NO	$1,465
(AZZA48)		Conveyor Belting	48.00 x 80.00	3	NO	$1,674
(AZZA49)		Conveyor Belting	48.00 x 90.00	3	NO	$1,883
(AZZA50)		Conveyor Belting	48.00 x 100.00	3	NO	$2,093
(AZZA51)		Conveyor Belting	48.00 x 110.00	3	NO	$2,302
(AZZA52)		Conveyor Belting	48.00 x 120.00	3	NO	$2,511
(AZZA53)		Conveyor Belting	48.00 x 130.00	3	NO	$2,721
(AZZA54)		Conveyor Belting	48.00 x 140.00	3	NO	$2,930
(AZZA55)		Conveyor Belting	48.00 x 150.00	3	NO	$3,139
(AZZA56)		Conveyor Belting	60.00 x 50.00	4	NO	$2,438
(AZZA57)		Conveyor Belting	60.00 x 60.00	4	NO	$2,926

(1) TT = includes tube, TL = no tube, NO = no tube

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

EP CODE	INDUSTRY CODE	SIZE DESCRIPTION	SIZE	PLY	TUBE *(1)*	COST PER EACH
(AZZA58)		Conveyor Belting	60.00 x 70.00	4	NO	$3,415
(AZZA59)		Conveyor Belting	60.00 x 80.00	4	NO	$3,903
(AZZA60)		Conveyor Belting	60.00 x 90.00	4	NO	$4,391
(AZZA61)		Conveyor Belting	60.00 x 100.00	4	NO	$4,879
(AZZA62)		Conveyor Belting	60.00 x 110.00	4	NO	$5,366
(AZZA63)		Conveyor Belting	60.00 x 120.00	4	NO	$5,853
(AZZA64)		Conveyor Belting	60.00 x 130.00	4	NO	$6,341
(AZZA65)		Conveyor Belting	60.00 x 140.00	4	NO	$6,829
(AZZA66)		Conveyor Belting	60.00 x 150.00	4	NO	$7,317

(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.

Condition Factors (CF):		**Average**	**Severe**
A	Maintenance	1.00	1.00
B	Speeds	0.80	0.85
C	Curves	1.00	0.90
D	Surface Condition	0.90	0.70
E	Loads	0.90	0.80
CF	***Product of the factors (A x B x C x D x E)***	**0.65**	**0.43**

Wheel Position Factors (WPF):

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

Grade Factor (GF):

GF	Grade Factor (Drive Tires Only)	.085	0.75

APPENDIX G
TIRE LIFE AND TIRE WEAR FACTORS (Continued)

SECTION I. TIRE WEAR FACTORS (Continued)

Example: Final Tire Wear Factors for Wagon, Rear Dump
(See Appendix D, Category W15)

	Average	Severe
Front Tire - Average = (CF = 0.65)(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
AA	- AMERICAN AUGERS, INC.
AB	- ALLMAND BROTHERS, INC.
AC	- ACE ENTERPRISES
AD	- ACKER DIVISION, CHRISTENSEN-BOYLES
AE	- AEROIL PRODUCTS
AF	- AIRPLACO
AG	- ARROW-MASTER
AH	- AUTO CRANE COMPANY
AI	- AMIDA INDUSTRIES, INC.
AJ	- ALLEN ENGINEERING CORPORATION
AK	- TYLER EQUIPMENT COMPANY
AL	- ALLENTOWN PUMP & GUN
AM	- AMERICAN CRANE CORPORATION
AN	- ATLANTIC
AO	- ALKOTA CLEANING SYSTEMS, INC.
AP	- MORROW EQUIPMENT COMPANY, PECCO
AQ	- AQUATICS UNLIMITED
AR	- AMERICAN ROAD MACHINERY
AS	- ATLAS COPCO
AT	- ANDERSON TUNNELING
AU	- ALLIED CONSTRUCTION PRODUCTS
AV	- ALIVA
AX	- AMERICAN COMPACTION EQUIPMENT, INC.
AY	- AVERY FILTER COMPANY
BA	- BADGER DIVISION, BADGER CONSTRUCTION EQUIPMENT COMPANY
BB	- BASCO
BC	- BOCK
BD	- BRODERSON MANUFACTURING COMPANY
BE	- INGERSOL-RAND MATERIAL HANDLING
BG	- BARBER-GREENE COMPANY
BI	- BOR-IT MANUFACTURING COMPANY, INC.
BK	- BLAW-KNOX CONSTRUCTION EQUIPMENT

APPENDIX H
MANUFACTURER LIST

CODE	MANUFACTURER
BL	- BLASTRAC DIVISION, WHEELABRATOR CORPORATION
BO	- BOMAG DIVISION, COMPACTION AMERICA
BR	- BROOKVILLE MINING
BS	- BALDERSON, INC.
BU	- BUSH HOG
CA	- CATERPILLAR, INC.
CB	- CONSOLIDATED BAILING MACHINE COMPANY, INC.
CC	- CEMEN TECH
CD	- CDS GROUP
CE	- ATHEY HAULERS
CF	- CGR COMPACTING
CG	- CHEMGROUT INC.
CH	- CHAMPION ROAD MACHINERY INTERNATIONAL
CI	- CHIPMORE MANUFACTURING, INC.
CJ	- COLD JET
CK	- CHICAGO PNEUMATICS TOOL CO.
CL	- CON-E-CO
CM	- CLEMCO INDUSTRIES CORPORATION
CN	- CT ENVIROMENTAL SYSTEMS
CO	- COMPACTING TECHNOLOGIES INTERNATIONAL
CP	- CRISAFULLI PUMP
CQ	- CUSHION CUT
CR	- CAMLEVER
CS	- CASE CORPORATION
CT	- CLEVELAND TRENCHER
CU	- CUSCO INDUSTRIES
CW	- CMI CORPORATION (INCLUDING BIDWELL & LOADKING)
CX	- CMC (CONSTRUCTION MACHINERY COMPANY)
CY	- CENTRIC
CZ	- CLYDE IRON WORKS
DA	- ELCO INTERNATIONAL, INC.
DD	- DELTA DREDGE & PUMP CORPORATION

APPENDIX H
MANUFACTURER LIST

CODE	MANUFACTURER
DE	- DEMOLITION TECHNOLOGIES
DF	- DURA FLOAT
DJ	- CATERPILLAR (DJB)
DL	- PILECO
DO	- DOSCO CORPORATION
DR	- DRESSER INDUSTRIES
DS	- DREDGING SUPPLY COMPANY
DW	- DITCH WITCH
DY	- DYNAPAC DIVISION, SVELDA INDUSTRIES
EA	- EAGER BEAVER
EI	- EIMCO (EJC)
EL	- ELLICOTT MACHINE CORPORATION
EM	- EXCELL MACHINE INC.
ES	- ESCO CORPORATION
ET	- E.D. ETNYRE & COMPANY
EU	- EUCLID INDUSTRIES
EX	- EXCEL INDUSTRIES
EZ	- E-Z DRILL, INC.
FE	- FELKER
FG	- FINN EQUIPMENT
FH	- FRUEHAUF TRAILER CORPORATION
FI	- FIATALLIS
FL	- FLETCHER MINING EQUIPMENT
FN	- NEW HOLLAND NORTH AMERICA
FO	- FORD MOTOR COMPANY
FR	- FERGUSON
FU	- FURUKAWA
GA	- GRADALL COMPANY
GB	- GAR-BRO MANUFACTURING COMPANY
GD	- GARDNER DENVER INDUSTRIAL MACHINES, COOPER INDUSTRIES
GE	- GENSCO AMERICA COMPANY, LTD.
GF	- GRIFFIN DEWATERING

APPENDIX H
MANUFACTURER LIST

CODE	MANUFACTURER
GI	- GALION DIVISION, KOMATSO DRESSER COMPANY
GL	- GARLOCK EQUIPMENT COMPANY
GM	- GMC AND CHEVROLET
GN	- GALION DUMP BODIES
GO	- GOMACO CORPORATION
GR	- GORMAN-RUPP COMPANY
GV	- GROVE WORLDWIDE (Includes GROVE & MANLIFT)
HA	- HAZCO
HB	- HAWCO MANUFACTURING COMPANY
HD	- HYDRAULIC POWER SYSTEMS, INC.
HE	- HENDRIX MANUFACTURING COMPANY, INC.
HH	- H & H PUMP & DREDGE
HI	- HITACHI CONSTRUCTION MACHINERY
HM	- H & M VIBRO, INC
HN	- HINO DIESEL TRUCKS
HO	- HOMELITE COMPANY, SUBSIDIARY OF DEERE & COMPANY
HP	- COMPACTION AMERICA
HR	- HYDROCAL
HU	- HYUNDIA CONSTRUCTION EQUIPMENT
HW	- HEWITT-ROBINS
HY	- HYSTER AMERICA (Lift Trucks)
IC	- INTERNATIONAL CONSTRUCTION EQUIPMENT
ID	- KOMATSU DRESSER COMPANY
IE	- IDEAL MANUFACTURING
IG	- INGRAM MANUFACTURING COMPANY
IH	- NAVISTAR INTERNATIONAL CORP
IM	- INNOVATIVE MATERIAL SYSTEMS (IMS)
IN	- INGERSOLL-RAND CONSTRUCTION & MINING
IS	- INSLEY DIVISION, BADGER CONSTRUCTION EQUIPMENT COMPANY
IT	- NAVISTAR INTERNATIONAL CORPORATION
JC	- JCB
JD	- DEERE & COMPANY

APPENDIX H
MANUFACTURER LIST

CODE	MANUFACTURER
JO	- C. S. JOHNSON COMPANY
KA	- KAWASAKI LOADERS, INC.
KB	- KOLBERG MANUFACTURING COMPANY
KC	- KOBELCO AMERICA, INC.
KE	- KENWORTH TRUCK COMPANY
KF	- KNAPHEIDE MANUFACTURING COMPANY
KH	- KOHLER COMPANY
KI	- KLEIN PRODUCTS, INC.
KK	- KEENE ENGINEERING COMPANY
KL	- KOLMAN
KM	- KOMATSU DRESSER COMPANY
KN	- KENT DEMOLITION TOOLS
KO	- KOEHRING CRANES, INC.
KR	- TRANSCOASTAL MARINE SERVICES
KU	- KUBOTA TRACTOR CORPORATION
LA	- LAYTON MANUFACTURING COMPANY
LB	- LINK BELT CONSTRUCTION COMPANY
LC	- LINCOLN ELECTRIC COMPANY
LE	- LELY CORPORATION
LG	- LITTLE GIANT CRANE & SHOVEL
LH	- MORROW EQUIPMENT COMPANY
LI	- LINK BELT
LN	- LONDON MACHINERY INC.
LO	- LORAIN CRANES DIVISION, NORTHWEST ENGINEERING COMPANY
LS	- LAKE SHORE MINING EQUIPMENT
LU	- LABOUNTY
LY	- CUSHION CUT DIVISION, BOART LONGYEAR
MA	- MANITOWOC ENGINEERING COMPANY
MB	- M-B COMPANIES, INC.
MC	- VME NORTH AMERICA
MD	- MDI/YUTANI
ME	- MELROE COMPANY

APPENDIX H
MANUFACTURER LIST

CODE	MANUFACTURER
MF	- MF INDUSTRIAL
MG	- MCMASTER
MH	- MITSUBISHI FUSO TRUCK OF AMERICA
MI	- MITSUBISHI
MJ	- MILLER SPREADER COMPANY
MK	- MKT MANUFACTURING, INC.
ML	- MARLOW PUMPS
MM	- MACO-MEUDON
MN	- MAC CORPORATION
MO	- MORGEN MANUFACTURING COMPANY
MQ	- MORBARK INDUSTRIES, INC.
MR	- MOBILE DRILLING COMPANY, INC.
MT	- MACK TRUCKS, INC.
MU	- MULTIQUIP, INC.
MX	- MAXON INDUSTRIES
MY	- MIDLAND
MZ	- MARINE INLAND FABRICATERS
NE	- NEAL MANUFACTURING COMPANY, INC
NL	- NLB CORPORATION
NO	- NORTHWEST ENGINEERING COMPANY
NP	- NPK CONSTRUCTION EQUIPMENT
OK	- O & K
OL	- OLYMPYK CHAIN SAWS
ON	- ONAN CORPORATION
PA	- PALFINGER, INC.
PB	- PETTIBONE CRANES
PC	- PATENT CONSTRUCTION SYSTEMS
PE	- PETERBILT MOTORS COMPANY
PH	- P & H
PI	- PIQUA ENGINEERING
PL	- PRO-LINE
PO	- PROGRESSIVE DEVELOPMENT, INC.

APPENDIX H
MANUFACTURER LIST

CODE	MANUFACTURER
PR	- PERRIN, INC.
PW	- POWERSCREEN
PZ	- PACIFIC RUBBER
RA	- READ CORPORATION
RC	- ROSS COMPANY
RD	- REEDDRILL CORPORATION
RE	- REACH ALL
RI	- REYNOLDS INTERNATIONAL, L.P.
RK	- RAPID MIX
RM	- ROME PLOW COMPANY
RN	- ALLIED SYSTEMS COMPANY
RO	- LETOURNEAU / ROBBINS
RS	- ROSCO MANUFACTURING COMPANY
SA	- SAUERMAN
SC	- SCHWING AMERICA, INC.
SD	- SIOUX STEAM CLEANER CORPORATION
SE	- SEALMASTER, INC.
SF	- SECO CORPORATION
SH	- SHREAD-TECH LIMITED
SI	- SAKAI AMERICA, INC.
SJ	- SAKAI NAC
SK	- LTV ENERGY PRODUCTS
SM	- SEAARK MARINE
SN	- STEPHENS MANUFACTURING COMPANY, INC.
SO	- SOUTHWEST ENGINEERING
SP	- SPRAGUE AND HENWOOD
SR	- SULLAIR
SS	- SAMSUNG CONSTRUCTION EQUIPMENT
ST	- STOW MANUFACTURING, INC.
SU	- SULLIVAN INDUSTRIES, INC.
SV	- SOMERO INDUSTRIES
SW	- SNORKEL

APPENDIX H
MANUFACTURER LIST

CODE	MANUFACTURER
TA	- TAMPO MANUFACTURING COMPANY, INC.
TD	- TADANO AMERICA CORPORATION
TE	- TEREX CORPORATION
TK	- TAKEUCHI
TL	- TELEDYNE SPECIALTY EQUIPMENT CM PRODUCTS
TM	- TESMEC USA, INC.
TO	- TORO
TR	- O & K
TS	- TELSMITH
TT	- TRAIL KING
UE	- UNDERGROUND EQUIPMENT & SUPPLY
UN	- UNIT RIG
VA	- VOEST- ALPINE
VE	- VERMEER MANUFACTURING COMPANY
VI	- VINCE HAGAN COMPANY
VO	- VOLVO CONSTRUCTION EQUIPMENT
VS	- VALLEY SLURRY SEAL CO.
VU	- VULCAN IRON WORKS, INC.
WA	- HAULPAK DIVISION, KOMATSU AMERICA INTERNATIONAL
WC	- WACKER CORPORATION
WE	- WEATHERFORD U.S., INC.
WG	- ATLAS COPCO WAGNER
WI	- WILLMAR EQUIPMENT CO.
WL	- WALKER MANUFACTURING COMPANY, INC.
WN	- WAIN-ROY, INC.
WR	- WARNER FRUEHAUF TRAILER COMPANY, INC.
WS	- WHITEMAN CONSPRAY, INC
WT	- WIRTGEN AMERICAN, INC.
XX	- NO SPECIFIC MANUFACTURER
ZZ	- GENERIC EQUIPMENT

APPENDIX I

FEDERAL COST-OF-MONEY RATE

APPENDIX I
FEDERAL COST-OF-MONEY RATE
(Re-negotiation 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)

(Re-negotiation 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%

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 (including features required for safety) 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 & CLAMSHELL, CRAWLER MOUNTED**
	Power load lowering Independent swing and travel Third drum Torque converter (machines 1-1/2 CY or larger) Approximately one-half maximum boom length Counterweight (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

CAT . SUB	DESCRIPTION
C90.01	**TRUCK CRANES - LESS THAN 25 TONS** (Continued)
	Mechanical outriggers with screw jacks Maximum boom length at 360 degrees rating 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	
C90.04	Power load lowering 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)

CAT . SUB	DESCRIPTION
H25	**EXCAVATORS, HYDRAULIC** (Continued)
H30	
	Backhoe bucket linkage (with cylinder)
	Guards
	Counterweight
	Standard work lights
	Reverse signal (backup) alarm
	Rollover protective structures (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
	Rollover protective structures (ROPS)
	Fire extinguisher 5-B:C
L30	**LOADERS, BELT (CONVEYOR BELTS)**
	Power unit
	Head pulley clutch and backstop
	Belt cleaner and belt installing equipment
	King pin attachments
L35	**LOADERS, 1-1/2 CY AND LARGER**
L40	
	Blower fan
	Guard, power train
	Automatic bucket positioner
	Standard counterweight
	Machines less than 7 CY: General purpose or excavating bucket with bolt on cutting edge and no teeth
	Machines 7 CY or larger: Rock bucket with bolt on cutting edge and teeth
	Standard work lights
L35	**LOADERS, 1-1/2 CY AND LARGER** (Continued)
L40	
	Reverse signal (backup) alarm
	Rollover protective structures (ROPS)
	Fire extinguisher 5-B:C

CAT . SUB	DESCRIPTION
S10	**SCRAPERS**
S15	
S20	Control single lever
	Blower fan
	Standard work light
	Guards, power train
	Reverse signal (backup) alarm
	Rollover protective structures (ROPS)
	Fire extinguisher 5-B:C
	Supplemental steering
T15	**TRACTOR, CRAWLER**
	Hydraulic controls for ripper and blade
	Guards
	Blower fan
	Standard work lights
	Hook, front pull
	Track grousers (severe service for units over 200 hp)
	Counterweights where required
	Reverse signal (backup) alarm
	Rollover protective structures (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
	Rollover protective structures (ROPS)
	Hydraulic system with controls

CAT . SUB	DESCRIPTION
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
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
hr	hour
hp	horsepower
HPF	horsepower factor
ID No.	identification number
IGE	Independent Government Estimate
kW	kilowatt
N	number
LAF	labor adjustment factor
PDF	portable document format
RCF	repair cost factor
RF	repair factor
RPR	repairs
SLV	salvage value
TCI	tire cost index
TEV	total equipment value
TT	trailing tire
WHPY	working hours per year
WLS	water, lube, and supplies
yr	year

EQUIPMENT INDEX

CAT	DESCRIPTION	PAGE
A10	AGGREGATE/CHIP SPREADERS	2 - 21
A15	AIR COMPRESSORS, PORTABLE	2 - 21
A20	AIR HOSE, TOOLS & EQUIPMENT	2 - 22
A25	ASPHALT DISTRIBUTORS	2 - 25
A30	ASPHALT FINISHERS/PAVERS	2 - 25
A35	ASPHALT KETTLES	2 - 27
A40	ASPHALT & CONC. MILLERS/PROFILERS/PLANERS	2 - 27
A45	ASPHALT RECYCLERS & SEALERS	2 - 28
B10	BATCH PLANTS, ASPHALT & CONCRETE	2 - 29
B15	BROOMS, STREET SWEEPERS & FLUSHERS	2 - 35
B20	BRUSH CHIPPERS	2 - 36
B25	BUCKETS, CLAMSHELL	2 - 36
B30	BUCKETS, CONCRETE	2 - 39
B35	BUCKETS, DRAGLINE	2 - 40
C05	CHAIN SAWS	2 - 43
C10	COMPACTORS, MANUALLY OPERATED	2 - 43
C15	CONCRETE BLASTERS	2 - 46
C20	CONCRETE BUGGIES	2 - 46
C25	CONCRETE FINISHERS	2 - 47
C35	CONCRETE GUNITERS / SHOTCRETERS	2 - 49
C40	CONCRETE / WASTE MIXERS	2 - 51
C45	CONCRETE PAVING MACHINES	2 - 52
C55	CONCRETE PUMPS	2 - 53
C60	CONCRETE SAWS	2 - 54
C65	CONCRETE VIBRATORS	2 - 55
C75	CRANES, HYDRAULIC, SELF-PROPELLED	2 - 56
C80	CRANES, HYDRAULIC, TRUCK MOUNTED	2 - 58
C85	CRANES, MECHANICAL, CRAWLER MOUNTED	2 - 60

EQUIPMENT INDEX

CAT	DESCRIPTION	PAGE
C90	CRANES, MECHANICAL, TRUCK MOUNTED	2 - 64
C95	CRANES, TOWER	2 - 64
D10	DRILLS, AIR TRACK, CRAWLER MOUNTED	2 - 68
D15	DRILLS, BORING MACHINES	2 - 69
D20	DRILLS, CORE, COLUMN MOUNTED	2 - 70
D25	DRILLS, CORE, SKID MOUNTED	2 - 70
D30	DRILLS, EARTH/AUGER	2 - 71
D35	DRILLS, ROTARY BLAST HOLE	2 - 72
F10	FORK LIFTS	2 - 74
G10	GENERATOR SETS	2 - 74
G15	GRADERS, MOTOR	2 - 76
H10	HAMMERS, HYDRAULIC (DEMOLITION TOOL)	2 - 78
H13	HAZARD/TOXIC WASTE EQUIPMENT	2 - 79
H20	HOIST	2 - 86
H25	HYDRAULIC EXCAVATORS, CRAWLER MOUNTED	2 - 87
H30	HYDRAULIC EXCAVATORS, WHEEL MTD	2 - 95
H35	HYDRAULIC SHOVELS, CRAWLER MOUNTED	2 - 96
L10	LAND CLEARING EQUIPMENT	2 - 97
L15	LAWN MOWERS	2 - 98
L20	LIGHTING SETS, TRAILER MOUNTED	2 - 99
L25	LINE STRIPING EQUIPMENT	2 - 100
L30	LOADERS, BELT (CONVEYOR BELTS)	2 - 100
L35	LOADERS, FRONT END, CRAWLER TYPE	2 - 101
L40	LOADERS, FRONT END, WHEEL TYPE	2 - 101
L45	LOADERS WITH BACKHOE, CRAWLER TYPE	2 -
L50	LOADERS WITH BACKHOE, WHEEL TYPE	2 - 105
L55	LOADER/BACKHOE, ATTACHMENTS	2 - 106
L60	LOG SKIDDERS	2 - 107

EQUIPMENT INDEX

CAT	DESCRIPTION	PAGE
M10	MARINE EQUIPMENT	2 - 108
P10	PILE EXTRACTORS & LEADS	2 - 110
P20	PILE HAMMERS, DOUBLE ACTING	2 - 110
P25	PILE HAMMERS, SINGLE ACTING	2 - 111
P30	PILE HAMMERS, VIBRATORY	2 - 113
P35	PIPELAYERS	2 - 113
P40	PLATFORMS, AERIAL WORK	2 - 114
P45	PUMPS, GROUT	2 - 115
P50	PUMPS, WATER, CENTRIFUGAL, TRASH	2 - 117
P55	PUMPS, WATER, SUBMERSIBLE	2 - 118
P60	PUMPS, WATER, CENTRIF., DEWATERING	2 - 118
P65	PUMPS, WATER, DIAPHRAGM	2 - 119
P70	PUMPS, WATER (FOR CORE DRILLS)	2 - 120
R10	RIPPERS & HYDRAULIC BANK SLOPERS	2 - 120
R15	ROLLERS, STATIC, TOWED, PNEUMATIC	2 - 121
R20	ROLLERS, STATIC, TOWED, STEEL DRUM	2 - 121
R30	ROLLERS, STATIC, SELF-PROPELLED	2 - 122
R40	ROLLERS, VIBRATORY, TOWED	2 - 124
R45	ROLLERS, VIBRATORY, DOUBLE DRUM	2 - 124
R50	ROLLERS, VIBRATORY, SINGLE DRUM	2 - 126
R55	ROOFING EQUIPMENT	2 - 128
S10	SCRAPERS, ELEVATING	2 - 130
S15	SCRAPERS, CONVENTIONAL	2 - 130
S20	SCRAPERS, TANDEM POWERED	2 - 130
S25	SCRAPERS, TRACTOR DRAWN	2 - 131
S30	SCREENING & CRUSHING PLANTS	2 - 132
S35	SNOW REMOVAL EQUIPMENT	2 - 141
S40	SOIL & ROAD STABILIZERS	2 - 141

EQUIPMENT INDEX

CAT	DESCRIPTION	PAGE
S45	SPLITTERS, ROCK & CONCRETE	2 - 142
T10	TRACTOR BLADES & ATTACHMENTS	2 - 142
T15	TRACTORS, CRAWLER (DOZER)	2 - 144
T20	TRACTORS, WHEEL TYPE (DOZER)	2 - 147
T25	TRACTORS, WHEEL TYPE (FARM)	2 - 147
T30	TRENCHERS, CHAIN	2 - 148
T35	TRENCHERS, WHEEL TYPE	2 - 150
T40	TRUCK OPTIONS (ADD TRUCK)	2 - 150
T45	TRUCK TRAILERS	2 - 153
T50	TRUCKS, HIGHWAY	2 - 157
T55	TRUCKS, OFF-HIGHWAY	2 - 161
T56	TRUCKS, OFF-HIGHWAY/PRIME MOVER TRACTORS & WAGONS	2 - 163
T57	TRUCKS, VACUUM	2 - 163
T60	TRUCKS, WATER, OFF-HIGHWAY	2 - 164
T65	TUNNEL/MINING EQUIPMENT	2 - 165
W25	WATER & CO2 BLASTERS	2 - 169
W30	WATER TANKS	2 - 171
W35	WELDERS	2 - 172