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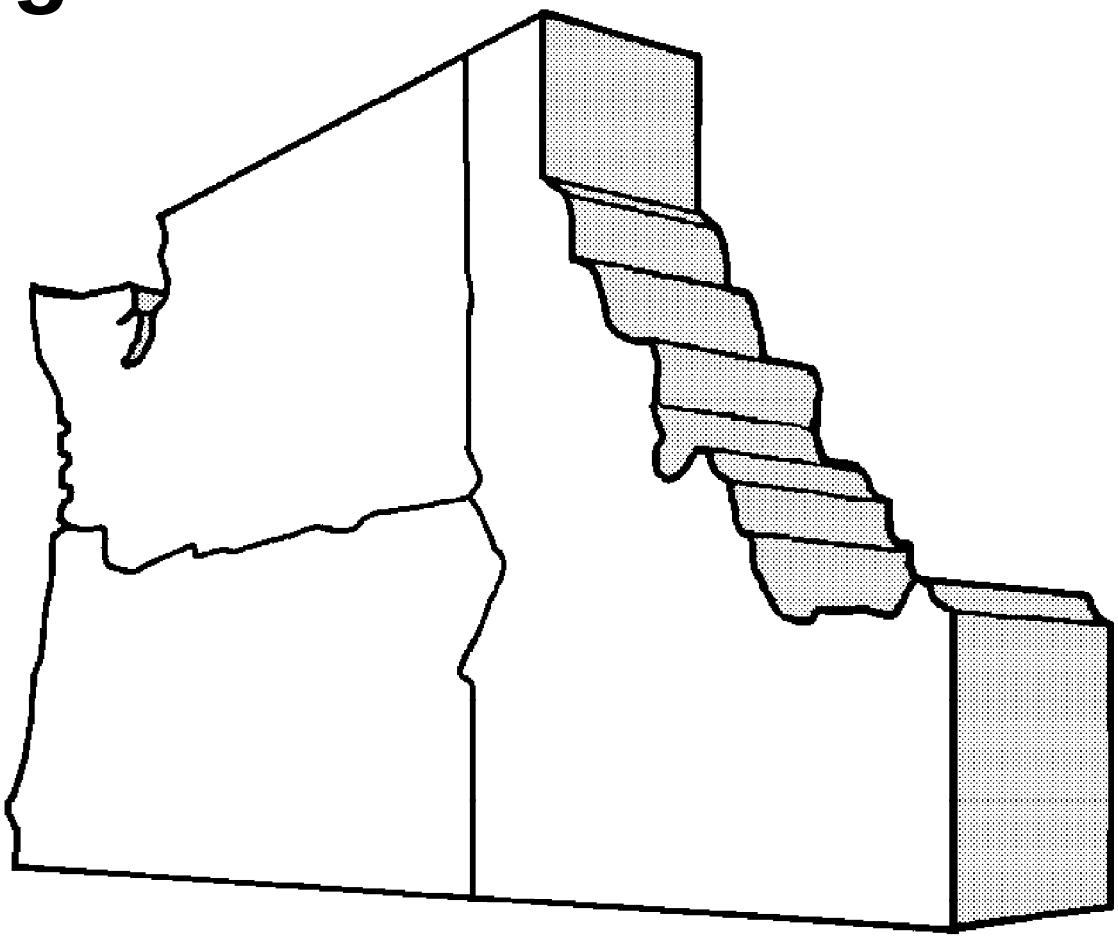
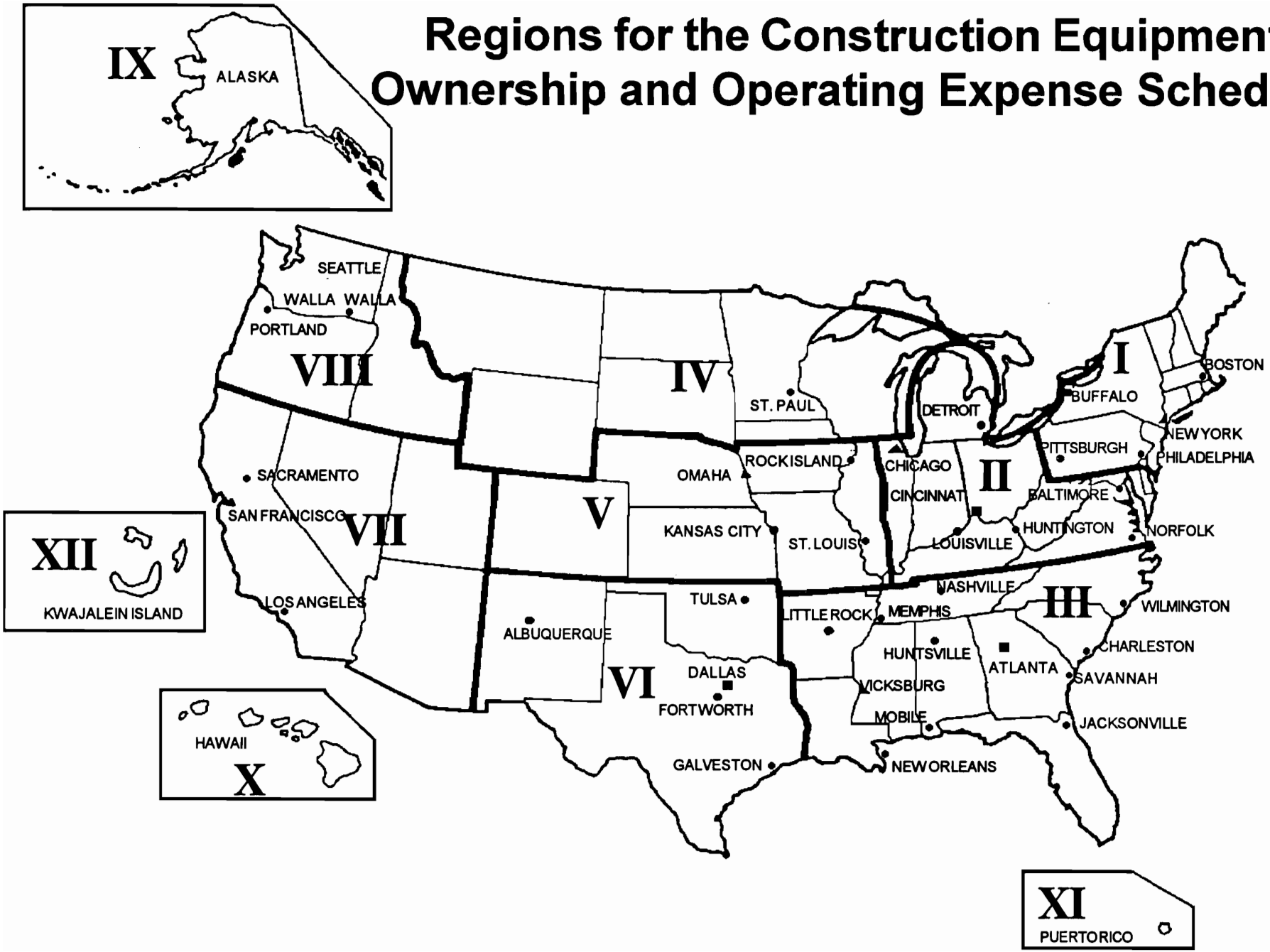
Construction Equipment Ownership and Operating Expense Schedule

Region VIII



Regions for the Construction Equipment Ownership and Operating Expense Schedule



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CONSTRUCTION EQUIPMENT OWNERSHIP AND OPERATING EXPENSE SCHEDULE

1. Purpose. This pamphlet is authorized by and established in accordance with Federal Acquisition Regulation (FAR) 31.105 and Engineer Federal Acquisition Regulation (EFAR) SUBPART 31.105. This pamphlet establishes predetermined equipment ownership and operating expense rates for construction and marine equipment. Expense factors for 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 VIII which includes the following states:

Idaho
Oregon
Washington

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

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

FOR THE COMMANDER:

10 Appendices
(See Table of Contents)

RUSSEL L. FUHRMAN
Major General, USA
Chief of Staff

This pamphlet supercedes EP 1110-1-8, dated 30 September 1997

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CHAPTER 1

INTRODUCTION

1-1. Use. The use of this pamphlet for rate determination on construction contracts, dredging contracts and negotiated procurements 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 (IGE).

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

(1) Cost or pricing data as defined in FAR Part 15 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, Walla Walla District, Corps of Engineers, (CENWW-ED-C) telephone 509-527-7511 or 509-527-7510. The CENWW-ED-C Homepage is at http://www.nww.usace.army.mil/html/offices/ed/cb/cepage.htm.

1-3. How to Obtain CHECKRATE Software. A spreadsheet named "**CHECKRATE**" has been developed to calculate equipment rates using the methodology required by EP1110-1-8. The user must have Microsoft Excel for Windows, Version 5.0 or newer, to run the application. The factors needed in the hourly costs calculations are located in the Appendixes of the EP1110-1-8. A copy of the software may be obtained at http://www.nww.usace.army.mil/html/offices/ed/cb/ep/checkrat.htm.

1-4. How to Obtain this Publication. Volumes 1 through 12 of this pamphlet are available in Portable Document Format (PDF) only and can be viewed or downloaded at http://www.usace.army.mil/inet/usace-docs/eng-pamphlets/cecw.htm. Copies of the CD-ROM (Volumes 1-12) are also available through either 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, Adjustments to Rates.

2-2. Basis for Equipment Rates. The hourly rates shown in TABLE 2-1, Hourly Equipment Ownership and Operating Expense Schedule reflect catalog list prices of three-year old equipment manufactured in 1996. Area factors are used to compute regional ownership and operating expenses and are listed in APPENDIX B, Area Factors. This hourly rate methodology assumes that equipment furnished to the job is in sound, workable condition. Furthermore, the methodology applies only to equipment which prime contractors or subcontractors either own or control. These hourly rates and cost factors do not represent rental charges for those in the business of renting equipment.

2-3. Total Hourly Rate. Hourly rates for average conditions are shown in TABLE 2-1 and computed based on a 40-hour workweek. The hourly rate is the sum of ownership and operating costs. TABLE 2-2, Hourly Rate Elements, 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, Standby Hourly Rate.

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

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

Fuel
Filters, oil, and grease (FOG) (includes servicing)
Repairs, which include 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 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 FAR 31.105(d)(2)(i).

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

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

(2) Jobsite security, inspection fees, record keeping, 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. Rates for both average and severe operating conditions are determined in accordance with APPENDIX C, Guide for Selecting Operating Conditions. Rates 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. Average condition rates are included in both TABLE 2-1 and TABLE 2-2. Only TABLE 2-2 contains the severe condition rates.

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

SECTION III. EQUIPMENT 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 sub group 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 is the CAT, the second two characters is the manufacturers code (Appendix H) and the last three characters is 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. Because of the various number of blade and ripper combinations available for each crawler tractor, all tractors include a blade attachment. Other blade and ripper attachments are shown separately. 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, Equipment Accessories.

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 the pamphlet as representative models until equivalent replacement units can be identified.

2-11. Discount Code. A 7.5 percent discount is taken on the total list price plus accessories for all equipment except highway trucks that are discounted 15.0 percent. The identification of the discount is shown in APPENDIX D under column heading DC (Discount Code), where B equals the basic discount of 7.5 percent and S equals the special discount of 15.0 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 amount of tax is given 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 hundred weight (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 is the expected economic life of the equipment and will vary based on the type of equipment and the condition of use. It is established from manufacturers' or equipment associations' recommendations. The expected economic life in hours is given in APPENDIX D, under the column heading LIFE, for both average and severe conditions.

2-16. Working Hours Per Year. Annual average operating hours has been established for equipment working within the region covered by this pamphlet. The number of working hours per year (WHPY) as shown in APPENDIX B is equivalent to one year's use for a single shift operation. Average hours of use per year are determined by reducing the maximum available hours per year (40 hours per week, 52 weeks per year) to allow for lost working days due to the following factors:

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

SECTION VI. SALVAGE VALUE

2-17. Salvage Value (SLV). Salvage values for equipment are based on the *Green Guide for Construction Equipment, Handbook of New and Used Construction Equipment Values*, and advertisements of used equipment for sale as displayed in current engineering and construction magazines.

2-18. Salvage Value Percentages. The salvage value percentage used for each type of equipment is listed in APPENDIX D under the heading SLV as a percentage of the equipment value. It is equal for both average condition and severe condition.

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

Ownership Rate/Hour = DEPR/Hour + FCCM/Hour

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 (total equipment value less estimated salvage and tire cost) by the expected economic life of the unit of equipment in hours. Expressed by formula, depreciation cost equals the following:

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

Where:

(1) Total Equipment Value (TEV) - see TABLE 2-1

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

(3) Tire Cost Index (TCI) is determined by dividing the year-of-manufacture tire index by present-year tire index. These indexes are listed as part of APPENDIX E, Economic Indexes for Construction Equipment (see EK100, All Tires and Tubes).

(4) Tire Cost is the tire and conveyor belt cost. This is considered an operating expense and is subtracted from the total equipment value before computing depreciation. The tire cost for rubber-tired equipment is based on tire values taken 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, Tire Description and Tire Cost (this data is provided for information only). Since APPENDIX F does not contain pricing information for all types and sizes of tires and belts, dealers should be contacted for any additional information.

(5) LIFE 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. Facilities Capital Cost of Money. Facilities Capital Cost of Money (FCCM), as defined in FAR 31.205-10 and CAS 414, is included in the total hourly rates. This cost was computed by multiplying the January 1999 cost-of-money rate (5.00%) determined by the Secretary of the Treasury pursuant to P.L. 92-41 (85 Stat. 97) by the average value of equipment and prorating the result over the annual operating hours. This cost-of-money rate was reduced 25.0% to avoid duplication when applying estimated markups for overhead and profit. The discounted FCCM rate is then 4.00%. The

Department of the Treasury adjusts the cost-of-money rate on or about 1 January and 1 July each year; these revisions are printed in the Federal Register. Expressed by formula, FCCM cost equals the following:

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

Where:

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

(2) Number of years (N) in depreciation period = LIFE / WHPY

(3) Current cost-of-money rate (FCCM) = (5.00%) / 1.25 = 4.00%

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. Fuel costs are calculated for each engine, as expressed in the following formula:

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

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

b. Fuel Factor - Gas or Diesel Fuel. The fuel factor in gallons per bhp (brake horsepower) hour is listed in APPENDIX D for both average and severe conditions. Fuel factors are also listed for both 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 conditions rate. Compute gas or diesel fuel factors by using the following formula:

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

Where:

(1) Bhp is the net brake horsepower of the engine at the flywheel at sea level and at full-load governed speed. The engine is fully equipped with generator, fan, air cleaner,

and other regular equipment. All horsepower ratings for engine-driven equipment are listed with the equipment description in TABLE 2-1.

(2) HPF is the horsepower factor used in the fuel and electricity consumption formulas and represents an average percent of full rated horsepower being utilized 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 horsepower factor. Professional judgement 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.

(3) Fuel (consumed) per bhp-hr is an average based on a variety of engine applications from manufacturers engine data. The following constants represent an average of the normal application of equipment and are indicative of engine fuel consumption industry-wide.

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

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

Fuel weight per gallon is based on the following estimate:

Gasoline = 6.00 lbs. per gallon
Diesel = 7.00 lbs. per gallon

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

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

d. Fuel and Electricity Costs. The cost per gallon for gasoline and diesel fuel used to compute the hourly fuel costs are shown in APPENDIX B. The hourly fuel costs for all gasoline powered equipment, diesel powered highway trucks, and truck crane carriers include an allowance for federal and state road taxes, sales taxes, and rental for fuel storage tanks and pumps. Costs per kilowatt hour for electricity used to compute electricity costs are also shown in APPENDIX B.

2-24. Filter, Oil, and Grease (FOG) Cost. FOG cost is computed as a percentage of the hourly fuel costs.

a. The FOG element contains all items of cost for routine servicing of the equipment including 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
Filters, oil, and grease allowance
Taxes and shipping for FOG supplies
Handling and disposal of hazardous materials and oils

b. 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 value calculated in paragraph 2-23.

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

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/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 a FOG allowance. The alternative fuel allowance is added to the alternative FOG allowance for a total alternative fuel/FOG cost. (See Figure 2-1, 5.c)

2-25. Repair Cost. The repair cost is an allowance for equipment repairs, maintenance, and major overhauls (including undercarriage wear) performed in either the field or the shop. Where tire cost is the cost of the tires when the equipment was

manufactured, use the same TCI and tire cost as shown in the depreciation calculation (see paragraph 2-20). The estimated hourly rate for repairs is computed as follows:

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

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

Repair Factor (RF) = Repair cost factor (RCF) x EAF x LAF

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

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

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

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

(b) Economic Index for the Year of Manufacture. This is the economic index for the year the equipment was manufactured (can be determined from equipment serial numbers). Locate the index number in APPENDIX E for the year and type of equipment. 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 Working Hours Per Year (WHPY from APPENDIX B). Refer to Chapter 3 for rate adjustments.

c. Items Included in the Repair Cost Factor. The estimated percentage allowances for the repair cost factor are shown in APPENDIX D under the column heading 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 which 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 as drive tires and are listed in the DT position. The total hourly tire wear cost for each unit of equipment is the sum of the hourly cost for each position. The hourly tire wear cost equals the current cost of new tires plus the cost of one recapping divided by the expected life of the new tires plus the life of the recapped tires. This hourly allowance for determining tire wear cost is expressed in the following formula:

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

Where:

(1) Tire Cost Factor is estimated at 1.50, 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, 4 new drive tires valued at $500 each would result in an amount of $2,000 for total drive tire cost. The size and cost of each tire used in the pamphlet are listed for information in APPENDIX F.

(3) Tire Life Factor is estimated at 1.80, which represents the purchase of the original tire 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, Tire Life and Tire Wear Factors, contains the methodology used to develop these factors and a computation example for a rear dump wagon.

(5) Maximum Tire Life 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 Co. and by using the method and tables in "Production and

Cost Estimating of Material Movement with Earthmoving Equipment"prepared by Terex Division of General Motors.

b. Tire Repair Cost. It has been estimated that tire repairs are 15 percent of the total hourly tire wear cost. LAF is used to adjust the tire repair cost to account for 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 Tire Wear Cost x .15 x LAF

c. Belt Cost is 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 from the average condition by allowing the full FCCM hourly cost plus one-half of the hourly depreciation. It is expressed as a formula, as follows:

Standby Rate/Hr = (DEPR/Hr x .50) + FCCM/Hr

a. Paid standby shall not exceed 40 hours per week (7 calendar days) 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, Equipment Rate Computation Worksheet, 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 the pamphlet and the

necessary factors to compute a rate are not found in APPPENDIX D, please call for assistance as explained in Chapter 1. Software **(CHECKRATE)** is also available for rate computation (see Chapter 1).

b. See Chapter 3, Adjustments to Rates, for further guidance on the procedure for rate adjustments.

Use this blank worksheet to compute rates for equipment that are 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 & EXPENSE FACTORS

For ID No: C90AM001

a. Equipment Specification Data:

(1) Equipment Description: CRANE, MECHANICAL, TRUCK MTD, AMERICAN CRANE

(2) Model and Series: 5530, 75 TON, W/170' BOOM

(3) Present Year or Year of Use: 1999

(4) Year Manufactured: 1996

(5) Horsepower - Equipment: 128

(6) Horsepower - Carrier: 238

(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): 1245 CWT

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

(a) Front:	No.: 4	Size/Ply: 14.00X20/20	Cost:	$	2,184
(b) Drive:	No.: 8	Size/Ply: 14.00X20/20	Cost:	$	4,368
(c) Trailing:	No.: N/A	Size/Ply:	Cost:	$	0
(d) Total Tire Cost:				$	6,552

USE APPENDIX D TO COMPLETE THE FOLLOWING DATA:

b. Category and Sub-category Number: C90 - 0.03

c. Hourly Expense Calculation Factors:

(1) Economic Key (E K): 20

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

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

(4) Life in Hours (LIFE): 18,000

(5) Salvage Value Percentage (SLV): 0.15

(6) Fuel Factor - Equipment (E G D): 0.026

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

(8) FOG Factor (E G D): 0.276

(9) Tire Wear Factor:

(a) Front (FT): 0.97

(b) Drive (DT): 0.78

(c) Trailing (TT): N/A

(10) Repair Cost Factor (RCF): 0.80

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Figure 2-1. Equipment Rate Computation Worksheet

2. EQUIPMENT VALUE

a. List Price + Accessories: (*at Year of Manufacture*) = $ 733,425

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

(733,425) x (0.075) = -($ 55,007)

(2) Subtotal [2.a.] - [2.a.(1)] S/T = $ 678,418

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

(678,418) x (0.045) = +$ 30,529

(4) Total Discounted Price: Subtotal: [2.a.(2)] + [2.a.(3)] S/T = $ 708,947

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

(1245 CWT) x (4.83) = +$ 6,013

c. TOTAL EQUIPMENT VALUE (TEV): **2. TOTAL: = $** 714,960
[(2.a.(4)] + [(2.b)]
(See Chapter 3 for used and overage equipment rate adjustments.)

3. DEPRECIATION PERIOD (N)

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

(18,000 Hrs) / (1540 Hrs/Yr) **3. TOTAL:** = 11.69 Yrs(N)

4. OWNERSHIP COST

a. Depreciation

(1) Tire Cost Index (TCI):

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

(2475) / (2400) = 1.031 (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)]

[(714,960) x **[** 1.0 - (0.15) **]** - **[** (1.031) x (6,552 **]]** / (18,000)

= $ 33.39 **/Hr**

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

[[(11.69 Yrs) - 1.0 **]** x **[** 1.0 +(0.15) **]** + 2.0 **]** / **[** 2.0 x (11.69 Yrs) **]** = 0.611 (AVF)

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

(714,960) x (0.611) x (0.040) / (1540 Hrs/Yr) = $ 11.35 **/Hr**

c. TOTAL HOURLY OWNERSHIP COST: **4. TOTAL:** = $ 44.74 **/Hr**
[4.a.(2)] + [4.b.(2)]

5. OPERATING COST

a. Fuel Cost:

(1) Equipment:

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

(0.026) x (128 HP) x (0.92 /Gal) = $ 3.06 **/Hr**

(2) Carrier:

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

(0.005) x (238 HP) x (1.17 /Gal) = $ 1.39 **/Hr**

(3) Total Hourly Fuel Cost: Total 5.a. = $ 4.45 **/Hr**
[(5.a (1)] + [5.a (2)]

b. FOG Cost:

(1) Equipment:

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

(0.276) x (3.06 /Hr) x (1.11) = $ 0.94 **/Hr**

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Figure 2-1. Equipment Rate Computation Worksheet

5. OPERATING COST (Continued)

(2) Carrier:

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

(0.276) x (1.39 /Hr) x (1.11) = $ 0.43 **/Hr**

(3) Total Hourly FOG Cost: Total 5.b. = $ 1.37 **/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)) / (Economic Index for Year 1a.(4))
[APPENDIX E] [APPENDIX E]

(5343) / (5013) = 1.066 (EAF)

(See TABLE 3-2 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]

(0.80) x (1.066) x (1.11) = 0.947 (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)]

[(714,960) - **[** (1.031) x (6,552) **]]** x (0.947) / (18,000)

(4) Total Hourly Repair Cost: Total 5.d. = $ 37.26 **/Hr**

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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:

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

[1.5 x (2,184)**]** / **[** 1.8 x (0.97) x (5000 /Hrs) **]**
= $ 0.38 **/Hr**

(2) Drive Tires:

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

[1.5 x (4,368)**]** / **[** 1.8 x (0.78) x (5000 /Hrs) **]**
= $ 0.93 **/Hr**

(3) Trailing Tires:

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

[1.5 x (0) **]** / **[** 1.8 x (0) x (0 /Hrs) **]**
= $ 0 **/Hr**

(4) Total Tire Wear Cost: Total 5.e. = $ 1.31 **/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]

(1.31) x 0.15 x (1.11) Total 5.f. = $ 0.22 **/Hr**

g. TOTAL HOURLY OPERATING COST: **5. TOTAL: =$** 44.61 **/Hr**
[Sum 5.a. through 5.f.]

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Figure 2-1. Equipment Rate Computation Worksheet

6. HOURLY RATES

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

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

(44.74 /Hr) + (44.61 /Hr)

= $ 89.35 /Hr

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

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

[(33.39 /Hr) + **[** (11.35 / Hr) x (40 Hrs/wk) / (60 Hrs/wk) **]** + (44.61 /Hr) **]**

= $ 85.57 /Hr

c. Standby Hourly Rate:

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

[(33.39 /Hr) x 0.50 **]** + (11.35 /Hr)

= $ 28.05 /Hr

See Chapter 3 if rate adjustments are necessary.

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Figure 2-1. Equipment Rate Computation Worksheet

TABLE 2-1

HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

EXPLANATION OF TABLE HEADINGS

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

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

ID NO.: C90AM001 is the unique identification number for the above American Crane. AM equals the manufacturer (see APPENDIX H, Manufacturer Codes). 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. The amount of horsepower and type of fuel used is stated. The American Crane carrier has a 238-horsepower engine and the crane has a 128-horsepower engine. Both engines are diesel (D)

VALUE (TEV): This column reflects the predetermined "equipment cost" used to compute the rates and is based on equipment purchased new in 1996.

TOTAL HOURLY RATES: All ownership and operating expenses for the average condition are included. All cost elements including fuel are totaled in the AVERAGE column. The STANDBY column includes the hourly allowance for equipment on legitimate standby status.

ADJUSTABLE ELEMENTS. This column shows ownership elements and fuel costs broken out of the AVERAGE column so they can be adjusted as indicated in Chapter 3. Operating costs may be determined by subtracting the ownership cost elements (DEPR plus FCCM) from the total hourly rate for the average condition. Fuel price adjustments can be performed to the total hourly cost shown under the FUEL column.

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

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/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		$84,279	20.36	4.79	6.68	1.45	3.54	165
	A10ET002		13.0' WIDE HOPPER, MECHANICAL DRIVE	185 HP D-off		$87,953	22.19	5.00	6.98	1.51	4.43	170
	A10ET003		10.0' WIDE HOPPER, HYDROSTATIC DRIVE SELF PROPELLED	148 HP D-off		$90,897	21.60	5.17	7.21	1.56	3.54	165
	A10ET004		13.0' WIDE HOPPER, HYDROSTATIC DRIVE SELF PROPELLED	185 HP D-off		$92,220	23.00	5.25	7.32	1.59	4.43	170
			ROSCO MANUFACTURING COMPANY									
	A10RS001	SPR-H	13.5' WIDE HOPPER, MECHANICAL	152 HP D-off		$80,737	19.85	4.58	6.37	1.39	3.64	156
	A10RS002	SPRH-H	13.5' WIDE HOPPER, MECHANICAL	152 HP D-off		$96,624	22.82	5.48	7.64	1.66	3.64	156
	SUBCATEGORY 0.20		**TOWED & TAILGATE**									
			AMERICAN ROAD MACHINERY									
	A10AR001	TG-505C	8.0' WIDE TAILGATE SPREADER (ADD DUMP TRUCK)			$3,430	0.93	0.29	0.46	0.06	0.00	5
	A10AR002	ODELL 900	8.0' WIDE SPREADER, TOWED, ASPHALT & AGGREGATE SPREADING 8" (ADD DUMP TRUCK)			$8,639	2.35	0.73	1.15	0.16	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		$13,642	4.75	0.75	1.02	0.24	1.76	23
	A15SR004	185	185 CFM QUIET, 100 PSI (ADD HOSE)	78 HP D-off		$15,932	6.53	0.88	1.19	0.28	2.80	24
	A15SR005	250	250 CFM QUIET, 100 PSI (ADD HOSE)	80 HP D-off		$20,539	7.45	1.13	1.54	0.36	2.87	26
	A15SR001	750XH	720 CFM QUIET, 300 PSI (ADD HOSE)	300 HP D-off		$104,705	32.83	5.75	7.79	1.86	10.76	105
	A15SR002	900XH	900 CFM QUIET, 350 PSI (ADD HOSE)	440 HP D-off		$128,447	43.72	7.05	9.55	2.28	15.79	157

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/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		$13,001	8.03	0.71	0.96	0.23	4.16	20
	A15XX002		100 CFM QUIET, 100 PSI (ADD HOSE)	35 HP	D-off		$13,850	4.13	0.76	1.02	0.25	1.26	17
	A15XX004		125 CFM QUIET, 100 PSI (ADD HOSE)	49 HP	D-off		$14,620	4.93	0.80	1.08	0.26	1.76	17
	A15XX006		175 CFM QUIET, 100 PSI (ADD HOSE)	57 HP	D-off		$19,326	6.14	1.05	1.43	0.34	2.05	19
	A15XX008		185 CFM QUIET, 100 PSI (ADD HOSE)	80 HP	D-off		$20,505	7.44	1.12	1.52	0.36	2.87	21
	A15XX009		250 CFM QUIET, 100 PSI (ADD HOSE)	80 HP	D-off		$30,686	9.25	1.69	2.29	0.54	2.87	30
	A15XX010		375 CFM QUIET, 100 PSI (ADD HOSE)	115 HP	D-off		$39,654	12.52	2.15	2.89	0.70	4.13	35
	A15XX011		450 CFM QUIET, 100 PSI (ADD HOSE)	174 HP	D-off		$49,913	17.15	2.72	3.66	0.89	6.24	43
	A15XX012		600 CFM QUIET, 100 PSI (ADD HOSE)	225 HP	D-off		$71,075	23.32	3.88	5.25	1.26	8.07	69
	A15XX013		750 CFM QUIET, 100 PSI (ADD HOSE)	240 HP	D-off		$77,143	25.11	4.22	5.70	1.37	8.61	72
	A15XX014		900 CFM QUIET, 100 PSI (ADD HOSE)	315 HP	D-off		$84,405	29.97	4.63	6.25	1.50	11.30	101
	A15XX015		1200 CFM QUIET, 100 PSI (ADD HOSE)	350 HP	D-off		$128,817	39.50	7.08	9.58	2.29	12.56	158
	A15XX016		1400 CFM QUIET, 100 PSI (ADD HOSE)	435 HP	D-off		$139,613	45.47	7.66	10.37	2.48	15.61	158
	A15XX017		1600 CFM QUIET, 100 PSI (ADD HOSE)	435 HP	D-off		$140,664	45.65	7.72	10.44	2.50	15.61	158
	A15XX018		1900 CFM QUIET, 100 PSI (ADD HOSE)	525 HP	D-off		$126,554	47.46	6.95	9.39	2.25	18.84	164
	SUBCATEGORY 0.20		**SHOP TYPE**										
			MCMASTER										
	A15MG099	4309K69	115V, 20 GALLON, PORTABLE, MAX 110 PSI	5 HP	E		$566	0.36	0.03	0.04	0.01	0.18	1
A20	**AIR HOSE, TOOLS & EQUIPMENT**												
	SUBCATEGORY 0.10		**AIR HOSE**										
			NO SPECIFIC MANUFACTURER										
	A20XX001	HARDROCK	0.75" DIA., 100' LONG				$135	0.09	0.01	0.03	0.00	0.00	1
	A20XX002	HARDROCK	1.00" DIA., 100' LONG				$426	0.32	0.07	0.11	0.01	0.00	1
	A20XX003	HARDROCK	1.25" DIA., 100' LONG				$550	0.41	0.08	0.14	0.01	0.00	1
	A20XX004	HARDROCK	1.50" DIA., 100' LONG				$661	0.50	0.10	0.17	0.01	0.00	1
	A20XX005	HARDROCK	2.00" DIA., 100' LONG				$809	0.62	0.13	0.21	0.02	0.00	1
	A20XX006	HARDROCK	2.50" DIA., 100' LONG				$1,181	0.89	0.17	0.30	0.02	0.00	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
A20			*NO SPECIFIC MANUFACTURER (continued)*									
	A20XX007	HARDROCK	3.00" DIA., 100' LONG			$1,445	1.09	0.22	0.37	0.03	0.00	1
	A20XX008	HARDROCK	4.00" DIA., 100' LONG			$2,207	1.67	0.32	0.57	0.04	0.00	2
	A20XX009	YELLOW-LINE	0.75" DIA., 100' LONG			$240	0.18	0.03	0.06	0.00	0.00	1
	A20XX010	YELLOW-LINE	1.00" DIA., 100' LONG			$293	0.23	0.05	0.08	0.01	0.00	1
	A20XX011	YELLOW-LINE	1.25" DIA., 100' LONG			$406	0.31	0.06	0.10	0.01	0.00	1
	A20XX012	YELLOW-LINE	1.50" DIA., 100' LONG			$461	0.35	0.07	0.12	0.01	0.00	1
	A20XX013	YELLOW-LINE	2.00" DIA., 100' LONG			$548	0.41	0.08	0.14	0.01	0.00	1
	A20XX014	YELLOW-LINE	2.50" DIA., 100' LONG			$892	0.68	0.14	0.23	0.02	0.00	1
	A20XX015	YELLOW-LINE	3.00" DIA., 100' LONG			$993	0.76	0.15	0.26	0.02	0.00	1
	A20XX016	YELLOW-LINE	4.00" DIA., 100' LONG			$1,416	1.07	0.21	0.36	0.03	0.00	1
	SUBCATEGORY 0.20		**SANDBLAST HOSE**									
			CLEMCO INDUSTRIES CORPORATION									
	A20CM017		0.75" ID, 4 PLY, 100' LONG			$451	0.37	0.07	0.12	0.01	0.00	1
	A20CM018		1.00" ID, 4 PLY, 100' LONG			$606	0.49	0.09	0.16	0.01	0.00	1
	A20CM019		1.50" ID, 4 PLY, 100' LONG			$778	0.63	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		$905	0.58	0.11	0.18	0.02	0.00	1
	A20CK001	CP-0014RR	ROTARY / CHIP HAMMER, 15 LB (ADD COMPR)	32 CFM A		$1,634	1.05	0.20	0.33	0.03	0.00	1
	A20CK003	CP-0022	ROCK DRILL / SINKER DRILL, 30 LB (ADD COMPR)	56 CFM A		$1,793	1.15	0.22	0.36	0.04	0.00	1
	A20CK004	CP-0032A-1	ROCK DRILL / SINKER DRILL, 45 LB (ADD COMPR)	103 CFM A		$1,942	1.25	0.24	0.39	0.04	0.00	1
	A20CK005	CP-0069	ROCK DRILL / SINKER DRILL, 55 LB (ADD COMPR)	130 CFM A		$2,129	1.37	0.26	0.43	0.04	0.00	1
	A20CK006	CP-0111-THLA	BREAKERS, FOUR BOLT, 25 LB (ADD COMPR)	45 CFM A		$1,276	0.82	0.15	0.26	0.02	0.00	1
	A20CK007	CP-1210-S	BREAKERS, FOUR BOLT, 35 LB (ADD COMPR)	48 CFM A		$1,195	0.76	0.14	0.24	0.02	0.00	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

	REGION 8			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES ($/HR)		ADJUSTABLE ELEMENTS			
CAT	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	1996 ($)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
A20			***CHICAGO PNEUMATICS TOOL CO. (continued)***									
	A20CK008	CP-1230-S1.25	BREAKERS, FOUR BOLT, 60 LB (ADD COMPR)	63 CFM A		$1,312	0.84	0.16	0.26	0.03	0.00	1
	A20CK009	CP-1240-S1.12	BREAKERS, FOUR BOLT, 80 LB (ADD COMPR)	81 CFM A		$1,447	0.93	0.17	0.29	0.03	0.00	1
	A20CK010	CP-1240-S1.25	BREAKERS, FOUR BOLT, 90 LB (ADD COMPR)	81 CFM A		$1,447	0.93	0.17	0.29	0.03	0.00	1
			CLEMCO INDUSTRIES CORPORATION									
	A20CM010	PACKAGE TWO	SANDBLASTER, 100 LB CAP, W/0.5" X 25' HOSE & ACCESSORIES (ADD COMPR & NOZZLE)	100 CFM A		$1,595	1.08	0.19	0.32	0.03	0.00	2
	A20CM011	PACKAGE FOUR	SANDBLASTER, 300 LB CAP, W/1.0" X 25' HOSE & ACCESSORIES (ADD COMPR & NOZZLE)	100 CFM A		$3,037	2.01	0.36	0.61	0.06	0.00	4
	A20CM012	PACKAGE SIX	SANDBLASTER, 600 LB CAP, W/1.25" X 25' HOSE & ACCESSORIES (ADD COMPR & NOZZLE)	100 CFM A		$3,540	2.40	0.42	0.71	0.07	0.00	6
	A20CM013		SANDBLASTER, 3 TON CAP, 1.25" PIPE W/50' HOSE & NOZZLE, TRAILER (ADD COMPRESSOR)	450 CFM A		$13,868	8.91	1.59	2.64	0.27	0.00	30
	A20CM014		SANDBLASTER, 6 TON CAP, 1.25" PIPE W/50' HOSE & NOZZLE, TRAILER (ADD COMPRESSOR)	700 CFM A		$16,634	10.50	1.85	3.03	0.33	0.00	35
	A20CM015		SANDBLASTER, 8 TON CAP, 1.25" PIPE W/50' HOSE & NOZZLE, TRAILER (ADD COMPRESSOR)	900 CFM A		$20,874	13.37	2.37	3.91	0.41	0.00	45
	A20CM016		STORAGE HOPPER, 700 CUBIC FOOT CAP 35 TON SAND BULK ABRASIVE STORAGE			$14,079	9.32	1.69	2.82	0.28	0.00	69
	A20CM009		STORAGE HOPPER, 700 CUBIC FT CAP., 35-TON SAND BULK ABRASIVE STORAGE			$19,952	13.07	2.39	3.99	0.39	0.00	70
			WACKER CORPORATION									
	A20WC002	EHB 10/110	BREAKER/DRILL, 40 LB (ADD GENERATOR)	2 HP E		$1,339	1.08	0.17	0.27	0.03	0.05	1
	A20WC004	BHF 30S	BREAKER/DRILL, 85 LB (W/POWER UNIT)	4 HP G		$3,621	2.71	0.43	0.72	0.07	0.29	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
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)			$43,653	12.22	2.96	4.37	0.77	0.00	60
	A25RS004	MAXIMIZER 11	1,600 GAL (FOR TRUCK MTG) HYDROSTATIC (ADD 24,000 - 32,000 GVW TRUCK)			$47,402	11.63	3.20	4.74	0.83	0.00	67
	A25RS006	MAXIMIZER 11	2,000 GAL (FOR TRUCK MTG) HYDROSTATIC (ADD 32,000 GVW TRUCK)			$48,156	11.82	3.26	4.82	0.85	0.00	70
	A25RS008	MAXIMIZER 11	3,600 GAL (FOR TRUCK MTG) HYDROSTATIC (ADD 42,000 GVW TRUCK)			$55,182	15.34	3.73	5.52	0.97	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		$190,988	47.40	10.79	15.01	3.28	3.25	347
	A30BG002	BG240B	10' SPW (WITH 19' 6" SCREED EXTENSION) WHEEL TYPE	115 HP D-off		$247,477	60.12	13.79	19.06	4.26	3.49	290
	A30BG003	BG260B	10' SPW (WITH 19' 6" SCREED EXTENSION) WHEEL TYPE	155 HP D-off		$266,557	65.92	14.85	20.53	4.58	4.71	323
	A30BG004	BG225B	8' SPW (WITH 15' 6" SCREED EXTENSION) CRAWLER	107 HP D-off		$236,635	57.26	13.54	18.93	4.07	3.25	322
	A30BG005	BG245B	10' SPW (WITH 19' 6" SCREED EXTENSION) CRAWLER	155 HP D-off		$280,868	68.82	16.06	22.47	4.83	4.71	366
	A30BG006	BG265B	10' SPW (WITH 19' 6" SCREED EXTENSION) CRAWLER	200 HP D-off		$301,520	75.11	17.24	24.12	5.18	6.07	417
			BLAW-KNOX CONSTRUCTION EQUIPMENT									
	A30BK010	PF-150	8' SPW, WHEEL TYPE	47 HP D-off		$115,293	27.05	6.48	9.00	1.98	1.43	153
	A30BK011	PF-161	8' SPW, WHEEL TYPE	105 HP D-off		$170,043	41.31	9.56	13.28	2.92	3.19	211
	A30BK012	PF-171A	8' SPW, WHEEL TYPE	108 HP D-off		$194,951	46.90	10.95	15.20	3.35	3.28	257

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
A30			***BLAW-KNOX CONSTRUCTION EQUIPMENT (continued)***										
	A30BK013	PF-3172	10' SPW, WHEEL TYPE	145 HP	D-off		$205,490	50.67	11.55	16.04	3.53	4.40	299
	A30BK014	PF-3180	10' SPW, WHEEL TYPE	169 HP	D-off		$232,585	57.58	13.05	18.10	4.00	5.13	338
	A30BK015	PF-3200	10' SPW, WHEEL TYPE	184 HP	D-off		$237,326	59.21	13.32	18.48	4.08	5.59	340
	A30BK016	PF-410	8' SPW, TRACK MOUNTED	100 HP	D-off		$208,962	49.47	11.95	16.72	3.59	3.04	223
	A30BK017	PF-5500	10' SPW, TRACK MOUNTED	169 HP	D-off		$251,682	61.53	14.40	20.13	4.33	5.13	340
	A30BK018	PF-5510	10' SPW, TRACK MOUNTED	184 HP	D-off		$256,004	63.08	14.64	20.48	4.40	5.59	320
			CATERPILLAR, INC.										
	A30CA001	AP-200B	9' SPW, CRAWLER MOUNTED	35 HP	D-off		$50,079	12.30	2.86	4.01	0.86	1.06	96
	A30CA006	AP-1000	10' SPW, PNEUMATIC,215 CF HOPPER	155 HP	D-off		$262,674	63.54	14.79	20.54	4.52	4.71	332
	A30CA002	AP-800C	10' PAVEMASTER, PNEUMATIC,195 CF HOPPER	107 HP	D-off		$222,487	52.83	12.54	17.41	3.83	3.25	306
	A30CA004	AP-1050	10' PAVEMASTER, PNEUMATIC, 215 CF HOPPER ,CRAWLER	155 HP	D-off		$281,525	67.46	16.10	22.52	4.84	4.71	380
	SUBCATEGORY 0.20		**TOWED**										
			BLAW-KNOX CONSTRUCTION EQUIPMENT										
	A30BK019	RW 100 A	ROAD WIDENER, SHOULDER PAVING MACHINE W/BLADE	105 HP	D-off		$163,462	35.96	9.26	12.89	2.81	3.19	245
	A30BK020	RW 195 D	ROAD WIDENER, SHOULDER PAVING MACHINE W/BLADE	173 HP	D-off		$209,773	47.72	11.90	16.59	3.61	5.25	330
	SUBCATEGORY 0.30		**SLURRY SEAL PAVERS (COLD MIX)**										
			NO SPECIFIC MANUFACTURER										
	A30XX001	MINIMAC	SLURRY SEAL PAVER, 8' WIDE	110 HP	D-off		$118,789	20.72	5.88	7.75	2.01	3.14	130
	A30XX002	MACROPAVER 12	SLURRY SEAL PAVER, 8' WIDE (ADD 40,000 GVW TRUCK)	110 HP	D-off		$136,240	22.89	6.84	9.08	2.30	3.14	175
	SUBCATEGORY 0.40		**MISCELLANEOUS ROAD EQUIPMENT**										
			CATERPILLAR, INC.										
	A30CA007	BG 650	WINDROW ELEVATOR 60" WIDE	107 HP	D-off		$99,726	23.69	5.63	7.85	1.71	3.25	171

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
A30			*CATERPILLAR, INC. (continued)*									
	A30CA010	RM350	SOIL RECLAIMER MIXER, 96" W X 15" D	430 HP D-off		$314,441	78.36	17.78	24.74	5.41	13.05	454
A35	**ASPHALT PAVING KETTLES**											
	SUBCATEGORY 0.00		**ASPHALT PAVING KETTLES**									
			AEROIL PRODUCTS									
	A35AE001	KE-B-80KE	80 GALLON, BOTTOM FIRED, TRLR MTD			$4,333	3.28	0.35	0.54	0.08	0.00	9
	A35AE002	KE-B-115KE	115 GALLON, BOTTOM FIRED, TRLR MTD			$4,674	4.09	0.38	0.58	0.09	0.00	11
	A35AE003	KE-B-170KE	170 GALLON, BOTTOM FIRED, TRLR MTD			$5,249	4.62	0.44	0.67	0.10	0.00	12
	A35AE004	KE-B-260KE	260 GALLON, BOTTOM FIRED, TRLR MTD			$6,205	5.81	0.51	0.80	0.11	0.00	16
	A35AE005	KE-B-360KE	360 GALLON, BOTTOM FIRED, TRLR MTD			$7,348	8.36	0.59	0.93	0.13	0.00	20
A40	**ASPHALT & CONCRETE MILLERS / PROFILERS / PLANERS**											
	SUBCATEGORY 0.00		**ASPHALT & CONCRETE MILLERS / PROFILERS / PLANERS**									
			CATERPILLAR, INC.									
	A40CA004	PR-450C	COLD PLANER, MAX CUT 75" W X 10" D	450 HP D-off		$354,128	95.15	20.25	28.33	6.09	13.66	510
	A40CA007	PM565	COLD PLANER, 83" W X 12" D	525 HP D-off		$467,762	122.87	26.75	37.42	8.04	15.94	735
	A40CA011	SM350	STABILIZER MIXER, 96" W X 20" D	430 HP D-off		$314,083	85.69	17.78	24.76	5.40	13.05	405
A45	**ASPHALT RECYCLERS & SEALERS**											
	SUBCATEGORY 0.00		**ASPHALT RECYCLERS & SEALERS**									
			AEROIL PRODUCTS									
	A45AE001	HE-PR-52V	RESURFACER-PATCHER, 600,000 BTU, INFRA-RED HEATER, TRAILER MOUNTED			$8,083	9.14	0.53	0.78	0.14	0.00	11
	A45AE002	HE-PR-96V	RESURFACER-PATCHER, 1,200,000 BTU, INFRA-RED HEATER, TRAILER MOUNTED			$15,736	18.22	1.05	1.54	0.28	0.00	16
	A45AE003	HE-PR-120V	RESURFACER-PATCHER, 1,420,000 BTU INFRA-RED HEATER, TRAILER MOUNTED			$18,528	21.53	1.24	1.82	0.33	0.00	17

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			SEALMASTER, INC.										
	A45SE002	SP200 DUAL	SEALCOATER, 108" SPRAY WIDTH, 200 GALLON DUAL SPRAY, SQUEEGEE	20 HP	G		$19,454	8.15	1.30	1.93	0.34	1.44	28
	A45SE003	SP300 DUAL	SEALCOATER, 108" SPRAY WIDTH, 300 GALLON DUAL SPRAY, SQUEEGEE	30 HP	G		$26,623	11.71	1.78	2.63	0.47	2.16	39
	A45SE004	TR-1000	TANK TRAILER, 1000 GALLON CAPACITY	16 HP	G		$15,401	5.95	1.01	1.48	0.27	1.15	52
			NO SPECIFIC MANUFACTURER										
	A45XX001	400 HD	JOINT & CRACK FILLER, 400 GAL, TRL MTD	23 HP	D-off		$39,692	10.95	2.65	3.89	0.70	0.70	55
B10	**BATCH PLANTS (ASPHALT & CONCRETE)**												
	SUBCATEGORY 0.20		**CONCRETE**										
			CEMEN TECH										
	B10CC001	SCD2-50H	STATIONARY CONCRETE DISPENSER, 30 CF CEMENT BIN, 2 CY AGGREGATE BIN, 15 CY/HOUR MAX OUTPUT	10 HP	E		$22,318	7.42	1.32	1.90	0.37	0.31	110
	B10CC002	SCD4.5-50H	STATIONARY CONCRETE DISPENSER, 50 CF CEMENT BIN, 4.5 CY AGGREGATE BIN 15 CY/HOUR MAX. OUTPUT	15 HP	E		$30,057	9.86	1.77	2.55	0.50	0.46	180
	B10CC003	SCD4.5-100H	STATIONARY CONCRETE DISPENSER, 50 CF CEMENT BIN, 4.5 CY AGGREGATE BIN, 30 CY/HOUR MAX. OUTPUT	25 HP	E		$38,687	13.24	2.29	3.29	0.64	0.76	190
	B10CC004	SCD8-100H	STATIONARY CONCRETE DISPENSER, 80 CF CEMENT BIN, 8 CY AGGREGATE BIN, 30 CY/HOUR MAX. OUTPUT	30 HP	E		$46,021	15.62	2.73	3.91	0.77	0.92	290
	B10CC005	SCD8-150H	STATIONARY CONCRETE DISPENSER, 80 CF CEMENT BIN, 8 CY AGGREGATE BIN, 60 CY/HOUR MAX. OUTPUT	50 HP	E		$52,450	18.47	3.10	4.46	0.87	1.53	300
	B10CC007	MCD2-50HT	MOBILE CONCRETE DISPENSER, 30 CF CEMENT BIN, 2 CY AGGREGATE BIN, 250 GALLON WATER SYSTEM, 15 CY/HOUR OUTPUT, TRAILER MOUNTED (ADD TRK IF REQD	18 HP	G		$31,135	11.70	1.81	2.58	0.52	1.30	80

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
B10			***CEMEN TECH (continued)***										
	B10CC008	MCD5-100H	MOBILE CONCRETE DISPENSER, 50 CF CEMENT BIN, 5 CY AGGREGATE BIN, 250 GALLON WATER SYSTEM, 30 CY/HOUR OUTPUT, TRUCK MOUNTED	163 HP	G		$69,442	35.41	3.93	5.56	1.15	11.76	132
	B10CC009	MCD8-100H	MOBILE CONCRETE DISPENSER, 85 CF CEMENT BIN, 8 CY AGGREGATE BIN, 400 GALLON WATER SYSTEM, 30 CY/HOUR MAX. OUTPUT, TRUCK MOUNTED	200 HP	G		$93,904	44.98	5.27	7.41	1.56	14.43	194
	B10CC010	MCD8-150H	MOBILE CONCRETE DISPENSER, 85 CF CEMENT BIN, 8 CY AGGREGATE BIN, 400 GALLON WATER SYSTEM, 60 CY/HOUR OUTPUT, TRUCK MOUNTED	200 HP	G		$102,440	47.13	5.77	8.14	1.70	14.43	204
	B10CC011	HS-240	BULK CEMENT SILO, 240 BARREL/38 TON CAP HORIZONTAL	20 HP	E		$21,726	6.75	1.29	1.85	0.36	0.61	45
	B10CC012		BULK CEMENT SILO, 210 BARREL (830 CF)	18 HP	G		$19,041	6.77	1.13	1.62	0.32	1.30	35
	B10CC013		BULK CEMENT SIL0, 300 BARREL (1200 CF)	18 HP	G		$23,018	7.70	1.36	1.96	0.38	1.30	48
	B10CC014		CEMENT BAG LOADING AUGER, 6" DIA., 19' LONG, ADJUSTABLE TO DISCHARGE OF 13' 6"	5 HP	E		$6,698	2.22	0.39	0.57	0.11	0.15	10
			CON-E-CO										
	B10CL009	ALL-PRO 10	CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE BATCHER, 50 CY AGGREGATE BIN, 10 CY CEMENT BATCHER, 400 BARRELS MAX / 333 MIN CAPACITY OF 200 CY/HR	40 HP	E		$113,382	30.02	6.66	9.55	1.88	1.22	250
	B10CL003	LO-PRO 5	CONCRETE BATCHING PLANT WITH 5 CY AGGREGATE BATCHER, 26 CY AGGREGATE BIN, 5 CY CEMENT BATCHER, 245 BARRELS MAX / 205 MIN CAPACITY OF 100 CY/HR	45 HP	E		$111,256	30.28	6.53	9.35	1.85	1.37	380
	B10CL001	LO-PRO 10	CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE BATCHER, 50 CY AGGREGATE BIN, 10 CY CEMENT BATCHER, 215 BARRELS MAX /179 MIN CAPACITY OF 200 CY/HR	60 HP	E		$125,172	34.57	7.30	10.44	2.08	1.83	410
	B10CL002	LO-PRO 12	CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 58 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 215 BARRELS MAX /179 MIN CAPACITY OF 240 CY/HR	60 HP	E		$131,990	36.58	7.70	11.02	2.19	1.83	425

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
B10			***CON-E-CO (continued)***										
	B10CL004	LO-PRO 10 HP	CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE BATCHER, 50 CY AGGREGATE BIN, 10 CY CEMENT BATCHER, 215 BARRELS MAX /179 MIN CAPACITY OF 275 CY/HR	85 HP	E		$173,541	46.47	10.16	14.55	2.88	2.60	410
	B10CL005	LO-PRO 10T-CM	CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE BATCHER, 50 CY AGGREGATE BIN, 10 CY CEMENT BATCHER, 215 BARRELS MAX / 179 MIN CAPACITY OF 275 CY/HR	120 HP	E		$188,129	51.85	11.02	15.79	3.13	3.67	410
	B10CL006	LO-PRO 12T-CM	CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 58 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 215 BARRELS MAX / 179 MIN CAPACITY OF 275 CY/HR	120 HP	E		$192,549	52.82	11.28	16.16	3.20	3.67	426
	B10CL007	LO-PRO T-10CM	CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE BATCHER, 35 CY AGGREGATE BIN, 10 CY CEMENT BATCHER, 215 BARRELS MAX / 179 MIN CAPACITY OF 275 CY/HR	295 HP	E		$189,020	60.71	11.07	15.86	3.14	9.01	400
	B10CL008	LO-PRO SUPER	CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE BATCHER, 48 CY AGGREGATE BIN, 10 CY CEMENT BATCHER, 243 BARRELS MAX / 202 MIN CAPACITY OF 480 CY/HR	345 HP	E		$187,828	63.28	11.00	15.76	3.12	10.54	500
	B10CL015	PLP MODEL 12	PORTABLE LOW PROFILE CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 60 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 475 BARRELS THEORETICAL CAPACITY OF 200 CY/HR	30 HP	E		$100,859	26.28	5.96	8.57	1.68	0.92	380
	B10CL016	PLP MODEL 10 C	PORTABLE LOW PROFILE CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE BATCHER, 60 CY AGGREGATE BIN, 10 CY CEMENT BATCHER, 475 BARRELS THEORETICAL CAPACITY OF 300 CY/HR	40 HP	E		$164,448	41.35	9.72	13.98	2.73	1.22	350
	B10CL017	PLP MODEL 12 C	PORTABLE LOW PROFILE CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 60 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 475 BARRELS THEORETICAL CAPACITY OF 360 CY/HR	40 HP	E		$170,617	42.72	10.09	14.50	2.84	1.22	380
	B10CL018	PLP SUPER 10	PORTABLE LOW PROFILE CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE BATCHER, 60 CY AGGREGATE BIN, 10 CY CEMENT BATCHER, 475 BARRELS THEORETICAL CAPACITY OF 480 CY/HR	75 HP	E		$200,947	51.57	11.88	17.08	3.34	2.29	380

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

	REGION 8			ENGINE HORSEPOWER FUEL TYPE			VALUE (TEV)	TOTAL HOURLY RATES ($/HR)		ADJUSTABLE ELEMENTS			
CAT	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN		CARRIER	1996 ($)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
B10			***CON-E-CO (continued)***										
	B10CL019	PLP SUPER 12	PORTABLE LOW PROFILE CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 60 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 475 BARRELS THEORETICAL CAPACITY OF 575 CY/HR	300 HP	E		$206,366	64.79	12.20	17.54	3.43	9.16	500
	B10CL020	SLP MODEL 12	STATIONARY LOW PROFILE CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 48 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 335 BARRELS THEORETICAL CAPACITY OF 200 CY/HR	40 HP	E		$112,453	29.82	6.65	9.56	1.87	1.22	380
	B10CL021	VERSA-PLANT 10	10 CY CAPACITY PORTABLE CONCRETE BATCHING PLANT, WITH STANDARD ACCESSORIES	35 HP	E		$55,143	16.38	3.22	4.60	0.92	1.07	190
	B10CL024	CON-E-CO 12	12 CY TILT MIXER, 11' 8" DIA. WITH MIXING BLADES, STATIONARY	200 HP	E		$164,156	49.26	9.71	13.95	2.73	6.11	90
	B10CL025	MTM 12	12 CY TILT MIXER, 11' 8" DIA. WITH REMOVABLE AXLES, TRAILER MOUNTED	200 HP	E		$185,806	54.07	10.95	15.71	3.09	6.11	130
	B10CL026		1340 CF CEMENT STORAGE SILO (335 BARREL MAX CAP/278 MIN) WITH DRIVE-THROUGH TYPE UNDERSTRUCTURE				$15,783	3.50	0.93	1.34	0.26	0.00	100
	B10CL027		1910 CF CEMENT STORAGE SILO (475 BARREL MAX CAP/397 MIN) WITH DRIVE-THROUGH TYPE UNDERSTRUCTURE				$18,281	4.05	1.08	1.55	0.30	0.00	144
	B10CL028		2040 CF CEMENT STORAGE SILO (510 BARREL MAX CAP/425 MIN) WITH DRIVE-THROUGH TYPE UNDERSTRUCTURE				$20,918	4.64	1.24	1.78	0.35	0.00	189
	B10CL029		2480 CF CEMENT STORAGE SILO (620 BARREL MAX CAP/516 MIN.) WITH DRIVE-THROUGH TYPE UNDERSTRUCTURE				$23,113	5.12	1.36	1.96	0.38	0.00	222
	B10CL030		3050 CF CEMENT STORAGE SILO (765 BARREL MAX CAP/637 MIN.) WITH DRIVE-THROUGH TYPE UNDERSTRUCTURE				$27,976	6.21	1.66	2.38	0.47	0.00	278
	B10CL031		4190 CF CEMENT STORAGE SILO (1045 BARREL MAX CAP/873 MIN.) WITH DRIVE-THROUGH TYPE UNDERSTRUCTURE				$40,392	8.96	2.39	3.43	0.67	0.00	370
	B10CL042		SCREW CONVEYOR, 6" DIA X 10' LONG, FOR CEMENT SILO (ATTACHMENT)	5 HP	E		$2,765	1.20	0.17	0.24	0.05	0.15	5
	B10CL043		SCREW CONVEYOR, 6" DIA X 15' LONG, FOR CEMENT SILO (ATTACHMENT)	8 HP	E		$3,294	1.55	0.19	0.28	0.05	0.24	8

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
B10			***CON-E-CO (continued)***										
	B10CL045		SCREW CONVEYOR, 6" DIA X 20' LONG, FOR CEMENT SILO (ATTACHMENT)	10 HP	E		$3,726	1.85	0.22	0.32	0.06	0.31	11
	B10CL046		SCREW CONVEYOR, 6" DIA X 25' LONG, FOR CEMENT SILO (ATTACHMENT)	10 HP	E		$4,143	1.99	0.25	0.35	0.07	0.31	13
	B10CL036		SCREW CONVEYOR, 9" DIA X 10' LONG, FOR CEMENT SILO (ATTACHMENT)	8 HP	E		$3,023	1.44	0.18	0.26	0.05	0.24	9
	B10CL038		SCREW CONVEYOR, 9" DIA X 15' LONG, FOR CEMENT SILO (ATTACHMENT)	15 HP	E		$3,743	2.08	0.22	0.32	0.06	0.46	12
	B10CL040		SCREW CONVEYOR, 9" DIA X 20' LONG, FOR CEMENT SILO (ATTACHMENT)	20 HP	E		$4,192	2.51	0.25	0.36	0.07	0.61	16
	B10CL041		SCREW CONVEYOR, 9" DIA X 25' LONG, FOR CEMENT SILO (ATTACHMENT)	20 HP	E		$4,769	2.69	0.28	0.41	0.08	0.61	19
	B10CL032		SCREW CONVEYOR, 12" DIA. X 10' LONG FOR CEMENT SILO (ATTACHMENT)	10 HP	E		$3,614	1.77	0.22	0.31	0.06	0.31	10
	B10CL033		SCREW CONVEYOR, 12" DIA X 15' LONG, FOR CEMENT SILO (ATTACHMENT)	15 HP	E		$4,463	2.29	0.26	0.38	0.07	0.46	15
	B10CL034		SCREW CONVEYOR, 12" DIA X 20' LONG, FOR CEMENT SILO (ATTACHMENT)	20 HP	E		$4,786	2.70	0.28	0.41	0.08	0.61	20
	B10CL035		SCREW CONVEYOR, 12" DIA X 25' LONG, FOR CEMENT SILO (ATTACHMENT)	25 HP	E		$7,119	3.55	0.42	0.61	0.12	0.76	25
			IDEAL MANUFACTURING										
	B10IE001	FAST-WAY BATC	6 CY BATCH PLANT, NO CEMENT SILO OR AGGREGATE STORAGE BIN, CHARGING BY FRONT-END LOADER	3 HP	E		$33,045	8.97	1.94	2.78	0.55	0.09	64
	B10IE002	FAST-WAY CEME	1155 CF (275 BARREL) CEMENT STORAGE WITH SELF-ERECTING HYDRAULIC SYSTEM	5 HP	E		$40,584	10.73	2.40	3.45	0.67	0.15	136
	B10IE003	FAST-WAY CEME	6" DIA X 19' LONG SCREW CONVEYOR (USED FOR BAGGED CEMENT)	3 HP	E		$5,588	1.87	0.32	0.47	0.09	0.09	10
			ROSS COMPANY										
	B10RC007	BANDIT	MOBILE CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE BATCHER, 64.3 TON/47.6 CY AGGREGATE BIN, 10 CY CEMENT BATCHER, 385 BARRELS, 200 CY/HOUR OUTPUT	23 HP	E		$100,492	25.91	5.88	8.41	1.67	0.69	420

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

	REGION 8			ENGINE HORSEPOWER FUEL TYPE			VALUE (TEV)	TOTAL HOURLY RATES ($/HR)		ADJUSTABLE ELEMENTS			
CAT	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN		CARRIER	1996 ($)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
B10			***ROSS COMPANY (continued)***										
	B10RC008	BTR BANDIT 12	MOBILE CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 64.3 TON/47.6 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 439 BARRELS MAX / 411 MIN CAPACITY CEMENT SILO, 200 CY/HOUR OUTPUT	23 HP	E		$104,549	26.81	6.12	8.75	1.74	0.69	250
	B10RC002	BOSS	MOBILE CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 83 TON/61.5 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 346 BARRELS MAX / 289 MIN CAPACITY CEMENT SILO	25 HP	E		$102,715	26.51	6.01	8.60	1.71	0.76	470
	B10RC004	110 RUSTLER	MOBILE CONCRETE BATCHING PLANT WITH 5 CY AGGREGATE WEIGHING BATCHER, 36.5 TON/27 CY AGGREGATE BIN, 5 CY CEMENT WEIGHING BATCHER, 225 BARRELS 110 CY/HOUR OUTPUT	30 HP	E		$100,810	26.82	5.90	8.45	1.68	0.92	325
	B10RC009	100 UNIPLANT	MOBILE CONCRETE BATCHING PLANT WITH 4 CY AGGREGATE BATCHER, 36.45 TON/27 CY AGGREGATE BIN, 4 CY CEMENT BATCHER, 224 BARRELS 100 CY/HOUR OUTPUT	37 HP	E		$98,326	26.56	5.75	8.24	1.63	1.12	300
	B10RC010	SUPER 100	MOBILE CONCRETE BATCHING PLANT WITH 5 CY AGGREGATE WEIGHING HOPPER, 43.2 TON/32 CY AGGREGATE BIN, 5 CY CEMENT BATCHER, 273 BARRELS 110 CY/HOUR OUTPUT	37 HP	E		$108,754	28.88	6.37	9.12	1.81	1.12	360
	B10RC005	160 RUSTLER	MOBILE CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE WEIGHING BATCHER, 60.75 TON/45 CY AGGREGATE BIN, 10 CY CEMENT WEIGHING BATCHER, 300 CEMENT SILO, 160 CY/HOUR OUTPUT	43 HP	E		$132,209	36.39	7.71	11.03	2.20	1.31	460
	B10RC006	RUSTLER II	MOBILE CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 70 TON/51.8 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 342 BARRELS 160 CY/HOUR OUTPUT	46 HP	E		$126,023	34.64	7.34	10.51	2.09	1.39	489
	B10RC011	135 UNIPLANT	MOBILE CONCRETE BATCHING PLANT WITH 8 CY AGGREGATE BATCHER, 60.75 TON/45 CY AGGREGATE BIN, 8 CY CEMENT BATCHER, 275 BARRELS 150 CY/HOUR OUTPUT	48 HP	E		$114,725	32.26	6.69	9.55	1.91	1.47	400

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
B10			***ROSS COMPANY (continued)***										
	B10RC001	BOSS V.P.	MOBILE CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 83 TON/61.5 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 316 BARRELS MAX /263 MIN CAPACITY CEMENT SILO	53 HP	E		$106,097	30.78	6.20	8.88	1.76	1.60	480
	B10RC003	BOSS EXECUTIV	MOBILE CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 83 TON/61.5 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 346 BARRELS MAX / 289 MIN CAPACITY CEMENT SILO	55 HP	E		$133,088	37.15	7.76	11.11	2.21	1.68	600
	B10RC014	WHPT-12	MODULAR BATCH PLANT, 4 AGGREGATE COMPARTMENTS WITH 222 TON CAPACITY, 1 CEMENT COMPARTMENT, 12 CY BATCHER	15 HP	E		$206,985	51.36	12.23	17.59	3.44	0.46	500
	B10RC012	XHPT-12	MODULAR BATCH PLANT, 4 AGGREGATE COMPARTMENTS WITH 239 TON CAPACITY, 1 CEMENT COMPARTMENT, 12 CY BATCHER	15 HP	E		$205,687	51.07	12.16	17.48	3.42	0.46	500
	B10RC013	HPXT-12	MODULAR BATCH PLANT, 3 AGGREGATE COMPARTMENTS WITH 300 TON CAPACITY, 1 CEMENT COMPARTMENT, 12 CY BATCHER	15 HP	E		$258,645	63.07	15.29	21.98	4.30	0.46	525
	B10RC015	HPWT-12	MODULAR BATCH PLANT, 4 AGGREGATE COMPARTMENTS WITH 300 TON CAPACITY, 1 CEMENT COMPARTMENT, 12 CY BATCHER	15 HP	E		$259,944	63.37	15.37	22.10	4.32	0.46	525
	B10RC016	MOBILE MIXER	4.5 CY PORTABLE MIXER WITH 44 FT., ATTACHED CONVEYOR	75 HP	E		$220,797	58.06	12.94	18.54	3.67	2.29	420
	B10RC017	COMPUMIX	PORTABLE MIXING PLANT WITH 4.5 CY MIXER, 5 CY AGGREGATE BATCHER, 5 CY CEMENT BATCHER, 24 FT. ATTACHED CONVEYOR FOR RCC MIXES	30 HP	E		$360,283	85.96	21.13	30.29	5.99	0.92	420
	B10RC023	60 UNIMIX	MOBILE BATCH PLANT- MIXER COMBINATION WITH 2 CY MIXING DRUM, 34 CY/45.9 TON AGGREGATE BIN CAPACITY, 258 BARRELS MAX / 215 MIN OUTPUT	40 HP	E		$217,783	55.23	12.79	18.34	3.62	1.22	530
	B10RC024	100 UNIMIX	MOBILE BATCH PLANT- MIXER COMBINATION WITH 3.5 CY MIXING DRUM, 34 CY/45.9 TON AGGREGATE BIN CAPACITY, 256 BARRELS MAX / 213 MIN CY/HOUR OUTPUT	60 HP	E		$244,803	63.16	14.34	20.53	4.07	1.83	600
	B10RC025	120 UNIMIX	MOBILE BATCH PLANT- MIXER COMBINATION WITH 4.5 CY MIXING DRUM, 58 CY/78.3 TON AGGREGATE BIN CAPACITY, 257 BARRELS MAX / 214 MIN CY/HOUR OUTPUT	80 HP	E		$260,907	68.66	15.29	21.90	4.34	2.44	720

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

	REGION 8			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES ($/HR)		ADJUSTABLE ELEMENTS			
CAT	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	1996 ($)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
B10			***ROSS COMPANY (continued)***									
	B10RC026	USA CENTRAL MI	MOBILE CENTRAL MIX PLANT WITH 105.7 CY/142.7 TON AGGREGATE BIN CAPACITY, 469 BARRELS MAX / 391 MIN CEMENT STORAGE CAPACITY, 47.5' OUTPUT	120 HP E		$646,446	157.15	37.98	54.47	10.75	3.67	800
		STEPHENS MANUFACTURING COMPANY, INC.										
	B10SN001	21ST 100-3	10 CY AGGREGATE BATCHER SECTION WITH 100 TON 3 COMPARTMENT BIN			$63,207	15.52	3.74	5.37	1.05	0.00	300
	B10SN002	21ST 100-4	10 CY AGGREGATE BATCHER SECTION WITH 100 TON 4 COMPARTMENT BIN			$66,175	16.27	3.91	5.62	1.10	0.00	320
	B10SN003	21ST 150-3	10 CY AGGREGATE BATCHER SECTION WITH 150 TON 4 COMPARTMENT BIN			$70,047	17.18	4.13	5.95	1.16	0.00	340
	B10SN004	21ST 150-3	10 CY AGGREGATE BATCHER SECTION WITH 200 TON 3 COMPARTMENT BIN			$71,293	17.47	4.22	6.06	1.19	0.00	360
	B10SN005	21ST 150-4	10 CY AGGREGATE BATCHER SECTION WITH 200 TON 4 COMPARTMENT BIN			$76,411	18.64	4.52	6.49	1.27	0.00	400
	B10SN006	21ST 200-3	10 CY AGGREGATE BATCHER SECTION WITH 250 TON 3 COMPARTMENT BIN			$77,084	18.80	4.55	6.55	1.28	0.00	480
	B10SN007	21ST 200-4	10 CY AGGREGATE BATCHER SECTION WITH 250 TON 4 COMPARTMENT BIN			$83,010	20.17	4.91	7.06	1.38	0.00	500
	B10SN008	21ST 300-3	10 CY AGGREGATE BATCHER SECTION WITH 300 TON 3 COMPARTMENT BIN			$83,146	20.19	4.92	7.07	1.38	0.00	560
	B10SN009	21ST 300-4	10 CY AGGREGATE BATCHER SECTION WITH 300 TON 4 COMPARTMENT BIN			$90,599	21.95	5.36	7.70	1.51	0.00	580
	B10SN010	21ST 350	10' DIAMETER CEMENT SILO W/BATCHER, 1405 CF, 66 TON CAPACITY			$33,809	8.79	2.00	2.87	0.56	0.00	170
	B10SN011	21ST 450	10' DIAMETER CEMENT SILO W/BATCHER, 1806 CF, 85 TON CAPACITY			$35,528	9.18	2.10	3.02	0.59	0.00	185
	B10SN012	21ST 550	10' DIAMETER CEMENT SILO W/BATCHER, 2207 CF, 104 TON CAPACITY			$36,827	9.47	2.17	3.13	0.61	0.00	200
	B10SN013	21ST 650	11' 4" DIA CEMENT SILO W/BATCHER, 2612 CF, 123 TON CAPACITY			$40,219	10.27	2.38	3.42	0.67	0.00	240
	B10SN014	21ST 650-2	11' 4" DIA 2-COMP CEMENT SILO W/ BATCHER, 2612 CF, 123 TON CAPACITY			$55,333	13.77	3.27	4.70	0.92	0.00	340
	B10SN015	21ST 750	11' 4" DIA CEMENT SILO W/BATCHER, 3006 CF, 141 TON CAPACITY			$42,225	10.77	2.50	3.59	0.70	0.00	270
	B10SN016	21ST 750-2	11' 4" DIA 2-COMP CEMENT SILO W/ BATCHER, 3006 CF, 141 TON CAPACITY			$58,866	14.56	3.48	5.00	0.98	0.00	390

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
B10			***STEPHENS MANUFACTURING COMPANY, INC. (continued)***									
	B10SN017	21ST 850	11' 4" DIA CEMENT SILO W/BATCHER 3410 CF, 160 TON CAPACITY			$46,500	11.71	2.75	3.95	0.77	0.00	300
	B10SN018	21ST 850-2	11' 4" DIA 2-COMP CEMENT SILO W/ BATCHER, 3410 CF, 160 TON CAPACITY			$62,712	15.46	3.71	5.33	1.04	0.00	440
	B10SN019	21ST MS350	10' DIAMETER MATERIAL STORAGE SILO, 1405 CF, 66 TON CAPACITY			$24,606	6.66	1.45	2.09	0.41	0.00	160
	B10SN020	21ST MS450	10' DIAMETER MATERIAL STORAGE SILO, 1806 CF, 85 TON CAPACITY			$25,904	6.94	1.53	2.20	0.43	0.00	175
	B10SN021	21ST MS550	10' DIAMETER MATERIAL STORAGE SILO, 2207 CF, 104 TON CAPACITY			$27,202	7.23	1.61	2.31	0.45	0.00	190
	B10SN022	21ST MS650	11' 4" DIA MATERIAL STORAGE SILO 2612 CF, 123 TON CAPACITY			$30,595	8.04	1.81	2.60	0.51	0.00	230
	B10SN023	21ST MS650-2	11' 4" DIA 2-COMP MATERIAL STORAGE SILO, 2612 CF, 123 TON CAPACITY			$45,776	11.55	2.71	3.89	0.76	0.00	330
	B10SN024	21ST MS750	11' 4" DIA MATERIAL STORAGE SILO, 3006 CF, 141 TON CAPACITY			$32,636	8.53	1.93	2.77	0.54	0.00	260
	B10SN025	21ST MS750-2	11' 4" DIA 2-COMP MATERIAL STORAGE SILO, 3006 CF, 141 TON CAPACITY			$49,310	12.34	2.92	4.19	0.82	0.00	380
	B10SN026	21ST MS850	11' 4" DIA MATERIAL STORAGE SILO, 3410 CF, 160 TON CAPACITY			$36,914	9.49	2.18	3.14	0.61	0.00	290
	B10SN027	21ST MS850-2	11' 4" DIA 2-COMP MATERIAL STORAGE SILO, 3410 CF, 160 TON CAPACITY			$53,180	13.29	3.14	4.52	0.88	0.00	430
	B10SN028	EAGLE1077	200 TON DUAL COMPARTMENT SILO, 160 CY CAPACTIY			$68,292	16.75	4.04	5.80	1.14	0.00	180
	B10SN029	EAGLE 1341	250 TON DUAL COMPARTMENT SILO, 199 CY CAPACTIY			$77,149	18.81	4.56	6.56	1.28	0.00	600
	B10SN030	EAGLE 1605	300 TON DUAL COMPARTMENT SILO, 238 CY CAPACTIY			$86,068	20.90	5.09	7.32	1.43	0.00	700
	B10SN031	DC-12	12 CY DECUMULATING AGGREG BATCHER, 2-COMPARTMENT	10 HP E		$40,083	10.67	2.38	3.41	0.67	0.31	130
	B10SN032	DC-12	12 CY DECUMULATING AGGREG BATCHER, 2-COMPARTMENT, WITH STRUCTURE FOR AGGREGATE BINS	10 HP E		$41,165	10.90	2.43	3.50	0.68	0.31	140
	B10SN033	DC COLT	12 CY DECUMULATING PORTABLE BATCH PLANT, 375 BBL SILO, 2-COMPARTMENT, AGGREGATE BIN, & 30" TRANSFER CONVEYOR			$80,926	19.46	4.79	6.88	1.35	0.00	340

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
B10			***STEPHENS MANUFACTURING COMPANY, INC. (continued)***										
	B10SN034	STALLION	10-12 CY STATIONARY BATCH PLANT, 610 BBL SILO, 3 COMPARTMENT AGGREGATE BIN, & 30" TRANSFER CONVEYOR				$96,295	22.86	5.70	8.19	1.60	0.00	360
	B10SN035	THOROUGH-BRE	10 CY MOBILE BATCH PLANT, 375 BBL SILO, 3 COMPARTMENT AGGREGATE BIN, & 30" TRANSFER CONVEYOR				$97,756	23.34	5.79	8.31	1.63	0.00	300
			VINCE HAGAN COMPANY										
	B10VI001	HT-10, 250A-45	MOBILE CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE WEIGH BATCHER, 45 TON/33.3 CY AGGREGATE BIN, 10 YARD/111 CF CEMENT WEIGH BATCHER, CEMENT SILO	20 HP	E		$110,797	27.07	6.46	9.23	1.84	0.61	396
	B10VI003	HSM-10,000A	STATIONARY MODULAR CONCRETE BATCH PLANT, 10 CY AGGREGATE WEIGH BATCHER, NO OVERHEAD AGGREGATE BIN, 10 YARD/111 CF CEMENT WEIGH BATCHER, NO CEMENT SILO	15 HP	E		$83,032	20.16	4.85	6.94	1.38	0.46	375
	SUBCATEGORY 0.30		**PUGMILL**										
			KOLMAN										
	B10KL001	Model 707	PORT. PUG. W/24" BELT X 50' CONVEYOR, 8 CY HOPPER & ASPHALT PUMPING SYSTEM	110 HP	D-off		$88,194	24.06	5.14	7.34	1.47	3.34	235
	B10KL004	Model 707	PORT. PUG. W/30" BELT X 50' CONVEYOR, 10 CY HOPPER & ASPHALT PUMPING SYSTEM	110 HP	D-off		$90,146	24.49	5.25	7.49	1.50	3.34	250
	B10KL005	Model 707	PORT. PUG. W/36" BELT X 50' CONVEYOR, 10 CY HOPPER & ASPHALT PUMPING SYSTEM	110 HP	D-off		$93,730	25.31	5.45	7.78	1.56	3.34	266
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)				$4,870	1.25	0.33	0.49	0.09	0.00	10

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
B15			***M-B COMPANIES, INC. (continued)***										
	B15MB002	HT	SWEEPER, 7' W, HYDR LIFT, W/SPRINKLER (ADD 45-100 HP TRACTOR PTO DRIVE), HVDTY				$7,040	1.79	0.47	0.70	0.12	0.00	14
	B15MB003	53T	SWEEPER, 7' W, HYDR LIFT, W/SPRINKLER MECH DRIVE, TOWED (ADD TOWING UNIT)				$8,499	2.23	0.56	0.82	0.15	0.00	18
	B15MB004	53MH	SWEEPER, 7' W, HYDR LIFT, W/SPRINKLER MOTOR DRIVEN, TOWED (ADD TOWING UNIT)	18 HP	G		$9,754	3.96	0.65	0.95	0.17	1.30	17
			ROSCO MANUFACTURING COMPANY										
	B15RS001	RB-48	STREET SWEEPER, 8' W, BRUSH, S/P	76 HP	D-off		$34,320	11.14	2.29	3.38	0.60	2.31	52
	B15RS002	MTA-H	STREET FLUSHER, 1,700 GAL, TRK MTD (ADD 18,000 - 24,000 GVW TRUCK)				$35,615	8.87	2.41	3.56	0.63	0.00	46
	B15RS003	MTA-H	STREET FLUSHER, 2,500 GAL, TRK MTD (ADD 24,000 - 32,000 GVW TRUCK)				$39,072	9.79	2.65	3.91	0.69	0.00	60
	B15RS004	MTA-H	STREET FLUSHER, 3500 GAL, TRK MTD (ADD 42,000 GVW TRUCK)				$45,327	11.36	3.07	4.53	0.80	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		$11,945	6.46	0.80	1.18	0.21	2.53	21
	B20MQ002	10	10" CHIPPER, DISC TYPE, TRLR MTD	80 HP	D-off		$19,478	8.08	1.30	1.93	0.34	2.43	44
	B20MQ003	13	13" CHIPPER, DISC TYPE, TRLR MTD	135 HP	G		$20,932	18.62	1.40	2.05	0.37	9.74	56
	B20MQ004	2400	17" CHIPPER, DISC TYPE, TRLR MTD	175 HP	D-off		$35,052	15.79	2.34	3.43	0.62	5.31	74
	B20MQ005	22 RXL	22" CHIPPER, DISC TYPE, TRLR MTD	600 HP	D-off		$293,049	98.82	19.70	29.10	5.15	18.22	720
			VERMEER MANUFACTURING COMPANY										
	B20VE003	BC 625	6" CHIPPER, DISC TYPE, TRLR MTD	22 HP	G		$9,194	4.47	0.60	0.88	0.16	1.59	17
	B20VE001	BC 1600A	6" CHIPPER, DRUM TYPE, TRLR MTD	81 HP	D-off		$19,301	8.08	1.29	1.91	0.34	2.46	46
	B20VE004	BC 935	9" CHIPPER, DISC TYPE, TRLR MTD	50 HP	D-off		$19,145	6.79	1.28	1.88	0.34	1.52	37
	B20VE005	BC 1250	12" CHIPPER, DISC TYPE, TRLR MTD	81 HP	D-off		$25,120	9.52	1.68	2.47	0.44	2.46	57

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
B20			***VERMEER MANUFACTURING COMPANY (continued)***									
	B20VE002	BC 1250	12" CHIPPER, DISC TYPE, TRLR MTD, WITH AUTOFEED	102 HP D-off		$23,380	9.94	1.56	2.30	0.41	3.10	51
B25	**BUCKETS, CLAMSHELL**											
	SUBCATEGORY 0.00		**BUCKETS, CLAMSHELL**									
			ESCO CORPORATION									
	B25ES001	GPS-5R26	0.625 CY BUCKET, GEN PURPOSE/SQUARE NOSE			$12,936	2.36	0.77	1.10	0.22	0.00	28
	B25ES002	GPS-6R32	0.750 CY BUCKET, GEN PURPOSE/SQUARE NOSE			$13,935	2.53	0.82	1.18	0.23	0.00	32
	B25ES003	GPS-7R34	0.875 CY BUCKET, GEN PURPOSE/SQUARE NOSE			$15,706	2.87	0.93	1.34	0.26	0.00	40
	B25ES004	GPS-9R38	1.125 CY BUCKET, GEN PURPOSE/SQUARE NOSE			$17,038	3.10	1.00	1.45	0.28	0.00	44
	B25ES005	GPS-12R41	1.500 CY BUCKET, GEN PURPOSE/SQUARE NOSE			$17,790	3.25	1.05	1.51	0.30	0.00	47
	B25ES006	GPS-14R43	1.750 CY BUCKET, GEN PURPOSE/SQUARE NOSE			$24,129	4.40	1.42	2.05	0.40	0.00	65
	B25ES007	GPS-17R46	2.125 CY BUCKET, GEN PURPOSE/SQUARE NOSE			$25,993	4.74	1.53	2.21	0.43	0.00	68
	B25ES008	GPS-19R48	2.375 CY BUCKET, GEN PURPOSE/SQUARE NOSE			$27,885	5.08	1.65	2.37	0.46	0.00	73
	B25ES009	GPS-24R51	3.000 CY BUCKET, GEN PURPOSE/SQUARE NOSE			$36,293	6.61	2.14	3.08	0.60	0.00	94
	B25ES010	GPS-28R56	3.500 CY BUCKET, GEN PURPOSE/SQUARE NOSE			$37,346	6.80	2.21	3.17	0.62	0.00	99
	B25ES011	GPS-32R60	4.000 CY BUCKET, GEN PURPOSE/SQUARE NOSE			$40,985	7.47	2.42	3.48	0.68	0.00	110
	B25ES012	GPS-38R60	4.750 CY BUCKET, GEN PURPOSE/SQUARE NOSE			$44,568	8.13	2.63	3.79	0.74	0.00	120
	B25ES013	GPS-40R60	5.000 CY BUCKET, GEN PURPOSE/SQUARE NOSE			$48,318	8.81	2.86	4.11	0.80	0.00	132
	B25ES014	GPS-50R67	6.250 CY BUCKET, GEN PURPOSE/SQUARE NOSE			$52,572	9.58	3.11	4.47	0.87	0.00	146

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

	REGION 8			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES ($/HR)		ADJUSTABLE ELEMENTS			
CAT	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	1996 ($)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
B25			***ESCO CORPORATION (continued)***									
	B25ES015	GPS-54R67	6.750 CY BUCKET, GEN PURPOSE/SQUARE NOSE			$56,706	10.34	3.35	4.82	0.94	0.00	158
	B25ES016	GPS-58R67	7.250 CY BUCKET, GEN PURPOSE/SQUARE NOSE			$58,795	10.72	3.48	5.00	0.98	0.00	166
	B25ES017	GPS-62R72	7.750 CY BUCKET, GEN PURPOSE/SQUARE NOSE			$62,959	11.48	3.72	5.35	1.05	0.00	177
	B25ES018	GPS-64R72	8.000 CY BUCKET, GEN PURPOSE/SQUARE NOSE			$65,141	11.88	3.85	5.54	1.08	0.00	185
	B25ES019	GPS-70R72	8.750 CY BUCKET, GEN PURPOSE/SQUARE NOSE			$68,511	12.49	4.05	5.82	1.14	0.00	192
	B25ES020	HDS-5R26	0.625 CY BUCKET, HEAVY DUTY/SQUARE NOSE			$12,383	2.26	0.73	1.05	0.21	0.00	29
	B25ES021	HDS-6R32	0.750 CY BUCKET, HEAVY DUTY/SQUARE NOSE			$13,233	2.41	0.78	1.12	0.22	0.00	33
	B25ES022	HDS-7R34	0.875 CY BUCKET, HEAVY DUTY/SQUARE NOSE			$18,165	3.31	1.07	1.54	0.30	0.00	43
	B25ES023	HDS-9R38	1.125 CY BUCKET, HEAVY DUTY/SQUARE NOSE			$18,371	3.35	1.09	1.56	0.31	0.00	49
	B25ES024	HDS-12R41	1.500 CY BUCKET, HEAVY DUTY/SQUARE NOSE			$19,462	3.54	1.15	1.65	0.32	0.00	53
	B25ES025	HDS-14R43	1.750 CY BUCKET, HEAVY DUTY/SQUARE NOSE			$26,584	4.85	1.57	2.26	0.44	0.00	74
	B25ES026	HDS-17R46	2.125 CY BUCKET, HEAVY DUTY/SQUARE NOSE			$27,711	5.06	1.64	2.36	0.46	0.00	78
	B25ES027	HDS-19R48	2.375 CY BUCKET, HEAVY DUTY/SQUARE NOSE			$28,689	5.24	1.70	2.44	0.48	0.00	82
	B25ES028	HDS-24R51	3.000 CY BUCKET, HEAVY DUTY/SQUARE NOSE			$36,463	6.65	2.16	3.10	0.61	0.00	104
	B25ES029	HDS-28R56	3.500 CY BUCKET, HEAVY DUTY/SQUARE NOSE			$39,888	7.27	2.36	3.39	0.66	0.00	115
	B25ES030	HDS-32R60	4.000 CY BUCKET, HEAVY DUTY/SQUARE NOSE			$45,451	8.29	2.69	3.86	0.76	0.00	126
	B25ES031	HDS-38R60	4.750 CY BUCKET, HEAVY DUTY/SQUARE NOSE			$48,877	8.90	2.89	4.15	0.81	0.00	137
	B25ES032	HDS-40R60	5.000 CY BUCKET, HEAVY DUTY/SQUARE NOSE			$52,501	9.57	3.10	4.46	0.87	0.00	147
	B25ES033	HDS-50R67	6.250 CY BUCKET, HEAVY DUTY/SQUARE NOSE			$57,501	10.49	3.40	4.89	0.96	0.00	163

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

	REGION 8			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES ($/HR)		ADJUSTABLE ELEMENTS			
CAT	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	1996 ($)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
B25			***ESCO CORPORATION (continued)***									
	B25ES034	HDS-54R67	6.750 CY BUCKET, HEAVY DUTY/SQUARE NOSE			$60,637	11.05	3.59	5.15	1.01	0.00	172
	B25ES035	HDS-58R67	7.250 CY BUCKET, HEAVY DUTY/SQUARE NOSE			$63,616	11.60	3.77	5.41	1.06	0.00	182
	B25ES036	HDS-62R72	7.750 CY BUCKET, HEAVY DUTY/SQUARE NOSE			$66,969	12.20	3.96	5.69	1.11	0.00	193
	B25ES037	HDS-64R72	8.000 CY BUCKET, HEAVY DUTY/SQUARE NOSE			$69,792	12.72	4.13	5.93	1.16	0.00	201
	B25ES038	HDS-70R72	8.750 CY BUCKET, HEAVY DUTY/SQUARE NOSE			$72,563	13.24	4.29	6.17	1.21	0.00	209
	B25ES039	XDS-5R30	0.625 CY BUCKET, EXTRA-HVY DUTY/SQ NOSE			$14,897	2.72	0.89	1.27	0.25	0.00	36
	B25ES040	XDS-7R34	0.875 CY BUCKET, EXTRA-HVY DUTY/SQ NOSE			$20,553	3.75	1.22	1.75	0.34	0.00	52
	B25ES041	XDS-10R38	1.250 CY BUCKET, EXTRA-HVY DUTY/SQ NOSE			$20,995	3.82	1.24	1.78	0.35	0.00	58
	B25ES042	XDS-12R41	1.500 CY BUCKET, EXTRA-HVY DUTY/SQ NOSE			$23,025	4.20	1.36	1.96	0.38	0.00	63
	B25ES043	XDS-14R43	1.750 CY BUCKET, EXTRA-HVY DUTY/SQ NOSE			$30,230	5.51	1.78	2.57	0.50	0.00	85
	B25ES044	XDS-17R46	2.125 CY BUCKET, EXTRA-HVY DUTY/SQ NOSE			$32,723	5.96	1.93	2.78	0.54	0.00	92
	B25ES045	XDS-19R48	2.375 CY BUCKET, EXTRA-HVY DUTY/SQ NOSE			$36,831	6.71	2.17	3.13	0.61	0.00	103
	B25ES046	XDS-24R51	3.000 CY BUCKET, EXTRA-HVY DUTY/SQ NOSE			$42,396	7.72	2.50	3.60	0.70	0.00	121
	B25ES047	XDS-30R56	3.750 CY BUCKET, EXTRA-HVY DUTY/SQ NOSE			$46,020	8.39	2.73	3.91	0.77	0.00	135
	B25ES048	XDS-32R60	4.000 CY BUCKET, EXTRA-HVY DUTY/SQ NOSE			$50,704	9.24	2.99	4.31	0.84	0.00	149
	B25ES049	XDS-38R60	4.750 CY BUCKET, EXTRA-HVY DUTY/SQ NOSE			$53,728	9.80	3.18	4.57	0.89	0.00	158
	B25ES050	XDS-40R60	5.000 CY BUCKET, EXTRA-HVY DUTY/SQ NOSE			$55,861	10.19	3.31	4.75	0.93	0.00	168
	B25ES051	XDS-50R67	6.250 CY BUCKET, EXTRA-HVY DUTY/SQ NOSE			$60,370	11.00	3.56	5.13	1.00	0.00	181
	B25ES052	XDS-54R67	6.750 CY BUCKET, EXTRA-HVY DUTY/SQ NOSE			$63,946	11.66	3.78	5.44	1.06	0.00	193

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
B25			***ESCO CORPORATION (continued)***									
	B25ES053	XDS-58R67	7.250 CY BUCKET, EXTRA-HVY DUTY/SQ NOSE			$67,227	12.26	3.98	5.71	1.12	0.00	203
	B25ES054	XDS-62R72	7.750 CY BUCKET, EXTRA-HVY DUTY/SQ NOSE			$71,484	13.04	4.23	6.08	1.19	0.00	220
	B25ES055	XDS-64R72	8.000 CY BUCKET, EXTRA-HVY DUTY/SQ NOSE			$74,040	13.50	4.38	6.29	1.23	0.00	223
	B25ES056	XDS-70R72	8.750 CY BUCKET, EXTRA-HVY DUTY/SQ NOSE			$76,779	14.01	4.54	6.53	1.28	0.00	241
			GENSCO AMERICA COMPANY, LTD.									
	B25GE001		10 CY BUCKET, HEAVY DUTY			$81,738	14.91	4.84	6.95	1.36	0.00	230
	B25GE002		11 CY BUCKET, HEAVY DUTY			$87,126	15.89	5.16	7.41	1.45	0.00	250
	B25GE003		12 CY BUCKET, HEAVY DUTY			$93,339	17.01	5.51	7.93	1.55	0.00	267
	B25GE004		13 CY BUCKET, HEAVY DUTY			$103,549	18.88	6.12	8.80	1.72	0.00	284
	B25GE005		14 CY BUCKET, HEAVY DUTY			$113,745	20.74	6.72	9.67	1.89	0.00	300
	B25GE006		15 CY BUCKET, MEDIUM DUTY			$123,027	22.44	7.28	10.46	2.05	0.00	320
	B25GE007		16 CY BUCKET, MEDIUM DUTY			$133,166	24.28	7.87	11.32	2.21	0.00	335
	B25GE008		17 CY BUCKET, MEDIUM DUTY			$143,227	26.11	8.46	12.17	2.38	0.00	342
	B25GE009		18 CY BUCKET, MEDIUM DUTY			$153,415	27.97	9.07	13.04	2.55	0.00	362
	B25GE010		19 CY BUCKET, MEDIUM DUTY			$163,582	29.82	9.67	13.90	2.72	0.00	380
	B25GE011		20 CY BUCKET, MEDIUM DUTY			$168,773	30.78	9.98	14.35	2.81	0.00	400
			PRO-LINE									
	B25PL001	PLCR-2	3 CY CLAMSHELL BUCKET, GEN PURPOSE			$21,755	3.97	1.29	1.85	0.36	0.00	70
	B25PL002	PLCR-2	4 CY CLAMSHELL BUCKET, GEN PURPOSE			$22,860	4.16	1.35	1.94	0.38	0.00	86
	B25PL003	PLCR-2	5 CY CLAMSHELL BUCKET, GEN PURPOSE			$30,738	5.60	1.81	2.61	0.51	0.00	109
	B25PL004	PLCR-2	6 CY CLAMSHELL BUCKET, GEN PURPOSE			$35,948	6.56	2.13	3.06	0.60	0.00	137
	B25PL005	PLCR-2	8 CY CLAMSHELL BUCKET, GEN PURPOSE			$40,317	7.35	2.39	3.43	0.67	0.00	167
	B25PL006	PLSR-2	1.5 CY CLAMSHELL BKT, STD HEAVY DUTY			$16,521	3.00	0.97	1.40	0.27	0.00	42
	B25PL007	PLSR-2	3 CY CLAMSHELL BKT, STD HEAVY DUTY			$20,857	3.80	1.23	1.77	0.35	0.00	70
	B25PL008	PLSR-2	4 CY CLAMSHELL BKT, STD HEAVY DUTY			$22,449	4.09	1.33	1.91	0.37	0.00	82
	B25PL009	PLSR	5 CY CLAMSHELL BKT, STD HEAVY DUTY			$24,126	4.40	1.42	2.05	0.40	0.00	94
	B25PL010	PLSR	6 CY CLAMSHELL BKT, STD HEAVY DUTY			$26,653	4.86	1.58	2.27	0.44	0.00	108
	B25PL011	PLSR	8 CY CLAMSHELL BKT, STD HEAVY DUTY			$32,922	6.01	1.95	2.80	0.55	0.00	138

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
B25			*PRO-LINE (continued)*									
	B25PL012	PLHR	1.5 CY CLAMSHELL BKT, HEAVY DUTY			$18,094	3.30	1.07	1.54	0.30	0.00	46
	B25PL013	PLHR	3 CY CLAMSHELL BKT, HEAVY DUTY			$21,948	4.00	1.29	1.87	0.36	0.00	76
	B25PL014	PLHR	4 CY CLAMSHELL BKT, HEAVY DUTY			$24,568	4.48	1.45	2.09	0.41	0.00	89
	B25PL015	PLHR	5 CY CLAMSHELL BKT, HEAVY DUTY			$25,597	4.68	1.52	2.18	0.43	0.00	103
	B25PL016	PLHR	6 CY CLAMSHELL BKT, HEAVY DUTY			$29,209	5.33	1.73	2.48	0.49	0.00	118
	B25PL017	PLHR	8 CY CLAMSHELL BKT, HEAVY DUTY			$35,626	6.50	2.11	3.03	0.59	0.00	149
B30	**BUCKETS, CONCRETE**											
	SUBCATEGORY 0.10		**GENERAL PURPOSE, MANUAL TRIP**									
			GAR-BRO MANUFACTURING COMPANY									
	B30GB001	433-G	1.000 CY, GENERAL PURPOSE			$2,506	0.44	0.14	0.20	0.04	0.00	7
	B30GB002	442-G	1.500 CY, GENERAL PURPOSE			$3,259	0.58	0.19	0.26	0.06	0.00	8
	B30GB003	462-G	2.000 CY, GENERAL PURPOSE			$4,058	0.72	0.23	0.32	0.07	0.00	12
	B30GB004	493-G	3.000 CY, GENERAL PURPOSE			$5,917	1.05	0.33	0.47	0.10	0.00	19
	B30GB005	4123-G	4.000 CY, GENERAL PURPOSE			$7,067	1.26	0.40	0.57	0.12	0.00	24
	SUBCATEGORY 0.20		**LAYDOWN**									
			GAR-BRO MANUFACTURING COMPANY									
	B30GB006	425-A	1.000 CY, HEAVY DUTY, AIR GATE			$12,831	2.36	0.73	1.03	0.22	0.00	26
	B30GB007	465-A	2.000 CY, HEAVY DUTY, AIR GATE			$13,852	2.55	0.80	1.11	0.24	0.00	32
	B30GB008	495-A	3.000 CY, HEAVY DUTY, AIR GATE			$15,467	2.85	0.89	1.24	0.27	0.00	40
	B30GB009	4125-A	4.000 CY, HEAVY DUTY, AIR GATE			$17,671	3.24	1.00	1.41	0.30	0.00	51
	B30GB010	4155-A	5.000 CY, HEAVY DUTY, AIR GATE			$21,908	4.03	1.25	1.75	0.38	0.00	73
	SUBCATEGORY 0.30		**LOWBOY**									
			CAMLEVER									
	B30CR001	LB-375	0.375 CY BUCKET, AIR OPERATED GATE			$3,605	0.68	0.20	0.29	0.06	0.00	2
	B30CR002	LB-050	0.500 CY BUCKET, AIR OPERATED GATE			$3,864	0.74	0.23	0.31	0.07	0.00	2
	B30CR003	LB-075	0.750 CY BUCKET, AIR OPERATED GATE			$4,174	0.79	0.24	0.33	0.07	0.00	3

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
B30			*CAMLEVER (continued)*									
	B30CR004	LB-100	1.000 CY BUCKET, AIR OPERATED GATE			$4,320	0.82	0.25	0.35	0.07	0.00	5
	B30CR005	LB-150	1.500 CY BUCKET, AIR OPERATED GATE			$5,088	0.97	0.29	0.41	0.09	0.00	6
	B30CR009	LXB-150	1.500 CY BUCKET, AIR OPERATED GATE			$5,353	1.01	0.30	0.43	0.09	0.00	6
	B30CR006	LB-200	2.000 CY BUCKET, AIR OPERATED CATE			$5,986	1.13	0.34	0.48	0.10	0.00	8
	B30CR010	LXB-200	2.000 CY BUCKET, AIR OPERATED GATE			$6,241	1.19	0.36	0.50	0.11	0.00	6
	B30CR011	LXB-300	3.000 CY BUCKET, AIR OPERATED GATE			$7,394	1.40	0.42	0.59	0.13	0.00	6
	B30CR012	LXB-400	4.000 CY BUCKET, AIR OPERATED GATE			$8,537	1.62	0.49	0.68	0.15	0.00	6
	SUBCATEGORY 0.40		**LOW SLUMP**									
			GAR-BRO MANUFACTURING COMPANY									
	B30GB011	440-A	1.000 CY, AIR GATE			$10,153	1.92	0.58	0.81	0.17	0.00	20
	B30GB012	450-A	1.500 CY, AIR GATE			$10,523	1.99	0.60	0.84	0.18	0.00	21
	B30GB013	460-A	2.000 CY, AIR GATE			$10,927	2.07	0.63	0.87	0.19	0.00	24
	B30GB014	493-A	3.000 CY, AIR GATE			$14,463	2.74	0.83	1.16	0.25	0.00	49
	B30GB015	4139-A	4.000 CY, AIR GATE			$14,994	2.84	0.86	1.20	0.26	0.00	52
	B30GB016	4200-A	6.000 CY, AIR GATE			$21,575	4.09	1.23	1.73	0.37	0.00	78
	B30GB017	4250-A	8.000 CY, AIR GATE			$25,931	4.91	1.48	2.07	0.45	0.00	90
B35	**BUCKETS, DRAGLINE**											
	SUBCATEGORY 0.10		**LIGHT WEIGHT**									
			HENDRIX MANUFACTURING COMPANY, INC.									
	B35HE001	LS	0.75 CY BUCKET, LIGHT WEIGHT/PERFORATED			$4,698	1.05	0.33	0.50	0.08	0.00	15
	B35HE002	LS	1.00 CY BUCKET, LIGHT WEIGHT/PERFORATED			$5,579	1.25	0.40	0.59	0.10	0.00	18
	B35HE003	LS	1.50 CY BUCKET, LIGHT WEIGHT/PERFORATED			$7,383	1.65	0.52	0.78	0.13	0.00	26
	B35HE004	LS	2.00 CY BUCKET, LIGHT WEIGHT/PERFORATED			$8,720	1.96	0.61	0.93	0.15	0.00	32
	B35HE005	LS	2.50 CY BUCKET, LIGHT WEIGHT/PERFORATED			$10,244	2.29	0.72	1.09	0.17	0.00	37

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

	REGION 8			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES ($/HR)		ADJUSTABLE ELEMENTS			
CAT	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	1996 ($)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
B35			***HENDRIX MANUFACTURING COMPANY, INC. (continued)***									
	B35HE006	LS	3.00 CY BUCKET, LIGHT WEIGHT/PERFORATED			$12,637	2.83	0.89	1.34	0.22	0.00	46
	B35HE007	LS	3.50 CY BUCKET, LIGHT WEIGHT/PERFORATED			$13,960	3.13	0.98	1.48	0.24	0.00	50
	B35HE008	LS	4.00 CY BUCKET, LIGHT WEIGHT/PERFORATED			$17,037	3.82	1.20	1.81	0.29	0.00	65
	B35HE009	LS	4.50 CY BUCKET, LIGHT WEIGHT/PERFORATED			$18,091	4.05	1.27	1.92	0.31	0.00	69
	B35HE010	LS	5.00 CY BUCKET, LIGHT WEIGHT/PERFORATED			$21,846	4.89	1.53	2.32	0.37	0.00	85
	B35HE011	LS	6.00 CY BUCKET, LIGHT WEIGHT/PERFORATED			$23,691	5.31	1.66	2.52	0.40	0.00	92
	B35HE012	LS	7.00 CY BUCKET, LIGHT WEIGHT/PERFORATED			$25,881	5.80	1.81	2.75	0.44	0.00	101
	B35HE013	LS	8.00 CY BUCKET, LIGHT WEIGHT/PERFORATED			$28,699	6.44	2.01	3.05	0.49	0.00	112
	B35HE014	LS	9.00 CY BUCKET, LIGHT WEIGHT/PERFORATED			$33,135	7.43	2.33	3.52	0.57	0.00	128
	B35HE015	LS	10.00 CY BUCKET, LIGHT WEIGHT/PERFORATED			$36,009	8.07	2.52	3.83	0.61	0.00	139
	B35HE016	LS	12.00 CY BUCKET, LIGHT WEIGHT/PERFORATED			$44,241	9.91	3.10	4.70	0.75	0.00	166
	B35HE017	LS	14.00 CY BUCKET, LIGHT WEIGHT/PERFORATED			$50,862	11.40	3.57	5.40	0.87	0.00	191
			SAUERMAN									
	B35SA001	SC-1050-K	1.00 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER			$13,457	3.02	0.94	1.43	0.23	0.00	15
	B35SA002	SC-1060-K	1.50 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER			$16,288	3.65	1.15	1.73	0.28	0.00	20
	B35SA003	SC-1070-K	2.00 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER			$20,652	4.62	1.44	2.19	0.35	0.00	25
	B35SA004	SC-1090-K	3.00 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER			$27,840	6.25	1.96	2.96	0.48	0.00	36
	B35SA005	SC-1100-K	4.00 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER			$33,893	7.60	2.38	3.60	0.58	0.00	49
	B35SA006	SC-1110-K	5.00 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER			$39,879	8.94	2.80	4.24	0.68	0.00	58

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
B35			***SAUERMAN (continued)***									
	B35SA007	SC-1120-K	6.00 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER			$45,883	10.29	3.22	4.88	0.78	0.00	68
	B35SA008	SC-1130-K	8.00 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER			$50,105	11.23	3.52	5.32	0.86	0.00	88
	B35SA009	SC-1140-K	10.00 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER			$68,696	15.40	4.82	7.30	1.17	0.00	106
	B35SA010	SC-1150-K	12.00 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER			$85,181	19.09	5.98	9.05	1.45	0.00	132
	SUBCATEGORY 0.20		**MEDIUM WEIGHT**									
			HENDRIX MANUFACTURING COMPANY, INC.									
	B35HE018	TS	0.75 CY BUCKET, MEDIUM WEIGHT			$5,430	1.09	0.34	0.51	0.09	0.00	17
	B35HE019	TS	1.00 CY BUCKET, MEDIUM WEIGHT			$6,191	1.24	0.39	0.58	0.10	0.00	19
	B35HE020	TS	1.50 CY BUCKET, MEDIUM WEIGHT			$8,428	1.70	0.54	0.80	0.14	0.00	28
	B35HE021	TS	2.00 CY BUCKET, MEDIUM WEIGHT			$10,057	2.02	0.65	0.95	0.17	0.00	36
	B35HE022	TS	2.50 CY BUCKET, MEDIUM WEIGHT			$11,775	2.37	0.76	1.11	0.20	0.00	41
	B35HE023	TS	3.00 CY BUCKET, MEDIUM WEIGHT			$13,858	2.78	0.89	1.31	0.23	0.00	49
	B35HE024	TS	3.50 CY BUCKET, MEDIUM WEIGHT			$15,311	3.08	0.98	1.45	0.26	0.00	54
	B35HE025	TS	4.00 CY BUCKET, MEDIUM WEIGHT			$18,405	3.70	1.18	1.74	0.31	0.00	70
	B35HE026	TS	4.50 CY BUCKET, MEDIUM WEIGHT			$19,666	3.95	1.26	1.86	0.33	0.00	72
	B35HE027	TS	5.00 CY BUCKET, MEDIUM WEIGHT			$25,215	5.06	1.61	2.38	0.42	0.00	93
	B35HE028	TS	6.00 CY BUCKET, MEDIUM WEIGHT			$26,049	5.24	1.67	2.46	0.44	0.00	96
	B35HE029	TS	7.00 CY BUCKET, MEDIUM WEIGHT			$29,745	5.98	1.91	2.81	0.50	0.00	111
	B35HE030	TS	8.00 CY BUCKET, MEDIUM WEIGHT			$32,748	6.58	2.09	3.09	0.55	0.00	122
	B35HE031	TS	9.00 CY BUCKET, MEDIUM WEIGHT			$39,217	7.88	2.51	3.70	0.66	0.00	149
	B35HE032	TS	10.00 CY BUCKET, MEDIUM WEIGHT			$41,764	8.38	2.67	3.94	0.70	0.00	159
	B35HE033	TS	12.00 CY BUCKET, MEDIUM WEIGHT			$53,884	10.83	3.46	5.09	0.91	0.00	202
	B35HE034	TS	14.00 CY BUCKET, MEDIUM WEIGHT			$60,023	12.06	3.84	5.67	1.01	0.00	225
	SUBCATEGORY 0.30		**HEAVY WEIGHT**									
			HENDRIX MANUFACTURING COMPANY, INC.									
	B35HE035	MH-S	2.75 CY BUCKET, HEAVY DUTY, DREDGING			$20,326	3.71	1.21	1.73	0.34	0.00	69

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
B35			*HENDRIX MANUFACTURING COMPANY, INC. (continued)*										
	B35HE036	MH-S	3.00 CY BUCKET, HEAVY DUTY, DREDGING				$21,211	3.86	1.25	1.80	0.35	0.00	72
	B35HE037	MH-S	3.50 CY BUCKET, HEAVY DUTY, DREDGING				$23,859	4.36	1.42	2.03	0.40	0.00	81
	B35HE038	MH-S	4.00 CY BUCKET, HEAVY DUTY, DREDGING				$32,403	5.90	1.92	2.75	0.54	0.00	110
	B35HE039	MH-S	4.50 CY BUCKET, HEAVY DUTY, DREDGING				$36,232	6.60	2.14	3.08	0.60	0.00	123
	B35HE040	MH-S	5.00 CY BUCKET, HEAVY DUTY, DREDGING				$37,409	6.82	2.21	3.18	0.62	0.00	127
	B35HE041	MH-S	6.00 CY BUCKET, HEAVY DUTY, DREDGING				$40,061	7.31	2.38	3.41	0.67	0.00	136
	B35HE042	MH-S	7.00 CY BUCKET, HEAVY DUTY, DREDGING				$50,736	9.24	2.99	4.31	0.84	0.00	175
	B35HE043	MH-S	8.00 CY BUCKET, HEAVY DUTY, DREDGING				$52,184	9.52	3.09	4.44	0.87	0.00	180
	B35HE044	MH-S	9.00 CY BUCKET, HEAVY DUTY, DREDGING				$66,399	12.10	3.92	5.64	1.10	0.00	234
	B35HE045	MH-S	10.00 CY BUCKET, HEAVY DUTY, DREDGING				$68,036	12.40	4.02	5.78	1.13	0.00	243
	B35HE046	MH-S	12.00 CY BUCKET, HEAVY DUTY, DREDGING				$80,581	14.69	4.76	6.85	1.34	0.00	289
	B35HE047	MH-S	14.00 CY BUCKET, HEAVY DUTY, DREDGING				$85,592	15.61	5.06	7.28	1.42	0.00	309
C05	**CHAIN SAWS**												
	SUBCATEGORY 0.00		**CHAIN SAWS**										
			OLYMPYK CHAIN SAWS										
	C05OL001	941	16" - 18" BAR	2 HP	G		$277	0.59	0.04	0.06	0.01	0.23	1
	C05OL002	962	16" - 24" BAR	5 HP	G		$435	1.07	0.06	0.09	0.01	0.47	1
	C05OL003	970	16" - 36" BAR	5 HP	G		$528	1.23	0.07	0.11	0.01	0.52	1
	C05OL004	980	16" - 42" BAR	6 HP	G		$575	1.33	0.07	0.12	0.01	0.57	1
C10	**COMPACTORS & WALK-BEHIND ROLLERS**												
	SUBCATEGORY 0.10		**COMPACTORS, RAMMERS / TAMPERS & VIBRATORY PLATES**										
			BOMAG DIVISION, COMPACTION AMERICA										
	C10BO001	BT 58	VIBRATORY TAMPER, 9" X 13.8" RAMMER	3 HP	G		$2,898	1.71	0.28	0.46	0.05	0.30	1
	C10BO002	BT 68	VIBRATORY TAMPER, 11" X 15" RAMMER	3 HP	G		$3,146	1.83	0.31	0.50	0.06	0.30	2
	C10BO003	BP 10/36	VIBRATORY PLATE, 14.2" X 21.5" PLATE	4 HP	G		$2,009	1.44	0.20	0.32	0.04	0.40	2
	C10BO004	BP 15/45	VIBRATORY PLATE, 17.7" X 21.5" PLATE	4 HP	G		$2,269	1.55	0.22	0.36	0.04	0.40	2
	C10BO005	BP 20/48	VIBRATORY PLATE, 18.9" X 27.4" PLATE	6 HP	G		$3,179	2.24	0.32	0.51	0.06	0.60	4

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
C10			***BOMAG DIVISION, COMPACTION AMERICA (continued)***										
	C10BO007	BPR 35/38D	VIBRATORY REVERSIBLE PLATE, 22.8" X 31.1" PLATE	5 HP	D-off		$7,845	3.89	0.78	1.26	0.15	0.21	4
	C10BO006	BPR 30/38B	VIBRATORY REVERSIBLE PLATE, 22.8" X 31.1" PLATE	6 HP	G		$5,917	3.50	0.58	0.95	0.11	0.60	4
	C10BO008	BPR 55/52D	VIB REVERSIBLE PLATE, 32.3" x 35" PLATE	8 HP	D-off		$11,581	5.77	1.15	1.85	0.22	0.34	9
			SAKAI AMERICA, INC.										
	C10SI001	VT110	VIBRATORY TAMPER, 13" X 8", 1210# IMPACT	3 HP	G		$2,872	1.70	0.28	0.46	0.05	0.30	1
	C10SI002	VT201	VIBRATORY TAMPER, 14" X 8", 1540# IMPACT	3 HP	G		$3,104	1.81	0.31	0.50	0.06	0.30	1
	C10SI003	VT301	VIBRATORY TAMPER, 14" X 11",2150# IMPACT	3 HP	G		$3,124	1.82	0.31	0.50	0.06	0.30	1
	C10SI004	VT401	VIBRATORY TAMPER, 14" X 11",2500# IMPACT	4 HP	G		$3,282	2.02	0.33	0.53	0.06	0.40	2
	C10SI005	VT501	VIBRATORY TAMPER, 14" X12", 3000# IMPACT	4 HP	G		$3,343	2.04	0.33	0.53	0.06	0.40	2
	C10SI010	PC50A	VIBRATORY PLATE, 17" X 11" PLATE	2 HP	G		$2,044	1.21	0.21	0.33	0.04	0.20	1
	C10SI011	PC100A	VIBRATORY PLATE, 18" X 12" PLATE	2 HP	G		$2,095	1.23	0.21	0.34	0.04	0.20	1
	C10SI012	PC200	VIBRATORY PLATE, 19" X 13" PLATE	2 HP	G		$2,135	1.24	0.21	0.34	0.04	0.20	1
	C10SI013	PC300	VIBRATORY PLATE, 20" X 14" PLATE	3 HP	G		$2,266	1.42	0.22	0.36	0.04	0.30	1
	C10SI014	PC400	VIBRATORY PLATE, 22" X 15" PLATE	3 HP	G		$2,677	1.61	0.27	0.43	0.05	0.30	2
	C10SI015	PC500	VIBRATORY PLATE, 23" X 17" PLATE	5 HP	G		$2,899	1.97	0.28	0.46	0.05	0.50	2
			WACKER CORPORATION										
	C10WC001	BS 45Y	RAMMER, VIBRATORY, 10" X 13" SHOE	4 HP	G		$2,715	1.76	0.27	0.43	0.05	0.40	1
	C10WC014	BS 60Y	RAMMER, VIBRATORY, 11" X 13" SHOE	4 HP	G		$3,170	1.97	0.32	0.51	0.06	0.40	2
	C10WC003	BS 65Y	RAMMER, VIBRATORY, 11" X 13" SHOE	4 HP	G		$4,181	2.44	0.42	0.67	0.08	0.40	2
	C10WC008	DPU 4045H	VIBRATORY PLATE, 23.5" X 35.5" PLATE	6 HP	D-off		$12,714	6.17	1.25	2.03	0.24	0.25	7
	C10WC006	BPS 2550 R	VIBRATORY PLATE, 19.5" X 25.5" PLATE	7 HP	G		$2,767	2.17	0.27	0.44	0.05	0.70	3
	C10WC007	BPU 3345A	VIBRATORY PLATE, 23.5" X 35.5" PLATE	7 HP	G		$9,404	5.23	0.93	1.50	0.18	0.70	7
	C10WC015	DPU 7060	VIBRATORY PLATE, 31.5" X 42" SHOE	14 HP	D-off		$21,976	10.88	2.17	3.52	0.41	0.59	3
	C10WC018	VPG165A	VIBRATORY PLATE, 18" X 24.5" PLATE	6 HP	D-off		$1,824	1.12	0.17	0.29	0.03	0.23	2

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.20		**ROLLERS, VIBRATORY**										
			BOMAG DIVISION, COMPACTION AMERICA										
	C10BO009	BW 55E	SINGLE DRUM, 22.0"X15.7", .17 TON, WALK-BEHIND	4 HP	G		$5,262	2.93	0.52	0.84	0.10	0.40	4
	C10BO010	BW 35	DOUBLE DRUM, 15.4"X13.8", .5 TON, WALK-BEHIND, TRENCHER	4 HP	D-off		$12,463	5.95	1.23	1.99	0.23	0.17	11
	C10BO011	BW 60S	DOUBLE DRUM, 23.6"X18.9", .9 TON, WALK-BEHIND	8 HP	D-off		$15,036	7.37	1.49	2.41	0.28	0.34	18
	C10BO013	BW85T	DOUBLE DRUM, 33.5"X19.1", 6.2 TON, WALK-BEHIND, TAMPING FOOT TRENCHER	16 HP	D-off		$32,319	15.76	3.19	5.17	0.61	0.68	29
			SAKAI AMERICA, INC.										
	C10SI006	HV200	DOUBLE DRUM, 22" X16", .6 TON, WALK-BEHIND	5 HP	D-off		$11,682	5.65	1.16	1.87	0.22	0.21	12
	C10SI007	HV300	DOUBLE DRUM, 25"X14", .7 TON, WALK-BEHIND	5 HP	D-off		$13,273	6.38	1.31	2.12	0.25	0.21	13
	C10SI008	HV510	DOUBLE DRUM, 26.5"X16", .8 TON, WALK-BEHIND	6 HP	D-off		$13,904	6.72	1.37	2.22	0.26	0.25	17
	C10SI009	HV700	DOUBLE DRUM, 28.5"X20",1.2 TON, WALK-BEHIND	8 HP	D-off		$17,430	8.47	1.73	2.79	0.33	0.34	24
			WACKER CORPORATION										
	C10WC010	RSS 800A	SINGLE DRUM, 28.3" X 22", 2.3 TON, WALK-BEHIND	11 HP	G		$10,605	6.30	1.05	1.70	0.20	1.10	11
	C10WC012	W 74 A	DOUBLE DRUM,29.5" X 17.3, 2.7 TON, WALK-BEHIND	8 HP	D-off		$17,178	8.35	1.70	2.75	0.32	0.34	19
	C10WC017	RT560	DOUBLE DRUM, 22" X 20", 4.2 TON, WALK-BEHIND, TRENCHER, TAMPING FOOT	20 HP	D-off		$35,628	17.50	3.52	5.70	0.67	0.85	31
	C10WC016	RT820	DOUBLE DRUM, 32" X 20", 4.3 TON, WALK-BEHIND, TRENCHER, TAMPING FOOT	20 HP	D-off		$36,138	17.73	3.57	5.78	0.68	0.85	33

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/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)				$6,652	2.68	0.56	0.89	0.12	0.00	2
	C15BL003	1-10D & 6-54 DC	10" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECT (ADD 30 KVA GEN)				$27,235	10.43	2.31	3.63	0.50	0.00	16
	C15BL004	1-15D & 6-54-DC	15" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECT (ADD 30 KVA GEN)				$33,876	12.86	2.88	4.52	0.62	0.00	17
	C15BL005	1-20D & 8-54-DC	20" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECT (ADD 75 KVA GEN)				$47,340	17.51	4.01	6.31	0.86	0.00	30
C20	**CONCRETE BUGGIES**												
	SUBCATEGORY 0.00		**CONCRETE BUGGIES**										
			AEROIL PRODUCTS										
	C20AE001	BUFFALO 800	WALK-BEHIND W/DUMP HOPPER, 800# CAP	5 HP	G		$3,026	1.58	0.30	0.48	0.06	0.39	3
			AMIDA INDUSTRIES, INC.										
	C20AI006	PB16R RIDE-ON	16 CF BUCKET, WALK & RIDE	13 HP	G		$8,510	4.25	0.80	1.28	0.16	1.01	10
	C20AI008	PB10W	16 CF BUCKET, WALK BEHIND 28" WIDE	8 HP	G		$6,147	2.93	0.59	0.95	0.12	0.62	7
	C20AI009	PB21R	21 CF BUCKET, RIDER 48" WIDE	16 HP	G		$12,262	5.88	1.18	1.90	0.23	1.24	12
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		$7,311	4.81	0.72	1.17	0.14	1.55	7
	C25AJ015	PRO 900	TROWEL, RIDING, 2 - 36" DIA ROTORS	20 HP	G		$9,695	5.68	0.96	1.55	0.18	1.55	7
	C25AJ016	PRO 1050	TROWEL, RIDING, 2 - 42" DIA ROTORS	20 HP	G		$10,195	5.87	1.00	1.63	0.19	1.55	9

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C25			***ALLEN ENGINEERING CORPORATION (continued)***										
	C25AJ017	PRO 1200	TROWEL, RIDING, 2 - 42" DIA ROTORS	25 HP	G		$10,646	6.57	1.05	1.70	0.20	1.94	8
	C25AJ018	PRO 1200	TROWEL, RIDING, 2 - 46" DIA ROTORS	25 HP	G		$11,630	6.94	1.15	1.86	0.22	1.94	11
	C25AJ019	SUPER PRO 500	TROWEL, RIDING, 2 - 46" DIA ROTORS	28 HP	G		$16,319	8.99	1.62	2.61	0.31	2.18	12
	C25AJ020	HP 300	TROWEL, RIDING, 3 - 46" DIA ROTORS	25 HP	G		$22,309	10.85	2.21	3.57	0.42	1.94	21
			STOW MANUFACTURING, INC.										
	C25ST001	36-H-904	ROTO-TROWEL - 36" DIA, 4-BLADED	9 HP	G		$2,027	1.70	0.20	0.32	0.04	0.70	3
	C25ST002	46-H-904	ROTO-TROWEL - 46" DIA, 4-BLADED	9 HP	G		$2,203	1.76	0.22	0.35	0.04	0.70	3
	C25ST003	30H554	ROTO-TROWEL - 30" DIA, 4-BLADED	6 HP	G		$1,978	1.32	0.20	0.32	0.04	0.43	3
			WACKER CORPORATION										
	C25WC001	CT36A	POWER TROWEL, 36" DIA	5 HP	G		$2,245	1.36	0.22	0.36	0.04	0.39	2
	C25WC002	CT48A	POWER TROWEL, 48" DIA	8 HP	G		$2,853	1.90	0.28	0.46	0.05	0.62	3
	SUBCATEGORY 0.20		**VIBRATORY SCREED**										
			ALLEN ENGINEERING CORPORATION										
	C25AJ001	12 HD	VIBRATORY CONCRETE SCREED, 20' WIDE,	8 HP	G		$6,598	3.27	0.65	1.06	0.12	0.62	10
	C25AJ003	12HED	VIBRATORY CONCRETE SCREED, 12.5' WIDE	9 HP	G		$5,644	3.03	0.56	0.90	0.11	0.70	5
	C25AJ004	12HED	VIBRATORY CONCRETE SCREED, 30' WIDE	9 HP	G		$8,261	3.99	0.82	1.32	0.16	0.70	8
	C25AJ005	12HED	VIBRATORY CONCRETE SCREED, 40' WIDE	11 HP	G		$9,763	4.75	0.96	1.56	0.18	0.85	10
	C25AJ006	12HED	VIBRATORY CONCRETE SCREED, 50' WIDE	11 HP	G		$11,695	5.46	1.16	1.87	0.22	0.85	12
	C25AJ007	12HED	VIBRATORY CONCRETE SCREED, 55' WIDE	11 HP	G		$12,446	5.73	1.23	1.99	0.23	0.85	13
	SUBCATEGORY 0.25		**VIBRATORY LASER SCREED**										
			ALLEN ENGINEERING CORPORATION										
	C25AJ002	ACG	VIBRATORY LASER SCREED, 65' WIDE	22 HP	G		$69,543	15.90	4.34	6.09	1.30	1.59	18
			SOMERO INDUSTRIES										
	C25SV003	S-100	8' WIDE X 12' BOOM, W/LASER RECEIVERS	27 HP	D-off		$114,613	23.44	7.10	9.95	2.13	0.80	72

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C25			***SOMERO INDUSTRIES (continued)***										
	C25SV002	S-160	8' WIDE X 20' BOOM, W/LASER RECEIVERS	57 HP	D-off		$172,644	36.06	10.73	15.01	3.22	1.73	123
	C25SV001	S-240	12' WIDE X 20' BOOM, W/LASER RECEIVERS	57 HP	D-off		$211,579	43.62	13.14	18.39	3.94	1.73	172
	SUBCATEGORY 0.30		**MATERIAL/TOPPING SPREADERS**										
			ALLEN ENGINEERING CORPORATION										
	C25AJ008	SP23H	MATERIAL SPREADER, 12.5' WIDE	6 HP	G		$9,744	2.49	0.60	0.85	0.18	0.40	11
	C25AJ009	SP23H	MATERIAL SPREADER, 20' WIDE	6 HP	G		$10,425	2.62	0.65	0.91	0.19	0.40	12
	C25AJ010	SP23H	MATERIAL SPREADER, 30' WIDE	6 HP	G		$11,378	2.81	0.71	1.00	0.21	0.40	13
	C25AJ011	SP23H	MATERIAL SPREADER, 40' WIDE	6 HP	G		$12,332	3.00	0.77	1.08	0.23	0.40	14
	C25AJ012	SP23H	MATERIAL SPREADER, 50' WIDE	6 HP	G		$13,234	3.18	0.83	1.16	0.25	0.40	15
	C25AJ013	SP23H	MATERIAL SPREADER, 60' WIDE	6 HP	G		$14,153	3.35	0.88	1.24	0.26	0.40	17
			SOMERO INDUSTRIES										
	C25SV004	STS-130	TOPPING SPREADER 6' WIDE X 22' BOOM	26 HP	D-off		$94,811	19.58	5.86	8.18	1.77	0.79	85
C35	**CONCRETE GUNITERS / SHOTCRETERS**												
	SUBCATEGORY 0.00		**CONCRETE GUNITERS / SHOTCRETERS**										
			ALLENTOWN PUMP & GUN										
	C35AL002	R-900	BATCH MIXER FOR PNEUMATIC GUN N-2 OR GRH-600; 8-10 TON/HR INCLUDES TRAILER, HOPPER, & FEEDER (ADD 600 CFM COMPRESSOR)	26 HP	D-off		$26,762	8.92	2.02	3.13	0.46	0.93	47
	C35AL003	GRH-600	ROTARY GUN 1-6 CY/HR INCL. 1.5" HOSE, (ADD COMPRESSOR)	600 CFM	A		$16,217	4.85	1.23	1.91	0.28	0.00	11
	C35AL012	GM-060	ROTARY GUN 4-12 CY/HR INCL. 2" HOSE, (ADD COMPRESSOR)	10 HP	E		$20,783	6.86	1.61	2.49	0.36	0.35	20
	C35AL005	HPR-12-10	CONTINUOUS MIX GUNNING RIG 12 CY/HR USE W/GRH-600 GUN, INCLUDES HOPPER & FEEDER, INCLUDES TRAILER	18 HP	D-off		$28,936	9.23	2.25	3.49	0.50	0.65	86
	C35AL007	N-1	PNEUMATIC GUN, 0-4 CY/HR INCL 1.25" HOSE, (ADD COMPRESSOR)	450 CFM	A		$16,424	5.00	1.27	1.99	0.28	0.00	12

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
C35			***ALLENTOWN PUMP & GUN (continued)***										
	C35AL008	N-2	PNEUMATIC GUN, 2-8 CY/HR INCL 1.5" HOSE, (ADD COMPRESSOR)	600 CFM	A		$19,365	5.91	1.52	2.35	0.34	0.00	13
	C35AL009	N-3	PNEUMATIC GUN, 4-10 CY/HR INCL 2" HOSE, (ADD COMPRESSOR)	900 CFM	A		$20,584	6.37	1.61	2.50	0.36	0.00	13
	C35AL013	AG-15	AUTOMATIC GUN, 3-15 CY/HR INCL. 1.5" HOSE, (ADD COMPRESSOR)	950 CFM	A		$9,901	3.22	0.74	1.14	0.17	0.00	15
	C35AL014	POWER CRETER	POWERCRETE - SHOTCRETE & CONCRETE PUMP 0-10 CY/HR, 1750 PSI	26 HP	D-off		$33,064	10.80	2.56	3.99	0.57	0.93	30
			ALIVA										
	C35AV001	AL 305-1	HYDRAULIC SPRAYING ARM, SMALL UNIT (ADD TRUCK CHASIS)	10 HP	E		$66,326	21.76	5.18	8.05	1.15	0.35	33
	C35AV002	AL 305-5	HYDRAULIC SPRAYING ARM, LARGE UNIT (ADD TRUCK CHASIS)	10 HP	E		$77,859	25.60	6.07	9.45	1.35	0.35	44
	C35AV006	AL 285	WET/DRY MIX SPRAYING MACHINE	20 HP	E		$61,751	20.96	4.79	7.45	1.07	0.70	33
	C35AV007	AL 240.5	DRY MIX SPRAYING MACHINE, 2.2 KW	3 HP	E		$11,587	5.53	0.91	1.41	0.20	0.11	7
	C35AV008	AL 246	DRY MIX SPRAYING MACHINE, 2.2 KW	3 HP	E		$17,256	7.18	1.35	2.10	0.30	0.11	9
	C35AV009	AL 252	DRY MIX SPRAYING MACHINE, 4.4 KW	6 HP	E		$21,019	8.40	1.63	2.55	0.36	0.21	18
C40	**CONCRETE MIXING UNITS**												
	SUBCATEGORY 0.00		**CONCRETE MIXING UNITS**										
			CEMEN TECH										
	C40CC001	SCD2-50H	2-4.5 CY CONCRETE DISPENSER, 15 CY/HR, STATIONARY	10 HP	E		$21,158	8.29	2.10	3.39	0.40	0.33	23
			MULTIQUIP, INC.										
	C40MU001	WM 700S-B8	6 CF PLASTER/MORTAR MIXER, STEEL DRUM	8 HP	G		$2,435	1.75	0.25	0.39	0.05	0.62	9
	C40MU002	WM 120S-H	12 CF PLASTER/MORTAR MIXER, STEEL DRUM	13 HP	G		$5,197	3.30	0.52	0.83	0.10	1.01	11
	C40MU003	WC 625-R8	6 CF CONCRETE MIXER, STEEL DRUM	8 HP	G		$2,513	1.77	0.25	0.40	0.05	0.62	7
	C40MU004	WC 925-B8	9 CF CONCRETE MIXER, STEEL DRUM	8 HP	G		$2,921	1.92	0.28	0.47	0.05	0.62	8

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			MAXON INDUSTRIES										
	C40MX001	36703	2 CY WASTE MIXER, TRAILER MOUNTED (W/ HIGH PRESSURED WATER SYSTEM)	18 HP	D-off		$23,398	9.23	2.23	3.58	0.44	0.60	43
	C40MX003	MCII	4.5 CY WASTE MIXER, TRAILER MOUNTED	52 HP	D-off		$41,585	17.39	4.03	6.49	0.78	1.72	114
	C40MX002	36704	BARREL LOADER - 1000 LB LIFT CAPACITY (ATTACHMENT FOR 36703 WASTE MIXER)				$4,202	2.54	0.42	0.67	0.08	0.00	3
	C40MX007		9 CY AGITATOR (ADD 50,000 GVW TRUCK)				$33,209	13.82	3.27	5.31	0.62	0.00	79
	C40MX006		12 CY AGITATOR (ADD 64,000 GVW TRUCK)				$36,836	15.26	3.63	5.89	0.69	0.00	84
			ROSS COMPANY										
	C40RC001		4.5 CY CONCRETE MIXER, TILT DRUM TYPE	40 HP	E		$121,028	48.48	11.95	19.36	2.27	1.32	34
	C40RC002		6 CY CONCRETE MIXER, TILT DRUM TYPE	60 HP	E		$135,975	55.25	13.43	21.76	2.55	1.97	45
	C40RC003		8 CY CONCRETE MIXER, TILT DRUM TYPE	80 HP	E		$153,710	63.06	15.19	24.59	2.89	2.63	60
	C40RC004		10 CY CONCRETE MIXER, TILT DRUM TYPE	100 HP	E		$167,507	70.42	16.55	26.80	3.15	3.29	75
	C40RC005		12 CY CONCRETE MIXER, TILT DRUM TYPE	120 HP	E		$176,884	75.14	17.47	28.30	3.32	3.95	90
			STOW MANUFACTURING, INC.										
	C40ST001	CM4EB	4 CF CONCRETE MIXER, PORTABLE	1 HP	E		$1,841	0.92	0.17	0.29	0.03	0.03	5
	C40ST002	CM4H	4 CF CONCRETE MIXER, PORTABLE	6 HP	G		$2,060	1.35	0.21	0.33	0.04	0.43	5
	C40ST003	CM6EB	6 CF CONCRETE MIXER, PORTABLE	1 HP	E		$2,736	1.30	0.27	0.44	0.05	0.03	7
	C40ST004	CM6H8	6 CF CONCRETE MIXER, PORTABLE	8 HP	G		$3,000	1.95	0.30	0.48	0.06	0.62	8
	C40ST005	CM9EB	9 CF CONCRETE MIXER, PORTABLE	2 HP	E		$3,544	1.69	0.35	0.57	0.07	0.05	8
	C40ST006	CM9H	9 CF CONCRETE MIXER, PORTABLE	8 HP	G		$3,649	2.19	0.36	0.58	0.07	0.62	8
C45	**CONCRETE PAVING MACHINES**												
	SUBCATEGORY 0.00		**CONCRETE PAVING MACHINES**										
			BID-WELL DIVISION, CMI CORPORATION										
	C45CW001	PST-500	20'-28' WIDE, PLACER-SPREADER-TRIMMER, CRAWLER	250 HP	D-off		$465,715	113.18	26.64	37.26	8.01	8.97	824
			GOMACO CORPORATION										

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C45			*GOMACO CORPORATION (continued)*										
	C45GO010	COMMANDER II	CURB/GUTTER SLIPFORM PAVER, 2-TRACK	92 HP	D-off		$110,073	28.32	6.29	8.81	1.89	3.30	200
	C45GO011	COMMANDER III	CURB/GUTTER SLIPFORM PAVER, 3-TRACK	169 HP	D-off		$137,216	37.89	7.85	10.98	2.36	6.06	300
	C45GO012	COMMANDER III	CURB/GUTTER SLIPFORM PAVER, 4-TRACK	169 HP	D-off		$245,242	61.38	14.03	19.62	4.22	6.06	369
	C45GO013	GT-3200	CURB/GUTTER SLIPFORM PAVER, 36" WIDE	70 HP	D-off		$97,802	24.60	5.59	7.82	1.68	2.51	120
	C45GO004	GP-2000	PAVER, TWO TRACK, @ 16' WIDE 0-38 FT/MIN, CRAWLER MTD	185 HP	D-off		$225,789	57.91	12.91	18.06	3.88	6.64	340
	C45GO014	GT-3600	CURB/GUTTER SLIPFORM PAVER, 3-TRACK	92 HP	D-off		$131,228	32.92	7.51	10.50	2.26	3.30	210
	C45GO015	GP-2600	PAVER, 2-TRACK, 28' WIDE	230 HP	D-off		$231,331	61.27	13.24	18.51	3.98	8.25	650
	C45GO016	GP-2600	PAVER, 4-TRACK, 28' WIDE	230 HP	D-off		$304,828	77.24	17.44	24.39	5.24	8.25	750
	C45GO017	GPH-2800	PAVER, 2-TRACK, 28' WIDE	250 HP	D-off		$368,467	92.04	21.08	29.48	6.34	8.97	700
	C45GO018	GPH-2800	PAVER, 4-TRACK, 28' WIDE	250 HP	D-off		$437,401	107.02	25.02	34.99	7.52	8.97	800
	C45GO019	GP-4000	PAVER, 2-TRACK, 28' WIDE	325 HP	D-off		$401,235	102.73	22.95	32.10	6.90	11.66	880
	C45GO020	G-4000	PAVER, 4-TRACK, 28' WIDE	325 HP	D-off		$475,548	118.88	27.20	38.04	8.18	11.66	1,150
	C45GO024	C450-X	CYLINDER FINISHER, DOUBLE DRUM, 60' WIDE	32 HP	G		$46,455	13.76	2.66	3.72	0.80	2.66	50
	C45GO025	C-700	CYLINDER FINISHER, DOUBLE DRUM, 60' WIDE	48 HP	G		$60,226	18.61	3.45	4.82	1.04	4.00	55
	C45GO030	9000	TRIMMER/PLACER W/12' TRIMMER HEAD	325 HP	D-off		$240,655	67.82	13.77	19.25	4.14	11.66	462
	C45GO031	9500	TRIMMER/PLACER W/16' TRIMMER HEAD	325 HP	D-off		$304,432	81.67	17.41	24.35	5.23	11.66	669
			MILLER SPREADER COMPANY										
	C45MJ001	MC 650	CURB BUILDER, 3.7 CF HOPPER, 6" AUGER	14 HP	G		$6,879	3.11	0.40	0.55	0.12	1.17	8
C55	**CONCRETE PUMPS**												
	SUBCATEGORY 0.00		**CONCRETE PUMPS**										
			MORGEN MANUFACTURING COMPANY										
	C55MO001	210-295	25 CY/HOUR, TRAILER MOUNTED	30 HP	G		$24,992	9.96	1.75	2.64	0.43	2.33	29
	C55MO002	213-184	40 CY/HOUR, TRAILER MOUNTED	73 HP	D-off		$47,795	16.12	3.35	5.06	0.82	2.42	43
	C55MO003	213-185	50 CY/HOUR, TRAILER MOUNTED	110 HP	D-off		$53,466	19.26	3.74	5.66	0.91	3.64	66
	C55MO004	213-658	65 CY/HOUR, TRAILER MOUNTED	110 HP	D-off		$64,615	22.28	4.53	6.85	1.10	3.64	68
	C55MO007	212-841	65 CY/HR, 72' VERTICAL BOOM (ADD 23,100 GVW TRUCK)	210 HP	D-off	270 HP D-on	$181,953	60.92	12.71	19.20	3.11	8.86	300

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER		VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
C55			***MORGEN MANUFACTURING COMPANY (continued)***											
	C55MO014	217-755	115 CY/HR, 100' VERTICAL BOOM (ADD 41,300 GVW TRUCK)	270 HP	D-off	270 HP	D-on	$254,276	83.11	17.74	26.80	4.34	10.84	360
	C55MO011	212-837	115 CY/HR, 105' VERTICAL BOOM (ADD 41,300 GVW TRUCK)	270 HP	D-off	270 HP	D-on	$295,975	94.37	20.66	31.23	5.05	10.84	350
	C55MO013	217-760	140 CY/HR, 100' VERTICAL BOOM (ADD 41,300 GVW TRUCK)	270 HP	D-off	270 HP	D-on	$260,246	84.71	18.16	27.43	4.44	10.84	360
	C55MO012	212-835	140 CY/HR, 105' VERTICAL BOOM (ADD 41,300 GVW TRUCK)	270 HP	D-off	270 HP	D-on	$302,043	96.00	21.09	31.87	5.15	10.84	360
	C55MO015	216-420	140 CY/HR, 120' VERTICAL BOOM (ADD 41,300 GVW TRUCK)	270 HP	D-off	270 HP	D-on	$381,378	117.43	26.66	40.30	6.51	10.84	360
	C55MO016	214-380	93 CY/HR, TRAILER MOUNTED	177 HP	D-off			$91,248	32.38	6.36	9.59	1.56	5.86	117
	C55MO017	214-570	122 CY/HR, TRAILER MOUNTED	177 HP	D-off			$97,106	33.96	6.77	10.21	1.66	5.86	119
			SCHWING AMERICA, INC.											
	C55SC001	WP750 D-18X	69 CY/HR, 859 PSI, TRAILER MTD,	68 HP	D-off			$59,191	18.96	4.14	6.27	1.01	2.25	57
	C55SC002	BPA 2000HDD-20	117 CY/HR, 1,565 PSI, TRAILER MTD,	177 HP	D-off			$135,583	44.35	9.46	14.30	2.31	5.86	115
	C55SC005	BPL 900/KVM 23	75' BOOM, 117 CY/HR, 1,565 PSI, TRUCK MTD, ADD TRUCK	210 HP	D-on			$200,693	65.98	13.96	21.07	3.42	8.85	359
	C55SC006	BPL 900/KVM 28	92' BOOM, 117 CY/HR, 1,565 PSI, TRUCK MTD, ADD TRUCK	210 HP	D-on			$254,003	80.36	17.69	26.72	4.33	8.85	470
	C55SC007	BPL 1200/KVM 32	105' BOOM, 171 CY/HR, 1,285 PSI, TRUCK MTD, ADD TRUCK	230 HP	D-on			$341,399	105.10	23.74	35.83	5.83	9.69	480
	C55SC008	BPL 1200/KVM 36	118' BOOM, 171 CY/HR, 1,285 PSI, TRUCK MTD, ADD TRUCK	230 HP	D-on			$414,661	124.89	28.84	43.52	7.08	9.69	620
	C55SC009	BPL 1200/KVM 42	138' BOOM, 196 CY/HR, 1,184 PSI, TRUCK MTD, ADD TRUCK	350 HP	D-on			$530,416	162.87	36.96	55.82	9.05	14.74	730
C60	**CONCRETE SAWS (sawblade wear not included)**													
	SUBCATEGORY 0.00		**CONCRETE SAWS (sawblade wear not included)**											
			CUSHION CUT											
	C60CQ006	1613 SP	4.875" DEPTH/CUT, 14" BLADE WIDTH, S/P, W/RECOIL	13 HP	G			$3,051	2.86	0.27	0.41	0.06	1.30	3
	C60CQ008	RS16	1" DEPTH/CUT, 8" BLADE WIDTH, MANUAL	16 HP	G			$3,678	3.48	0.32	0.49	0.07	1.60	2

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C60			*CUSHION CUT (continued)*										
	C60CQ005	815WR	4.875" DEPTH/CUT, 14" BLADE GRD, WALK BEHIND	11 HP	G		$1,905	2.16	0.16	0.25	0.03	1.10	2
	C60CQ004	9516E3	5.625" DEPTH/CUT, 16" BLADE GRD	5 HP	E		$2,653	1.24	0.22	0.35	0.05	0.21	2
	C60CQ002	9816H	5.625" DEPTH/CUT, 16" BLADE GRD	8 HP	G		$2,107	1.83	0.18	0.28	0.04	0.80	2
	C60CQ003	9136H	5.625" DEPTH/CUT, 16" BLADE GRD	13 HP	G		$2,434	2.63	0.20	0.32	0.04	1.30	2
	C60CQ001	3535WC	7.75" DEPTH/CUT, 20" BLADE GRD, S/P (ADD BLADE)	35 HP	G		$9,255	8.03	0.79	1.23	0.17	3.50	10
	C60CQ009	3520EC	7.75" DEPTH/CUT, 20" BLADE WIDTH, S/P	20 HP	E		$9,439	4.58	0.80	1.26	0.17	0.85	10
	C60CQ007	1675 SP	7.875" DEPTH/CUT, 20" BLADE WIDTH, S/P	8 HP	E		$4,495	2.08	0.38	0.60	0.08	0.34	3
	C60CQ010	3528DT	12.125" DEPTH/CUT, 30" BLADE WIDTH, S/P, W/TRANSAXLE	28 HP	D-off		$14,200	22.08	1.21	1.89	0.26	11.85	10
	C60CQ011	6500RW14A1	4.625" DEPTH/CUT, 14" BLADE GRD, 8 BELT	65 HP	G		$12,052	13.12	1.03	1.61	0.22	6.49	13
	C60CQ012	6500RW26V1	10.625" DEPTH/CUT, 26" BLADE GRD,10 BELT	65 HP	G		$12,167	13.15	1.03	1.62	0.22	6.49	13
	C60CQ013	6500RW36L1	14.825" DEPTH/CUT, 36" BLADE GRD,10 BELT	65 HP	G		$12,810	13.38	1.09	1.71	0.23	6.49	13
	C60CQ014	6530RWE	10.625" DEPTH/CUT, 26" BLADE GRD	30 HP	E		$11,995	6.11	1.02	1.60	0.22	1.27	13
	C60CQ015	6572RWTD26	10.625" DEPTH/CUT, 26" BLADE GRD	72 HP	D-off		$20,703	51.28	1.76	2.76	0.38	30.47	20
	C60CQ016	6572RWTD36	14.875" DEPTH/CUT, 36" BLADE GRD	72 HP	D-off		$20,832	51.33	1.77	2.78	0.38	30.47	20
	C60CQ017	6572RWTD54	22.875" DEPTH/CUT, 54" BLADE GRD	72 HP	D-off		$24,897	52.73	2.11	3.32	0.45	30.47	20
			FELKER										
	C60FE001	S80/12Z	4" DEPTH OF CUT, 12" BLADE, HANDHELD	1 HP	G		$987	0.48	0.09	0.13	0.02	0.10	1
	C60FE002	S80/14Z	5" DEPTH OF CUT, 14" BLADE, HANDHELD	2 HP	G		$1,042	0.64	0.09	0.14	0.02	0.20	1
	C60FE006	CCS 8KM	4.625" DEPTH/CUT, 14" BLADE, WALK-BEHIND	8 HP	G		$2,017	1.80	0.18	0.27	0.04	0.80	3
	C60FE007	CCS 13H	4.625" DEPTH/CUT, 14" BLADE, WALK-BEHIND	13 HP	G		$2,479	2.66	0.22	0.33	0.05	1.30	2
	C60FE009	MRCII20H	7.5" DEPTH/CUT, 20" BLADE	20 HP	G		$7,537	5.36	0.64	1.00	0.14	2.00	6
			CUSHION CUT DIVISION, BOART LONGYEAR										
	C60LY001	360-10HM	WALL SAW SYSTEM, 1700 PSI (INCLUDES POWER PACK & BLADE)	10 HP	G		$19,540	8.17	1.67	2.61	0.36	1.00	2
	C60LY002	360-35HM	WALL SAW SYSTEM, 2500 PSI (INCLUDES POWER PACK & BLADE)	35 HP	G		$28,595	14.75	2.42	3.81	0.52	3.50	2

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C60			***CUSHION CUT DIVISION, BOART LONGYEAR (continued)***										
	C60LY003	800WR	5" DEPTH OF CUT, WALK-BEHIND	8 HP	G		$1,386	1.58	0.12	0.18	0.03	0.80	2
	C60LY004	815WR	5" DEPTH OF CUT, WALK-BEHIND	11 HP	G		$1,905	2.16	0.16	0.25	0.03	1.10	2
	C60LY005	815WR	7" DEPTH OF CUT, WALK-BEHIND	11 HP	G		$1,905	2.16	0.16	0.25	0.03	1.10	2
	C60LY008	3535W	4.875" DEPTH OF CUT, WALK-BEHIND	35 HP	G		$8,945	7.92	0.76	1.19	0.16	3.50	9
	C60LY009	6530-48	21" DEPTH OF CUT, WALK-BEHIND	65 HP	G		$18,096	15.21	1.54	2.41	0.33	6.49	13
	C60LY010	6500RW-26B	10.625" DEPTH OF CUT, WALK-BEHIND	65 HP	G		$12,665	13.33	1.08	1.69	0.23	6.49	9
	C60LY011	WSF-36	HEAVY DUTY WIRE SAW SYSTEM	52 HP	D-off		$48,989	48.86	4.16	6.53	0.89	22.01	15
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		$876	0.86	0.11	0.18	0.02	0.03	1
	C65ST010	75ER 115V	1.375" HEAD, 21' SHFT (ADD GENERATOR)	1 HP	E		$881	0.87	0.11	0.18	0.02	0.03	1
	C65ST008	DI-2 115V	2.375" HEAD, 21' SHFT (ADD GENERATOR)	2 HP	E		$989	1.00	0.12	0.20	0.02	0.06	1
	C65ST011	130ER 115V	2.125" HEAD, 21' SHFT (ADD GENERATOR)	2 HP	E		$1,105	1.10	0.13	0.22	0.02	0.06	1
	C65ST009	DI-3 115V	2.625" HEAD, 21' SHFT (ADD GENERATOR)	3 HP	E		$1,209	1.25	0.14	0.24	0.02	0.09	1
	C65ST012	200ER 115V	2.625" HEAD, 21' SHFT (ADD GENERATOR)	3 HP	E		$1,249	1.29	0.14	0.25	0.02	0.09	1
	C65ST013	G550HC	2.625" HEAD, 21' SHFT (ADD GENERATOR)	6 HP	G		$1,653	2.07	0.20	0.33	0.03	0.40	2
			WACKER CORPORATION										
	C65WC001	IRE 57/240/180	HI-FREQ INTERNAL, 2.25"HD (ADD GEN)	1 HP	E		$1,617	1.66	0.19	0.32	0.03	0.03	1
	C65WC002	IRE 1.3Y/240/180	HI-FREQ INTERNAL, 2.5"HD (ADD GEN)	2 HP	E		$1,713	1.80	0.20	0.34	0.03	0.06	1
			NO SPECIFIC MANUFACTURER										
	C65XX001	A-25010	2.5" DIA HEAD (ADD COMPRESSOR)	40 CFM	A		$838	0.84	0.11	0.17	0.02	0.00	1
	C65XX002	A-30010	3" DIA HEAD (ADD COMPRESSOR)	64 CFM	A		$1,014	1.01	0.12	0.20	0.02	0.00	1
	C65XX003	A-35010	3.5" DIA HEAD (ADD COMPRESSOR)	82 CFM	A		$1,124	1.13	0.13	0.22	0.02	0.00	1
	C65XX004	A-450SH	4.5" DIA HEAD (ADD COMPRESSOR)	110 CFM	A		$1,354	1.38	0.17	0.27	0.03	0.00	1
	C65XX005	A-600SH	6" DIA HEAD (ADD COMPRESSOR)	125 CFM	A		$2,476	2.44	0.30	0.50	0.05	0.00	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C75	**CRANES, HYDRAULIC, SELF-PROPELLED**												
	SUBCATEGORY 0.00		**CRANES, HYDRAULIC, SELF-PROPELLED**										
			BRODERSON MANUFACTURING COMPANY										
	C75BD001	IC-80-1D	8.5 TON, 20' BOOM, YARD CRANE	64 HP	G		$74,976	18.23	3.46	4.50	1.21	5.33	144
	C75BD002	RT-80-3C	9 TON, 44' BOOM, ROUGH TERRAIN, 4WD	97 HP	G		$94,662	24.91	4.37	5.68	1.53	8.08	160
	C75BD003	RT-200-3A	15 TON, 49' BOOM, ROUGH TERRAIN, 4WD	97 HP	G		$114,921	28.00	5.28	6.83	1.86	8.08	289
			GROVE WORLDWIDE (Includes GROVE & MANLIFT)										
	C75GV001	RT418	18 TON, 70' BOOM, ROUGH TERRAIN, 4WD	105 HP	D-off		$224,343	38.16	10.25	13.25	3.62	3.77	383
	C75GV002	RT420	20 TON, 70' BOOM, ROUGH TERRAIN, 4WD	105 HP	D-off		$224,343	38.16	10.25	13.25	3.62	3.77	383
	C75GV003	RT422	22 TON, 70' BOOM, ROUGH TERRAIN, 4WD	105 HP	D-off		$224,343	38.16	10.25	13.25	3.62	3.77	383
	C75GV004	RT58B	15 TON, 42' BOOM, ROUGH TERRAIN, 4WD	125 HP	D-off		$220,399	38.34	10.14	13.15	3.56	4.49	441
	C75GV005	RT58C	18 TON, 42' BOOM, ROUGH TERRAIN, 4WD	125 HP	D-off		$220,399	38.34	10.14	13.15	3.56	4.49	441
	C75GV006	RT58D	20 TON, 60' BOOM, ROUGH TERRAIN, 4WD	125 HP	D-off		$220,399	38.34	10.14	13.15	3.56	4.49	441
	C75GV007	RT58E	22 TON, 70' BOOM, ROUGH TERRAIN, 4WD	125 HP	D-off		$232,088	40.03	10.68	13.86	3.75	4.49	441
	C75GV008	RT522C	22 TON, 70' BOOM, ROUGH TERRAIN, 4WD	125 HP	D-off		$269,325	46.59	12.07	15.45	4.35	4.49	513
	C75GV009	RT525C	25 TON, 70' BOOM, ROUGH TERRAIN, 4WD	125 HP	D-off		$269,325	46.59	12.07	15.45	4.35	4.49	513
	C75GV010	RT528C	28 TON, 70' BOOM, ROUGH TERRAIN, 4WD	125 HP	D-off		$269,325	46.59	12.07	15.45	4.35	4.49	513
	C75GV018	RT635C	30 TON, 105' BOOM, ROUGH TERRAIN, 4WD	152 HP	D-off		$376,081	62.85	17.18	22.20	6.08	5.45	632
	C75GV019	RT750	40 TON, 110' BOOM, ROUGH TERRAIN, 4WD	177 HP	D-off		$520,665	85.50	23.75	30.68	8.41	6.35	825
	C75GV014	RT760	60 TON, 110' BOOM, ROUGH TERRAIN, 4WD, W/HOOK BLOCK & BALL	198 HP	D-off		$572,729	93.95	26.19	33.88	9.25	7.10	858
	C75GV015	RT880	80 TON, 114' BOOM, ROUGH TERRAIN, 4WD W/HOOK BLOCK & BALL	250 HP	D-off		$675,072	111.36	30.93	40.05	10.91	8.97	112
	C75GV016	RT9100	100 TON, 114' BOOM, ROUGH TERRAIN, 4WD W/HOOK BLOCK & BALL	250 HP	D-off		$855,339	138.21	39.09	50.53	13.82	8.97	1,364
			LINK BELT CONSTRUCTION COMPANY										
	C75LB001	RTC 8020	20 TON, 70' BOOM, ROUGH TERRAIN, 4X4X4	105 HP	D-off		$208,961	35.81	9.54	12.32	3.38	3.77	373
	C75LB002	RTC 8028	28 TON, 70' BOOM, ROUGH TERRAIN, 4X4X4	130 HP	D-off		$257,878	44.24	11.75	15.17	4.17	4.66	521

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			LORAIN CRANES DIVISION, NORTHWEST ENGINEERING COMPANY										
	C75LO009	LCD SERIES	15 TON, 36' BOOM, ROUGH TERRAIN, 4X4	80 HP	D-off		$136,310	24.34	6.13	7.85	2.20	2.87	477
	C75LO010	LCD SERIES	18 TON, 42' BOOM, ROUGH TERRAIN, 4X4	80 HP	D-off		$136,317	24.34	6.13	7.85	2.20	2.87	478
	C75LO003	LRT-200E	20 TON, 72' BOOM, ROUGH TERRAIN, 4X4	130 HP	D-off		$236,111	41.17	10.76	13.90	3.81	4.66	478
	C75LO004	LRT-230E	30 TON, 72' BOOM, ROUGH TERRAIN, 4X4	130 HP	D-off		$236,199	41.20	10.78	13.91	3.82	4.66	490
	C75LO013	LRT 300D	33 TON, 81' BOOM, ROUGH TERRAIN, 4X4	152 HP	D-off		$300,302	51.93	13.64	17.58	4.85	5.45	550
	C75LO012	MCH 350D	27.5 TON, 81' BOOM, ROUGH TERRAIN, 6X4	250 HP	D-off		$338,227	62.00	15.41	19.89	5.46	8.97	520
	C75LO011	MCH 300D	33 TON, 81' BOOM, ROUGH TERRAIN, 6X4	230 HP	D-off		$338,178	61.01	15.41	19.89	5.46	8.25	510
			P & H										
	C75PH001	CN 115	15 TON, 72' BOOM, ROUGH TERRAIN, 4X4X4	130 HP	D-off		$242,713	42.02	11.11	14.37	3.92	4.66	455
	C75PH002	CN 118	18 TON, 72' BOOM, ROUGH TERRAIN, 4X4X4	130 HP	D-off		$242,589	42.00	11.10	14.36	3.92	4.66	438
	C75PH003	CN 120	20 TON, 72' BOOM, ROUGH TERRAIN, 4X4X4	130 HP	D-off		$242,596	42.00	11.10	14.36	3.92	4.66	439
	C75PH004	CN 122	22 TON, 72' BOOM, ROUGH TERRAIN, 4X4X4	130 HP	D-off		$242,603	42.00	11.10	14.36	3.92	4.66	440
	C75PH014	OMEGA 25	25 TON, 134' BOOM, ROUGH TERRAIN, 4X4	155 HP	D-off		$292,581	50.56	13.40	17.33	4.73	5.56	533
	C75PH018	CN128	28 TON, 72' BOOM, ROUGH TERRAIN, 4X4X4	130 HP	D-off		$256,888	45.00	11.50	14.70	4.15	4.66	500
	C75PH006	OMEGA 30	30 TON, 80' BOOM, ROUGH TERRAIN, 4X4X4	155 HP	D-off		$292,664	50.58	13.40	17.34	4.73	5.56	550
	C75PH007	OMEGA 35	35 TON, 80' BOOM, ROUGH TERRAIN, 4X4X4	155 HP	D-off		$293,771	50.74	13.46	17.41	4.75	5.56	560
	C75PH015	CN 140	40 TON, 171' BOOM, ROUGH TERRAIN, 4X4	177 HP	D-off		$368,531	63.11	16.79	21.67	5.95	6.35	720
	C75PH016	CN145	45 TON, 110' BOOM, ROUGH TERRAIN, 4X4X4	177 HP	D-off		$386,033	65.50	17.64	22.80	6.24	6.35	784
	C75PH012	CN 150	50 TON, 110' BOOM, ROUGH TERRAIN, 4X4X4	200 HP	D-off		$432,576	73.49	19.77	25.56	6.99	7.18	788
	C75PH013	CN 165	65 TON, 126' BOOM, ROUGH TERRAIN, 4X4X4	228 HP	D-off		$552,306	92.55	25.22	32.60	8.92	8.18	955
	C75PH017	CN180	80 TON, 125' BOOM, ROUGH TERRAIN, 4X4X4	250 HP	D-off		$649,462	107.66	29.74	38.50	10.49	8.97	650
	C75PH019	CN190	90 TON, 125' BOOM, ROUGH TERRAIN, 4X4X4	250 HP	D-off		$664,931	109.89	30.46	39.44	10.74	8.97	1,119
			TADANO AMERICA CORPORATION										
	C75TD002	TR-250XL	25 TON, 96' BOOM, ROUGH TERRAIN, 4WD	180 HP	D-off		$249,991	45.75	11.38	14.68	4.04	6.46	518
	C75TD003	TR-300XL	30 TON, 112' BOOM, ROUGH TERRAIN, 4WD	180 HP	D-off		$293,096	51.86	13.42	17.36	4.74	6.46	537
	C75TD006	TR-350XL-3	35 TON, 155' BOOM, ROUGH TERRAIN, 4WD	247 HP	D-off		$343,974	62.59	15.75	20.39	5.56	8.86	621

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CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C75			***TADANO AMERICA CORPORATION (continued)***									
	C75TD007	TR-500XL-3	50 TON, 175' BOOM, ROUGH TERRAIN, 4WD	247 HP D-off		$460,996	80.76	20.84	26.78	7.45	8.86	882
	C75TD005	TR-600XL-3	60 TON, 180' BOOM, ROUGH TERRAIN, 4WD	247 HP D-off		$512,194	87.66	23.35	30.16	8.27	8.86	945
C80	**CRANES, HYDRAULIC, TRUCK MOUNTED**											
	SUBCATEGORY 0.01		**UNDER 26 TON**									
			LINK BELT									
	C80LI001	HTC-814	14 TON, 80' BOOM, 6X4	200 HP D-off		$304,688	47.93	14.03	18.22	4.92	6.07	486
			PALFINGER, INC.									
	C80PA001	PK 2500	1 TON, 20' BOOM (ADD FLATBED AND 21,000 GVW TRUCK)			$15,398	2.06	0.72	0.93	0.25	0.00	9
	C80PA002	PK 3700	2.5 TON, 80' BOOM (ADD FLATBED AND 24,7000 GVW TRUCK)			$19,548	2.60	0.92	1.19	0.32	0.00	14
	C80PA004	PK 12500	3.5 TON, 62' BOOM (ADD FLATBED AND 43,000 GVW TRUCK)			$41,278	5.52	1.92	2.51	0.67	0.00	37
	C80PA003	PK 10500	4.5 TON, 52' BOOM (ADD FLATBED AND 43,000 GVW TRUCK)			$35,046	4.58	1.63	2.13	0.57	0.00	29
	C80PA005	PK 14500	7 TON, 72' 2" BOOM (ADD FLATBED AND 48,000 GVW TRUCK)			$53,544	7.09	2.50	3.25	0.87	0.00	41
	C80PA006	PK 22000	8 TON, 75' 2" BOOM (ADD FLATBED AND 50,000 GVW TRUCK)			$75,208	9.85	3.50	4.57	1.22	0.00	60
	C80PA007	PK 30000	10.5 TON, 81' 4" BOOM (ADD FLATBED AND 50,000 GVW TRUCK)			$94,905	12.85	4.41	5.76	1.53	0.00	83
	C80PA008	PK 45000	15.5 TON, 78' 9" BOOM (ADD FLATBED AND 62,000 GVW TRUCK)			$124,884	16.68	5.81	7.58	2.02	0.00	113
	C80PA009	PK 75000	20 TON, 98' 1" BOOM (ADD FLATBED AND 74,000 GVW TRUCK)			$193,465	25.69	9.00	11.75	3.13	0.00	141
			P & H									
	C80PH001	CN T-250	25 TON, 80' BOOM	210 HP D-off		$310,009	48.96	14.31	18.60	5.01	6.38	492

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.02		**26 TON THRU 65 TON**									
			GROVE WORLDWIDE (Includes GROVE & MANLIFT)									
	C80GV006	TMS-700B	50 TON, 110' BOOM, 8X4X4	250 HP D-off		$486,933	69.29	20.57	25.57	7.79	7.59	666
			LINK BELT									
	C80LI003	HTC-830	30 TON, 80' BOOM, 6X4	200 HP D-off		$305,966	45.37	12.91	16.01	4.90	6.07	486
	C80LI004	HTC-835	35 TON, 101' BOOM, 6X4	210 HP D-off		$322,995	47.82	13.63	16.91	5.17	6.38	514
	C80LI006	HTC-6650	50 TON, 110' BOOM, 8X4	234 HP D-off		$410,661	59.38	17.34	21.54	6.57	7.10	746
	C80LI008	HTC-8670	70 TON, 115' BOOM, 8X4	365 HP D-off		$485,901	73.92	20.47	25.40	7.77	11.08	879
			P & H									
	C80PH002	CN T-300	30 TON, 100' BOOM	210 HP D-off		$318,464	47.03	13.50	16.80	5.10	6.38	523
	C80PH003	CN T-350	35 TON, 110' BOOM	210 HP D-off		$318,474	47.03	13.50	16.80	5.10	6.38	525
	C80PH006	CNT-500	50 TON, 110' BOOM	250 HP D-off		$450,515	64.88	19.02	23.63	7.21	7.59	773
	C80PH007	CNT-650	65 TON, 126' BOOM	350 HP D-off		$535,522	79.13	22.65	28.15	8.57	10.63	868
			TADANO AMERICA CORPORATION									
	C80TD004	TR-450XL	45 TON, 106 ' BOOM, ROUGH TERRAIN, 4X4	180 HP D-off		$456,730	63.59	19.13	23.64	7.31	5.46	843
	SUBCATEGORY 0.03		**66 TON THRU 125 TON**									
			GROVE WORLDWIDE (Includes GROVE & MANLIFT)									
	C80GV020	TMS-870	70 TON, 110' BOOM, TRUCK MTD, HYD CRANE, 8X4	400 HP D-on		$624,801	93.01	24.53	29.22	9.92	15.44	1,092
	C80GV010	TM-890	90 TON, 114' BOOM , 8X4X4	192 HP D-off	360 HP D-on	$661,888	88.84	25.81	30.63	10.50	8.36	1,203
			LINK BELT CONSTRUCTION COMPANY									
	C80LB001	HTC-8670	70 TON, 115' BOOM	315 HP D-off		$485,969	69.20	19.06	22.70	7.71	9.56	893
	C80LB002	HTC-11100	100 TON, 115' BOOM	430 HP D-off		$659,252	94.14	25.82	30.71	10.46	13.05	1,147

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.04		**OVER 125 TON**									
			GROVE WORLDWIDE (Includes GROVE & MANLIFT)									
	C80GV012	TM-1500	150 TON, 173' BOOM, 12X6	250 HP D-off	450 HP D-on	$1,296,749	160.78	47.61	54.26	20.48	10.75	1,936
C85	**CRANES, MECHANICAL, LATTICE BOOM, CRAWLER MOUNTED**											
	SUBCATEGORY 0.11		**DRAGLINE, CLAMSHELL, 0 THRU 1.0 CY**									
			LITTLE GIANT CRANE & SHOVEL									
	C85LG001	C48H	.75 CY, 17.5 TON DRAGLINE, 30' BOOM, (ADD DRAGLINE/CLAM BUCKET)	140 HP D-off		$166,984	32.71	8.64	11.83	2.73	3.61	382
	C85LG002	C64	1 CY, 25 TON DRAGLINE, 30' BOOM, (ADD DRAGLINE/CLAMSHELL BUCKET)	140 HP D-off		$218,690	41.30	11.32	15.49	3.58	3.61	545
			NORTHWEST ENGINEERING COMPANY									
	C85NO001	50-D/5030	1.0 CY,DRAGLINE/CLAM, 40' BOOM, 15' 4"CRAWLERS W/30" SHOES (ADD BUCKET)	190 HP D-off		$353,427	65.43	18.30	25.03	5.78	4.89	930
	SUBCATEGORY 0.12		**DRAGLINE, CLAMSHELL, OVER 1.0 CY THRU 2.5 CY**									
			AMERICAN CRANE CORPORATION									
	C85AM002	5220	2.00 CY DRAGLINE/CLAM, 65' BOOM (ADD DRAGLINE OR CLAM BUCKET)	125 HP D-off		$447,288	71.04	20.81	27.16	7.23	3.22	910
			NORTHWEST ENGINEERING COMPANY									
	C85NO002	50-D/5035	1.25 CY,DRAGLINE/CLAM, 50' BOOM, 15' 4"CRAWLERS W/30" SHOES (ADD BUCKET)	190 HP D-off		$357,635	60.04	16.64	21.71	5.78	4.89	932
	C85NO003	50-D/5050	2.0 CY DRAGLINE/CLAM, 60' BOOM, 15' 4"CRAWLERS W/30" SHOES (ADD BUCKET)	238 HP D-off		$422,276	71.38	19.64	25.64	6.82	6.13	957
	C85NO004	70-D/7060	2.5 CY DRAGLINE/CLAM, 50' BOOM, 19' CRAWLERS W/30" SHOES (ADD BUCKET)	238 HP D-off		$593,479	96.85	27.61	36.03	9.59	6.13	1,425

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.13		**DRAGLINE, CLAMSHELL, OVER 2.5 CY THRU 5.0 CY**									
			AMERICAN CRANE CORPORATION									
	C85AM003	9225	4.5 CY DRAGLINE/CLAM, 95' BOOM (ADD DRAGLINE OR CLAM BUCKET)	311 HP D-off		$874,398	131.95	37.22	46.45	13.99	8.01	2,650
			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		$868,199	131.86	36.95	46.12	13.89	8.63	1,988
	C85MA002	4100W VICON #1	5 CY DRAGLINE/CLAM, 130' BOOM, 26' 6"CRAWLERS W/48"SHOES (ADD BUCKET)	335 HP D-off		$1,400,905	206.10	59.62	74.42	22.41	8.63	3,815
			NORTHWEST ENGINEERING COMPANY									
	C85NO005	70-D/7080	3.5 CY DRAGLINE/CLAM, 80' BOOM, 19' CRAWLERS W/30" SHOES (ADD BUCKET)	238 HP D-off		$700,184	105.31	29.80	37.20	11.20	6.13	1,497
	C85NO006	95-D/9570-WT	4 CY DRAGLINE/CLAM, 50' BOOM, 19' CRAWLERS W/38" SHOES (ADD BUCKET)	304 HP D-off		$662,879	102.26	28.22	35.22	10.61	7.83	1,580
	SUBCATEGORY 0.14		**DRAGLINE, CLAMSHELL, OVER 5.0 CY**									
			AMERICAN CRANE CORPORATION									
	C85AM005	12220	12 CY, 23 TON DRAGLINE, 140' BOOM, 32' 3"CRAWLERS W/60"SHOES (ADD BUCKET)	900 HP D-off		$2,883,336	410.60	113.84	136.16	45.76	23.18	6,566
	C85AM004	12220	20 CY, 37.5 TON CLAMSHELL, 120' BOOM, 32' 3"CRAWLERS W/60"SHOES (ADD BUCKET)	900 HP D-off		$2,856,338	407.03	112.77	134.88	45.33	23.18	6,670
			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		$1,640,377	239.15	64.76	77.46	26.03	17.52	5,100
	C85MA009	888	10 CY DRAGLINE/CLAM, 70' BOOM, 28' 2.5" CRAWLERS W/48" SHOES, ADD BKT	330 HP D-off		$1,089,335	154.79	43.01	51.44	17.29	8.50	3,397
			NORTHWEST ENGINEERING COMPANY									
	C85NO007	190-D	6.5 CY DRAGLINE, 85' BOOM, 21' 1"CRAWLERS W/60" SHOES (ADD BUCKET)	456 HP D-off		$885,726	132.08	34.98	41.83	14.06	11.75	2,740

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.22		**LIFTING, 26 TON THRU 50 TON**									
			AMERICAN CRANE CORPORATION									
	C85AM007	5220	50 TON LIFTCRANE, 65' BOOM, 16' CRAWLERS WITH 36" SHOES	125 HP D-off		$446,435	61.87	19.83	25.30	7.18	2.42	1,020
			NORTHWEST ENGINEERING COMPANY									
	C85NO008	50-D/5030	30 TON LIFTING CRANE, 40' BOOM, 15' 4" CRAWLERS WITH 30" SHOES	190 HP D-off		$323,550	47.19	14.36	18.33	5.20	3.67	869
	C85NO009	50-D/5035	35 TON LIFTING CRANE, 50' BOOM, 15' 4" CRAWLERS WITH 30" SHOES	190 HP D-off		$326,212	47.55	14.48	18.49	5.24	3.67	872
	C85NO010	50-D/5050	50 TON LIFTING CRANE, 60' BOOM, 15' 4" CRAWLERS WITH 30" SHOES	238 HP D-off		$420,249	61.10	18.66	23.81	6.76	4.60	952
	SUBCATEGORY 0.23		**LIFTING, 51 TON THRU 150 TON**									
			AMERICAN CRANE CORPORATION									
	C85AM008	5299A	60 TON LIFTCRANE, 75' BOOM, 17' 6" CRAWLERS WITH 36" SHOES	125 HP D-off		$511,822	63.95	20.20	24.17	8.12	2.42	1,160
	C85AM009	5300	70 TON LIFTCRANE, 160' BOOM, 17' 6" CRAWLERS WITH 36" SHOES	160 HP D-off		$539,241	68.05	21.29	25.46	8.56	3.09	1,290
	C85AM010	7225A	85 TON LIFTCRANE, 160' BOOM, 18' 7" CRAWLERS WITH 38" SHOES	213 HP D-off		$700,125	88.49	27.64	33.06	11.11	4.12	1,480
	C85AM011	9225	150 TON LIFTCRANE, 190' BOOM, 23' 9" CRAWLERS WITH 44" SHOES	289 HP D-off		$910,472	115.35	35.95	42.99	14.45	5.58	2,750
			LINK BELT CONSTRUCTION COMPANY									
	C85LB005	LS-138H	75 TON LIFTING CRANE, 150' BOOM, 19' 5" CRAWLERS, 36" SHOES	207 HP D-off		$512,592	66.03	20.23	24.21	8.13	4.00	1,159
	C85LB006	LS-208H	75 TON LIFTING CRANE, 180' BOOM, 19' 5" CRAWLERS WITH 36" SHOES	263 HP D-off		$586,045	76.12	23.14	27.67	9.30	5.08	1,421
	C85LB007	LS-218H	100 TON LIFTING CRANE, 230' BOOM, 21' 3" CRAWLERS WITH 36" SHOES	263 HP D-off		$734,663	93.81	29.00	34.69	11.66	5.08	1,685
			MANITOWOC ENGINEERING COMPANY									

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C85			***MANITOWOC ENGINEERING COMPANY (continued)***									
	C85MA004	3900 VICON	100 TON LIFTING CRANE, 210' BOOM, 20' 4" CRAWLERS W/38" SHOES	335 HP D-off		$893,217	114.42	35.27	42.18	14.18	6.47	2,354
	C85MA005	3900W VICON #2	140 TON LIFTING CRANE, 250' BOOM, 24' CRAWLERS W/48" SHOES	335 HP D-off		$1,020,749	129.59	40.30	48.20	16.20	6.47	2,744
	C85MA008	3950W	125 TON LIFTING CRANE, 260' BOOM, 24' CRAWLERS W/48" SHOES	335 HP D-off		$1,143,577	144.20	45.15	54.00	18.15	6.47	3,121
			NORTHWEST ENGINEERING COMPANY									
	C85NO011	70-D/7060	60 TON LIFTING CRANE, 50' BOOM, 19' CRAWLERS WITH 30" SHOES	238 HP D-off		$584,258	75.30	23.06	27.59	9.27	4.60	1,403
	C85NO012	70-D/7080	80 TON LIFTING CRANE, 160' BOOM, 19' CRAWLERS WITH 30" SHOES	238 HP D-off		$719,456	91.39	28.41	33.97	11.42	4.60	1,524
	C85NO013	95-D/9570-WT	60 TON LIFTING CRANE, 50' BOOM, 19' CRAWLERS WITH 38" SHOES	304 HP D-off		$653,691	85.16	25.81	30.87	10.37	5.87	1,565
	C85NO014	190-D	100 TON LIFTING CRANE, 170' BOOM, 21' 1" CRAWLERS WITH 60" SHOES (ADD BKT)	456 HP D-off		$915,473	120.01	36.14	43.23	14.53	8.81	2,872
	SUBCATEGORY 0.24		**LIFTING, OVER 150 TON**									
			AMERICAN CRANE CORPORATION									
	C85AM012	9310-A	225 TON LIFTING CRANE, 280' BOOM, 26' 6" CRAWLERS WITH 44" SHOES	279 HP D-off		$1,124,427	135.65	41.66	47.79	17.76	5.39	3,790
	C85AM013	9320	250 TON LIFTING CRANE, 280' BOOM, 28' 2" CRAWLERS WITH 50" SHOES	279 HP D-off		$1,244,104	149.35	46.08	52.87	19.65	5.39	4,050
	C85AM015	11320	450 TON LIFTING CRANE, 280' BOOM, 26' 9" CRAWLERS WITH 60" SHOES	519 HP D-off		$2,710,613	323.21	100.41	115.20	42.81	10.03	6,860
			MANITOWOC ENGINEERING COMPANY									
	C85MA006	4100W VICON #1	200 TON LIFTING CRANE, 260' BOOM, 26' 6" CRAWLERS W/48" SHOES	335 HP D-off		$1,337,393	161.42	49.54	56.84	21.12	6.47	3,929
	C85MA007	4600 VICON #3	240 TON LIFTING CRANE, 260' BOOM, 26' 1" CRAWLERS W/60" SHOES	431 HP D-off		$2,104,344	251.60	77.94	89.43	33.23	8.33	4,942
	C85MA010	888	230 TON LIFTING CRANE, 300' BOOM,	330 HP D-off		$1,361,766	164.10	50.45	57.88	21.51	6.38	3,697

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER		VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C90	**CRANES, MECHANICAL, LATTICE BOOM, TRUCK MOUNTED**													
	SUBCATEGORY 0.03		**66 TON THRU 125 TON**											
			AMERICAN CRANE CORPORATION											
	C90AM001	5530	75 TON, 170' BOOM	128 HP	D-off	238 HP	D-on	$714,959	89.35	28.05	33.39	11.35	4.45	1,245
	C90AM002	7150	125 TON, 240' BOOM	330 HP	D-off	330 HP	D-on	$933,842	121.91	36.62	43.60	14.82	9.82	1,900
	SUBCATEGORY 0.04		**OVER 125 TON**											
			AMERICAN CRANE CORPORATION											
	C90AM003	8470	180 TON, 240' BOOM	268 HP	D-off	305 HP	D-on	$1,275,522	154.02	47.03	53.78	20.14	8.19	2,520
	C90AM004	9530	220 TON, 260' BOOM	268 HP	D-off	450 HP	D-on	$1,670,608	201.49	61.20	69.65	26.38	9.04	3,480
			LINK BELT											
	C90LI007	HC-238H	150 TON, 280' BOOM	207 HP	D-off	430 HP	D-on	$1,026,786	125.72	37.74	43.05	16.22	7.47	2,012
	C90LI008	HC-248H	200 TON, 340' BOOM	248 HP	D-off	430 HP	D-on	$1,224,043	148.99	45.05	51.43	19.33	8.45	2,287
	C90LI009	HC-278H	300 TON, 450' BOOM	360 HP	D-off	430 HP	D-on	$1,987,424	237.65	73.33	83.88	31.39	11.13	3,265
			P & H											
	C90PH001	9150	150 TON, 270' BOOM	210 HP	D-off	315 HP	D-on	$996,846	121.59	36.63	41.78	15.74	6.86	1,805
C95	**CRANES, TOWER**													
	SUBCATEGORY 0.00		**CRANES, TOWER**											
			MORROW EQUIPMENT COMPANY, PECCO											
	C95AP001	SK135	STATIONARY , 7500# @ 170' HOOK R,W/7-S16 TOWER SECTIONS = 131' HOOK HEIGHT	110 HP	E			$474,601	66.07	18.37	21.09	7.82	3.36	740
	C95AP002	S16	S16 OPTIONAL 14' 9.25" TOWER SECTION (ADD TO SK135-2 CRANE FOR EACH SECTION)					$16,898	1.97	0.66	0.75	0.28	0.00	51
	C95AP003		S16 TOP CLIMBING OPTION (ADD TO SK135-2)					$72,911	8.51	2.82	3.24	1.20	0.00	118

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C95			***MORROW EQUIPMENT COMPANY, PECCO (continued)***										
	C95AP004	SK200	STATIONARY, 10600# @ 181' HOOK R, W/S16 TOWER SECTIONS =102' HOOK HEIGHT	160 HP	E		$651,639	89.18	25.21	28.96	10.73	4.89	883
	C95AP005	S16	OPTIONAL 14' 9.25" TOWER SECTION (ADD TO SK200 CRANE FOR EACH SECTION)				$16,898	1.97	0.66	0.75	0.28	0.00	51
	C95AP006		TOP CLIMBING OPTION (ADD TO SK200)				$72,911	8.51	2.82	3.24	1.20	0.00	118
	C95AP007	SK400	STATIONARY, 18500# @ 245' HOOK R, WS35, TOWER SECTIONS = 115' HOOK HEIGHT	173 HP	E		$1,078,814	139.71	41.75	47.95	17.77	5.29	1,216
	C95AP008	S35	OPTIONAL 19' 4.25" TOWER SECTION (ADD TO SK400 CRANE FOR EACH SECTION)				$35,375	4.13	1.37	1.57	0.58	0.00	84
	C95AP009		TOP CLIMBING OPTION (ADD TO SK400)				$120,097	14.03	4.65	5.34	1.98	0.00	223
	C95AP010	SK560	STATIONARY, 265' HOOK R, W/6-S60 TOWER SECTIONS = 115' HIGH	253 HP	E		$1,281,062	167.22	49.57	56.94	21.10	7.73	1,547
	C95AP011	S-60	OPTIONAL 19' 4.25" TOWER SECTION (ADD TO SK560 CRANE FOR EACH SECTION)				$44,672	5.23	1.73	1.99	0.74	0.00	100
	C95AP012		TOP CLIMBING OPTION (ADD TO SK560)				$125,630	14.67	4.86	5.58	2.07	0.00	252
	C95AP013	SN355	STATIONARY R (L2), TOWER SECTIONS=169'HIGH, W/LUFFING BOOM,	253 HP	E		$1,358,185	176.22	52.55	60.36	22.37	7.73	2,152
	C95AP014	SN35	OPTIONAL 14' 9" TOWER SECTION (ADD TO SN355 CRANE FOR EACH SECTION)				$36,456	4.26	1.41	1.62	0.60	0.00	84
	C95AP015		TOP CLIMBING OPTION (ADD TO SN355)				$116,726	13.63	4.52	5.19	1.92	0.00	159
			MORROW EQUIPMENT COMPANY										
	C95LH003	132 HC	STATIONARY TOWER CRANE, 13 @ 8' 2" TOWER SECTIONS, 140' HOOK HEIGHT, 164' MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 4,850#, MAXIMUM CAPACITY = 17,635#	101 HP	E		$506,585	67.07	19.59	22.51	8.34	3.09	950
	C95LH004	132 HC	INTERNAL CLIMBING TOWER CRANE, 9 @ 8' 2" TOWER SECTIONS, 100' HOOK HEIGHT, 164' MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 4,850#, MAXIMUM CAPACITY = 17,635#	101 HP	E		$540,267	71.01	20.91	24.01	8.90	3.09	801
	C95LH005	200 HC	STATIONARY TOWER CRANE, 9 @ 13' 7" TOWER SECTIONS, 163' HOOK HEIGHT, 197' MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 5,070#, MAXIMUM CAPACITY = 22,045#	128 HP	E		$706,628	92.75	27.34	31.41	11.64	3.91	1,296

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

	REGION 8			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES ($/HR)		ADJUSTABLE ELEMENTS			
CAT	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	1996 ($)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
C95			***MORROW EQUIPMENT COMPANY (continued)***									
	C95LH006	200 HC	INTERNAL CLIMBING TOWER CRANE, 9 @ 13' 7" TOWER SECTIONS, 147' HOOK HEIGHT, 197' MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 5,070#, MAXIMUM CAPACITY = 22,045#	129 HP E		$798,925	103.58	30.91	35.51	13.16	3.94	1,207
	C95LH007	281 HC	STATIONARY TOWER CRANE, 9 @ 13' 7" TOWER SECTIONS, 175' HOOK HEIGHT, 230' MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 6,165#, MAXIMUM CAPACITY = 26,455#	129 HP E		$931,428	119.06	36.04	41.40	15.34	3.94	1,654
	C95LH008	281 HC	INTERNAL CLIMBING TOWER CRANE, 9 @ 13' 7" TOWER SECTIONS, 150' HOOK HEIGHT, 230' MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 6,615#, MAXIMUM CAPACITY = 26,455#	129 HP E		$1,014,827	128.79	39.26	45.10	16.71	3.94	1,504
	C95LH009	290 HC	STATIONARY TOWER CRANE, 10 @ 13' 7" TOWER SECTIONS, 188' HOOK HEIGHT, 230' MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 6,615#, MAXIMUM CAPACITY = 26,455#	129 HP E		$976,049	124.26	37.76	43.38	16.07	3.94	1,741
	C95LH010	290 HC	INTERNAL CLIMBING TOWER CRANE, 9 @ 13' 7" TOWER SECTIONS, 150' HOOK HEIGHT, 230' MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 6,615#, MAXIMUM CAPACITY = 26,455#	129 HP E		$1,038,856	131.60	40.20	46.17	17.11	3.94	1,516
	C95LH011	390 HC	STATIONARY TOWER CRANE, 10 @ 19' TOWER SECTIONS, 199' HOOK HEIGHT, 246' MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 6,615#, MAXIMUM CAPACITY = 35,275#	183 HP E		$1,338,995	170.27	51.81	59.51	22.05	5.59	2,826
	C95LH012	390 HC	INTERNAL CLIMBING TOWER CRANE, 9 @ 19' TOWER SECTIONS, 199' HOOK HEIGHT, 246' MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 6,615#, MAXIMUM CAPACITY = 35,275#	183 HP E		$1,558,367	195.90	60.29	69.26	25.66	5.59	2,397
	C95LH013	550 HC20	STATIONARY TOWER CRANE, 12 @ 19' TOWER SECTIONS, 237' HOOK HEIGHT, 265' MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 7,720#, MAXIMUM CAPACITY = 44,090#	189 HP E		$1,569,649	197.50	60.73	69.76	25.85	5.77	3,248
	C95LH014	550 HC20	INTERNAL CLIMBING TOWER CRANE, 9 @ 19' TOWER SECTIONS, 199' HOOK HEIGHT, 265' MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 7,720#, MAXIMUM CAPACITY = 44,090#	170 HP E		$1,696,358	211.37	65.63	75.39	27.93	5.19	2,848

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
C95			***MORROW EQUIPMENT COMPANY (continued)***										
	C95LH015	550 HC-L	FREE STANDING LUFFING TOWER CRANE, 5 @ 19' TOWER SECTIONS, 191' HOOK HEIGHT, 197' MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 15,000#, MAXIMUM CAPACITY = 70,550#	317 HP	E		$2,687,090	336.23	103.97	119.43	44.25	9.68	3,721
	C95LH016	550 HC-L	BOTTOM CLIMB LUFFING TOWER CRANE, 6 @ 19' TOWER SECTIONS, 187' HOOK HEIGHT, 197' MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 15,000#, MAXIMUM CAPACITY = 70,550#	317 HP	E		$3,130,622	388.03	121.12	139.14	51.55	9.68	3,896
	C95LH017	24K	SELF-ERECTING TOWER CRANE, 66' HOOK HEIGHT, 75' MAX HOOK RADIUS, CAPACITY AT MAX HOOK RAD = 1,875#, MAXIMUM CAPACITY = 3,860#	17 HP	E		$134,930	18.59	5.22	6.00	2.22	0.52	403
	C95LH018	30K	SELF-ERECTING TOWER CRANE, 66' HOOK HEIGHT, 98' MAX HOOK RADIUS, CAPACITY AT MAX HOOK RAD = 1,935#, MAXIMUM CAPACITY = 6,615#	19 HP	E		$144,598	19.81	5.59	6.43	2.38	0.58	584
	C95LH019	66K	SELF-ERECTING TOWER CRANE, 5 @ 7'10" TOWER SECTIONS, 105' HOOK HEIGHT, 131' MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 3,040# MAXIMUM CAPACITY = 11,025#	33 HP	E		$345,458	43.95	13.37	15.35	5.69	1.01	1,085
	C95LH020	77K	SELF-ERECTING TOWER CRANE, 5 @ 7'10" TOWER SECTIONS, 105 HOOK HEIGHT, 139' MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 2,670#, MAXIMUM CAPACITY = 13,230#	35 HP	E		$288,015	37.34	11.14	12.80	4.74	1.07	1,249
	C95LH021	97K	SELF-ERECTING TOWER CRANE, 5 @ 7'10" TOWER SECTIONS, 105' HOOK HEIGHT, 148' MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 3,970#, MAXIMUM CAPACITY = 26,455#	35 HP	E		$367,500	46.62	14.22	16.33	6.05	1.07	1,593
	C95LH022	140K	SELF-ERECTING TOWER CRANE STATION, 8 @ 9'10" TOWER SECTIONS, 146' HOOK HEIGHT, 180' MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 3,525#, MAXIMUM CAPACITY = 22,045#	65 HP	E		$511,611	65.91	19.79	22.74	8.42	1.99	1,836

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
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		$315,346	76.86	18.04	25.23	5.42	6.98	235
	D10IN005	ECM590/YH80A	2.5"-4.5" HOLE 14' DRIFTER TRAVEL, SELF CONTAINED	215 HP D-off		$361,785	88.31	20.69	28.94	6.22	8.11	245
	D10IN006	ECM690/YH110V	3.5"-5" HOLE 14' DRIFTER TRAVEL, SELF CONTAINED	310 HP D-off		$361,901	93.09	20.70	28.95	6.22	11.69	395
	D10IN003	ECM350/VL140	2.5"-4" HOLE 12' FEED (ADD COMPRESSOR)	750 CFM A		$110,603	24.49	6.32	8.85	1.90	0.00	129
	D10IN002	ECM350/VL671	3"-4" HOLE 12' FEED (ADD COMPRESSOR)	900 CFM A		$123,603	27.33	7.08	9.89	2.13	0.00	131
		REEDDRILL CORPORATION										
	D10RD001	SCH250011	2.5"-3.5" HOLE, HYD DRIFTER, 12' CHANGE, DUST COLLECTOR, TRACK MOUNTED	180 HP D-off		$219,188	56.01	12.54	17.54	3.77	6.79	200
	D10RD002	SCH3000	2.5"-3.5" HOLE, HYD DRIFTER, 14' CHANGE, DUST COLLECTOR, TRACK MOUNTED	230 HP D-off		$236,783	62.28	13.54	18.94	4.07	8.68	310
	D10RD003	SCH4500	3.5"-5" HOLE, HYD DRIFTER, 20' CHANGE, 100' DEPTH, DUST COLLECTOR, TRACK MTD	285 HP D-off		$378,286	95.35	21.63	30.26	6.50	10.75	370
	D10RD004	SCH5000	3.5"-6.5" HOLE, HYD DRIFTER, 12' CHANGE, 72' DEPTH, DUST COLLECTOR, TRACK MTD	285 HP D-off		$371,163	93.82	21.23	29.69	6.38	10.75	435
	D10RD005	SCH5000CL	3.5"-6.5" HOLE, HYD DRIFTER, 20' CHANGE, 100' DEPTH, DUST COLLECTOR, TRACK MTD	285 HP D-off		$415,816	103.40	23.79	33.27	7.15	10.75	450
	D10RD006	ATD3800S PR55A	3.5" HOLE, 12' CHAIN FEED, AIR TRACK, DUST CONTROL	600 CFM A		$90,513	20.19	5.18	7.24	1.56	0.00	92
	D10RD007	ATD3800T PR55A	4" HOLE, 12' CHAIN FEED, AIR TRACK, TELESCOPIC BOOM, DUST CONTROL	750 CFM A		$100,071	22.29	5.72	8.01	1.72	0.00	124
		SULLIVAN INDUSTRIES, INC.										
	D10SU002	RAM EXT, VCR36	2.5"-4" HOLE,12' FEED (ADD COMPRESSOR)	600 CFM A		$105,747	23.46	6.05	8.46	1.82	0.00	149
	D10SU003	RAM EXT, VCR36	3"-4" HOLE,12' FEED (ADD COMPRESSOR)	850 CFM A		$109,162	24.19	6.25	8.73	1.88	0.00	205
	D10SU005	SCORPION VCR3	5.2" HOLE, 14' FEED (INCUDES COMPRESSR)	260 HP D-off		$176,362	50.83	10.08	14.11	3.03	9.81	200

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
D10			***SULLIVAN INDUSTRIES, INC. (continued)***										
	D10SU006	SCORPION VCR3	6.5" HOLE, 14' FEED (INCLUDES COMPRESSR)	260 HP	D-off		$176,362	50.83	10.08	14.11	3.03	9.81	200
D15	**DRILLS, HORIZONTAL BORING & GROUND PIERCING**												
	SUBCATEGORY 0.00		**DRILLS, HORIZONTAL BORING & GROUND PIERCING**										
			BOR-IT MANUFACTURING COMPANY, INC.										
	D15BI001	16	16" DIA, COMBINATION HEAD, 27' TRACK, 30,000# THRUST, 100' AUGER TRACK	16 HP	G		$15,699	5.13	0.90	1.26	0.27	1.42	18
	D15BI002	20	20" DIA, COMBINATION HEAD, 27' TRACK, 44,000# THRUST, 100' AUGER TRACK	18 HP	G		$19,032	6.06	1.09	1.52	0.33	1.60	21
	D15BI003	24	24" DIA, COMBINATION HEAD, 30' TRACK, 84,000# THRUST, 100' AUGER TRACK	31 HP	D-off		$29,225	7.48	1.67	2.34	0.50	1.17	49
	D15BI004	30	30" DIA, COMBINATION HEAD, 30' TRACK, 170,000# THRUST, 100' AUGER TRACK	45 HP	D-off		$41,778	10.72	2.39	3.34	0.72	1.70	70
	D15BI005	36	36" DIA, COMBINATION HEAD, 30' TRACK, 225,000# THRUST, 100' AUGER TRACK	68 HP	D-off		$58,543	15.26	3.35	4.68	1.01	2.56	90
	D15BI006	48	48" DIA, COMBINATION HEAD, 32' TRACK, 525,000# THRUST, 100' AUGER TRACK	110 HP	D-off		$100,795	25.93	5.76	8.06	1.73	4.15	170
	D15BI008	54	54" DIA, COMBINATION HEAD, 32' TRACK, 700,000# THRUST, 100' AUGER TRACK	165 HP	D-off		$115,928	31.75	6.63	9.27	1.99	6.22	250
	D15BI007	60	60" DIA, COMBINATION HEAD, 32' TRACK, 1,100,000# THRUST, 100' AUGER TRACK	165 HP	D-off		$137,565	36.15	7.88	11.01	2.37	6.22	250
			UNDERGROUND EQUIPMENT & SUPPLY										
	D15UE001	500-RTW	1"-6" DIA, HORIZ EARTH BORING MACHINE	6 HP	G		$4,110	1.56	0.24	0.33	0.07	0.53	2
D20	**DRILLS, CORE, COLUMN MOUNTED**												
	SUBCATEGORY 0.00		**DRILLS, CORE, COLUMN MOUNTED**										
			ACKER DIVISION, CHRISTENSEN-BOYLES										
	D20AD002	930-E	10" DIA MAX CORE HOLE	2 HP	E		$3,904	1.32	0.27	0.39	0.07	0.08	2
	D20AD005	630-E	4" DIA MAX CORE HOLE	2 HP	E		$3,835	1.30	0.26	0.38	0.07	0.08	1
	D20AD006	1040-E	10" DIA MAX CORE HOLE	4 HP	E		$6,344	2.16	0.42	0.63	0.11	0.15	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
D20			***ACKER DIVISION, CHRISTENSEN-BOYLES (continued)***										
	D20AD007	1200-G	12" DIA MAX CORE HOLE	8 HP	E		$10,477	3.79	0.71	1.05	0.18	0.30	3
			CUSHION CUT										
	D20CQ001	HCD24/12	CORE DRILL WITH STAND, 9"-36" BIT DIA	42 HP	G		$23,100	11.52	1.56	2.31	0.41	3.73	11
			CUSHION CUT DIVISION, BOART LONGYEAR										
	D20LY001	752	DRILL, WITH E4-230/110 MOTOR (110V)	3 HP	E		$5,947	2.10	0.40	0.59	0.10	0.11	2
	D20LY002	42N	DRILL, WITH A4-350 MOTOR (ADD COMPR)	185 CFM	A		$6,559	2.20	0.45	0.66	0.12	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		$68,599	18.03	3.92	5.49	1.18	2.60	45
	D25AD004	ACEW	725' MAX DRILL DEPTH	28 HP	D-off		$54,720	13.09	3.13	4.38	0.94	1.06	35
			E-Z DRILL, INC.										
	D25EZ003	210 SRA	HORIZONTAL DOWELLING ASSEMBLY W/VERTICAL CONVERSION KIT, 18" MAX (ADD 100 CFM COMPRESSOR. 5-9 PSI)				$7,344	2.07	0.41	0.57	0.13	0.00	3
	D25EZ001	210 SR HORIZON	HORIZONTAL DOWELLING ASSEMBLY WITH DRILL DEPTH MAXIMUM 18" (ADD 100 CFM COMPRESSOR, 18-25 PSI)				$6,992	2.00	0.40	0.56	0.12	0.00	3
	D25EZ004	210-3	DOWELING MACHINE, SELF-PROPELLED ASSEMBLY, DRILL DEPTH 18" MAX (ADD 100 CFM COMPRESSOR. 18-25 PSI)				$24,177	6.38	1.37	1.90	0.42	0.00	10
	D25EZ005	210-3 L&T	DOWELING MACHINE, SELF-PROPELLED, WITH LIFT AND TRAVEL ASSEMBLY, DRILL DEPTH 18" MAX (ADD 100 CFM COMPRESSOR. 18-25 PSI)				$26,274	6.87	1.48	2.07	0.45	0.00	12

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER		VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
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			$89,464	31.71	5.12	7.16	1.54	7.92	137
	D30HD002	H-35VT	HYDRAULIC AUGER, W/60' 8" X 27" LEADS, 33,000 FT-LBS TORQUE (ADD CRANE)	270 HP	D-off			$133,469	45.13	7.63	10.68	2.29	10.18	163
	D30HD003	H-50VT	HYDRAULIC AUGER W/60' 10" X 38" LEADS, 50,000 FT-LBS TORQUE (ADD CRANE)	335 HP	D-off			$185,289	60.51	10.60	14.82	3.19	12.64	291
			MOBILE DRILLING COMPANY, INC.											
	D30MR001	MINUTEMAN	DRILL W/AUGER KIT, 3" DIA, 30' DEPTH, 350 FT-LBS TORQUE, PORTABLE	8 HP	G			$6,452	2.37	0.37	0.52	0.11	0.71	4
	D30MR003	B-31	HYDRAULIC AUGER, 14" DIA, 30' DEPTH, 3,500 FT-LBS TORQUE, TRAILER MOUNTED	95 HP	G			$30,702	18.21	1.75	2.43	0.53	8.44	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			$66,860	34.45	3.78	5.26	1.15	14.56	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	$73,635	33.04	4.17	5.80	1.27	12.48	130
	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	$124,734	45.50	7.09	9.89	2.14	13.59	205
			REEDDRILL CORPORATION											
	D30RD001	TEXOMA 270	4.5' MAX HOLE DIA, 20' DEPTH, (ADD 24,000 GVW TRUCK)	86 HP	G			$106,374	33.32	6.09	8.51	1.83	7.64	120
	D30RD004	HDE ECONOMATI	4' MAX HOLE DIA, 25' DEPTH, (ADD 40-44,000 GVW TRUCK)	135 HP	G			$113,470	40.82	6.49	9.08	1.95	11.99	140
	D30RD002	TEXOMA 330	6' MAX HOLE DIA, 25' DEPTH, (ADD 44-48,000 GVW TRUCK)	135 HP	G			$118,798	41.95	6.79	9.50	2.04	11.99	170
	D30RD003	TEXOMA 500	6' MAX HOLE DIA, 35' DEPTH, (ADD 48-50,000 GVW TRUCK)	135 HP	G			$130,420	44.44	7.46	10.43	2.24	11.99	230
	D30RD005	TEXOMA 800	8' MAX HOLE DIA, 90' DEPTH, (ADD 60,000 GVW TRUCK)	160 HP	D-off			$312,536	75.00	17.87	25.00	5.37	6.04	440

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
D30			***REEDDRILL CORPORATION (continued)***									
	D30RD007	TEXOMA 700	6' MAX HOLE DIA, 60' DEPTH, CRAWLER MOUNTED	130 HP D-off		$302,587	71.35	17.31	24.21	5.20	4.90	600
	D30RD006	TEXOMA 800 T	8' MAX HOLE DIA, 90' DEPTH, CRAWLER MOUNTED	160 HP D-off		$362,909	85.80	20.76	29.03	6.24	6.04	680
	D30RD008	TEXOMA 900	8' MAX HOLE DIA, 120' DEPTH, CRAWLER MOUNTED	210 HP D-off		$456,630	108.38	26.12	36.53	7.85	7.92	880
	D30RD009	TEXOMA TAURU	10' MAX HOLE DIA, 120' DEPTH, CRAWLER MOUNTED	250 HP D-off		$597,998	140.69	34.20	47.84	10.28	9.43	1,330
	D30RD010	CM-100	8' MAX HOLE DIA, (ADD 100 TON LIFT CRANE MIN)	180 HP D-off		$147,055	40.54	8.41	11.76	2.53	6.79	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	$434,329	100.53	19.56	24.59	7.27	21.63	550
	D35IN007	DM30/HP	5.125"-6.75" , 30,000 LB PULL-DOWN HIGH PRESSURE	450 HP D-off		$428,837	92.10	19.42	24.50	7.17	16.97	620
	D35IN008	DM45/LP	5.125"-7.875" , 45,000 LB PULL-DOWN LOW PRESSURE	450 HP D-off		$454,529	96.15	20.59	25.97	7.60	16.97	720
	D35IN009	DM45/HP	5.125"-7.875" , 45,000 LB PULL-DOWN HIGH PRESSURE	600 HP D-off		$513,159	113.57	23.24	29.32	8.58	22.63	780
	D35IN010	DM-L/LP	6"-9.875" , 45,000 LB BIT LOADING LOW PRESSURE	525 HP D-off		$560,351	116.91	25.38	32.02	9.37	19.80	900
	D35IN011	DM-L/HP	6"-9.875" , 60,000 LB BIT LOADING HIGH PRESSURE	600 HP D-off		$589,359	125.59	26.70	33.68	9.86	22.63	980
			REEDDRILL CORPORATION									
	D35RD001	SK5AD	4"-7" HOLE, 148' DEPTH, TRUCK MTD, ROTARY BLASTHOLE	400 HP D-off	350 HP D-off	$313,119	73.95	14.19	17.89	5.24	17.02	525
	D35RD003	SK35I	5"-9" HOLE, 150' DEPTH, TRUCK MTD, ROTARY BLASTHOLE	335 HP D-off	270 HP D-off	$346,773	75.08	15.71	19.82	5.80	14.13	590
	D35RD002	SK25I	5"-6.75" HOLE, 75' DEPTH, CRWLR MTD, ROTARY BLASTHOLE	250 HP D-off	228 HP D-off	$291,890	61.44	13.22	16.68	4.88	10.69	420
	D35RD004	INFINITY SK40I	5"-8" HOLE, 173' DEPTH, CRWLR MTD, ROTARY BLASTHOLE	430 HP D-off	400 HP D-off	$432,132	94.73	19.58	24.69	7.23	18.43	880

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
D35			***REEDDRILL CORPORATION (continued)***										
	D35RD006	INFINITY SK50I	7"-9.875" HOLE, 178' DEPTH, CRWLR MTD, ROTARY BLASTHOLE	430 HP	D-off		$455,888	95.28	20.66	26.05	7.63	16.22	900
	D35RD008	INFINITY SK60I	7.5"-10.5" HOLE, 210' DEPTH, CWRLR MTD, ROTARY BLASTHOLE	525 HP	D-off		$526,874	111.64	23.87	30.11	8.81	19.80	1,110
	D35RD005	INFINITY SK45I	6"-9" HOLE, 178' DEPTH, LIGHT PRESSURE, CWRLR MTD, BLASTHOLE	525 HP	D-off		$472,500	103.07	21.40	27.00	7.90	19.80	900
	D35RD007	INFINITY SK50I	6.5"-9" HOLE, 178' DEPTH, HIGH PRESSURE, CWRLR MTD, ROTARY BLASTHOLE	750 HP	D-off		$503,255	120.21	22.80	28.76	8.42	28.29	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		$381,068	70.01	14.68	16.80	6.28	15.47	446
	D35IN005	T3W	6"-18", WATER WELL DRILL, TRUCK MOUNTED 50,000 LB PULL BACK	465 HP	D-off		$450,597	81.61	17.37	19.89	7.42	17.54	600
	D35IN003	TH-60	16" WATER WELL DRILL, TRUCK MOUNTED	475 HP	D-off		$431,137	79.56	16.62	19.04	7.10	17.92	460
	D35IN006	T4W	6"-20", WATER WELL DRILL, TRUCK MOUNTED 70,000 LB PULL BACK	600 HP	D-off		$538,885	99.74	20.77	23.81	8.87	22.63	680
			REEDDRILL CORPORATION										
	D35RD009	INFINITY SK75I	9"-12" HOLE, 175' DEPTH,	750 HP	D-off		$710,543	128.44	27.49	31.58	11.70	28.29	1,200
F10	**FORK LIFTS**												
	SUBCATEGORY 0.00		**FORK LIFTS**										
			CATERPILLAR, INC.										
	F10CA001	M25D	2500# @ 24" LOAD CENTER, 162" L-HT	18 HP	E		$24,244	5.35	1.37	1.90	0.42	0.55	65
	F10CA002	2EC15	3000# @ 24" LOAD CENTER, 190" L-HT	18 HP	E		$27,738	6.02	1.56	2.17	0.48	0.55	65
	F10CA025	2EC15	3000# @ 24" LOAD CENTER, 190" MAST	18 HP	E		$27,738	6.02	1.56	2.17	0.48	0.55	65
	F10CA027	GC15	3000# @ 24" LOAD CENTER, 190" MAST	46 HP	G		$24,096	8.72	1.37	1.91	0.41	3.32	61
	F10CA026	2EC20	4000# @ 24" LOAD CENTER, 190" MAST	28 HP	E		$32,028	7.28	1.80	2.50	0.55	0.86	71
	F10CA028	GC20	4000# @ 24" LOAD CENTER, 190" TRI-P MAST	46 HP	G		$27,898	9.44	1.58	2.20	0.48	3.32	88

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
F10			***CATERPILLAR, INC. (continued)***										
	F10CA029	GC25	5000# @ 24" LOAD CENTER, 190" TRI-P MAST	46 HP	G		$29,533	9.77	1.66	2.30	0.51	3.32	95
	F10CA004	2EC25	5000# @ 24" LOAD CENTER, 190" MAST	28 HP	E		$33,633	7.57	1.90	2.63	0.58	0.86	95
	F10CA005	2EC30	6000# @ 24" LOAD CENTER, 187" MAST	28 HP	E		$36,712	8.14	2.07	2.88	0.63	0.86	105
	F10CA030	GC30	6000# @ 24" LOAD CENTER, 187" MAST	63 HP	G		$35,715	12.46	2.02	2.81	0.61	4.55	117
	F10CA006	M70D	7000# @ 24" LOAD CENTER, 134" MAST	53 HP	E		$44,190	10.69	2.48	3.44	0.76	1.62	134
	F10CA031	GP35	7000# @ 24" LOAD CENTER, 187" MAST	57 HP	G		$42,951	13.24	2.44	3.39	0.74	4.11	125
	F10CA007	M80D	8000# @ 24" LOAD CENTER, 134" MAST	53 HP	E		$46,098	11.04	2.59	3.61	0.79	1.62	142
	F10CA032	GP40	8000# @ 24" LOAD CENTER, 187" MAST	63 HP	G		$45,231	14.23	2.56	3.57	0.78	4.55	131
	F10CA008	M100D	10000# @ 24" LOAD CENTER, 134" MAST	53 HP	E		$47,924	11.38	2.70	3.76	0.82	1.62	160
	F10CA033	DP50	11000# @ 24" LOAD CENTER, 187" MAST	66 HP	D-off		$56,839	13.13	3.21	4.46	0.98	2.00	180
	F10CA034	DP70	15500# @ 24" LOAD CENTER, 140" MAST	70 HP	D-off		$63,838	14.60	3.61	5.02	1.10	2.13	201
	F10CA035	DP80	17500# @ 24" LOAD CENTER, 140" MAST	125 HP	D-off		$86,866	21.02	4.89	6.80	1.49	3.79	250
	F10CA036	DP90	20000# @ 24" LOAD CENTER, 141" MAST	125 HP	D-off		$93,244	22.20	5.25	7.31	1.60	3.79	273
	F10CA037	DP115	25000# @ 24" LOAD CENTER, 141" MAST	125 HP	D-off		$98,791	23.25	5.55	7.70	1.70	3.79	342
	F10CA038	DP135	30000# @ 24" LOAD CENTER, 141" MAST	125 HP	D-off		$103,901	24.22	5.82	8.06	1.79	3.79	372
	F10CA021	R40D	4000# @ 24" LOAD CENTER, R/T 168" L-HT	68 HP	D-off		$43,480	10.79	2.40	3.29	0.75	2.06	107
	F10CA022	R50D	5000# @ 24" LOAD CENTER, R/T 168" L-HT	68 HP	D-off		$48,734	11.76	2.69	3.71	0.84	2.06	112
	F10CA023	R60D	6000# @ 24" LOAD CENTER, R/T 240" L-HT	68 HP	D-off		$52,688	12.49	2.92	4.02	0.91	2.06	127
	F10CA024	R80D	8000# @ 24" LOAD CENTER, R/T 192" L-HT	68 HP	D-off		$54,511	12.84	2.99	4.10	0.94	2.06	138
			HYSTER AMERICA (Lift Trucks)										
	F10HY001	H30XL	3000# @ 24" LOAD CENTER, 129" L-HT	46 HP	G		$21,226	8.20	1.19	1.66	0.36	3.32	58
	F10HY002	H60XL	6000# @ 24" LOAD CENTER, 124" L-HT	94 HP	G		$38,208	15.81	2.16	3.00	0.66	6.78	91
	F10HY003	H110XL	11000# @ 24" LOAD CENTER, 136" L-HT	94 HP	G		$45,801	17.19	2.61	3.63	0.79	6.78	147
	F10HY004	H155XL	15500# @ 24" LOAD CENTER, 212" L-HT	94 HP	G		$58,859	19.66	3.30	4.59	1.01	6.78	190
	F10HY005	H210XL	21000# @ 24" LOAD CENTER, 212" L-HT	127 HP	D-off		$81,076	20.03	4.55	6.33	1.39	3.86	291
	F10HY006	H250XL	25000# @ 24" LOAD CENTER, 212" L-HT	127 HP	D-off		$88,361	21.43	4.92	6.81	1.52	3.86	316
	F10HY007	H300XL	30000# @ 24" LOAD CENTER, 208" L-HT	127 HP	D-off		$89,973	21.72	5.04	6.99	1.55	3.86	367
	F10HY008	H440FS	47000# @ 48" LOAD CENTER, 220" L-HT	215 HP	D-off		$203,433	46.28	11.41	15.83	3.50	6.53	636
			JCB										
	F10JC001	930	6000#, ROUGH TERRAIN, 4X4, 264" MAST-HT	75 HP	D-off		$52,762	12.79	2.92	4.01	0.91	2.28	148

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
F10			*JCB (continued)*										
	F10JC002	940	8000#, ROUGH TERRAIN, 4X4, 264" MAST-HT	75 HP	D-off		$60,531	14.22	3.35	4.62	1.04	2.28	162
G10	**GENERATOR SETS**												
	SUBCATEGORY 0.10		**PORTABLE**										
			HOMELITE COMPANY, SUBSIDIARY OF DEERE & COMPANY										
	G10HO005	LR2500	2.5 KW, 120/240V	5 HP	G		$626	0.59	0.05	0.07	0.01	0.36	1
	G10HO006	LR4400	4.4 KW, 120/240V	8 HP	G		$768	0.89	0.05	0.08	0.01	0.58	2
	G10HO007	LR5500	5.5 KW, 120/240V	11 HP	G		$933	1.21	0.07	0.10	0.02	0.79	2
			KOHLER COMPANY										
	G10KH004	4MM65	3.5 KW, 120/240V	8 HP	G		$1,605	1.07	0.12	0.17	0.03	0.58	2
	G10KH005	6MM65	5.0 KW, 120/240V	12 HP	G		$1,963	1.52	0.14	0.21	0.03	0.87	2
			ONAN CORPORATION										
	G10ON001	2.5EGH-AA/28018	2.5 KW, 120/240V	6 HP	G		$1,264	0.81	0.09	0.13	0.02	0.43	1
	G10ON002	4.0EGH-AB/38018	4.0 KW, 120/240V	9 HP	G		$1,711	1.18	0.12	0.18	0.03	0.65	1
	G10ON003	5.0EGH-AB/3801	5.0 KW, 120/240V	14 HP	G		$2,107	1.74	0.15	0.22	0.04	1.01	2
	SUBCATEGORY 0.20		**SKID MOUNTED**										
			CATERPILLAR, INC.										
	G10CA001	3304/PA5012	113 KW, 240/480V, 60 HZ, PGS PRIME SKID	174 HP	D-off		$23,551	11.00	1.39	2.00	0.39	5.28	37
	G10CA003	3306/CA0310	205 KVA, 400V , 50 HZ PGS PRIME SKID	269 HP	D-off		$29,520	15.78	1.74	2.51	0.49	8.17	52
	G10CA002	3306/CA0548	210 KW, 240, 60 HZ, PGS PRIME SKID	307 HP	D-off		$29,490	17.25	1.74	2.51	0.49	9.32	50
	G10CA004	3406/CA0323	275 KVA, 400V , 50 HZ PGS PRIME SKID	475 HP	D-off		$36,832	25.10	2.17	3.13	0.61	14.42	68
	G10CA005	3406/CA0332	275 KW, 380V, 60 HZ PGS PRIME SKID	368 HP	D-off		$39,013	21.33	2.31	3.32	0.65	11.17	68
	G10CA006	3408/PA4982	365 EKW, 240/480V, 60 HZ PGS PRIME SKID	536 HP	D-off		$56,545	31.02	3.34	4.81	0.94	16.27	88
	G10CA007	3412/PA5001	455 EKW, 240/480V, 60 HZ PGS PRIME SKID	665 HP	D-off		$68,245	38.14	4.03	5.80	1.13	20.19	93
	G10CA008	3412/PA5927	545 EKW, 240/480V, 60 HZ PGS PRIME SKID	813 HP	D-off		$85,355	46.99	5.05	7.26	1.42	24.68	100
	G10CA009	3508/LA0553	680 EKW, 240/480V, 60 HZ PGS PRIME SKID	963 HP	D-off		$125,173	59.98	7.40	10.64	2.08	29.24	181
	G10CA010	3512/LA0543	910 EKW, 240/480V, 60 HZ PGS PRIME SKID	1,325 HP	D-off		$154,970	79.43	9.16	13.17	2.58	40.23	225

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
G10			*CATERPILLAR, INC. (continued)*										
	G10CA011	3516/LA0531	1275 EKW, 480V, 60 HZ PGS PRIME SKID	1,830 HP	D-off		$231,216	112.77	13.66	19.65	3.84	55.56	278
			ONAN CORPORATION										
	G10ON009	6.0HDKAS/11477	6 KW, RECONNECTIBLE	12 HP	D-off		$7,311	1.77	0.43	0.62	0.12	0.36	5
	G10ON005	6.5NAD-FB/1	10.3 KW, 120/240V	14 HP	G		$4,334	2.08	0.26	0.37	0.07	1.01	2
	G10ON006	7.0GNAA	7 KW, 120/240V	15 HP	G		$7,571	2.75	0.45	0.64	0.13	1.08	7
	G10ON007	7.5DHDKAL/H475	7.5 KW, 120/240V	13 HP	D-off		$7,477	1.84	0.44	0.64	0.12	0.39	5
	G10ON010	11.5DNAD	11.5 KW, 120/240V	21 HP	D-off		$8,561	2.36	0.51	0.73	0.14	0.64	7
	G10ON011	15DKAC	15 KW, DUAL PHASE	24 HP	D-off		$11,646	3.03	0.69	0.99	0.19	0.73	12
	G10ON012	20DKAE	20 KW, RECONNECTIBLE	33 HP	D-off		$12,066	3.45	0.72	1.03	0.20	1.00	12
	G10ON013	35DGBB	35 KW, RECONNECTIBLE	68 HP	D-off		$13,483	5.06	0.79	1.15	0.22	2.06	17
	G10ON014	40.0DGBC	40 KW, RECONNECTIBLE	68 HP	D-off		$14,244	5.20	0.84	1.21	0.24	2.06	17
	G10ON015	50.0DGCA	50 KW, RECONNECTIBLE	86 HP	D-off		$15,761	6.18	0.93	1.34	0.26	2.61	17
	G10ON016	60.0DGCB	60 KW, RECONNECTIBLE	102 HP	D-off		$16,981	7.02	1.00	1.44	0.28	3.10	17
	G10ON017	80.0DGDA	80 KW, RECONNECTIBLE	135 HP	D-off		$19,250	8.72	1.14	1.64	0.32	4.10	27
	G10ON018	100.0DGDB	100 KW, RECONNECTIBLE	166 HP	D-off		$22,171	10.44	1.31	1.88	0.37	5.04	27
	G10ON019	125.0DGEA	125 KW, RECONNECTIBLE	207 HP	D-off		$25,034	12.55	1.48	2.13	0.42	6.28	34
	G10ON020	150.0DGFA	150 KW, RECONNECTIBLE	277 HP	D-off		$29,158	16.01	1.72	2.48	0.48	8.41	34
G15	**GRADERS, MOTOR**												
	SUBCATEGORY 0.00		**GRADERS, MOTOR**										
			CATERPILLAR, INC.										
	G15CA001	120-H	ARTICULATED FRAME, POWERSHIFT NA VERSION	125 HP	D-off		$172,591	27.74	7.54	9.09	2.99	3.56	290
	G15CA007	135-H	ARTICULATED FRAME, POWERSHIFT NA VERSION	135 HP	D-off		$183,238	29.53	8.00	9.66	3.17	3.85	400
	G15CA003	12-H	ARTICULATED FRAME, POWERSHIFT NA VERSION	140 HP	D-off		$200,726	32.01	8.77	10.60	3.47	3.99	330
	G15CA004	140-H	ARTICULATED FRAME, POWERSHIFT NA VERSION	150 HP	D-off		$213,803	34.16	9.34	11.28	3.70	4.28	340
	G15CA008	143-H	ARTICULATED FRAME, AWD, NA VERSION	150 HP	D-off		$248,403	38.69	10.87	13.13	4.30	4.28	340
	G15CA010	163-H	ARTICULATED FRAME, AWD, NA VERSION	180 HP	D-off		$268,525	42.53	11.76	14.21	4.65	5.13	379

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/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	200 HP	D-off		$231,778	38.49	10.13	12.24	4.01	5.70	358
	G15CA005	14-H	ARTICULATED FRAME, POWERSHIFT STANDARD VERSION	215 HP	D-off		$296,803	47.97	12.87	15.48	5.13	6.13	441
	G15CA006	16-H	ARTICULATED FRAME, POWERSHIFT STANDARD VERSION	275 HP	D-off		$433,460	68.71	18.74	22.48	7.50	7.84	581
			CHAMPION ROAD MACHINERY INTERNATIONAL										
	G15CH001	710A	ARTICULATED FRAME, POWERSHIFT	140 HP	D-off		$158,655	26.66	6.87	8.26	2.74	3.99	319
	G15CH002	720A	ARTICULATED FRAME	160 HP	D-off		$180,433	30.20	7.87	9.49	3.12	4.56	336
	G15CH003	730A	ARTICULATED FRAME	195 HP	D-off		$190,955	32.96	8.32	10.05	3.30	5.56	358
	G15CH004	740A	ARTICULATED FRAME	210 HP	D-off		$210,084	36.06	9.16	11.07	3.63	5.99	366
	G15CH005	750A	ARTICULATED FRAME	210 HP	D-off		$237,169	40.00	10.24	12.28	4.10	5.99	420
	G15CH006	780A	ARTICULATED FRAME	210 HP	D-off		$249,420	41.60	10.78	12.94	4.31	5.99	441
	G15CH007	710R	RIGID FRAME	140 HP	D-off		$149,619	25.49	6.48	7.78	2.59	3.99	319
	G15CH008	720R	RIGID FRAME	160 HP	D-off		$165,430	28.23	7.20	8.68	2.86	4.56	336
	G15CH009	730R	RIGID FRAME	195 HP	D-off		$175,471	30.95	7.65	9.22	3.04	5.56	358
	G15CH010	740R	RIGID FRAME	210 HP	D-off		$198,172	34.52	8.65	10.44	3.43	5.99	367
			FIATALLIS										
	G15FI001	FG75A SERIES B	ARTICULATED FRAME, POWERSHIFT	135 HP	D-off		$127,059	22.21	5.53	6.65	2.20	3.85	331
	G15FI002	FG85A SERIES B	ARTICULATED FRAME, POWERSHIFT	162 HP	D-off		$130,217	23.73	5.65	6.80	2.25	4.62	370
	G15FI003	FG105A SERIES	ARTICULATED FRAME, POWERSHIFT	196 HP	D-off		$149,603	27.74	6.47	7.76	2.59	5.59	399
			GALION DIVISION, KOMATSO DRESSER COMPANY										
	G15GI002	830	ARTICULATED FRAME, POWERSHIFT	144 HP	D-off		$170,842	28.28	7.46	9.00	2.96	4.11	268
	G15GI004	850	ARTICULATED FRAME, POWERSHIFT	166 HP	D-off		$184,847	31.33	7.96	9.53	3.20	4.73	291
	G15GI006	870	ARTICULATED FRAME, POWERSHIFT	204 HP	D-off		$194,322	34.09	8.38	10.04	3.36	5.82	314
			DEERE & COMPANY										
	G15JD002	670B	ARTICULATED FRAME, POWERSHIFT, W/ RIPPER/SCARIFIER	135 HP	D-off		$174,776	28.73	7.53	9.02	3.02	3.85	286
	G15JD003	672B	ARTICULATED FRAME, POWERSHIFT W/ RIPPER/SCARIFIER	135 HP	D-off		$204,967	32.67	8.87	10.64	3.55	3.85	289

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
G15			*DEERE & COMPANY (continued)*									
	G15JD004	770B	ARTICULATED FRAME, POWERSHIFT W/ RIPPER/SCARIFIER	155 HP D-off		$198,437	32.61	8.57	10.29	3.43	4.42	295
	G15JD006	770BH	ARTICULATED FRAME, POWERSHIFT	170 HP D-off		$200,086	33.43	8.65	10.38	3.46	4.85	296
	G15JD007	772BH	ARTICULATED FRAME, POWERSHIFT	170 HP D-off		$228,460	37.13	9.90	11.90	3.95	4.85	296
			KOMATSU DRESSER COMPANY									
	G15KM001	GD 525A-1C	ARTICULATED FRAME	135 HP D-off		$238,915	37.09	10.36	12.46	4.13	3.85	279
	G15KM003	GD 625A-1C	ARTICULATED FRAME	155 HP D-off		$279,982	42.98	12.25	14.82	4.84	4.42	313
	G15KM004	GD 725A-1	ARTICULATED FRAME	200 HP D-off		$369,497	56.84	16.07	19.37	6.39	5.70	409
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)			$5,618	2.45	0.47	0.75	0.10	0.00	2
	H10NP002	H-08X	HAMMER, IMPACT ENERGY, 200 FT-LBS WITH H-08X DEMOLITION TOOL (ADD 60-75 HP HYD EXCAVATOR)			$6,213	2.66	0.53	0.83	0.11	0.00	2
	H10NP003	H-1XA	HAMMER, IMPACT ENERGY, 300 FT-LBS WITH H-1AX DEMOLITION TOOL (ADD 60-75 HP HYD EXCAVATOR)			$7,252	3.27	0.61	0.97	0.13	0.00	4
	H10NP004	H-2XA	HAMMER, IMPACT ENERGY, 500 FT-LBS WITH H-2AX DEMOLITION TOOL (ADD 60-75 HP HYD EXCAVATOR)			$10,087	4.24	0.85	1.34	0.18	0.00	6
	H10NP005	H-3XA	HAMMER, IMPACT ENERGY, 750 FT-LBS WITH H-3AX DEMOLITION TOOL (ADD 75-100 HP HYD EXCAVATOR)			$14,306	5.97	1.21	1.91	0.26	0.00	9
	H10NP006	H-4XE	HAMMER, IMPACT ENERGY 1,000 FT-LBS WITH H-4XE DEMOLITION TOOL (ADD 95-125 HP HYD EXCAVATOR)			$19,801	7.87	1.68	2.64	0.36	0.00	12
	H10NP007	H-6XA	HAMMER, IMPACT ENERGY 1,250 FT-LBS WITH H-6XA DEMOLITION TOOL (ADD 95-125 HP HYD EXCAVATOR)			$25,650	9.91	2.18	3.42	0.47	0.00	15

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
H10			***NPK CONSTRUCTION EQUIPMENT (continued)***										
	H10NP008	H-7X	HAMMER, IMPACT ENERGY, 1500 FT-LBS WITH H-7X DEMOLITION TOOL (ADD 95-125 HP HYD EXCAVATOR)				$29,260	11.41	2.48	3.90	0.53	0.00	18
	H10NP009	H-8XA	HAMMER, IMPACT ENERGY, 2,000 FT-LBS WITH H-8AX DEMOLITION TOOL (ADD 95-125 HP HYD EXCAVATOR)				$36,536	13.94	3.11	4.87	0.67	0.00	24
	H10NP010	H-10XB	HAMMER, IMPACT ENERGY, 3000 FT-LBS WITH H-10XB DEMOLITION TOOL (ADD 95-125 HP HYD EXCAVATOR)				$44,816	17.07	3.81	5.98	0.82	0.00	35
	H10NP011	H-12X	HAMMER, IMPACT ENERGY, 4,000 FT-LBS WITH H-12X DEMOLITION TOOL (ADD 125 HP HYD EXCAVATOR)				$53,375	20.53	4.53	7.12	0.97	0.00	46
	H10NP012	H-16X	HAMMER, IMPACT ENERGY, 5,000 FT-LBS WITH H-16X DEMOLITION TOOL (ADD 150-250 HP HYD EXCAVATOR)				$63,363	24.51	5.38	8.45	1.16	0.00	59
	H10NP013	H-20X	HAMMER, IMPACT ENERGY, 6000 FT-LBS WITH H-20X DEMOLITION TOOL (ADD 245-425 HP HYD EXCAVATOR)				$86,613	33.08	7.36	11.55	1.58	0.00	69
	H10NP014	H-30X	HAMMER, IMPACT ENERGY, 10,000 FT-LBS WITH H-30X DEMOLITION TOOL (ADD 350-525 HP HYD EXCAVATOR)				$120,976	45.51	10.27	16.13	2.21	0.00	110
H13	**HAZARD/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		$18,497	4.11	1.10	1.57	0.31	0.15	25
	H13CB002	DOS RAW WI	20 TON LL RAD WASTE COMPACTOR, 55 GALLON BARREL CAPACITY	10 HP	E		$21,095	4.86	1.25	1.79	0.35	0.31	25
			COMPACTING TECHNOLOGIES INTERNATIONAL										
	H13CO002	8040	37 TON HAZARD WASTE IN-DRUM COMPACTOR, EXPLOSION PROOF	5 HP	E		$9,269	2.30	0.55	0.79	0.15	0.15	167
			PIQUA ENGINEERING										

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
H13			***PIQUA ENGINEERING (continued)***										
	H13PI001	36LKDC	30 TON DRUM CRUSHER, MOBILE	18 HP	G		$10,117	3.66	0.58	0.83	0.17	1.30	19
	H13PI002	36LRDC	30 TON DRUM CRUSHER, MOBILE	8 HP	E		$10,477	2.43	0.60	0.86	0.17	0.23	19
	H13PI003	DC3036	30 TON DRUM CRUSHER	15 HP	E		$11,006	2.88	0.65	0.94	0.18	0.46	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		$262,947	47.57	13.22	17.53	4.45	1.53	220
	H13CF002	6-90-200	250 TON COMPACTOR CASK TYPE, CONTAINER: 72" x 46" x 47"	50 HP	E		$288,818	52.00	14.50	19.25	4.88	1.53	280
	H13CF003	6-90-300	375 TON COMPACTOR CASK TYPE, CONTAINER: 72" x 46" x 47"	50 HP	E		$340,226	60.83	17.09	22.68	5.75	1.53	320
			COMPACTING TECHNOLOGIES INTERNATIONAL										
	H13CO003	8550	85 TON HAZARD WASTE IN-DRUM COMPACTOR	3 HP	E		$17,660	3.43	0.89	1.18	0.30	0.09	270
	H13CO004	8560-C	85 TON HAZARD WASTE IN- DRUM COMPACTOR, WITH HEPA FILTER	3 HP	E		$32,848	6.28	1.66	2.19	0.56	0.09	290
	H13CO006	8560-R	85 TON HAZARD WASTE IN- DRUM COMPACTOR, WITH HEPA FILTER & SS PLATEN & CHAMBER	3 HP	E		$38,593	7.11	1.94	2.57	0.65	0.09	300
	H13CO005	8560-EXL	85 TON HAZARD WASTE IN- DRUM COMPACTOR, EXPLOSION PROOF, W/LIQUID REMOVAL SYSTEM	3 HP	E		$51,321	9.45	2.58	3.42	0.87	0.09	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		$47,812	9.69	2.73	3.82	0.82	0.00	112
	H13AY016	K/F 1200/25	25 CF CONVENTIONAL FILTER PRESS, 1000 MM SQ	50 CFM	A		$31,120	6.32	1.79	2.49	0.54	0.00	108
	H13AY013	L/S 1200/50	50 CF MEMBRANE FILTER PRESS, 1200 MM SQ	50 CFM	A		$81,091	16.45	4.63	6.49	1.39	0.00	173
	H13AY014	K/F 1200/50	50 CF CONVENTIONAL FILTER PRESS, 1200 MM SQ	50 CFM	A		$43,845	8.89	2.50	3.51	0.75	0.00	168

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

	REGION 8			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES ($/HR)		ADJUSTABLE ELEMENTS			
CAT	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	1996 ($)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
H13			***AVERY FILTER COMPANY (continued)***									
	H13AY011	L/S 1200/75	75 CF MEMBRANE FILTER PRESS, 1200 MM SQ	50 CFM A		$100,998	20.50	5.78	8.08	1.74	0.00	194
	H13AY012	K/F 1200/75	75 CF CONVENTIONAL FILTER PRESS, 1200 MM SQ	50 CFM A		$51,999	10.55	2.97	4.16	0.89	0.00	188
	H13AY009	L/S 1200/100	100 CF MEMBRANE FILTER PRESS, 1200 MM SQ	50 CFM A		$120,640	24.47	6.89	9.65	2.07	0.00	199
	H13AY010	K/F 1200/100	100 CF CONVENTIONAL FILTER PRESS, 1200 MM SQ	50 CFM A		$61,828	12.55	3.54	4.95	1.06	0.00	191
	H13AY007	L/S 1200/125	125 CF MEMBRANE FILTER PRESS, 1200 MM SQ	50 CFM A		$135,590	27.51	7.75	10.85	2.33	0.00	216
	H13AY008	K/F 1200/125	125 CF CONVENTIONAL FILTER PRESS, 1200 MM SQ	50 CFM A		$66,982	13.59	3.83	5.36	1.15	0.00	207
	H13AY017	L/S 1200/150	150 CF MEMBRANE FILTER PRESS, 1200 MM SQ	50 CFM A		$150,107	30.46	8.59	12.01	2.58	0.00	235
	H13AY018	K/F 1200/150	150 CF CONVENTIONAL FILTER PRESS, 1200 MM SQ	50 CFM A		$77,042	15.62	4.40	6.16	1.32	0.00	224
	H13AY019		FILTER PRESS PLATE SHIFTING UNIT, 1200 MM SQ, MECHANIZED	1 HP E		$9,813	2.30	0.57	0.79	0.17	0.03	5
	H13AY020	SLC-500	PLC CONTROL PANEL - PLATE SHIFTING, COMPUTER AUTOMATED	1 HP E		$12,698	2.88	0.73	1.02	0.22	0.03	2
			HYDROCAL									
	H13HR001	Model 1.0	1 METER, SS SLUDGE THICK/BELT PRESS COMBINATION	1 HP E		$49,086	10.24	2.81	3.93	0.84	0.02	20
	H13HR002	Model 1.5	1.5 METER, SS SLUDGE THICK/BELT PRESS COMBINATION	2 HP E		$54,044	11.19	3.09	4.32	0.93	0.05	25
			PERRIN, INC.									
	H13PR001	100S-800	25 CF STANDARD FILTER PRESS, 800MM X 800MM	3 HP E		$76,003	15.56	4.35	6.08	1.31	0.09	125
	H13PR003	100S-1200	113 CF STANDARD FILTER PRESS, 1200MM X 1200MM,	5 HP E		$139,625	28.57	7.98	11.17	2.40	0.15	460
	H13PR005	2005-1500	181 CF STANDARD FILTER PRESS, 1500MM X 1500MM	5 HP E		$193,523	39.51	11.07	15.48	3.33	0.15	680
	H13PR007	P4-200	370 CF MAXI FILTER PRESS, 1.5M X 20M	10 HP E		$433,080	88.37	24.77	34.65	7.45	0.31	1,100
	H13PR020	FBP 60	23.5" WIDE FILTER BELT PRESS, .75 HP	1 HP E		$88,021	17.90	5.03	7.04	1.51	0.03	33
	H13PR021	FBP 90	35.5" WIDE FILTER BELT PRESS, .75 HP	1 HP E		$90,520	18.42	5.18	7.24	1.56	0.03	33

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
H13			***PERRIN, INC. (continued)***										
	H13PR022	FBP 120	47" WIDE FILTER BELT PRESS, 1.5 HP	2 HP	E		$113,409	23.11	6.49	9.07	1.95	0.06	57
	H13PR023	FBP 160	63" WIDE FILTER BELT PRESS, 1.5 HP	1 HP	E		$120,511	24.50	6.89	9.64	2.07	0.03	33
	H13PR024	FBP 200	78.75" WIDE FILTER BELT PRESS, 2 HP	2 HP	E		$136,464	27.79	7.81	10.92	2.35	0.06	91
	H13PR025	FBP 250	98.5" WIDE FILTER BELT PRESS, 3 HP	3 HP	E		$151,822	30.95	8.69	12.15	2.61	0.09	113
	H13PR026	FBP 300	118" WIDE FILTER BELT PRESS, 3 HP	3 HP	E		$177,145	36.08	10.14	14.17	3.05	0.09	133
	H13PR027	PS 250	PUSHER SCREW PRESS, 7.5 HP	8 HP	E		$95,546	19.76	5.46	7.64	1.64	0.24	65
	H13PR028	PS 400	PUSHER SCREW PRESS, 10 HP	10 HP	E		$141,281	29.15	8.08	11.30	2.43	0.31	80
	H13PR029	PS 600	PUSHER SCREW PRESS, 15 HP	15 HP	E		$210,921	43.52	12.07	16.87	3.63	0.46	120
	H13PR030	PS 800	PUSHER SCREW PRESS, 20 HP	20 HP	E		$297,558	61.34	17.02	23.80	5.12	0.61	160
	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		$56,061	10.99	3.25	4.63	0.93	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		$39,385	7.72	2.25	3.21	0.65	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		$89,670	17.57	5.24	7.49	1.49	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		$52,424	10.28	3.03	4.32	0.87	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		$110,483	21.64	6.46	9.25	1.84	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		$61,485	12.05	3.56	5.09	1.02	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		$131,033	25.66	7.68	11.00	2.18	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		$72,221	14.15	4.20	6.00	1.20	0.00	211

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
H13			***AVERY FILTER COMPANY (continued)***										
	H13AY023	L/S 1200/125M	125 CF MEMBRANE FILTER PRESS, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK)	50 CFM	A		$146,889	28.76	8.62	12.35	2.44	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		$78,281	15.34	4.56	6.52	1.30	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		$160,916	31.50	9.44	13.54	2.67	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		$87,427	17.12	5.09	7.29	1.45	0.00	244
			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		$133,337	28.15	7.85	11.25	2.22	0.03	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		$84,065	18.11	4.90	7.01	1.40	0.09	145
	H13PR004	100S-1200M	113 CF STANDARD FILTER PRESS, 1200MM X 1200MM, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	5 HP	E		$151,867	31.47	8.90	12.77	2.52	0.15	480
	H13PR006	2005-1500M	181 CF STANDARD FILTER PRESS, 1500MM X 1500MM, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	5 HP	E		$209,641	42.77	12.32	17.68	3.48	0.15	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		$449,387	90.48	26.26	37.58	7.47	0.31	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		$97,445	20.64	5.70	8.15	1.62	0.03	53
	H13PR010	FBP-90-M	35.5" FILTER BELT PRESS, MOBILE, .75 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	1 HP	E		$99,944	21.13	5.84	8.36	1.66	0.03	53

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
H13			*PERRIN, INC. (continued)*										
	H13PR011	FBP 120-M	47" FILTER BELT PRESS, 1.5 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	2 HP	E		$123,834	25.85	7.26	10.39	2.06	0.06	77
	H13PR012	FBP 160-M	63" FILTER BELT PRESS, 1.5 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	2 HP	E		$131,332	27.32	7.70	11.03	2.18	0.06	77
	H13PR013	FBP 200-M	78.75" FILTER BELT PRESS, 2 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	2 HP	E		$147,889	30.55	8.68	12.43	2.46	0.06	111
	H13PR014	FBP 250-M	98.5" FILTER BELT PRESS, 3 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	3 HP	E		$164,246	33.79	9.64	13.82	2.73	0.09	133
	H13PR015	FBP 300-M	118" FILTER BELT PRESS, 3 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	3 HP	E		$189,569	38.75	11.14	15.98	3.15	0.09	153
	H13PR016	PS 250-M	PUSHER SCREW PRESS, MOBILE, 7.5 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	8 HP	E		$104,970	22.19	6.13	8.79	1.74	0.24	85
	H13PR017	PS 400-M	PUSHER SCREW PRESS, MOBILE, 10 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	10 HP	E		$151,706	31.44	8.90	12.76	2.52	0.31	100
	H13PR018	PS 600-M	PUSHER SCREW PRESS, MOBILE, 15 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	15 HP	E		$220,697	45.43	12.98	18.62	3.67	0.46	40
	H13PR019	PS 800-M	PUSHER SCREW PRESS, MOBILE, 20 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK)	20 HP	E		$309,983	63.13	18.26	26.21	5.15	0.61	180
	SUBCATEGORY 0.30		**CENTRIFUGES**										
			BOCK										
	H13BC013	GP 35	CENTRIFUGE, FIXED SPEED, TIMER, 35 LB DRY WT.	3 HP	E		$11,182	4.90	1.34	2.24	0.22	0.09	9
	H13BC010	305 TX	CENTRIFUGE, FIXED SPEED, TIMER, 35 LB DRY WT.	3 HP	E		$13,368	5.82	1.60	2.67	0.26	0.09	6
	H13BC012	GP 60	CENTRIFUGE, FIXED SPEED, TIMER, 60 LB DRY WT.	3 HP	E		$12,368	5.39	1.48	2.47	0.24	0.09	9
	H13BC006	605 TX	CENTRIFUGE, FIXED SPEED, TIMER, 60 LB DRY WT.	3 HP	E		$17,905	7.75	2.14	3.58	0.35	0.09	9
	H13BC011	GP 100	CENTRIFUGE, FIXED SPEED, TIMER, 100 LB DRY WT.	5 HP	E		$15,120	6.67	1.81	3.02	0.30	0.15	12
	H13BC003	GP 130	CENTRIFUGE, FIXED SPEED, TIMER, 130 LB DRY WT.	5 HP	E		$18,220	7.98	2.18	3.64	0.36	0.15	12

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
H13			***BOCK (continued)***										
	H13BC009	355	CENTRIFUGE, FIXED SPEED, MANUAL CONTROL, EXPLOSION PROOF, 35 LB	3 HP	E		$19,160	8.29	2.29	3.83	0.38	0.09	6
	H13BC007	655	CENTRIFUGE, FIXED SPEED, MANUAL CONTROL, EXPLOSION PROOF, 60 LB	3 HP	E		$22,861	9.86	2.74	4.57	0.45	0.09	9
	H13BC008	755	CENTRIFUGE, FIXED SPEED, MANUAL CONTROL, EXPLOSION PROOF, 100 LB	5 HP	E		$27,121	11.76	3.24	5.42	0.53	0.15	12
	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		$216,851	54.96	12.69	18.18	3.60	4.58	200
	H13MN002	62-40HT	MOBILE SHREDDER, TRAILER MOUNTED, WITH DIESEL GENERATOR SET, HOOK-TYPE INFEED FOR TIRES, & DISCHARGE CONVEYOR	200 HP	E		$265,742	68.45	15.56	22.27	4.42	6.11	300
	H13MN003	62-40HT	MOBILE SHREDDER, TRAILER MOUNTED, WITH DIESEL GENERATOR SET, CRANE GRAPPLE AND DISCHARGE CONVEYOR SYSTEM	200 HP	E		$269,057	70.13	15.75	22.55	4.47	6.11	300
	H13MN004	72-46HT	MOBILE SHREDDER, TRAILER MOUNTED, WITH DIESEL GENERATOR SET, CRANE GRAPPLE AND DISCHARGE CONVEYOR SYSTEM	300 HP	E		$377,363	98.25	22.15	31.76	6.27	9.16	400
			SHREAD-TECH LIMITED										
	H13SH001	ST-20	SHREDDER W/28"X14" CUTTING CHAMBR, .375" BLADE, 37"X38" HOPPER OPENING	20 HP	E		$35,139	8.21	2.08	2.99	0.58	0.61	20
	H13SH002	ST-20L	SHREDDER W/14"X36" CUTTING CHAMBR, .375" BLADE, 37"X46" HOPPER OPENING	20 HP	E		$32,440	7.66	1.92	2.76	0.54	0.61	23
	H13SH003	ST-50	SHREDDER W/42"X21" CUTTING CHAMBR, .625" BLADE, 40"X55" HOPPER OPENING, 2X40 HP	40 HP	E		$64,961	15.34	3.84	5.52	1.08	1.22	45
	H13SH004	ST-50L	SHREDDER W/52"X21" CUTTING CHAMBR, .625" BLADE, 40"X65" HOPPER OPENING, 2X40 HP	40 HP	E		$68,589	16.09	4.05	5.83	1.14	1.22	50

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
H13			***SHREAD-TECH LIMITED (continued)***										
	H13SH005	ST-100	SHREDDER W/63"X32" CUTTING CHAMBR, 1.875" BLD, 60"X70" HOPPER OPENING, 2X50 HP	100 HP	E		$117,458	29.03	6.94	9.98	1.95	3.06	200
	H13SH006	ST-500	SHREDDER W/43"X76" CUTTING CHAMBR, 2.75" BLD, 66"X96" HOPPER OPENING, 2X150 HP	300 HP	E		$375,134	91.79	22.19	31.89	6.24	9.16	420
	H13SH007	ST-500L	SHREDDER W/43"X96" CUTTING CHAMBR, 2.75" BLD, 66"X115" HOPPER OPENING, 2X300 HP	600 HP	E		$475,488	126.62	28.11	40.42	7.90	18.33	440
	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		$482,895	110.34	28.56	41.05	8.03	1.68	180
	SUBCATEGORY 0.61		**SLUDGE PROCESSING EQUIP, SLUDGE DISPENSERS**										
			CT ENVIROMENTAL SYSTEMS										
	H13CN001	SPD-10C	SLUDGE PROCESSING DISPENSER W/ 2 CU. YD. SLUDGE BIN, 1200 CU.FT. SILO, TRAILER MOUNTED	20 HP	E		$57,562	14.53	3.36	4.81	0.96	0.61	77
	H13CN002	SPD-30C	SLUDGE PROCESSING DISPENSER W/ 8 CU. YD. SLUDGE BIN, 2100 CU.FT. SILO, TRAILER MOUNTED	40 HP	E		$96,452	24.49	5.66	8.12	1.60	1.22	166
	H13CN003	SPD-50C	SLUDGE PROCESSING DISPENSER W/ 8 CU. YD. SLUDGE BIN, 2100 CU.FT. SILO, TRAILER MOUNTED	75 HP	E		$113,201	29.28	6.65	9.54	1.88	2.29	177
	SUBCATEGORY 0.71		**WASTE HANDLING EQUIPMENT, DRUM HANDLING**										
			BASCO										
	H13BB001	T55FLX	55 GAL TOP FILL DRUM FILLER	10 HP	E		$25,851	14.80	3.25	5.49	0.50	0.31	3
	H13BB002	MR3	60 DRUM/HR CAP INTERIOR DRUM CLEANER	15 HP	E		$32,441	18.73	4.06	6.89	0.62	0.46	25

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
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		$13,245	2.89	0.82	1.18	0.23	0.00	4
	H20BE002	FA2.5	AIR WINCH (ADD COMPRESSOR) MANUAL BRAKE, 24" DRUM, 5000 # CAPACITY,145 FPM	700 CFM A		$17,122	3.81	1.06	1.52	0.30	0.00	10
	H20BE003	FA5	AIR WINCH (ADD COMPRESSOR) MANUAL BRAKE, 24" DRUM, 10000 # CAPACITY,65 FPM	700 CFM A		$22,150	4.96	1.37	1.97	0.38	0.00	19
	H20BE004	FA10	AIR WINCH (ADD COMPRESSOR) AUTOMATIC BRAKE, 24" DRUM, 22000 # CAPACITY,30 FPM	800 CFM A		$32,936	7.34	2.04	2.93	0.57	0.00	35
			LTV ENERGY PRODUCTS									
	H20SK001	BU-18	DOUBLE DRUM WITH 5/8" CABLE	100 HP D-off		$105,834	26.20	6.54	9.41	1.84	3.04	85
	H20SK002	G-70	DOUBLE DRUM WITH 7/8" CABLE	100 HP D-off		$143,096	34.05	8.84	12.72	2.48	3.04	126
	H20SK003	RB-80	DOUBLE DRUM WITH 1-1/8" CABLE	130 HP D-off		$220,403	51.50	13.62	19.59	3.82	3.95	240
	H20SK004	RB-90W	DOUBLE DRUM WITH 1-3/8" CABLE	150 HP D-off		$260,782	60.77	16.11	23.18	4.52	4.55	300
H25	**HYDRAULIC EXCAVATORS, CRAWLER MOUNTED**											
	SUBCATEGORY 0.11		**0 LBS THRU 40,000 LBS**									
			CATERPILLAR, INC.									
	H25CA020	311-B	24,640 LBS, 0.60 CY BUCKET	79 HP D-off		$98,398	20.75	5.44	7.38	1.75	2.40	238
	H25CA021	312-B	27,500 LBS, 0.68 CY BUCKET	84 HP D-off		$105,532	22.21	5.83	7.91	1.87	2.55	269
			CASE CORPORATION									
	H25CS004	9010B	27,940 LBS, 0.92 CY BUCKET	100 HP D-off		$123,848	26.14	6.84	9.29	2.20	3.04	273
	H25CS005	9020B	34,980 LBS, 0.92 CY BUCKET	103 HP D-off		$146,056	30.16	8.06	10.95	2.59	3.13	361

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			HITACHI CONSTRUCTION MACHINERY									
	H25HI002	EX100WD	23,540 LBS, 0.40 CY BUCKET	108 HP D-off		$161,851	33.16	8.94	12.14	2.87	3.28	240
	H25HI001	EX100-3	23,540 LBS, 0.60 CY BUCKET	72 HP D-off		$129,558	25.92	7.16	9.72	2.30	2.19	192
	H25HI003	EX150	31,900 LBS, 0.82 CY BUCKET	95 HP D-off		$158,515	32.00	8.76	11.89	2.81	2.88	256
			HYUNDIA CONSTRUCTION EQUIPMENT									
	H25HU001	ROBEX 130LC-3	30,400 LBS, 0.78 CY BUCKET	101 HP D-off		$101,167	22.20	5.59	7.59	1.79	3.07	291
			DEERE & COMPANY									
	H25JD013	490E	26,800 LBS, 0.79 CY BUCKET	85 HP D-off		$118,886	24.60	6.57	8.92	2.11	2.58	237
	H25JD020	120	26,800 LBS, 0.34 CY BUCKET	90 HP D-off		$118,748	24.80	6.56	8.91	2.11	2.73	268
	H25JD006	590D	33,220 LBS, 0.640 CY BUCKET	95 HP D-off		$132,687	27.46	7.32	9.95	2.35	2.88	325
	H25JD014	595D	36,880 LBS, 0.75 CY BUCKET	95 HP D-off		$195,600	38.51	10.81	14.67	3.47	2.88	353
			KOBELCO AMERICA, INC.									
	H25KC003	SK015 SR	3,680 LBS, 0.06 CY BUCKET, W/BLADE	14 HP D-off		$29,066	5.73	1.61	2.18	0.52	0.43	37
	H25KC004	SK025 SR	5,830 LBS, 0.10 CY BUCKET, W/BLADE	21 HP D-off		$39,782	7.91	2.20	2.98	0.71	0.64	58
	H25KC005	SK035 SR	7,700 LBS, 0.14 CY BUCKET	26 HP D-off		$45,631	9.15	2.52	3.42	0.81	0.79	77
	H25KC014	SK70 SR	14,740 LBS, 0.37 CY BUCKET, W/BLADE	54 HP D-off		$84,668	17.23	4.67	6.35	1.50	1.64	164
	H25KC007	SK115DZ-LC MAR	28,400 LBS, 0.52 CY BUCKET, W/BLADE	86 HP D-off		$89,410	19.48	4.95	6.71	1.59	2.61	284
	H25KC008	SK150LC MARKIV	35,800 LBS, 0.69 CY BUCKET	103 HP D-off		$129,791	27.31	7.17	9.73	2.30	3.13	358
			KOMATSU DRESSER COMPANY									
	H25KM001	PC 120-6	26,400 LBS, 0.75 CY BUCKET	84 HP D-off		$145,378	29.21	8.03	10.90	2.58	2.55	266
			KUBOTA TRACTOR CORPORATION									
	H25KU001	KX-41-2	3,679 LBS, 0.05 CY BUCKET	22 HP D-off		$25,214	5.40	1.40	1.89	0.45	0.67	37
	H25KU002	KX-61-2	5,963 LBS, 0.09 CY BUCKET	27 HP D-off		$31,669	6.75	1.75	2.38	0.56	0.82	62
	H25KU003	KX-91-2	7,143 LBS, 0.14 CY BUCKET	28 HP D-off		$37,283	7.75	2.06	2.80	0.66	0.83	74
	H25KU012	KX-121-2	8,477 LBS, 0.16 CY BUCKET	43 HP D-off		$42,510	9.36	2.34	3.19	0.75	1.31	88
	H25KU004	KX-161-2	12,048 LBS, 0.17 CY BUCKET	43 HP D-off		$57,865	12.06	3.20	4.34	1.03	1.31	120

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			LINK BELT CONSTRUCTION COMPANY									
	H25LB001	LS-1600	14,990 LBS, 0.45 CY BUCKET	58 HP D-off		$86,855	17.79	4.79	6.51	1.54	1.76	168
	H25LB002	LS-2650	18,080 LBS, 0.63 CY BUCKET	87 HP D-off		$116,156	24.21	6.42	8.71	2.06	2.64	272
	H25LB003	LS-2700	35,240 LBS, 1.00 CY BUCKET	100 HP D-off		$137,251	28.48	7.57	10.29	2.43	3.04	341
			SAMSUNG CONSTRUCTION EQUIPMENT									
	H25SS005	SE130LC-2	28,660 LBS, 0.52-0.85 CY BUCKET	99 HP D-off		$103,688	22.57	5.73	7.78	1.84	3.01	300
			TAKEUCHI									
	H25TK001	TB007	1,667 LBS, 0.03 CY BUCKET	8 HP D-off		$19,632	3.80	1.09	1.47	0.35	0.24	17
	H25TK002	TB015	3,418 LBS, 0.05 CY BUCKET	16 HP D-off		$26,705	5.39	1.47	2.00	0.47	0.49	34
	H25TK004	TB025	5,958 LBS, 0.09 CY BUCKET	26 HP D-off		$33,832	7.08	1.87	2.54	0.60	0.79	60
	H25TK005	TB035	7,625 LBS, 0.13 CY BUCKET	33 HP D-off		$39,399	8.36	2.17	2.95	0.70	1.00	76
	H25TK006	TB045	10,092 LBS, 0.19 CY BUCKET	43 HP D-off		$56,094	11.75	3.11	4.21	1.00	1.31	101
	H25TK007	TB070	16,050 LBS, 0.33 CY BUCKET	56 HP D-off		$78,017	16.15	4.30	5.85	1.38	1.70	161
	SUBCATEGORY 0.12		**OVER 40,000 LBS THRU 100,000 LBS**									
			CATERPILLAR, INC.									
	H25CA022	320-B	42,460 LBS, 1.50 CY BUCKET	128 HP D-off		$187,617	36.12	9.43	12.51	3.17	3.89	392
	H25CA023	320 BL	45,320 LBS, 0.80 CY BUCKET, REACH BOOM	128 HP D-off		$208,987	39.58	10.49	13.93	3.53	3.89	490
	H25CA025	325 BL	61,820 LBS, 1.75 CY BUCKET, REACH BOOM	168 HP D-off		$261,795	49.92	13.15	17.45	4.43	5.10	615
	H25CA027	330 BL	77,220 LBS, 2.09 CY BUCKET, MASS BOOM	222 HP D-off		$315,556	61.03	15.86	21.04	5.34	6.74	757
			CASE CORPORATION									
	H25CS006	9030B	44,440 LBS, 1.30 CY BUCKET	128 HP D-off		$177,139	34.42	8.91	11.81	3.00	3.89	443
	H25CS007	9040B	53,020 LBS, 1.82 CY BUCKET	162 HP D-off		$228,419	44.24	11.48	15.23	3.86	4.92	528
	H25CS008	9050B	71,200 LBS, 2.74 CY BUCKET	240 HP D-off		$278,836	55.85	14.00	18.59	4.71	7.29	714
	H25CS009	9060B	99,660 LBS, 4.17 CY BUCKET	300 HP D-off		$419,267	81.31	21.06	27.95	7.09	9.11	1,000
			FIATALLIS									
	H25FI012	FX240 LC	54,674 LBS, 1.85 CY BUCKET	165 HP D-off		$165,653	34.16	8.32	11.04	2.80	5.01	517

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			REGION 8									
H25			*FIATALLIS (continued)*									
	H25FI013	FX270 LC	59,304 LBS, 1.85 CY BUCKET	188 HP D-off		$181,269	37.72	9.11	12.08	3.07	5.71	583
	H25FI014	FX350 LC	78,925 LBS, 2.35 CY BUCKET	215 HP D-off		$229,840	46.80	11.55	15.32	3.89	6.53	759
			HITACHI CONSTRUCTION MACHINERY									
	H25HI005	EX200LC-3	43,120 LBS, 1.05 CY BUCKET	132 HP D-off		$205,676	39.22	10.34	13.71	3.48	4.01	359
	H25HI009	EX270	57,200 LBS, 1.50 CY BUCKET	161 HP D-off		$275,060	51.78	13.82	18.34	4.65	4.89	463
	H25HI010	EX270LC	60,500 LBS,1.50 CY BUCKET, LONG CARRIAGE	161 HP D-off		$284,931	53.39	14.32	19.00	4.82	4.89	496
	H25HI011	EX400-3	90,200 LBS, 2.38 CY BUCKET	296 HP D-off		$466,258	88.77	23.42	31.08	7.88	8.99	908
	H25HI012	EX400LC-3	96,800 LBS,2.38 CY BUCKET, LONG CARRIAGE	296 HP D-off		$484,899	91.81	24.36	32.33	8.20	8.99	970
			HYUNDIA CONSTRUCTION EQUIPMENT									
	H25HU002	ROBEX 180LC-3	39,600 LBS,1.35 CY BUCKET, LONG CARRIAGE	126 HP D-off		$123,871	25.67	6.22	8.26	2.09	3.83	396
	H25HU003	ROBEX 290LC-3	64,200 LBS,2.09 CY BUCKET, LONG CARRIAGE	183 HP D-off		$169,584	35.61	8.53	11.31	2.87	5.56	622
	H25HU004	ROBEX 320LC-3	70,330 LBS,2.22 CY BUCKET, LONG CARRIAGE	230 HP D-off		$198,793	42.40	9.98	13.25	3.36	6.98	697
	H25HU005	ROBEX 450LC-3	97,870 LBS,3.14 CY BUCKET, LONG CARRIAGE	297 HP D-off		$245,703	52.97	12.34	16.38	4.15	9.02	979
			DEERE & COMPANY									
	H25JD021	200 LC	44,660 LBS, 0.95 CY BUCKET	140 HP D-off		$175,167	34.61	8.80	11.68	2.96	4.25	448
	H25JD015	690E-LC	45,100 LBS, 1.12 CY BUCKET	130 HP D-off		$167,075	32.88	8.40	11.14	2.83	3.95	428
	H25JD016	790E-LC	51,700 LBS, 1.34 CY BUCKET	155 HP D-off		$211,407	41.16	10.62	14.09	3.57	4.71	491
	H25JD017	792D-LC	60,060 LBS, 1.75 CY BUCKET	165 HP D-off		$234,589	45.37	11.79	15.64	3.97	5.01	603
	H25JD018	892E-LC	67,320 LBS, 2.30 CY BUCKET	220 HP D-off		$267,903	53.20	13.46	17.86	4.53	6.68	638
	H25JD019	992E-LC	97,460 LBS, 2.30 CY BUCKET	285 HP D-off		$412,153	79.50	20.71	27.48	6.97	8.65	976
			KOBELCO AMERICA, INC.									
	H25KC009	SK200LC MARKIV	45,760 LBS, 1.06 CY BUCKET	141 HP D-off		$174,019	34.46	8.74	11.60	2.94	4.28	459
	H25KC010	SK220LC MARKIV	55,660 LBS, 1.36 CY BUCKET	175 HP D-off		$202,161	40.53	10.16	13.48	3.42	5.31	558
	H25KC011	SK300LC MARKIV	73,040 LBS, 1.83 CY BUCKET	238 HP D-off		$286,586	57.04	14.40	19.11	4.85	7.23	733

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
H25			*KOBELCO AMERICA, INC. (continued)*										
	H25KC012	SK400LC MARKIV	100,760 LBS, 2.35 CY BUCKET	306 HP	D-off		$387,642	76.42	19.47	25.84	6.55	9.29	1,009
			KOMATSU DRESSER COMPANY										
	H25KM003	PC 200 LC-6	46,860 LBS, 1.00 CY BUCKET	133 HP	D-off		$216,507	41.03	10.88	14.43	3.66	4.04	470
	H25KM004	PC 220 LC-6	53,020 LBS,1.50 CY BUCKET, LONG CARRIAGE	158 HP	D-off		$246,682	47.04	12.40	16.45	4.17	4.80	532
	H25KM005	PC 300 LC-5	68,640 LBS,1.88 CY BUCKET, LONG CARRAIGE	207 HP	D-off		$335,053	63.54	16.84	22.34	5.67	6.28	1,047
			LINK BELT CONSTRUCTION COMPANY										
	H25LB004	LS-2800	44,440 LBS, 1.25 CY BUCKET	125 HP	D-off		$167,464	32.69	8.41	11.16	2.83	3.79	393
	H25LB005	LS-3400	53,020 LBS, 1.50 CY BUCKET	153 HP	D-off		$211,412	41.07	10.62	14.09	3.57	4.65	533
	H25LB006	LS-4300	73,570 LBS, 2.125 CY BUCKET	214 HP	D-off		$259,744	51.62	13.05	17.32	4.39	6.50	695
	H25LB007	LS-5800	99,440 LBS, 2.75 CY BUCKET	280 HP	D-off		$391,989	75.99	19.70	26.13	6.63	8.50	967
			SAMSUNG CONSTRUCTION EQUIPMENT										
	H25SS006	SE210LC-3	44,100 LBS, 1.38 CY BUCKET	143 HP	D-off		$156,682	31.74	7.88	10.45	2.65	4.34	467
	H25SS007	SE280LC-2	49,970 LBS, 2.03 CY BUCKET	178 HP	D-off		$203,863	40.94	10.25	13.59	3.45	5.40	660
	H25SS008	SE350LC-2	77,600 LBS, 2.45 CY BUCKET	247 HP	D-off		$245,944	50.82	12.36	16.40	4.16	7.50	813
	SUBCATEGORY 0.13		**OVER 100,000 LBS THRU 160,000 LBS**										
			CATERPILLAR, INC.										
	H25CA029	350 L	110,880 LBS, 3.50 CY BUCKET, MASS BOOM	286 HP	D-off		$471,726	74.82	18.63	22.28	7.49	8.68	1,050
	H25CA030	375	169,180 LBS, 5.00 CY BUCKET	428 HP	D-off		$772,143	120.91	30.48	36.46	12.25	12.99	1,735
			HITACHI CONSTRUCTION MACHINERY										
	H25HI020	EX1800-2	145,640 LBS, 12.40 CY BUCKET	1,000 HP	D-off		$1,541,538	246.97	60.86	72.79	24.46	30.36	3,900
	H25HI019	EX700	146,080 LBS, 3.79 CY BUCKET	414 HP	D-off		$825,721	127.64	32.59	38.99	13.10	12.57	1,510
			KOBELCO AMERICA, INC.										
	H25KC015	SK400LC MARKIV	100,760 LBS, 5.00 CY BUCKET	306 HP	D-off		$410,472	67.27	16.20	19.38	6.51	9.29	1,075

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			KOMATSU DRESSER COMPANY									
	H25KM006	PC 650-5	148,060 LBS, 3.50 CY BUCKET	404 HP D-off		$787,539	122.11	31.09	37.19	12.50	12.27	1,547
	SUBCATEGORY 0.14		**OVER 160,000 LBS**									
			CATERPILLAR, INC.									
	H25CA031	375 L	167,070 LBS, 6.00 CY BUCKET, MASS BOOM	428 HP D-off		$809,933	131.65	31.98	38.25	12.85	12.99	1,814
			HITACHI CONSTRUCTION MACHINERY									
	H25HI021	EX3500-2	726,000 LBS, 22.20 CY BUCKET	1,760 HP D-off		$3,335,235	542.06	131.68	157.50	52.93	53.43	7,280
			KOMATSU DRESSER COMPANY									
	H25KM008	PC 1000 SE-1	183,700 LBS, 7.50 CY BUCKET	542 HP D-off		$1,185,444	189.42	46.80	55.98	18.81	16.46	2,004
	H25KM007	PC 1000 LC-1	227,260 LBS, 5.60 CY BUCKET	542 HP D-off		$1,182,065	188.94	46.67	55.82	18.76	16.46	2,115
			O & K									
	H25OK001	RH 30 E	169,400 LBS, 6.90 CY BUCKET	400 HP D-off		$650,346	107.91	25.68	30.71	10.32	12.14	1,732
	SUBCATEGORY 0.21		**ATTACHMENTS, MOBILE SHEARS**									
			LABOUNTY									
	H25LU001	MSD 7	MOBILE SHEAR - 10" OPENING, 4' 7" REACH (ADD .10 CY EXCAVATOR)			$17,675	6.32	1.56	2.50	0.31	0.00	10
	H25LU002	MSD 7R	ROTATING MOBILE SHEAR - 10" OPENING, 5' 0" REACH (ADD .20 CY EXCAVATOR)			$23,746	8.46	2.10	3.36	0.42	0.00	11
	H25LU003	MSD 15	MOBILE SHEAR - 18" OPENING, 6' 6" REACH (ADD .35 CY EXCAVATOR)			$37,285	13.31	3.30	5.28	0.66	0.00	30
	H25LU004	MSD 15R	ROTATING MOBILE SHEAR - 18" OPENING, 8' 6" REACH (ADD .40 CY EXCAVATOR)			$47,706	16.91	4.23	6.76	0.85	0.00	35
	H25LU005	MSD 30	MOBILE SHEAR - 22" OPENING, 7' 0" REACH (ADD .50 CY EXCAVATOR)			$50,820	18.15	4.50	7.20	0.90	0.00	60
	H25LU006	MSD 30R	ROTATING MOBILE SHEAR - 22" OPENING, 10' 4" REACH (ADD .88 CY EXCAVATOR)			$75,316	26.78	6.67	10.67	1.34	0.00	60
	H25LU007	MSD 40-III	MOBILE SHEAR - 27" OPENING, 8' 6" REACH (ADD 1.0 CY EXCAVATOR)			$61,663	22.10	5.47	8.74	1.10	0.00	68

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
H25			*LABOUNTY (continued)*									
	H25LU008	MSD 40R-III	ROTATING MOBILE SHEAR - 27" OPENING, 12' 6" REACH (ADD 1.25 CY EXCAVATOR)			$85,541	30.31	7.58	12.12	1.52	0.00	87
	H25LU009	MSD 50-III	MOBILE SHEAR - 32" OPENING, 9' 0" REACH (ADD 1.25 CY EXCAVATOR)			$89,098	31.60	7.89	12.62	1.58	0.00	105
	H25LU010	MSD 50R-III	ROTATING MOBILE SHEAR - 32" OPENING, 13' 4" REACH (ADD 1.6 CY EXCAVATOR)			$111,606	39.45	9.88	15.81	1.98	0.00	120
	H25LU011	MSD 70-III	MOBILE SHEAR - 35" OPENING, 10' 4" REACH (ADD 1.75 CY EXCAVATOR)			$106,785	37.84	9.46	15.13	1.90	0.00	127
	H25LU012	MSD 70R-III	ROTATING MOBILE SHEAR - 35" OPENING, 14' 4" REACH (ADD 2.0 CY EXCAVATOR)			$135,370	47.94	12.00	19.18	2.41	0.00	149
	H25LU013	MSD 100-III	MOBILE SHEAR - 38" OPENING, 11' 6" REACH (ADD 2.3 CY EXCAVATOR)			$135,649	48.13	12.02	19.22	2.41	0.00	149
	H25LU014	MSD 100R-III	ROTATING MOBILE SHEAR - 38" OPENING 16' 0" REACH (ADD 2.5 CY EXCAVATOR)			$163,369	57.82	14.47	23.14	2.90	0.00	175
	H25LU015	MSD 140	MOBILE SHEAR - 44" OPENING, 13' 10' REACH (ADD 3.0 CY EXCAVATOR)			$151,497	53.84	13.42	21.46	2.69	0.00	195
	H25LU016	MSD 140R	ROTATING MOBILE SHEAR - 44" OPENING, 18' 6" REACH (ADD 3.6 CY EXCAVATOR)			$186,424	66.16	16.52	26.41	3.31	0.00	245
	SUBCATEGORY 0.22		**ATTACHMENTS, MATERIAL HANDLING**									
			BALDERSON, INC.									
	H25BS001		0.50 CY BUCKET, SHOVEL/BACKHOE, W/TIPS			$4,096	1.26	0.35	0.55	0.07	0.00	10
	H25BS002		0.75 CY BUCKET, SHOVEL/BACKHOE, W/TIPS			$4,743	1.46	0.41	0.63	0.09	0.00	16
	H25BS003		1.25 CY BUCKET, SHOVEL/BACKHOE, W/TIPS			$5,184	1.59	0.43	0.69	0.09	0.00	30
	H25BS004		1.50 CY BUCKET, SHOVEL/BACKHOE, W/TIPS			$6,367	1.97	0.54	0.85	0.12	0.00	22
	H25BS005		3.25 CY BUCKET, SHOVEL/BACKHOE, W/TIPS			$9,931	3.06	0.84	1.32	0.18	0.00	52
			LABOUNTY									
	H25LU023	100 TR	1.25 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM (ADD .50 CY EXCAVATOR)			$9,843	3.28	0.83	1.31	0.18	0.00	18
	H25LU024	110 TR	3.50 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM (ADD .88 CY EXCAVATOR)			$14,369	4.73	1.22	1.92	0.26	0.00	27

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

	REGION 8			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES ($/HR)		ADJUSTABLE ELEMENTS			
CAT	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	1996 ($)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
H25			*LABOUNTY (continued)*									
	H25LU025	120 TR	3.50 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM (ADD 1.25 CY EXCAVATOR)			$17,761	5.87	1.51	2.37	0.32	0.00	35
	H25LU026	140 TR	5.50 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM (ADD 1.6 CY EXCAVATOR)			$20,321	6.76	1.73	2.71	0.37	0.00	49
	H25LU027	160 TR	6.50 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM (ADD 2.3 CY EXCAVATOR)			$22,831	7.64	1.94	3.04	0.42	0.00	60
	H25LU028	170 TR	9.00 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM (ADD 3.0 CY EXCAVATOR)			$29,354	9.75	2.50	3.91	0.54	0.00	80
	H25LU029	RB 80	ROTATING BARREL HANDLER (ADD EXCAVATOR)			$23,006	7.49	1.95	3.07	0.42	0.00	17
	H25LU030	RBC 80	ROTATING BARREL HANDLER/CRUSHER (ADD 1.0 CY EXCAVATOR)			$35,553	11.56	3.02	4.74	0.65	0.00	21
	H25LU031	MD 30	MATERIAL DENSIFIER - 50,000 LB. (ADD 1.25 CY EXCAVATOR)			$58,737	19.30	4.99	7.83	1.07	0.00	60
	H25LU032	MD 50	MATERIAL DENSIFIER - 70,000 LB. (ADD 1.75 CY EXCAVATOR)			$70,409	23.11	5.99	9.39	1.29	0.00	90
	H25LU033	R80	0.75 CY ROTATING GRAPPLE (ADD 0.88 CY EXCAVATOR)			$31,937	10.44	2.71	4.26	0.58	0.00	22
	H25LU034	R100	1.00 CY ROTATING GRAPPLE (ADD 1.25 CY EXCAVATOR)			$43,039	14.07	3.66	5.74	0.79	0.00	40
	H25LU035	R110	1.25 CY ROTATING GRAPPLE (ADD 1.75 CY EXCAVATOR)			$45,763	15.01	3.89	6.10	0.84	0.00	64
	H25LU036	R120	2.00 CY ROTATING GRAPPLE (ADD 2.30 CY EXCAVATOR)			$48,421	15.93	4.11	6.46	0.88	0.00	84
			WAIN-ROY, INC.									
	H25WN001		36" PAVEMENT-REMOVAL BUCKET (ADD 200 HP HYD EXCAVATOR)			$10,659	3.28	0.90	1.42	0.19	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			$26,988	10.08	2.39	3.82	0.48	0.00	16
	H25KN002	KHB15G 11	HYDRA RAM, 3000 LB W/POINT FOR 13-18 TON EXCAVATOR			$37,348	13.76	3.31	5.29	0.66	0.00	29
	H25KN003	KHB20G 11	HYDRA RAM, 4000 LB W/POINT FOR 18-25 TON EXCAVATOR			$45,660	16.71	4.04	6.47	0.81	0.00	40

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

	REGION 8			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES ($/HR)		ADJUSTABLE ELEMENTS			
CAT	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	1996 ($)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
H25			***KENT DEMOLITION TOOLS (continued)***									
	H25KN004	KHB30G 11	HYDRA RAM, 5000 LB W/POINT FOR 25-32 TON EXCAVATOR			$59,241	21.53	5.25	8.39	1.05	0.00	46
	H25KN005	KHB40G 11	HYDRA RAM, 7000 LB W/POINT FOR 32-44 TON EXCAVATOR			$74,495	27.45	6.60	10.55	1.32	0.00	60
	H25KN006	KHB50G 11	HYDRA RAM, 10,000 LB W/POINT FOR OVER 44 TON EXCAVATOR			$105,642	38.52	9.37	14.97	1.88	0.00	87
			LABOUNTY									
	H25LU045	CP 30	CONCRETE PULVERIZER - 14.5" THICK CONCRETE (ADD 0.75 CY EXCAVATOR)			$20,185	7.67	1.79	2.86	0.36	0.00	21
	H25LU046	CP 40	CONCRETE PULVERIZER - 24" THICK CONCRETE (ADD 1.0 CY EXCAVATOR)			$21,615	8.17	1.91	3.06	0.38	0.00	23
	H25LU047	CP 60	CONCRETE PULVERIZER - 30" THICK CONCRETE (ADD 1.75 CY EXCAVATOR)			$25,111	9.52	2.23	3.56	0.45	0.00	26
	H25LU048	CP 80	CONCRETE PULVERIZER - 36" THICK CONCRETE (ADD 2.0 CY EXCAVATOR)			$27,900	10.61	2.48	3.95	0.50	0.00	37
	H25LU049	CP 100	CONCRETE PULVERIZER - 42" THICK CONCRETE (ADD 3.0 CY EXCAVATOR)			$33,780	12.80	3.00	4.79	0.60	0.00	49
	H25LU050	CP 120	CONCRETE PULVERIZER - 48" THICK CONCRETE (ADD 3.5 CY EXCAVATOR)			$41,244	15.54	3.65	5.84	0.73	0.00	78
	H25LU040	UP 50	UNIVERSAL PROCESSOR W/ CONCRETE PULVERIZER JAWS - 36" OPENING, 12' 6" REACH (ADD 1.25 CY EXCAVATOR)			$82,851	30.17	7.34	11.74	1.47	0.00	82
	H25LU041	UP 70	UNIVERSAL PROCESSOR W/ CONCRETE PULVERIZER JAWS - 48.25" OPENING, 14' 0" REACH (ADD 1.60 CY EXCAVATOR)			$105,080	38.07	9.32	14.89	1.87	0.00	97
	H25LU042	UP 90	UNIVERSAL PROCESSOR W/ CONCRETE PULVERIZER JAWS - 62" OPENING, 13' 0" REACH (ADD 2.30 CY EXCAVATOR)			$127,547	46.80	11.31	18.07	2.27	0.00	166
	H25LU053	UP 50	UNIVERSAL PROCESSOR W/ DEMOLITION COMBO STEEL & CONCRETE JAW, 41" OPENING 12' 6" REACH (ADD 1.25 CY EXCAVATOR)			$93,979	34.12	8.32	13.31	1.67	0.00	96
	H25LU054	HP 70	UNIVERSAL PROCESSOR W/ STEEL PLATE SHEAR JAW, 21" OPENING 14' 0" REACH (ADD 1.60 CY EXCAVATOR)			$115,710	41.84	10.26	16.39	2.06	0.00	126

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	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			$5,930	2.11	0.53	0.84	0.11	0.00	21
	H25AX003	DC-24EX	23" WIDE, SHEEPS FOOT ROLLER, 3 RIMS FOR 25-37.5 TON EXCAVATOR			$7,305	2.59	0.65	1.03	0.13	0.00	31
	H25AX005	DC-24EXL	24" WIDE, SHEEPS FOOT ROLLER, 3 RIMS FOR 37.5-55 TON EXCAVATOR			$8,023	2.85	0.71	1.14	0.14	0.00	35
	H25AX002	DC-36BL	35" WIDE, SHEEPS FOOT ROLLER, 4 RIMS FOR 12.5-25 TON EXCAVATOR			$6,461	2.29	0.57	0.92	0.11	0.00	25
	H25AX004	DC-36EX	35" WIDE, SHEEPS FOOT ROLLER, 4 RIMS FOR 25-37.5 TON EXCAVATOR			$8,336	2.96	0.74	1.18	0.15	0.00	37
	H25AX006	DC-36EXL	36" WIDE, SHEEPS FOOT ROLLER, 4 RIMS FOR 37.5-55 TON EXCAVATOR			$9,087	3.23	0.81	1.29	0.16	0.00	43
			KENT DEMOLITION TOOLS									
	H25KN007	KHP-30	SOIL COMPACTOR & SHEET DRIVER IMPULSE FORCE - 3,000 LBS			$3,795	1.50	0.34	0.54	0.07	0.00	4
	H25KN009	KHP-135	SOIL COMPACTOR & SHEET DRIVER IMPULSE FORCE - 13,500 LBS			$7,707	2.89	0.69	1.09	0.14	0.00	14
	H25KN010	KHP-210	SOIL COMPACTOR & SHEET DRIVER IMPULSE FORCE - 20,000 LBS			$11,500	4.23	1.01	1.63	0.20	0.00	23
H30	**HYDRAULIC EXCAVATORS, WHEEL MOUNTED**											
	SUBCATEGORY 0.01		**0 THRU 1.0 CY**									
			CATERPILLAR, INC.									
	H30CA005	M318	1.00 CY BUCKET, 4X4	128 HP D-off		$181,721	40.14	12.11	17.83	3.20	3.65	337
			GRADALL COMPANY									
	H30GA001	G3W	0.500 CY BUCKET, 4X4	125 HP D-off	205 HP D-on	$162,309	38.28	10.81	15.92	2.85	5.00	380
	H30GA003	G3WD	0.625 CY BUCKET, 4X2,TELESCOPIC BOOM	37 HP D-off	190 HP D-on	$148,848	31.96	9.94	14.63	2.62	2.39	340
	H30GA004	G3WD	0.625 CY BUCKET, 4X4,TELESCOPIC BOOM	37 HP D-off	190 HP D-on	$164,677	35.00	10.99	16.17	2.90	2.39	347
	H30GA006	XL4100	0.750 CY BUCKET, 6X4,TELESCOPIC BOOM	145 HP D-off	200 HP D-on	$241,476	54.23	16.12	23.73	4.25	5.54	451

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.02		**OVER 1.0 CY**									
			MORROW EQUIPMENT COMPANY									
	H30LH001	A902	0.75 CY BUCKET, 4X4	99 HP D-off		$146,416	29.43	8.48	12.11	2.43	2.82	397
H35	**HYDRAULIC SHOVELS, CRAWLER MOUNTED**											
	SUBCATEGORY 0.12		**DIESEL, OVER 5.0 CY**									
			HITACHI CONSTRUCTION MACHINERY									
	H35HI004	EX700	5.23 CY BUCKET, SHOVEL	414 HP D-off		$903,957	158.83	38.47	48.02	14.46	12.57	1,588
	H35HI002	EX1800-2	13.50 CY BUCKET, SHOVEL	1,000 HP D-off		$1,620,561	294.77	68.97	86.09	25.93	30.36	3,900
	H35HI003	EX3500-2	23.50 CY BUCKET, SHOVEL	1,760 HP D-off		$3,335,621	595.13	141.97	177.20	53.37	53.43	7,360
			O & K									
	H35OK001	RH 40 E	9.20 CY BUCKET, SHOVEL	496 HP D-off		$885,227	159.06	37.67	47.03	14.16	15.06	2,204
	H35OK003	RH 90 C	13.10 CY BUCKET, SHOVEL	856 HP D-off		$1,645,039	293.04	70.02	87.39	26.32	25.99	3,484
	H35OK004	RH 120 C	17.00 CY BUCKET, SHOVEL	1,150 HP D-off		$2,275,226	403.97	96.84	120.87	36.40	34.91	4,895
	H35OK005	RH 200	34.00 CY BUCKET, SHOVEL	2,060 HP D-off		$4,842,705	844.74	206.12	257.27	77.48	62.54	10,582
L10	**LAND CLEARING EQUIPMENT**											
	SUBCATEGORY 0.00		**LAND CLEARING EQUIPMENT**									
			BALDERSON, INC.									
	L10BS002	BMA8	MULTIAPPLICATION RAKE (FOR D8N TRACTOR)			$23,314	5.03	1.34	1.87	0.40	0.00	68
	L10BS004	BBL7	BLADE RAKE (FOR D7H TRACTOR)			$8,048	1.88	0.46	0.64	0.14	0.00	24
	L10BS005	BRK8	ROCK & ROOT RAKE (FOR D8N TRACTOR)			$21,333	4.63	1.23	1.71	0.37	0.00	72
	L10BS006	RV8N	V-TREE CUTTER (FOR D8N TRACTOR)			$33,736	7.24	1.93	2.70	0.58	0.00	133
	L10BS007	988 DTC	LOGGING FORK (FOR 988B LOADER)			$29,979	6.58	1.72	2.40	0.52	0.00	90
			BUSH HOG									

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
L10			***BUSH HOG (continued)***									
	L10BU009	FH174	FLAIL MOWER, 62" WIDE,0.5-5"HT, 2"CAP (ADD 30-60 HP TRACTOR)			$4,022	1.71	0.23	0.32	0.07	0.00	10
	L10BU005	SM-60	ROTARY CUTTER, 5' WIDTH, MIN TRACTOR LIFT CAP - 3200# @ 24", SIDE MOUNT			$6,569	2.43	0.38	0.53	0.11	0.00	17
	L10BU010	278RP	ROTARY CUTTER, 8' WIDTH, 2.5"-12" HT, CENTER MOUNT (ADD 40HP TRACTOR)			$5,260	1.86	0.30	0.42	0.09	0.00	13
	L10BU011	3610	ROTARY CUTTER, 10.5' WIDTH, 2"-14"HT, STRAIGHT BLADE (ADD 70HP TRACTOR)			$10,888	3.71	0.63	0.87	0.19	0.00	46
	L10BU012	3615	ROTARY CUTTER, 15' WIDTH, 2"-14"HT, STRAIGHT BLADE (ADD 80HP TRACTOR)			$13,759	4.79	0.79	1.10	0.24	0.00	51
	L10BU013	2620	ROTARY CUTTER, 20' WIDTH, 2"-14"HT, STRAIGHT BLADE (ADD 90HP TRACTOR)			$16,710	5.89	0.96	1.34	0.29	0.00	63
			ROME PLOW COMPANY									
	L10RM004	RV8N	V-TREE & BRUSH CUTTER (FOR D8 TRACTOR)			$31,409	6.76	1.79	2.51	0.54	0.00	133
			VERMEER MANUFACTURING COMPANY									
	L10VE010	SC 252	STUMPER, 16" DIA WHEEL, TRAILER MTD	25 HP G		$11,067	4.50	0.63	0.87	0.19	1.67	11
	L10VE002	SC 630B	STUMPER, 18" DIA WHEEL, TRAILER MTD	34 HP G		$11,367	5.37	0.65	0.90	0.20	2.26	17
	L10VE009	SC 672A	STUMPER, 25" DIA WHEEL, TRAILER MTD	65 HP G		$22,668	10.46	1.29	1.80	0.39	4.33	33
	L10VE005	TS-30	TREE SPADE, 30" DIAMETER, 24" DEPTH, TRAILER MOUNTED	13 HP G		$8,388	2.88	0.47	0.66	0.14	0.87	38
	L10VE006	TS-44A	TREE SPADE, 44" DIAMETER, 40" DEPTH, TRAILER MOUNTED	13 HP G		$20,138	5.27	1.15	1.60	0.35	0.87	66
	L10VE007	TS-50M	TREE SPADE, 50" DIAMETER, 48" DEPTH (ADD 13,800 GVW TRUCK)			$19,386	5.43	1.11	1.55	0.33	0.00	81
L15	**LANDSCAPING EQUIPMENT**											
	SUBCATEGORY 0.00		**LANDSCAPING EQUIPMENT**									
			EXCEL INDUSTRIES									
	L15EX014	HUSTLER 1500	54" SIDE DISCHARGE DECK	20 HP G		$5,108	4.46	0.61	1.02	0.10	1.78	8
	L15EX015	HUSTLER 260R	60" REAR DISCHARGE DECK, W/BAK PAC GRASS CATCHER	22 HP G		$7,720	5.81	0.92	1.54	0.15	1.95	11

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

	REGION 8			ENGINE HORSEPOWER FUEL TYPE			VALUE (TEV)	TOTAL HOURLY RATES ($/HR)		ADJUSTABLE ELEMENTS			
CAT	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN		CARRIER	1996 ($)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
L15			***EXCEL INDUSTRIES (continued)***										
	L15EX001	HUSTLER 3300	60" DECK, 3-WAY, W/EXTRA HI-LIFT BAC VAC	25 HP	G		$18,475	10.87	2.27	3.85	0.35	2.22	14
	L15EX016	HUSTLER 2500	72" DECK, W/FLOAT KIT	25 HP	G		$11,369	7.75	1.38	2.31	0.22	2.22	10
	L15EX002	HUSTLER 3200	72" DECK, STANDARD ROTARY MOWER, W/EXTRA HI-LIFT BAC VAC	23 HP	D-off		$20,087	9.86	2.49	4.19	0.39	0.87	14
	L15EX004	HUSTLER 3400	72" DECK, STANDARD ROTARY MOWER, W/BAC VAC	28 HP	D-off		$20,494	10.27	2.53	4.28	0.39	1.06	14
	L15EX008	HUSTLER 6400	72" DECK, HEAVY DUTY, DUAL-TRIM	29 HP	D-off		$30,454	14.58	3.72	6.28	0.58	1.09	37
	L15EX011	HUSTLER 4600	72" DECK, HEAVY DUTY ROTARY MOWER, W/BAC VAC	38 HP	D-off		$24,778	12.62	3.08	5.19	0.48	1.43	15
	L15EX012	HUSTLER 6400	72" DECK, HEAVY DUTY MOWER	38 HP	G		$27,118	16.05	3.31	5.57	0.52	3.37	22
	L15EX010	HUSTLER 4500	72" DECK, HEAVY DUTY DUAL TRIM ROTARY MOWER, W/BAC VAC	54 HP	G		$24,063	16.63	2.98	5.04	0.46	4.80	15
	L15EX013	HUSTLER 9400	84" DECK, HEAVY DUTY MOWER	65 HP	G		$30,024	20.45	3.71	6.25	0.58	5.77	43
			FINN EQUIPMENT										
	L15FG001	T330	HYDROSEEDER, 3000 GAL, TRUCK MTD (ADD 56,000 GVW TRUCK)	109 HP	D-off		$43,175	24.14	5.42	9.17	0.83	4.11	85
			TORO										
	L15TO001	SR-21SE	21" REAR BAGGER - PUSH MOWER	6 HP	G		$817	1.04	0.11	0.17	0.02	0.53	1
	L15TO002	8-25	32" RIDING MOWER	8 HP	G		$2,237	1.85	0.26	0.43	0.04	0.71	4
	L15TO003	267-H	48" DECK GROUNDMASTER W/118 TRACTOR	17 HP	G		$4,382	3.82	0.53	0.89	0.08	1.51	8
	L15TO004	267-H	52" DECK W/GROUNDMASTER W/118 TRACTOR	17 HP	G		$4,563	3.92	0.56	0.93	0.09	1.51	8
	L15TO006	30223	62" DECK W/GROUNDMASTER W/223 TRACTOR	23 HP	G		$15,104	9.17	1.86	3.13	0.29	2.04	18
	L15TO005	30243	62" DECK W/GROUNDMASTER W/223D TRACTR	23 HP	D-off		$18,508	9.17	2.29	3.86	0.36	0.87	20
	L15TO007	30789	72" DECK W/GROUNDMASTER	45 HP	G		$16,635	12.36	2.05	3.46	0.32	4.00	20
	L15TO008	30795	72" DECK W/GROUNDMASTER W/223D TRACTOR	25 HP	D-off		$20,939	10.31	2.59	4.37	0.40	0.94	25
			WILLMAR EQUIPMENT CO.										

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
L15			***WILLMAR EQUIPMENT CO. (continued)***										
	L15WI001	S-200	85 CF DRY CHEMICAL SPREADER (ADD 55 HP FARM TRACTOR)				$6,677	2.88	0.82	1.38	0.13	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		$12,116	4.63	0.78	1.12	0.22	0.49	17
	L20AB012	MAXI-LITE 4H	6.0 KW 4/1000W, WITH GENERATOR SET, HYDRAULIC MAST, TRLR MTD	12 HP	D-off		$16,020	5.92	1.02	1.47	0.29	0.49	26
	L20AB013	MAXI-LITE 695	6.0 KW 4/1250W, WITH GENERATOR SET, CABLE ELECTRIC MAST, TRLR MTD	17 HP	D-off		$13,477	5.30	0.86	1.24	0.24	0.67	20
	L20AB015	2200/SE ALT 15	15 LAMP, FLASHING ARROW, TRLR MTD, SOLAR PANELS W/ BATTERY CHARGER				$6,373	2.10	0.41	0.58	0.12	0.00	12
	L20AB016	2200/SE APF 25	25 LAMP, FLASHING ARROW, TRLR MTD, SOLAR PANELS W/ BATTERY CHARGER				$6,680	2.20	0.42	0.61	0.12	0.00	12
			AMIDA INDUSTRIES, INC.										
	L20AI001	MITI-LITE 500-4	4/500W, W/4.0 KW GEN, TRLR MTD	4 HP	G		$4,683	2.02	0.29	0.43	0.08	0.38	6
	L20AI002	LT5060 D-4	4/1000W, W/6.0 KW GEN, TRLR MTD	11 HP	D-off		$16,526	6.05	1.06	1.53	0.30	0.45	21
	L20AI003	LT5080 D-4	4/1000W, W/8.0 KW GEN, TRLR MTD, MANUAL-CABLE WINCH RAISED 30' MAST	16 HP	D-off		$18,489	6.94	1.19	1.71	0.33	0.65	9
	L20AI004	LT7080D-6MH	6/1000W, W/8.0 KW GEN, TRLR MTD, HYDRAULIC RAISED MAST	16 HP	D-off		$24,466	8.91	1.58	2.27	0.44	0.63	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		$2,306	2.02	0.15	0.22	0.04	0.47	2
	L25MB002	5-10A	LINE STRIPER, 1 GUN, WALK BEHIND	5 HP	G		$3,077	2.49	0.20	0.29	0.06	0.47	6
	L25MB005	5-12	LINE STRIPER, 2 GUNS, WALK BEHIND	10 HP	G		$4,416	3.48	0.28	0.41	0.08	0.94	10
	L25MB003	6-28	LINE STRIPER, 2 GUNS, INTERMEDIATE,	10 HP	G		$10,160	5.38	0.66	0.95	0.18	0.94	15

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
L25			***M-B COMPANIES, INC. (continued)***										
	L25MB007	220	LINE STRIPER, 3-4 GUNS, INTERMEDIATE	23 HP	G		$33,387	13.39	2.17	3.13	0.60	2.17	30
	L25MB006	245	LINE STRIPER, INTERMEDIATE	60 HP	G		$73,348	29.64	4.77	6.88	1.33	5.66	48
	L25MB004	VANMARK 360	LINE STRIPER, 1 COLOR, 2-3 LINES, WITH 11,000# GVW TRUCK	190 HP	G		$94,199	51.66	6.07	8.72	1.71	17.93	116
	L25MB008	360	LINE STRIPER, THERMAL PLASTICS 120 GALLONS, TRUCK MOUNTED	190 HP	G		$175,456	75.11	11.30	16.23	3.18	17.93	80
L30	**LOADERS, BELT (CONVEYOR BELTS) & ACCESSORIES**												
	SUBCATEGORY 0.00		**LOADERS, BELT (CONVEYOR BELTS) & ACCESSORIES**										
			KOLMAN										
	L30KL001	101-XHD	24" X 50' , 355 TON/HR	10 HP	D-off		$27,837	6.41	1.52	2.09	0.48	0.30	96
	L30KL002	MODEL 45	PLATE FEEDER DOZER TRAP	5 HP	D-off		$8,203	1.96	0.47	0.66	0.14	0.15	34
	L30KL003		BELT FEEDER DOZER TRAP	3 HP	D-off		$10,590	2.39	0.60	0.85	0.18	0.09	33
	L30KL004		WING WALLS STATIONARY				$1,617	0.35	0.10	0.13	0.03	0.00	9
	L30KL005		TUNNEL EXTENSION WITH BACKBOARDS				$8,155	1.75	0.47	0.65	0.14	0.00	55
	L30KL006	SB-70	SINGLE DECK SCREEN, 7' X 42"	3 HP	D-off		$6,405	1.49	0.36	0.51	0.11	0.09	18
	L30KL007	DC-70-42	DOUBLE DECK SCREEN, 7' X 42"	5 HP	D-off		$8,693	2.07	0.50	0.70	0.15	0.15	25
	L30KL008	TC-70-42	TRIPLE DECK SCREEN, 7' X 42"	5 HP	D-off		$12,274	2.83	0.70	0.98	0.21	0.15	33
	L30KL009	XHD	CONVEYOR JACKLEG				$1,243	0.27	0.07	0.10	0.02	0.00	7
	L30KL010	101-XHD	30" X 50', 615 TON/HR	20 HP	D-off		$29,349	7.13	1.60	2.19	0.50	0.61	105
	L30KL011	MODEL 45	PLATE FEEDER DOZER TRAP	8 HP	D-off		$9,619	2.39	0.56	0.77	0.17	0.24	42
	L30KL012		BELT FEEDER DOZER TRAP	5 HP	D-off		$11,702	2.71	0.67	0.94	0.20	0.15	40
	L30KL013		WING WALLS STATIONARY				$1,617	0.35	0.10	0.13	0.03	0.00	9
	L30KL014		TUNNEL EXTENSION WITH BACKBOARDS				$8,155	1.75	0.47	0.65	0.14	0.00	55
	L30KL015	SB-80	SINGLE DECK SCREEN, 8' X 48"	3 HP	D-off		$7,776	1.78	0.44	0.62	0.13	0.09	22
	L30KL016	DC-80-48	DOUBLE DECK SCREEN, 8' X 48"	5 HP	D-off		$10,640	2.48	0.60	0.85	0.18	0.15	34
	L30KL017	TC-80-48	TRIPLE DECK SCREEN, 8' X 48"	8 HP	D-off		$14,388	3.41	0.82	1.15	0.25	0.24	43
	L30KL018	XHD	CONVEYOR JACKLEG				$1,244	0.27	0.07	0.10	0.02	0.00	7
	L30KL019	101-XHD	36" X 50' - 910 TON/HR	30 HP	D-off		$35,436	8.87	1.94	2.67	0.61	0.91	111
	L30KL020	MODEL 45	PLATE FEEDER DOZER TRAP	9 HP	D-off		$10,174	2.53	0.58	0.81	0.17	0.27	45
	L30KL021		BELT FEEDER DOZER TRAP	7 HP	D-off		$12,666	3.00	0.72	1.01	0.22	0.21	42
	L30KL022		WING WALLS STATIONARY				$1,616	0.35	0.10	0.13	0.03	0.00	9

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

	REGION 8			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES ($/HR)		ADJUSTABLE ELEMENTS			
CAT	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	1996 ($)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
L30			***KOLMAN (continued)***									
	L30KL023		TUNNEL EXTENSION WITH BACKBOARDS			$8,155	1.75	0.47	0.65	0.14	0.00	55
	L30KL024	SB-90	SINGLE DECK SCREEN, 9' X 54"	5 HP D-off		$8,790	2.08	0.50	0.70	0.15	0.15	27
	L30KL025	DC-90-54	DOUBLE DECK SCREEN, 9' X 54"	8 HP D-off		$12,116	2.92	0.69	0.97	0.21	0.24	42
	L30KL026	TC-90-54	TRIPLE DECK SCREEN, 9' X 54"	8 HP D-off		$14,086	3.34	0.80	1.13	0.24	0.24	45
	L30KL027	XHD	CONVEYOR JACKLEG			$1,244	0.27	0.07	0.10	0.02	0.00	7
	L30KL028	101-XHD	42" X 50', 1,260 TON/HR	40 HP D-off		$38,204	9.87	2.10	2.88	0.66	1.21	118
	L30KL029	MODEL 45	PLATE FEEDER DOZER TRAP	11 HP D-off		$12,482	3.12	0.71	1.00	0.21	0.33	48
	L30KL030		BELT FEEDER DOZER TRAP	9 HP D-off		$12,699	3.09	0.73	1.02	0.22	0.27	44
	L30KL031		WING WALLS STATIONARY			$1,617	0.35	0.10	0.13	0.03	0.00	9
	L30KL032		TUNNEL EXTENSION WITH BACKBOARDS			$8,155	1.75	0.47	0.65	0.14	0.00	55
	L30KL033	SB-100	SINGLE DECK SCREEN, 10' X 60"	5 HP D-off		$11,372	2.65	0.66	0.91	0.20	0.15	36
	L30KL034	DC-100	DOUBLE DECK SCREEN, 10' X 60"	8 HP D-off		$13,381	3.19	0.77	1.07	0.23	0.24	42
	L30KL035	THV-100	TRIPLE DECK SCREEN, 10' X 60"	10 HP D-off		$20,483	4.79	1.17	1.64	0.35	0.30	61
	L30KL036	XHD	CONVEYOR JACKLEG			$1,244	0.27	0.07	0.10	0.02	0.00	7
	L30KL037	101-XHD	48" X 50', 1,700 TON/HR	50 HP D-off		$50,565	12.98	2.79	3.83	0.87	1.52	140
	L30KL038	MODEL 45	PLATE FEEDER DOZER TRAP	15 HP D-off		$17,401	4.34	0.99	1.39	0.30	0.46	51
	L30KL039		BELT FEEDER DOZER TRAP	10 HP D-off		$16,714	3.99	0.96	1.34	0.29	0.30	48
	L30KL040		WING WALLS STATIONARY			$1,617	0.35	0.10	0.13	0.03	0.00	9
	L30KL041		TUNNEL EXTENSION WITH BACKBOARDS			$9,720	2.09	0.56	0.78	0.17	0.00	62
	L30KL042	SB-120	SINGLE DECK SCREEN, 12' X 60"	8 HP D-off		$13,204	3.16	0.76	1.06	0.23	0.24	45
	L30KL043	DHV-120	DOUBLE DECK SCREEN, 12' X 60"	10 HP D-off		$23,982	5.55	1.37	1.92	0.41	0.30	79
	L30KL044	THV-120	TRIPLE DECK SCREEN, 12' X 60"	10 HP D-off		$27,111	6.22	1.55	2.17	0.47	0.30	80
	L30KL045	XHD	CONVEYOR JACKLEG			$1,243	0.27	0.07	0.10	0.02	0.00	7
	L30KL046	303	48" X 50' BELT, 2,000 CY/HR, PORTABLE	125 HP D-off		$198,197	47.66	11.19	15.55	3.41	3.79	627
	L30KL047	303	48" X 60' BELT, 2,000 CY/HR, PORTABLE	185 HP D-off		$220,439	54.87	12.44	17.30	3.79	5.62	662
	L30KL050	404	48" X 50' BELT, 2,000 CY/HR, PORTABLE	185 HP D-off		$245,126	60.15	13.86	19.30	4.21	5.62	616
	L30KL051	404	48" X 60' BELT, 2,000 CY/HR, PORTABLE	185 HP D-off		$259,008	63.14	14.65	20.39	4.45	5.62	650
	L30KL048	303	60" X 50' BELT, 3,600 CY/HR, PORTABLE	185 HP D-off		$227,747	56.53	12.82	17.79	3.92	5.62	682
	L30KL049	303	60" X 60' BELT, 3,600 CY/HR, PORTABLE	290 HP D-off		$262,304	68.23	14.77	20.51	4.51	8.80	737
	L30KL052	404	60" X 50' BELT, 3,600 CY/HR, PORTABLE	290 HP D-off		$293,997	74.97	16.61	23.09	5.06	8.80	671
	L30KL053	404	60" X 60' BELT, 3,600 CY/HR, PORTABLE	290 HP D-off		$325,316	81.74	18.37	25.55	5.59	8.80	724
	L30KL054	SB-120	SINGLE DECK SCREEN, 12' X 72"	8 HP D-off		$17,536	4.08	1.00	1.40	0.30	0.24	50
	L30KL055	DHV-120	DOUBLE DECK SCREEN, 12' X 72"	15 HP D-off		$29,474	6.94	1.69	2.36	0.51	0.46	81

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
L30			***KOLMAN (continued)***										
	L30KL056	THV-120	TRIPLE DECK SCREEN, 12' X 72"	15 HP	D-off		$31,847	7.45	1.83	2.55	0.55	0.46	84
	L30KL057		SINGLE DECK VIBRATING GRIZZLE, 72" WIDE	15 HP	D-off		$29,035	6.84	1.66	2.32	0.50	0.46	89
			MORGEN MANUFACTURING COMPANY										
	L30MO001	303-750	48' MOBILE PLACER CONVEYOR, CONCRETE & AGGREGATE, 16" WIDE	30 HP	G		$34,907	10.35	1.96	2.73	0.60	2.16	57
	L30MO002	303-775	56' MOBILE PLACER CONVEYOR, CONCRETE & AGGREGATE, 16" WIDE	30 HP	G		$36,516	10.70	2.06	2.86	0.63	2.16	62
			MAXON INDUSTRIES										
	L30MX008		SLIDER BELT CONVEYOR, 300 FPM, 1 CY PER MINUTE				$24,326	5.98	1.40	1.95	0.42	0.00	1
L35	**LOADERS, FRONT END, CRAWLER TYPE**												
	SUBCATEGORY 0.00		**LOADERS, FRONT END, CRAWLER TYPE**										
			CATERPILLAR, INC.										
	L35CA008	933	1.30 CY BUCKET	70 HP	D-off		$70,131	25.47	4.73	7.01	1.23	2.32	176
	L35CA009	933 LGP	1.30 CY BUCKET	70 HP	D-off		$76,257	27.41	5.16	7.63	1.34	2.32	186
	L35CA010	939	1.50 CY BUCKET	90 HP	D-off		$89,261	32.46	6.04	8.93	1.57	2.98	194
	L35CA005	953C	2.25 CY BUCKET	120 HP	D-off		$155,266	54.71	10.49	15.53	2.73	3.97	305
	L35CA006	963B	3.00 CY BUCKET	160 HP	D-off		$199,529	70.59	13.48	19.95	3.51	5.30	452
	L35CA007	973	3.70 CY BUCKET	210 HP	D-off		$305,272	106.34	20.64	30.53	5.37	6.96	548
			FIATALLIS										
	L35FI006	FL145	2.00 CY BUCKET, POWERSHIFT	128 HP	D-off		$137,896	49.62	9.31	13.79	2.42	4.24	301
	L35FI007	FL175	2.75 CY BUCKET, POWERSHIFT	170 HP	D-off		$160,003	58.60	10.81	16.00	2.81	5.63	396
			KOMATSU DRESSER COMPANY										
	L35ID003	175C	1.92 CY BUCKET, POWERSHIFT	140 HP	D-off		$173,821	61.52	11.75	17.38	3.06	4.64	317

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
			DEERE & COMPANY										
	L35JD002	455G	1.30 CY BUCKET	70 HP	D-off		$75,306	27.10	5.09	7.53	1.32	2.32	176
	L35JD003	555G	1.50 CY BUCKET	90 HP	D-off		$97,450	35.03	6.58	9.74	1.71	2.98	197
			KOMATSU DRESSER COMPANY										
	L35KM005	D66S-1	2.80 CY BUCKET, HYDROSTATIC	160 HP	D-off		$222,861	77.95	15.07	22.29	3.92	5.30	422
	L35KM006	D75S-5	3.30 CY BUCKET, POWERSHIFT	200 HP	D-off		$277,537	97.09	18.75	27.75	4.88	6.62	485
			TAKEUCHI										
	L35TK001	TL26	0.48 CY BUCKET	61 HP	D-off		$34,698	13.86	2.35	3.47	0.61	2.02	68
L40	**LOADERS, FRONT END, WHEEL TYPE**												
	SUBCATEGORY 0.11		**ARTICULATED, 0 THRU 225 HP**										
			CATERPILLAR, INC.										
	L40CA019	914G	1.80 CY BUCKET, ARTICULATED	90 HP	D-off		$89,867	20.31	4.86	6.53	1.59	2.73	156
	L40CA020	924F	2.00 CY BUCKET, ARTICULATED	105 HP	D-off		$107,044	24.03	5.79	7.79	1.90	3.19	195
	L40CA015	928G	2.25 CY BUCKET, ARTICULATED, 4X4	125 HP	D-off		$129,777	28.88	7.05	9.50	2.30	3.79	223
	L40CA021	938F	3.25 CY BUCKET, ARTICULATED	145 HP	D-off		$143,932	32.97	7.70	10.30	2.55	4.40	315
	L40CA005	950-F11	3.25 CY, BUCKET, ARTICULATED	170 HP	D-off		$194,555	43.48	10.40	13.89	3.45	5.16	351
	L40CA016	960F	4.00 CY BUCKET, ARTICULATED, 4X4	200 HP	D-off		$205,112	46.68	10.98	14.68	3.64	6.07	387
	L40CA006	966-F11	4.75 CY BUCKET, ARTICULATED	220 HP	D-off		$270,746	59.74	14.47	19.33	4.80	6.68	454
			CASE CORPORATION										
	L40CS009	621B	2.60 CY BUCKET, ARTICULATED, 4X4	126 HP	D-off		$117,166	27.28	6.25	8.35	2.08	3.83	270
	L40CS010	721B	2.79 CY BUCKET, ARTICULATED, 4X4	140 HP	D-off		$147,050	33.12	7.90	10.59	2.61	4.25	292
	L40CS011	821B	3.67 CY BUCKET, ARTICULATED, 4X4	170 HP	D-off		$191,451	42.85	10.24	13.69	3.40	5.16	324
			FIATALLIS										
	L40FI002	FR90	1.82 CY BUCKET, ARTICULATED, 4X4, PS/TC	90 HP	D-off		$87,768	19.95	4.75	6.37	1.56	2.73	174
	L40FI012	FR120	2.50 CY BUCKET, ARTICULATED	128 HP	D-off		$103,068	24.24	5.56	7.46	1.83	3.89	232

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
L40			***FIATALLIS (continued)***										
	L40FI013	FR130.2	3.00 - 3.25 CY BUCKET, ARTICULATED	139 HP	D-off		$144,725	32.40	7.74	10.35	2.57	4.22	284
	L40FI014	FR140.2	2.50 - 4.50 CY BUCKET, ARTICULATED	160 HP	D-off		$119,511	28.96	6.35	8.46	2.12	4.86	291
	L40FI015	FR160.2	3.64 - 4.00 CY BUCKET, ARTICULATED	189 HP	D-off		$170,737	39.50	9.10	12.14	3.03	5.74	363
	L40FI016	FR180.2	4.00 CY BUCKET, ARTICULATED	190 HP	D-off		$145,588	35.16	7.71	10.25	2.58	5.77	357
			HYUNDIA CONSTRUCTION EQUIPMENT										
	L40HU001	HL 740-3	2.20 CY BUCKET, ARTICULATED, 4X4	130 HP	D-off		$77,807	19.94	4.17	5.57	1.38	3.95	255
	L40HU002	HL 750-3	3.30 CY BUCKET, ARTICULATED, 4X4	171 HP	D-off		$96,814	25.54	5.09	6.74	1.72	5.19	366
			KOMATSU DRESSER COMPANY										
	L40ID010	510C	1.88 CY BUCKET, ARTICULATED, 4X4	93 HP	D-off		$86,369	19.76	4.67	6.29	1.53	2.82	164
	L40ID011	515C	2.50 CY BUCKET, ARTICULATED, 4X4	115 HP	D-off		$112,793	25.73	6.07	8.13	2.00	3.49	187
	L40ID012	520C	3.00 CY BUCKET, ARTICULATED, 4X4	144 HP	D-off		$134,544	30.67	7.30	9.82	2.39	4.37	224
			DEERE & COMPANY										
	L40JD001	344G	1.63 CY BUCKET, ARTICULATED, 4X4, W/CAB	85 HP	D-off		$90,195	20.10	4.88	6.56	1.60	2.58	181
	L40JD002	444G	1.75 CY BUCKET, ARTICULATED, 4X4, W/CAB	100 HP	D-off		$99,681	22.48	5.40	7.26	1.77	3.04	205
	L40JD003	544G	2.25 CY BUCKET, ARTICULATED, 4X4, W/CAB	120 HP	D-off		$115,787	26.18	6.29	8.47	2.05	3.64	232
	L40JD007	624G	2.75 CY BUCKET, ARTICULATED, 4X4	145 HP	D-off		$143,271	32.68	7.70	10.31	2.54	4.40	274
	L40JD004	644G	3.25 CY BUCKET, ARTICULATED, 4X4	170 HP	D-off		$183,623	40.85	9.93	13.34	3.26	5.16	351
			KOMATSU DRESSER COMPANY										
	L40KM001	WA120-1	1.75 CY BUCKET, ARTICULATED, 4X4	94 HP	D-off		$107,926	23.67	5.84	7.86	1.91	2.85	184
	L40KM002	WA180-1	2.25 CY BUCKET, ARTICULATED, 4X4	118 HP	D-off		$121,630	27.16	6.61	8.89	2.16	3.58	210
	L40KM003	WA250-1	2.75 CY BUCKET, ARTICULATED, 4X4	144 HP	D-off		$143,552	32.69	7.71	10.33	2.55	4.37	252
	L40KM004	WA320-1	3.25 CY BUCKET, ARTICULATED, 4X4	166 HP	D-off		$178,252	39.73	9.63	12.93	3.16	5.04	283
	L40KM005	WA380-1	4.00 CY BUCKET, ARTICULATED, 4X4	196 HP	D-off		$212,377	47.93	11.35	15.16	3.77	5.95	369
	L40KM006	WA420-1	4.75 CY BUCKET, ARTICULATED, 4X4	224 HP	D-off		$248,693	55.52	13.35	17.88	4.41	6.80	410
			KUBOTA TRACTOR CORPORATION										

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
L40			***KUBOTA TRACTOR CORPORATION (continued)***									
	L40KU004	R420	0.50 CY BUCKET, ARTICULATED, 4X4	43 HP D-off		$41,384	9.32	2.25	3.05	0.73	1.31	75
	L40KU006	R520	0.75 CY BUCKET, ARTICULATED, 4X4	49 HP D-off		$49,590	11.40	2.64	3.52	0.88	1.49	90
			SAMSUNG CONSTRUCTION EQUIPMENT									
	L40SS009	SL 150-2	4.50 CY BUCKET, ARTICULATED	174 HP D-off		$125,544	30.53	6.72	8.98	2.23	5.28	304
	L40SS010	SL 180-2	5.00 CY BUCKET, ARTICULATED	203 HP D-off		$158,391	37.97	8.42	11.21	2.81	6.16	368
	SUBCATEGORY 0.12		**ARTICULATED, OVER 225 HP**									
			CATERPILLAR, INC.									
	L40CA017	970F	5.00 CY BUCKET, ARTICULATED, 4X4	250 HP D-off		$289,214	54.51	13.84	18.28	4.70	7.59	497
	L40CA007	980-G	5.50 CY, ARTICULATED	300 HP D-off		$354,212	67.34	16.84	22.18	5.75	9.11	633
	L40CA008	988-F11	8.00 CY, ARTICULATED	430 HP D-off		$522,922	99.94	24.73	32.49	8.49	13.05	980
	L40CA018	99011	11.00 CY BUCKET, ARTICULATED, 4X4	625 HP D-off		$863,306	162.56	40.70	53.38	14.01	18.98	1,621
	L40CA009	992-D	15.00 CY, ARTICULATED, 4X4	800 HP D-off		$1,106,639	207.48	52.27	68.62	17.96	24.29	1,925
			CASE CORPORATION									
	L40CS012	921B	5.00 CY BUCKET, ARTICULATED, 4X4	248 HP D-off		$250,055	49.29	11.86	15.60	4.06	7.53	512
			FIATALLIS									
	L40FI017	FR220.2	5.00 CY BUCKET, ARTICULATED, 4X4	240 HP D-off		$212,142	42.09	10.09	13.30	3.44	7.29	488
			HYUNDIA CONSTRUCTION EQUIPMENT									
	L40HU003	HL 770	4.60 CY BUCKET, ARTICULATED, 4X4	265 HP D-off		$171,418	37.82	7.99	10.43	2.78	8.05	461
			KOMATSU DRESSER COMPANY									
	L40ID007	560B	7.50 CY BUCKET, ARTICULATED, 4X4	415 HP D-off		$558,797	102.90	26.68	35.23	9.07	12.60	862
	L40ID015	570C	12.00 CY BUCKET, ARTICULATED	590 HP D-off		$1,050,663	186.56	50.07	66.02	17.06	17.91	1,177
			DEERE & COMPANY									
	L40JD006	744H	4.50 CY BUCKET, ARTICULATED, 4X4, W/CAB	250 HP D-off		$266,951	51.05	12.77	16.88	4.33	7.59	460

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			KOMATSU DRESSER COMPANY										
	L40KM007	WA450-2	5.50 CY BUCKET, ARTICULATED, 4X4	264 HP	D-off		$287,399	56.08	13.60	17.85	4.67	8.02	485
	L40KM008	WA500-1	6.05 CY BUCKET, ARTICULATED, 4X4	291 HP	D-off		$371,439	69.30	17.71	23.35	6.03	8.83	631
	L40KM009	WA600-1	7.50 CY BUCKET, ARTICULATED, 4X4	425 HP	D-off		$568,882	107.99	26.79	35.09	9.24	12.90	965
	L40KM010	WA700-1	11.10 CY BUCKET, ARTICULATED, 4X4	641 HP	D-off		$1,038,157	186.85	49.45	65.20	16.85	19.46	1,448
	L40KM011	WA800-2	13.70 CY BUCKET, ARTICULATED, 4X4	789 HP	D-off		$1,344,077	241.96	63.81	83.98	21.82	23.95	1,937
			SAMSUNG CONSTRUCTION EQUIPMENT										
	L40SS011	SL 250-2	6.00 CY BUCKET, ARTICULATED, 4X4	264 HP	D-off		$214,440	43.93	10.12	13.27	3.48	8.02	465
	SUBCATEGORY 0.20		**SKID STEER**										
			CASE CORPORATION										
	L40CS014	1825	44" DIRT/UTILITY BUCKET, 4.8 CF CAP	25 HP	D-off		$17,189	5.42	1.19	1.79	0.29	0.83	32
	L40CS015	1835C	54" DIRT BUCKET, 7.9 CF CAP	48 HP	G		$19,119	9.82	1.31	1.97	0.33	3.73	50
	L40CS016	1838	54" DIRT BUCKET, 7.9 CF CAP	46 HP	D-off		$21,495	7.52	1.48	2.22	0.37	1.52	52
	L40CS017	1840	54" DIRT BUCKET, 7.9 CF CAP	50 HP	D-off		$24,014	8.34	1.66	2.49	0.41	1.66	47
	L40CS018	1845C	63" DIRT BUCKET, 9.1 CF CAP	56 HP	D-off		$27,907	9.60	1.92	2.87	0.48	1.85	50
			MELROE COMPANY										
	L40ME015	450	36" DIRT BUCKET, 5.1 CF CAP	17 HP	G		$8,713	3.89	0.60	0.90	0.15	1.28	19
	L40ME016	453	44" DIRT BUCKET, 6.5 CF CAP	16 HP	D-off		$11,158	3.49	0.77	1.16	0.19	0.52	20
	L40ME017	553	48" DIRT BUCKET, 6.7 CF CAP	23 HP	D-off		$14,494	4.70	1.00	1.49	0.25	0.75	34
	L40ME018	751	60" UTILITY BUCKET, 14.3 CF CAP	38 HP	D-off		$17,512	6.14	1.21	1.82	0.30	1.26	46
	L40ME012	753	60" LOW PROFILE BUCKET, 13.0 CF CAP	44 HP	D-off		$19,167	6.82	1.33	2.00	0.33	1.44	48
	L40ME019	863	66" LOW PROFILE BUCKET, 16.3 CF CAP	74 HP	D-off		$26,421	10.16	1.79	2.68	0.45	2.43	67
	SUBCATEGORY 0.31		**TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP**										
			CATERPILLAR, INC.										
	L40CA013	IT14G	INTEGRATED TOOL CARRIER W/ 4TH VALVE	90 HP	D-off		$95,479	21.83	5.17	6.95	1.69	2.73	155
	L40CA012	IT28G	INTEGRATED TOOL CARRIER	125 HP	D-off		$128,942	29.48	7.01	9.44	2.29	3.79	232

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			JCB										
	L40JC004	526	5000# LIFT CAPACITY, 4X4, TELESCOPIC BM	100 HP	D-off		$61,364	16.11	3.29	4.40	1.09	3.04	130
	L40JC005	530	6000# LIFT CAPACITY, 4X4, TELESCOPIC BM	80 HP	D-off		$66,323	16.14	3.56	4.76	1.18	2.43	151
	L40JC006	506C	6000# LIFT CAPACITY, 4X4, TELESCOPIC BM	80 HP	D-off		$79,228	18.31	4.30	5.78	1.41	2.43	215
L50	**LOADERS / BACKHOE, WHEEL TYPE**												
	SUBCATEGORY 0.00		**LOADERS / BACKHOE, WHEEL TYPE**										
			CATERPILLAR, INC.										
	L50CA001	416-C	1.00 CY FE BUCKET, 24" B/H BUCKET	78 HP	D-off		$69,156	16.32	3.77	5.07	1.23	2.37	139
	L50CA002	426-C	1.25 CY FE BUCKET, 30" B/H BUCKET	84 HP	D-off		$78,228	18.25	4.26	5.75	1.39	2.55	148
	L50CA003	436-C	1.38 CY FE BUCKET, 30" B/H BUCKET	89 HP	D-off		$83,117	19.41	4.51	6.08	1.47	2.70	153
	L50CA004	446-B	1.50 CY FE BUCKET, 30" B/H BUCKET	110 HP	D-off		$116,561	26.65	6.31	8.48	2.07	3.34	196
			CASE CORPORATION										
	L50CS004	580L	1.00 CY FE BUCKET, 24" B/H DIPPER, 4X4, EXTENDAHOE	71 HP	D-off		$67,640	15.79	3.66	4.91	1.20	2.16	136
	L50CS005	580 SUPER L	1.00 CY FE BUCKET, 24" B/H DIPPER, 4X4	86 HP	D-off		$69,249	16.71	3.75	5.03	1.23	2.61	135
	L50CS006	590 SUPER L	1.25 CY FE BUCKET, 24" B/H DIPPER, 4X4, EXTENDAHOE	86 HP	D-off		$83,442	19.50	4.46	5.96	1.48	2.61	152
			JCB										
	L50JC001	210S	0.80 CY FE BUCKET, 30" B/H DIPPER, 4X4X4	60 HP	D-off		$52,749	12.72	2.80	3.73	0.94	1.82	118
	L50JC002	214	1.10 CY FE BUCKET, 36" B/H DIPPER, 2X4	86 HP	D-off		$64,869	15.94	3.46	4.63	1.15	2.61	154
	L50JC003	214S	1.25 CY FE BUCKET, 36" B/H DIPPER, 4X4X4	92 HP	D-off		$73,430	17.83	3.96	5.32	1.30	2.79	166
	L50JC004	215	1.25 CY FE BUCKET, 36" B/H DIPPER, 4X4	92 HP	D-off		$73,991	17.89	3.97	5.32	1.31	2.79	154
	L50JC005	215S	1.25 CY FE BUCKET, 36" B/H DIPPER, 4X4X4	92 HP	D-off		$80,937	19.23	4.38	5.88	1.44	2.79	166
	L50JC006	217	1.50 CY FE BUCKET, 36" B/H DIPPER, 4X4	92 HP	D-off		$97,445	22.26	5.27	7.08	1.73	2.79	154
	L50JC007	217S	1.50 CY FE BUCKET, 36" B/H DIPPER, 4X4X4	92 HP	D-off		$104,729	23.79	5.66	7.59	1.86	2.79	166
			DEERE & COMPANY										

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
L50			*DEERE & COMPANY (continued)*										
	L50JD001	310E	1.12 CY FE BUCKET, 18" B/H DIPPER, W/CAB, 4X2	71 HP	D-off		$64,039	15.07	3.48	4.68	1.14	2.16	136
	L50JD002	410E	1.30 CY FE BUCKET, 18" B/H DIPPER, W/CAB, 4X2	90 HP	D-off		$78,323	18.56	4.25	5.73	1.39	2.73	156
	L50JD003	510D	1.25 CY FE BUCKET, 18" B/H DIPPER, W/CAB, 4X2	95 HP	D-off		$89,508	20.84	4.87	6.56	1.59	2.88	160
	L50JD005	710D	1.62 CY FE BUCKET, 24" B/H DIPPER, W/CAB, 4X2	115 HP	D-off		$126,610	28.87	6.83	9.16	2.25	3.49	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		$6,295	2.70	0.53	0.84	0.11	0.00	6
	L55KN002	KB-999	AIR RAM, WITH NARROW CHISEL, 3.5"D, 36"L (ADD COMPR)	250 CFM	A		$12,861	5.52	1.09	1.71	0.23	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		$26,227	11.12	2.23	3.50	0.48	0.00	22
L60	**LOG SKIDDERS**												
	SUBCATEGORY 0.00		**LOG SKIDDERS**										
			CATERPILLAR, INC.										
	L60CA009	D4HIII TSK	SKIDDER, TRACK, SERIES III W/SWEEPS, DOZER AND WINCH	105 HP	D-off		$148,161	39.72	10.40	15.74	2.53	3.19	276
	L60CA012	515	SKIDDER,CABLE,W/30,000# LINE-PULL &WINCH	140 HP	D-off		$124,425	35.79	8.50	12.77	2.12	4.25	261
	L60CA005	528-B	SKIDDER,CABLE,W/40,000# LINE-PULL &WINCH	190 HP	D-off		$153,173	45.48	10.37	15.51	2.61	5.77	334
	L60CA010	527-CA	SKIDDER,CABLE,W/69,200# LINE-PULL &WINCH	150 HP	D-off		$209,399	56.19	14.70	22.25	3.57	4.55	355
	L60CA013	525	SKIDDER,GRAPPLE,W/30,000#LINE-PULL&WINCH	160 HP	D-off		$152,856	43.43	10.51	15.80	2.61	4.86	315

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
L60			***CATERPILLAR, INC. (continued)***										
	L60CA011	527-GR	SKIDDER,GRAPPLE,W/69,200#LINE-PULL&WINCH	150 HP	D-off		$243,307	64.30	17.08	25.85	4.15	4.55	389
			DEERE & COMPANY										
	L60JD001	540G	CABLE LOG SKIDDER, W/28,605# LINE-PULL	121 HP	D-off		$108,064	31.50	7.33	10.98	1.84	3.67	217
	L60JD003	548G	GRAPPLE LOG SKIDDER, W/28,605# LINE-PULL	121 HP	D-off		$115,632	33.41	7.84	11.73	1.97	3.67	251
	L60JD004	648G	GRAPPLE LOG SKIDDER, W/38,867# LINE-PULL	157 HP	D-off		$142,037	41.88	9.46	14.08	2.42	4.77	288
	L60JD002	640G	CABLE LOG SKIDDER, W/39,726# LINE-PULL	157 HP	D-off		$124,286	36.85	8.48	12.71	2.12	4.77	239
	L60JD005	740G	GRAPPLE LOG SKIDDER, W/46,861# LINE-PULL	173 HP	D-off		$152,484	45.88	9.91	14.62	2.60	5.25	286
	L60JD006	643G	FELLER BUNCHER, 20" DIA, WHEEL MOUNTED	170 HP	D-off		$143,093	42.25	9.66	14.45	2.44	5.16	240
			ALLIED SYSTEMS COMPANY										
	L60RN001	F65	CABLE LOG SKIDDER, W/22,400# LINE-PULL	104 HP	D-off		$98,094	27.93	6.73	10.12	1.67	3.16	163
	L60RN002	H66	CABLE LOG SKIDDER, W/29,200# LINE-PULL	132 HP	D-off		$119,292	34.35	8.09	12.11	2.04	4.01	217
	L60RN003	H77	CABLE LOG SKIDDER, W/33,400# LINE-PULL	159 HP	D-off		$122,383	36.18	8.31	12.44	2.09	4.83	220
	L60RN004	F68	CABLE LOG SKIDDER, W/34,600# LINE-PULL	217 HP	D-off		$147,103	44.81	9.81	14.61	2.51	6.59	346
	L60RN005	F65	GRAPPLE LOG SKIDDER	104 HP	D-off		$116,958	32.46	8.07	12.13	2.00	3.16	163
	L60RN006	H66	GRAPPLE LOG SKIDDER	132 HP	D-off		$132,932	37.40	9.19	13.83	2.27	4.01	217
	L60RN007	H67	GRAPPLE LOG SKIDDER	159 HP	D-off		$145,887	41.59	10.10	15.21	2.49	4.83	220
	L60RN008	F68	GRAPPLE LOG SKIDDER	217 HP	D-off		$152,876	46.20	10.23	15.23	2.61	6.59	346
M10	**MARINE EQUIPMENT**												
	SUBCATEGORY 0.11		**AQUATIC MAINTENANCE**										
			AQUATICS UNLIMITED										
	M10AQ003	SRX 109	AQUAMOG, MARINE MAINTENANCE VESSEL, WITH 180 DEGREE SWING EXCAVATOR ARM, (ADD ATTACHMENTS)	105 HP	D-off		$138,710	30.10	8.15	11.69	2.31	3.19	138

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
M10			***AQUATICS UNLIMITED (continued)***									
	M10AQ002	PRX-163TL	AQUAMOG, MARINE MAINTENANCE VESSEL, WITH 180 DEGREE SWING EXCAVATOR ARM, (ADD ATTACHMENTS)	163 HP D-off		$166,714	37.65	9.80	14.07	2.77	4.95	185
	M10AQ001	160/163-TL	AQUAMOG, MARINE MAINTENANCE VESSEL, WITH 360 DEGREE SWING EXCAVATOR ARM, (ADD ATTACHMENTS)	163 HP D-off		$193,249	42.58	11.37	16.32	3.21	4.95	270
	SUBCATEGORY 0.12		**AQUATIC MAINTENACE ATTACHMENTS**									
			AQUATICS UNLIMITED									
	M10AQ006	AUSC-800E	SHORE CONVEYOR (UNLOADING LINK BETWEEN AU10-800 HARVESTER AND TRUCK)			$23,711	6.58	1.64	2.42	0.43	0.00	28
	M10AQ007	AQUAMOG	AQUAMOD AUGER HEAD, 8' WIDE WITH TWIN 6"PUMPS, DUAL DISCHARGE LINES			$36,808	10.03	3.13	4.91	0.67	0.00	24
	M10AQ011	AQUAMOG	CUTTERHEAD, 26" DIAMETER WITH 6" PUMP			$30,743	8.37	2.61	4.10	0.56	0.00	4
	M10AQ010	AQUAMOG	CUTTERHEAD, 30" DIAMETER WITH 8" PUMP, (ATTACHMENT)			$37,268	10.15	3.17	4.97	0.68	0.00	5
	M10AQ015	AQUAMOG	AQUATIC PLANT CONTROL, 5' FLAIL CHOPPER (ATTACHMENT)			$5,127	1.39	0.43	0.68	0.09	0.00	10
	M10AQ013	AQUAMOG	AQUATIC PLANT CONTROL, 6'6" ROTOTILLER 2000 (ATTACHMENT)			$8,886	2.41	0.75	1.18	0.16	0.00	20
	M10AQ017	AQUAMOG	AQUATIC PLANT CONTROL, 8' RAKE (ATTACHMENT)			$2,785	0.76	0.23	0.37	0.05	0.00	27
	M10AQ016	AQUAMOG	AQUATIC PLANT CONTROL, 8' CLAM RAKE (ATTACHMENT)			$6,929	1.89	0.59	0.92	0.13	0.00	20
	M10AQ012	AQUAMOG	AQUATIC PLANT CONTROL, 8' ROTOTILLER (ATTACHMENT)			$9,821	2.68	0.83	1.31	0.18	0.00	26
	M10AQ014	AQUAMOG	AQUATIC PLANT CONTROL, 10' T-BAR CUTTER (ATTACHMENT)			$4,740	1.29	0.41	0.63	0.09	0.00	4
	M10AQ018	AQUAMOG	AQUATIC PLANT CONTROL, SWING ARM, HYDRAULIC (ATTACHMENT)			$4,622	1.26	0.39	0.62	0.08	0.00	30
	M10AQ019	AQUAMOG	24" CLAM BUCKET, FOR DREDGING (ATTACHMENT)			$5,491	1.49	0.46	0.73	0.10	0.00	8
	M10AQ020	AQUAMOG	48" CLAM BUCKET, FOR DREDGING (ATTACHMENT)			$6,156	1.67	0.52	0.82	0.11	0.00	22

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.21		**HYDRAULIC CUTTERHEAD DREDGE, 8" OR LESS,TRANSPORTABLE**									
			CRISAFULLI PUMP									
	M10CP001	4X6130	YELLOWSTONE, 15' DREDGING DEPTH PUMP AT 700 GPM, 4" DISCHARGE DIA., WITH 8' CUTTERHEAD (ADD ATTACHMENTS)	140 HP D-off		$107,075	26.96	6.33	9.10	1.78	5.28	155
	M10CP002	6X8170	STILLWATER, 20' DREDGING DEPTH, PUMP AT 2500 GPM, 5" DISCHARGE DIA, WITH 8' CUTTERHEAD (ADD ATTACHMENTS)	170 HP D-off		$119,047	30.69	7.04	10.12	1.98	6.41	167
	M10CP003	8X10170	BIG SKY, 20' DREDGING DEPTH, PUMP AT 2500 GPM, 6" DISCHARGE DIA, WITH 8' CUTTERHEAD (ADD ATTACHMENTS)	170 HP D-off		$125,837	31.96	7.44	10.70	2.09	6.41	167
			DREDGING SUPPLY COMPANY									
	M10DS002	PIRANHA	8" DREDGE WITH 22' CUTTERHEAD LADDER, 8"X8" DREDGE PUMP, CATERPILLAR 3208 ENGINE	255 HP D-off		$178,261	45.98	10.54	15.15	2.96	9.62	400
	M10DS008	ULTRA DREDGE	8" DREDGE W/241 SPUD LENGTH	260 HP D-off		$212,094	52.54	12.55	18.03	3.53	9.81	350
			KEENE ENGINEERING COMPANY									
	M10KK001	6G - NESSIE	CUTTERHEAD DREDGE, 6"DIA DISCHARGE, 20 ' MAX DEPTH, 2400 GPM	175 HP G		$125,400	44.74	7.41	10.66	2.08	15.54	93
	M10KK002	6D - NESSIE	CUTTERHEAD DREDGE, 6" DIA DISCHARGE, 20 ' MAX DEPTH, 2400 GPM	250 HP D-off		$130,114	36.77	7.69	11.06	2.16	9.43	107
	M10KK003	8G - NESSIE	CUTTERHEAD DREDGE, 8" DIA DISCHARGE, 20 ' MAX DEPTH, 3200 GPM	175 HP G		$136,264	46.77	8.06	11.58	2.27	15.54	106
	M10KK004	8D- NESSIE	CUTTERHEAD DREDGE, 8" DIA DISCHARGE, 20 ' MAX DEPTH, 3200 GPM	250 HP D-off		$142,033	38.99	8.39	12.07	2.36	9.43	116
	M10KK005	8DX- NESSIE	CUTTERHEAD DREDGE, 8" DIA DISCHARGE, 20 ' MAX DEPTH, 4500 GPM	250 HP D-off		$167,768	43.78	9.92	14.26	2.79	9.43	163
	SUBCATEGORY 0.22		**HYDRAULIC CUTTERHEAD DREDGE,8" - 12",TRANSPORTABLE**									
			DELTA DREDGE & PUMP CORPORATION									
	M10DD001	212D-MAXI	CUTTERHEAD DREDGE, 12" DIA DISCHARGE	425 HP D-off		$561,270	117.50	29.91	42.10	8.86	16.03	580

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
M10			***DELTA DREDGE & PUMP CORPORATION (continued)***									
	M10DD002	212E-MAXI	CUTTERHEAD DREDGE, 12" DIA DISCHARGE	500 HP E		$819,009	169.11	43.64	61.43	12.93	18.80	580
			DREDGING SUPPLY COMPANY									
	M10DS004	SHARK	10" DREDGE, 10"X10-32" DREDGE PUMP, 31' CUTTERHEAD, CAT 3406 ENGINE	402 HP D-off		$262,737	65.18	14.01	19.71	4.15	15.16	620
	M10DS011	SHARK	12" DREDGE, 12"X12-32" DREDGE PUMP	500 HP D-off		$318,975	79.73	17.00	23.92	5.04	18.86	740
	M10DS005	BARRACUDA	10" SWINGING LADDER/COMBO DREDGE, 10"X10" DREDGE PUMP, CAT3406 ENGINE	460 HP D-off		$286,414	72.15	15.26	21.48	4.52	17.35	720
	M10DS007	BARRACUDA	12" SWINGING LADDER/COMBO DREDGE, CATERPILLAR 3408 ENGINE	505 HP D-off		$342,554	84.03	18.26	25.69	5.41	19.05	830
	M10DS009	SHARK 750	14" DREDGE, CAT 3412	500 HP D-off		$532,305	116.29	28.37	39.92	8.41	18.86	740
	M10DS010	SHARK 1050	16" DREDGE, CAT 3412	500 HP D-off		$676,071	140.94	36.03	50.71	10.68	18.86	740
	SUBCATEGORY 0.23		**HYDRAULIC AUGERHEAD DREDGE,12" OR LESS,TRANSPORTABLE**									
			ELLICOTT MACHINE CORPORATION									
	M10EL004	SP815	MUD CAT AUGERHEAD, 6" DISCHARGE DIAMETER	161 HP D-off		$185,772	44.91	10.98	15.79	3.09	6.07	330
	M10EL005	SP915	MUD CAT AUGERHEAD, 6" DISCHARGE DIAMETER	175 HP D-off		$228,923	54.18	13.54	19.46	3.81	6.60	350
	M10EL006	SP920	MUD CAT AUGERHEAD, 6" DISCHARGE DIAMETER	175 HP D-off		$271,977	62.71	16.08	23.12	4.52	6.60	360
	M10EL007	MC915	MUD CAT AUGERHEAD, 8" DISCHARGE DIAMETER	228 HP D-off		$207,931	52.67	12.30	17.67	3.46	8.60	400
	M10EL008	MC920	MUD CAT AUGERHEAD, 8" DISCHARGE DIAMETER	228 HP D-off		$249,997	61.01	14.79	21.25	4.16	8.60	410
			H & H PUMP & DREDGE									
	M10HH006	MDS-80-6	MINI-AUGER TYNE CUTTER, 8' WIDE, 6" DIAMETER DISCHARGE	100 HP D-off		$71,371	19.17	4.22	6.07	1.19	3.77	95
	M10HH001	MDS-150-08	MODULAR DREDGING SYSTEM, 8" DIAMETER DISCHARGE WITH 8' WIDE AUGER-TYNE CUTTERHEAD	150 HP D-off		$113,696	30.06	6.72	9.66	1.89	5.66	140

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
M10			***H & H PUMP & DREDGE (continued)***									
	M10HH002	MDS-150-10	MODULAR DREDGING SYSTEM, 10" DIAMETER DISCHARGE WITH 8' WIDE AUGER-TYNE CUTTERHEAD	150 HP D-off		$115,036	30.33	6.80	9.78	1.91	5.66	142
	M10HH003	MDS-177-08	MODULAR DREDGING SYSTEM, 8" DIAMETER DISCHARGE WITH 8' WIDE AUGER-TYNE CUTTERHEAD	177 HP D-off		$121,178	32.91	7.16	10.30	2.01	6.68	150
	M10HH004	MDS-177-10	MODULAR DREDGING SYSTEM, 10" DIAMETER DISCHARGE WITH 8' WIDE AUGER-TYNE CUTTERHEAD	177 HP D-off		$122,517	33.18	7.25	10.41	2.04	6.68	152
	M10HH005	MDS-177-12	MODULAR DREDGING SYSTEM, 12" DIAMETER DISCHARGE WITH 8' WIDE AUGER-TYNE CUTTERHEAD	177 HP D-off		$124,578	33.59	7.37	10.59	2.07	6.68	155
	SUBCATEGORY 0.24		**HYDRAULIC FLOATING PUMPS,12" OR LESS,TRANSPORTABLE**									
			CRISAFULLI PUMP									
	M10CP005		3" FLUMP, UNMANNED, REMOTE CABLE CONTROLLED, AQUATIC MAINTENANCE SYSTEM WITH 48" AUGER CUTTERHEAD (ADD DISCHARGE LINE & CABLE SYSTEM)	25 HP E		$47,234	12.52	3.43	5.31	0.78	0.94	34
	M10CP004		4" FLUMP, UNMANNED, REMOTE CABLE CONTROLLED, AQUATIC MAINTENANCE SYSTEM, WITH 90" AUGER CUTTERHEAD (ADD DISCHARGE LINE & CABLE SYSTEM)	40 HP E		$50,873	14.23	3.70	5.72	0.84	1.50	38
	SUBCATEGORY 0.26		**HYDRAULIC DREDGE / PUMP ATTACHMENTS**									
			CRISAFULLI PUMP									
	M10CP014		4" DIA FLUMP FLOATING DISCHARGE LINE, ALUMINUM WITH ALUMINUM FLOATS, 0-500' (20' ASSEMBLY)			$458	0.28	0.04	0.06	0.01	0.00	1
	M10CP018		4" DIA FLUMP FLOATING DISCHARGE LINE, ALUMINUM WITH FOAM FLOATS, 0-500' (20' ASSEMBLY)			$747	0.41	0.07	0.11	0.01	0.00	2
	M10CP010		4" DIA FLUMP FLOATING DISCHARGE LINE POLYETHYLENE, WITH FOAM FLOATS, 0-500' (25' ASSEMBLY)			$964	0.48	0.09	0.14	0.02	0.00	2

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
M10			***CRISAFULLI PUMP (continued)***									
	M10CP015		6" DIA FLUMP FLOATING DISCHARGE LINE, ALUMINUM WITH ALUMINUM FLOATS, 0-500' (20' ASSEMBLY)			$559	0.36	0.05	0.08	0.01	0.00	2
	M10CP019		6" DIA FLUMP FLOATING DISCHARGE LINE, ALUMINUM WITH FOAM FLOATS, 0-500' (20' ASSEMBLY)			$895	0.46	0.09	0.13	0.02	0.00	3
	M10CP011		6" DIA FLUMP FLOATING DISCHARGE LINE, POLYETHYLENE, WITH FOAM FLOATS, 0-500' (20' ASSEMBLY)			$1,180	0.58	0.11	0.17	0.02	0.00	2
	M10CP020		8" DIA DREDGE FLOATING DISCHARGE LINE, ALUMINUM WITH ALUMINUM FLOATS, 0-500' (20' ASSEMBLY)			$717	0.45	0.06	0.10	0.01	0.00	3
	M10CP016		8" DIA DREDGE FLOATING DISCHARGE LINE, ALUMINUM WITH FOAM FLOATS, 0-500' (20' ASSEMBLY)			$1,027	0.54	0.10	0.15	0.02	0.00	3
	M10CP012		8" DIA DREDGE FLOATING DISCHARGE LINE, POLYETHYLENE, WITH FOAM FLOATS, 0-500' (25' ASSEMBLY)			$1,413	0.70	0.13	0.20	0.03	0.00	3
	M10CP017		10" DIA DREDGE FLOATING DISCHARGE LINE, ALUMINUM WITH FOAM FLOATS, 0-500' (20' ASSEMBLY)			$1,326	0.67	0.12	0.19	0.02	0.00	4
	M10CP013		10" DIA DREDGE FLOATING DISCHARGE LINE, POLYETHYLENE, WITH FOAM FLOATS, 0-500' (25' ASSEMBLY)			$1,777	0.79	0.16	0.25	0.03	0.00	4
	M10CP006		FLUMP MANUAL TRAVERSING CABLING SYSTEM, 2-POST, 500' CABLE, 2000 LB. CAP			$1,215	0.64	0.11	0.17	0.02	0.00	3
	M10CP008		FLUMP MANUAL TRANSVERSING CABLING SYS, 4-POST, 400'X200' CABLE, 2000 LB CAP			$7,608	2.64	0.68	1.08	0.14	0.00	8
	M10CP007		DREDGE MANUAL TRAVERSING CABLING SYS, 2-POST, 700' CABLE, 4000 LB CAP			$2,414	1.07	0.21	0.34	0.04	0.00	5
	M10CP009		DREDGE MANUAL TRAVERSING CABLING SYSTEM 4-POST, 600'X200', 4000 LB CAP			$9,677	3.31	0.86	1.37	0.17	0.00	12
	SUBCATEGORY 0.32		**SMALL MECH DREDGES, AMPHIBIOUS EXCAVATORS**									
			TRANSCOASTAL MARINE SERVICES									
	M10KR001	45528-18	0.75 CY AMPHIBIOUS EXCAVATOR (CATERPILLAR MODEL 320)	128 HP D-off		$267,120	64.38	15.80	22.71	4.44	3.89	590

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
M10			***TRANSCOASTAL MARINE SERVICES (continued)***									
	M10KR002	5528-18	1.00 CY AMPHIBIOUS EXCAVATOR (CATERPILLAR MODEL 325)	168 HP D-off		$314,325	76.51	18.59	26.72	5.23	5.10	730
	SUBCATEGORY 0.33		**SMALL MECH DREDGES,HOE-MOUNTED DREDGING ATTACH**									
			ELLICOTT MACHINE CORPORATION									
	M10EL009	HMDE-50	BACKHOE MOUNTED DREDGING EXCAVATOR, 6"-8" DISCHARGE DIAMETER (ADD 50 HP EXCAVATOR)			$237,496	27.76	8.79	10.09	3.75	0.00	75
	M10EL010	HMDE-60	BACKHOE MOUNTED DREDGING EXCAVATOR, 8"-12" DISCHARGE DIAMETER (ADD 100 HP EXCAVATOR)			$400,315	46.11	14.83	17.01	6.32	0.00	180
	M10EL011	HMDE-94	BACKHOE MOUNTED DREDGING EXCAVATOR, 10"-14" DISCHARGE DIAMETER (ADD 300 HP EXCAVATOR)			$432,941	49.79	16.04	18.40	6.84	0.00	265
	M10EL012	HMDE-120	BACKHOE MOUNTED DREDGING EXCAVATOR, 14"-18" DISCHARGE DIAMETER (ADD 500 HP EXCAVATOR)			$863,236	98.28	31.98	36.69	13.63	0.00	850
	SUBCATEGORY 0.41		**WORK FLOATS (NON-DREDGING)**									
			MARINE INLAND FABRICATERS									
	M10MZ001		20' X 8' X 2' WORK FLOAT, MEDIUM DUTY			$4,841	1.30	0.45	0.73	0.08	0.00	43
	M10MZ002		25' X 8' X 2' WORK FLOAT, MEDIUM DUTY			$5,277	1.41	0.48	0.79	0.09	0.00	53
	M10MZ003		30' X 10' X 3' WORK FLOAT, MEDIUM DUTY			$7,983	2.14	0.74	1.20	0.14	0.00	82
	SUBCATEGORY 0.42		**WORK BARGES (SECTIONAL, NON-DREDGING)**									
			MARINE INLAND FABRICATERS									
	M10MZ004		35' X 10' X 3' WORK BARGE, MEDIUM DUTY			$12,684	2.26	0.77	1.14	0.20	0.00	131
	M10MZ005	RAKE	40' X 12' X 4' WORK BARGE, MEDIUM DUTY WITH ONE BUCKHEAD & SPUDS			$20,528	3.67	1.26	1.85	0.33	0.00	193
	M10MZ006		45' X 12' X 4' WORK BARGE, MEDIUM DUTY WITH ONE BUCKHEAD & SPUDS			$23,218	4.14	1.42	2.09	0.37	0.00	220
	M10MZ007		50' X 14' X 4' WORK BARGE, MEDIUM DUTY			$25,681	4.58	1.56	2.31	0.41	0.00	273
	M10MZ008		55' X 14' X 5' WORK BARGE, MEDIUM DUTY			$31,317	5.59	1.91	2.82	0.50	0.00	319

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/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				$37,446	6.68	2.29	3.37	0.60	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		$31,707	11.16	1.65	2.25	0.52	4.25	95
	M10MZ011	MUSTANG	25' 3" X 10' X 3'6" TRUCKABLE WORKBOAT WITH PILOT HOUSE & PUSH KNEES	210 HP	D-off		$41,865	15.84	2.17	2.97	0.69	6.38	190
			SEAARK MARINE										
	M10SM001	17'	17' LITTLE GIANT, UTILITY SERIES,W/CABIN TRI-HULL, CAPACITY 2000 LBS, OUTBOARD	150 HP	G		$39,846	21.17	2.06	2.82	0.65	10.82	18
	M10SM002	19'	19' LITTLE GIANT, UTILITY SERIES,W/CABIN TRI-HULL, CAPACITY 2400 LBS, OUTBOARD	200 HP	G		$42,429	26.55	2.19	3.01	0.69	14.43	20
	M10SM003	21'	21' LITTLE GIANT, UTILITY SERIES,W/CABIN TRI-HULL, CAPACITY 2800 LBS, OUTBOARD	200 HP	G		$44,573	26.89	2.31	3.16	0.73	14.43	24
	M10SM004	23'	23' LITTLE GIANT, UTILITY SERIES,W/CABIN TRI-HULL, CAPACITY 3400 LBS, STERN DRIVE	250 HP	G		$48,758	32.52	2.53	3.45	0.80	18.04	28
	M10SM005	18'	18' RIVER RUNNER, VEE HULL, NO CABIN, O/B ENGINE, CAPACITY 1350 LBS	115 HP	G		$18,041	14.28	0.94	1.28	0.30	8.30	15
	M10SM006	20'	20' RIVER RUNNER, VEE HULL, NO CABIN, O/B ENGINE, CAPACITY 1650 LBS	115 HP	G		$19,977	14.59	1.04	1.42	0.33	8.30	15
	M10SM007	17'	17' ROUSTABOUT, TRI HULL, NO CABIN, O/B ENGINE, CAPACITY 2200 LBS	150 HP	G		$30,648	19.72	1.59	2.17	0.50	10.82	16
	M10SM008	19'	19' ROUSTABOUT, TRI HULL, NO CABIN, O/B ENGINE, CAPACITY 2600 LBS	200 HP	G		$33,491	25.14	1.74	2.37	0.55	14.43	17
	M10SM009	21'	21' ROUSTABOUT, TRI HULL, NO CABIN, O/B ENGINE, CAPACITY 3000 LBS	200 HP	G		$35,684	25.49	1.84	2.53	0.58	14.43	25
	M10SM010	23'	23' ROUSTABOUT, TRI HULL, NO CABIN, O/B ENGINE, CAPACITY 3600 LBS	200 HP	G		$38,492	25.93	2.00	2.73	0.63	14.43	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		$55,729	29.15	2.89	3.95	0.91	14.79	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		$61,817	34.58	3.20	4.38	1.01	18.04	41

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	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		$50,434	28.32	2.61	3.57	0.83	14.79	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		$57,333	33.87	2.97	4.06	0.94	18.04	42
	SUBCATEGORY 0.53		**BOATS & LAUNCHES, 251 THRU 500 HP**										
			MARINE INLAND FABRICATERS										
	M10MZ012	STALLION	25' 3" X 12' X 4' TRUCKABLE WORKBOAT WITH TWIN ENGINE & PUSH KNEES	350 HP	D-off		$89,702	28.48	4.17	5.45	1.45	10.63	210
	M10MZ013	CLYDESDALE	25' 3" X 14' X 4'6" TRUCKABLE WORKBOAT	350 HP	D-off		$107,813	31.12	5.01	6.55	1.74	10.63	260
			SEAARK MARINE										
	M10SM014	2608-C	25' 10" SURVEYOR SERIES, STERN DRIVE, TRI HULL, CAPACITY 4500 LBS, W/ CABIN	300 HP	G		$62,475	38.92	2.91	3.79	1.01	21.65	37
	M10SM015	2610-C	26' 8" SURVEYOR SERIES, TWIN STERN DRIVE , TRI HULL, CAPACITY 6000 LBS, W/CABIN	415 HP	G		$95,976	55.22	4.46	5.83	1.55	29.94	58
	M10SM017	3512-B	36' TRANSPORTER, 12' BEAM, TWIN STERN DRIVE, W/CABIN & PUSH KNEES	410 HP	G		$106,227	56.23	4.95	6.45	1.72	29.58	120
	M10SM018	4014-B	40' TRANSPORTER, 14' BEAM, TWIN STERN DRIVE, W/CABIN & PUSH KNEES	400 HP	D-off		$143,138	38.46	6.65	8.69	2.31	12.14	200
	M10SM019	4614-B	46' TRANSPORTER, 14' BEAM, TWIN STERN DRIVE, W/CABIN & PUSH KNEES	400 HP	D-off		$171,543	42.61	7.98	10.42	2.77	12.14	240
	SUBCATEGORY 0.54		**TUGS, 501 THRU 1,000 HP**										
			SEAARK MARINE										
	M10SM020	4013V	40' DAUNTLESS, 14' BEAM, CABIN, DEEP V BOTTOM, TWIN INBOARD, RADAR & 4 KW GEN SET	600 HP	D-off		$297,800	58.89	11.23	13.40	4.53	17.11	280
	M10SM021	4414V	44' DAUNTLESS, 14' BEAM, CABIN, DEEP V BOTTOM, TWIN INBOARD, RADAR & 8 KW GEN SET	1,000 HP	D-off		$439,844	91.67	16.57	19.79	6.68	28.52	320

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
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		$93,933	34.06	6.94	10.18	1.85	5.31	130
	P10IC002	416L	DRIVER/EXTRACTOR, 40 TON LINE-PULL	300 HP	D-off		$147,894	54.64	10.92	16.02	2.91	9.11	207
	P10IC003	612	DRIVER/EXTRACTOR, 40-TON LINE-PULL	300 HP	D-off		$185,538	65.36	13.70	20.10	3.65	9.11	235
	P10IC004	815	DRIVER/EXTRACTOR, 50 TON LINE-PULL	503 HP	D-off		$235,695	88.12	17.41	25.53	4.64	15.27	316
	P10IC005	1412B	DRIVER/EXTRACTOR, 150 TON LINE-PULL	800 HP	D-off		$374,553	140.07	27.66	40.58	7.37	24.29	525
	P10IC010		SWING LEAD, 26" X 86'				$20,555	5.85	1.52	2.23	0.40	0.00	101
	P10IC011		FIXED LEAD, 26" X 86', W/SPOTTER	13 HP	D-off		$38,927	11.63	2.88	4.22	0.77	0.39	134
	P10IC012		SWING LEAD, 32" X 88'				$25,245	7.19	1.87	2.73	0.50	0.00	155
	P10IC013		FIXED LEAD, 32" X 88', W/SPOTTER	13 HP	G		$42,850	13.48	3.16	4.64	0.84	0.94	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)				$39,035	14.66	2.89	4.23	0.77	0.00	52
	P20IC002	440	18,100 FT-LBS, MAXIMUM STROKE 4'8" (ADD LEADS & CRANE)				$89,851	32.75	6.63	9.73	1.77	0.00	122
	P20IC003	520	30,000 FT-LBS, MAXIMUM STROKE 5'11" (ADD LEADS & CRANE)				$86,712	32.27	6.41	9.39	1.71	0.00	159
	P20IC004	640	40,000 FT-LBS, MAXIMUM STROKE 6'8" (ADD LEADS & CRANE)				$92,245	34.82	6.82	9.99	1.82	0.00	169
			MKT MANUFACTURING, INC.										
	P20MK001	DA-15C	8,200 FT-LBS, MAXIMUM STROKE 10'-6", DIESEL (ADD LEADS & CRANE)				$48,785	18.01	3.61	5.29	0.96	0.00	60
	P20MK002	5	1,000 FT-LBS, MAXIMUM STROKE 7" (ADD COMPRESSOR, LEADS & CRANE)	250 CFM	A		$18,639	6.90	1.38	2.02	0.37	0.00	17

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
P20			***MKT MANUFACTURING, INC. (continued)***									
	P20MK003	6	2,500 FT-LBS, MAXIMUM STROKE 8.75" (ADD COMPRESSOR, LEADS & CRANE)	400 CFM A		$22,746	8.81	1.68	2.46	0.45	0.00	31
	P20MK004	7	4,150 FT-LBS, MAXIMUM STROKE 9.5" (ADD COMPRESSOR, LEADS & CRANE)	450 CFM A		$28,436	11.01	2.10	3.08	0.56	0.00	50
	P20MK005	9B3	8,750 FT-LBS, MAXIMUM STROKE 17" (ADD COMPRESSOR, LEADS & CRANE)	600 CFM A		$46,271	17.13	3.42	5.01	0.91	0.00	74
	P20MK006	10B3	13,100 FT-LBS, MAXIMUM STROKE 19" (ADD COMPRESSOR, LEADS & CRANE)	750 CFM A		$50,806	19.94	3.75	5.50	1.00	0.00	114
	P20MK007	11B3	19,150 FT-LBS, MAXIMUM STROKE 19" (ADD COMPRESSOR, LEADS & CRANE)	900 CFM A		$57,064	22.09	4.21	6.18	1.12	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)			$42,608	14.75	3.15	4.62	0.84	0.00	38
	P25DL002	D8-22	18,000 FT-LBS, MAXIMUM STROKE 11'8" (ADD LEADS & CRANE)			$44,722	15.72	3.30	4.84	0.88	0.00	42
	P25DL003	D12-32	31,320 FT-LBS, MAXIMUM STROKE 11'8" (ADD LEADS & CRANE)			$49,061	17.08	3.63	5.31	0.97	0.00	63
	P25DL004	D19-32	42,800 FT-LBS, MAXIMUM STROKE 11'8" (ADD LEADS & CRANE)			$66,599	23.35	4.92	7.21	1.31	0.00	76
	P25DL005	D25-32	58,248 FT-LBS, MAXIMUM STROKE 11'8" (ADD LEADS & CRANE)			$98,821	34.65	7.31	10.71	1.95	0.00	122
	P25DL006	D30-32	69,898 FT-LBS, MAXIMUM STROKE 11'8" (ADD LEADS & CRANE)			$104,587	37.15	7.72	11.33	2.06	0.00	133
	P25DL007	D36-32	83,880 FT-LBS, MAXIMUM STROKE 11'8" (ADD LEADS & CRANE)			$130,862	46.17	9.67	14.18	2.58	0.00	174
	P25DL008	D46-32	107,177 FT-LBS, MAXIMUM STROKE 11'8" (ADD LEADS & CRANE)			$141,464	51.10	10.46	15.33	2.79	0.00	196
	P25DL009	D62-22	165,000 FT-LBS, MAX STROKE 11'8" (ADD LEADS & CRANE)			$268,676	93.57	19.84	29.11	5.29	0.00	280
	P25DL010	D80-23	225,000 FT-LBS, MAX STROKE 11'8" (ADD LEADS & CRANE)			$384,758	132.79	28.42	41.68	7.58	0.00	377
	P25DL011	D100-13	300,000 FT-LBS, MAX STROKE 11'8" (ADD LEADS & CRANE)			$411,686	143.16	30.41	44.60	8.11	0.00	454

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			INTERNATIONAL CONSTRUCTION EQUIPMENT									
	P25IC001	30S	22,500 FT-LBS, MAXIMUM STROKE 7' 8"			$60,493	21.78	4.46	6.55	1.19	0.00	73
	P25IC002	42S	42,000 FT-LBS, MAXIMUM STROKE 10' 5"			$73,330	27.18	5.41	7.94	1.44	0.00	91
	P25IC003	60S	60,000 FT-LBS, MAXIMUM STROKE 10' 5"			$116,626	42.15	8.62	12.63	2.30	0.00	161
	P25IC004	80S	80,000 FT-LBS, MAXIMUM STROKE 12' 5"			$136,256	49.40	10.06	14.76	2.68	0.00	175
	P25IC005	100S	100,000 FT-LBS, MAXIMUM STROKE 12' 0"			$177,123	63.59	13.09	19.19	3.49	0.00	220
	P25IC006	120S	120,000 FT-LBS, MAXIMUM STROKE 12' 5"			$210,875	75.45	15.57	22.84	4.15	0.00	274
			MKT MANUFACTURING, INC.									
	P25MK002	DA-35C	23,800 FT-LBS, MAXIMUM STROKE 10' 6", DIESEL			$64,429	23.36	4.76	6.98	1.27	0.00	113
	P25MK001	DE-33/30/20C	33,000 FT-LBS, MAXIMUM STROKE 10' 6",			$59,207	21.66	4.38	6.41	1.17	0.00	78
	P25MK003	DE-70/50C	70,000 FT-LBS,MAXIMUM STROKE 10' 9", 7000# RAM, DIESEL			$91,742	33.85	6.78	9.94	1.81	0.00	150
			VULCAN IRON WORKS, INC.									
	P25VU002	306	18,000 FT-LBS (ADD COMPR, LEADS & CRANE)	750 CFM A		$63,096	22.93	4.66	6.84	1.24	0.00	121
	P25VU003	505	25,000 FT-LBS (ADD COMPR, LEADS & CRANE)	600 CFM A		$62,639	22.78	4.63	6.79	1.23	0.00	127
	P25VU004	506	32,500 FT-LBS (ADD COMPR, LEADS & CRANE)	900 CFM A		$64,083	23.24	4.73	6.94	1.26	0.00	140
	P25VU005	508	40,000 FT-LBS (ADD COMPR, LEADS & CRANE)	900 CFM A		$86,231	30.41	6.37	9.34	1.70	0.00	202
	P25VU010	510	50,000 FT-LBS (ADD COMPR, LEADS & CRANE)	1,050 CFM A		$88,718	29.67	6.55	9.61	1.75	0.00	222
	P25VU011	512	60,000 FT-LBS (ADD COMPR, LEADS & CRANE)	1,200 CFM A		$89,248	30.06	6.59	9.67	1.76	0.00	242
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		$88,656	36.01	6.55	9.60	1.75	5.31	118

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
P30			*MKT MANUFACTURING, INC. (continued)*										
	P30MK002	V-17	MAXIMUM DRIVING FORCE 90 TON	325 HP	D-off		$147,836	61.45	10.92	16.02	2.91	9.87	211
	P30MK003	V-20B	MAXIMUM DRIVING FORCE 107 TON	325 HP	D-off		$151,711	62.70	11.21	16.44	2.99	9.87	211
	P30MK004	V-30	MAXIMUM DRIVING FORCE 180 TON	600 HP	D-off		$238,296	102.22	17.60	25.82	4.69	18.22	345
			VULCAN IRON WORKS, INC.										
	P30VU001	400A	17 TON, DRIVER/EXTRAXTOR	58 HP	D-off		$51,905	19.22	3.83	5.62	1.02	1.76	50
	P30VU002	1150A	42 TON, DRIVER/EXTRACTOR	155 HP	D-off		$111,702	42.64	8.25	12.10	2.20	4.71	138
	P30VU003	2300A	84 TON, DRIVER/EXTRACTOR	360 HP	D-off		$166,475	68.93	12.30	18.03	3.28	10.93	166
	P30VU004	4600A	167 TON, DRIVER/EXTRACTOR	560 HP	D-off		$236,547	99.97	17.48	25.63	4.66	17.00	246
P35	**PIPELAYERS**												
	SUBCATEGORY 0.00		**PIPELAYERS**										
			CATERPILLAR, INC.										
	P35CA001	561H	15 FT BOOM, 40,000 LB CAPACITY	105 HP	D-off		$169,849	27.91	7.17	8.49	2.92	1.74	341
	P35CA003	572G	18 FT BOOM, 90,000 LB CAPACITY	200 HP	D-off		$313,776	51.71	13.25	15.69	5.40	3.31	603
	P35CA005	578	20 FT BOOM, 155,000 LB CAPACITY	300 HP	D-off		$439,915	72.99	18.58	22.00	7.58	4.97	1,019
	P35CA006	589	28 FT BOOM, 230,000 LB CAPACITY	420 HP	D-off		$608,381	101.07	25.69	30.42	10.48	6.96	1,451
P40	**PLATFORMS & MAN-LIFTS**												
	SUBCATEGORY 0.00		**PLATFORMS & MAN-LIFTS**										
			GROVE WORLDWIDE (Includes GROVE & MANLIFT)										
	P40GV001	SM3184	SCISSOR, MAN-LIFT, 31' HT, 2000# CAP	20 HP	G		$32,821	9.28	2.19	3.23	0.58	1.11	78
	P40GV002	SM3884	SCISSOR, MAN-LIFT, 38' HT, 1750# CAP	20 HP	G		$37,406	10.38	2.46	3.61	0.66	1.11	94
	P40GV003	SM4688	SCISSOR, MAN-LIFT, 46' HT, 1500# CAP	20 HP	G		$44,628	12.08	2.95	4.33	0.78	1.11	106
	P40GV004	MZ48B	BOOM MTD MAN-LIFT, 48' HT, 600# CAP, S/P	30 HP	G		$75,125	20.64	5.03	7.41	1.32	1.67	115
	P40GV005	MZ66A	BOOM MTD MAN-LIFT, 66' HT, 850# CAP, S/P	62 HP	G		$116,577	33.05	7.67	11.24	2.05	3.44	297
	P40GV006	MZ76	BOOM MTD MAN-LIFT, 76' HT, 750# CAP, S/P	62 HP	G		$138,297	38.04	9.05	13.25	2.43	3.44	360
	P40GV007	MZ90	BOOM MTD MAN-LIFT, 90' HT, 750# CAP, S/P	62 HP	G		$164,133	44.15	10.81	15.84	2.89	3.44	417
	P40GV008	MZ116D	BOOM MTD MAN-LIFT, 116' HT, 700# CAP	62 HP	G		$230,357	59.87	15.28	22.46	4.05	3.44	430

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
P40			***GROVE WORLDWIDE (Includes GROVE & MANLIFT) (continued)***										
	P40GV009	AMZ40BXT	ARTIC BOOM MAN-LIFT, 40'HT,500# CAP, 4WD	20 HP	G		$52,387	14.52	3.51	5.18	0.92	1.11	110
	P40GV010	AMZ50XT	ARTIC BOOM MAN-LIFT, 50'H, 600# CAP, 4WD	33 HP	G		$67,119	18.99	4.50	6.65	1.18	1.83	157
	P40GV011	AMZ66XT	ARTIC BOOM MAN-LIFT, 66'H, 600# CAP, 4WD	53 HP	G		$117,889	32.58	7.81	11.49	2.07	2.94	233
			REACH ALL										
	P40RE001	AP41MH	LINE TRUCK W/AERIAL PLATFORM, 32' REACH, WORKING HEIGHT 46', 2100# CAPACITY	165 HP	G		$86,430	33.53	5.78	8.51	1.52	9.16	160
P45	**PUMPS, GROUT**												
	SUBCATEGORY 0.00		**PUMPS, GROUT**										
			AIRPLACO										
	P45AF001	HJ-30	PRESSURE GROUT/MUD JACKING, HYDRAULIC PUMP, 250 CF/HR, 600 PSI	37 HP	G		$34,491	14.67	2.41	3.64	0.59	3.90	40
	P45AF002	HG-5	GROUT PUMP, MANUAL OPERATED 12CFH (90 GAL), 0-100 PSI, 1.5 GPM				$752	0.20	0.05	0.08	0.01	0.00	1
	P45AF003	HG-8	GROUT PUMP W/HOPPER MANUAL OPERATED 15CFH (112 GAL),0-100 PSI, 2 GPM				$1,172	0.31	0.08	0.12	0.02	0.00	1
	P45AF004	HGA-50	GROUT PUMP W/HOPPER, AIR POWERED, 50CFH (374 GAL),0-250 PSI, W/GROUT PLANT 6 GPM		A		$3,522	0.95	0.25	0.37	0.06	0.00	5
	P45AF005	HJ-155G	GROUT PUMP W/GROUT MIXER 110 CFH (SINGLE CYCLE), 400 PSI	11 HP	G		$10,955	4.56	0.77	1.16	0.19	1.16	5
	P45AF006	HJ-150G	JACK GROUT PUMP W/GROUT MIXER 180 CFH (DUAL CYCLE), 400 PSI	11 HP	G		$11,948	4.82	0.83	1.27	0.20	1.16	5
	P45AF007	P-280 HD	UNI-CRETOR CONCRETE/SHOTCRETE PUMP HD, 28 CYH	30 HP	D-off		$22,878	7.95	1.60	2.41	0.39	1.35	25
			CHEMGROUT INC.										

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
P45			***CHEMGROUT INC. (continued)***										
	P45CG001	CG-050	GROUT PUMP, PORTABLE, 5 GPM, 100 PSI (ADD AIR COMPRESSOR)	15 CFM	A		$2,816	0.81	0.20	0.30	0.05	0.00	1
	P45CG002	CG-550P	GROUT PLANT/MIXER, 5 GPM, 100 PSI (ADD AIR COMPRESSOR)	85 CFM	A		$5,065	1.47	0.36	0.54	0.09	0.00	3
	P45CG003	CG-500	GROUT PLANT, 1-20 GPM, 100 PSI (ADD AIR COMPRESSOR)	230 CFM	A		$13,798	3.88	0.97	1.47	0.24	0.00	11
	P45CG007	CG-570H	THICK MIX PUMP/SPRAYER SYS, 8 GPM, SKID MOUNTED (INCLS AIR COMPR)	16 HP	G		$14,776	6.32	1.04	1.57	0.25	1.69	10
	P45CG006	CG-575	THICK MIX PUMP/SPRAYER SYS, 8 GPM, TRAILER MOUNTED (INCLS AIR COMPR)	16 HP	G		$15,593	6.54	1.09	1.64	0.27	1.69	15
P50	**PUMPS, WATER, CENTRIFUGAL, TRASH**												
	SUBCATEGORY 0.11		**SKID MOUNTED, ENGINE DRIVE**										
			HOMELITE COMPANY, SUBSIDIARY OF DEERE & COMPANY										
	P50HO001	121TP2	2" DIA - 10,400 GPH AT 25' HEAD, TRASH	5 HP	G		$1,059	0.95	0.07	0.10	0.02	0.50	1
	P50HO003	120TP3	3" DIA - 19,680 GPH AT 25' HEAD, TRASH	8 HP	G		$1,439	1.45	0.10	0.13	0.03	0.80	2
	P50HO005	VTP4	4" DIA - 39,720 GPH AT 25' HEAD, TRASH	16 HP	G		$3,009	2.93	0.19	0.28	0.05	1.60	4
			MARLOW PUMPS										
	P50ML007	1-1/2 HER49EL	1.5" DIA - 93 GPM AT 53' HEAD	3 HP	G		$1,226	0.70	0.07	0.11	0.02	0.30	1
	P50ML019	2MLWH	2" DIA - 90 GPM AT 20' HEAD	4 HP	G		$872	0.70	0.06	0.08	0.02	0.35	1
	P50ML020	3MLWH	3" DIA - 210 GPM AT 20' HEAD	5 HP	G		$1,120	0.97	0.07	0.11	0.02	0.50	1
	P50ML008	3CR18EL	3" DIA - 372 GPM AT 97' HEAD	9 HP	G		$2,226	1.78	0.14	0.21	0.04	0.90	4
	P50ML009	4DR4EL	4" DIA - 750 GPM AT 145' HEAD	32 HP	G		$3,360	5.22	0.22	0.32	0.06	3.20	5
	P50ML010	4DR5EL	4" DIA - 645 GPM AT 106' HEAD	32 HP	G		$3,699	5.31	0.25	0.35	0.07	3.20	5
			WACKER CORPORATION										
	P50WC001	PT 2A	2" DIA - 235 GPM AT 100' HEAD, TRASH	5 HP	G		$1,389	1.03	0.10	0.13	0.03	0.50	1
	P50WC005	PTS 4V	4" DIA - 625 GPM AT 87' HEAD, TRASH	12 HP	D-off		$3,613	1.63	0.24	0.34	0.07	0.51	6
	P50WC004	PT 6LT	6" DIA - 1,300 GPM AT 100' HEAD, TRASH	35 HP	D-off		$15,441	5.91	1.00	1.45	0.28	1.48	22

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.31		**HOSES, PUMP, SUCTION & DISCHARGE**									
			MARLOW PUMPS									
	P50ML011	51052-00	2" DIA X 20' SUCTION HOSE, W/COUPLING			$160	0.11	0.02	0.04	0.00	0.00	1
	P50ML012	51322-00	2" DIA X 20' DISCHARGE HOSE, W/COUPLING			$126	0.09	0.01	0.03	0.00	0.00	1
	P50ML013	51054-00	3" DIA X 20' SUCTION HOSE, W/COUPLING			$268	0.19	0.04	0.06	0.01	0.00	1
	P50ML014	51324-00	3" DIA X 20' DISCHARGE HOSE, W/COUPLING			$225	0.15	0.03	0.05	0.00	0.00	1
	P50ML015	51055-00	4" DIA X 20' SUCTION HOSE, W/COUPLING			$420	0.29	0.06	0.09	0.01	0.00	1
	P50ML016	51325-00	4" DIA X 20' DISCHARGE HOSE, W/COUPLING			$274	0.19	0.04	0.06	0.01	0.00	1
	P50ML017	51303-00	6" DIA X 20' SUCTION HOSE, W/COUPLING			$689	0.47	0.09	0.16	0.01	0.00	2
	P50ML018	51326-00	6" DIA X 20' DISCHARGE HOSE, W/COUPLING			$458	0.31	0.06	0.10	0.01	0.00	2
			WAIN-ROY, INC.									
	P50WN001		2" DIA X 20' SUCTION/DISCHARGE HOSE, WITH COUPLING (PER SECTION)			$143	0.09	0.01	0.03	0.00	0.00	1
	P50WN002		3" DIA X 20' SUCTION/DISCHARGE HOSE, WITH COUPLING (PER SECTION)			$247	0.17	0.03	0.06	0.00	0.00	1
	P50WN003		4" DIA X 20' SUCTION/DISCHARGE HOSE, WITH COUPLING (PER SECTION)			$347	0.24	0.05	0.08	0.01	0.00	1
	P50WN004		6" DIA X 20' SUCTION/DISCHARGE HOSE, WITH COUPLING (PER SECTION)			$557	0.39	0.07	0.13	0.01	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		$15,515	4.61	0.86	1.16	0.28	0.93	11
	P55GF002	6M	6" DIA JET PUMP, SKID MOUNTED (INCLUDES POWER UNIT) MDL 400	22 HP D-off		$19,656	5.48	1.09	1.47	0.35	0.93	12

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.02		**ELECTRIC DRIVE**										
			GORMAN-RUPP COMPANY										
	P55GR001	S2A1	2" DIA - 138 GPM AT 20' HEAD	2 HP	E		$2,574	0.54	0.15	0.19	0.05	0.08	2
	P55GR002	S3A1	3" DIA - 278 GPM AT 20' HEAD	5 HP	E		$3,322	0.86	0.19	0.25	0.06	0.21	3
	P55GR003	S4A1	4" DIA - 860 GPM AT 40' HEAD	25 HP	E		$12,514	3.66	0.69	0.94	0.22	1.06	12
	P55GR004	S6A1	6" DIA - 1,950 GPM AT 40' HEAD	60 HP	E		$15,341	6.38	0.84	1.15	0.27	2.54	14
			WACKER CORPORATION										
	P55WC007	STP 400	2" DIA - 66 GPM AT 36' HEAD	1 HP	E		$521	0.12	0.03	0.04	0.01	0.02	1
	P55WC008	STP 750	2" DIA - 85 GPM AT 59' HEAD	1 HP	E		$951	0.22	0.06	0.07	0.02	0.04	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		$770	0.66	0.05	0.07	0.01	0.35	1
	P60HO003	120S3	3" DIA - 17,600 GPH AT 20' HEAD	8 HP	G		$1,255	1.41	0.08	0.12	0.02	0.80	1
			MARLOW PUMPS										
	P60ML002	4C7	4" DIA - 570 GPM AT 100' HEAD	30 HP	D-off		$11,697	4.70	0.76	1.10	0.21	1.27	10
	P60ML003	6E4P	6" DIA - 1,825 GPM AT 40' HEAD	85 HP	G		$16,740	15.77	1.09	1.57	0.30	8.49	19
	P60ML005	8FB3-1	8" DIA - 2,740 GPM AT 20' HEAD	85 HP	D-off		$23,055	10.84	1.50	2.16	0.42	3.60	29
	P60ML006	10FA61-1	10" DIA - 3,775 GPM AT 20' HEAD	82 HP	D-off		$25,513	11.24	1.66	2.39	0.46	3.47	34
	SUBCATEGORY 0.21		**WHEEL MOUNTED, ENGINE DRIVE**										
			GRIFFIN DEWATERING										
	P60GF005	600/10"T	10" DIA - 3410 GPM AT 60' HEAD, POWER UNIT	83 HP	D-off		$25,382	11.26	1.64	2.36	0.46	3.51	34
	P60GF003	250/4"M	4" DIA - 485 GPM AT 60' HEAD, POWER UNIT,	32 HP	D-off		$16,287	5.91	1.04	1.51	0.29	1.35	19
	P60GF008	250/6"T	6" DIA - 1040 GPM AT 60' HEAD, POWER UNIT,	32 HP	D-off		$16,538	5.98	1.06	1.53	0.30	1.35	19

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
P60			*GRIFFIN DEWATERING (continued)*										
	P60GF004	400/8"T	8" DIA - 1770 GPM AT 60' HEAD, POWER UNIT	61 HP	D-off		$20,862	8.82	1.35	1.94	0.38	2.58	31
	P60GF006	800/12"T	12" DIA - 4410 GPM AT 60' HEAD, POWER UNIT	110 HP	D-off		$29,347	13.88	1.89	2.71	0.53	4.66	40
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		$1,180	0.77	0.07	0.11	0.02	0.35	1
	P65HO002	111DP3-1	3" DIA - 4,800 GPH AT 25' HEAD	4 HP	G		$1,290	0.79	0.08	0.12	0.02	0.35	2
	SUBCATEGORY 0.21		**WHEEL MOUNTED, ENGINE DRIVE**										
			GORMAN-RUPP COMPANY										
	P65GR001	2D-6	2" DIA - 1,260 GPH AT 20' HEAD	1 HP	G		$1,949	0.62	0.13	0.18	0.04	0.12	2
	P65GR002	3D-8	3" DIA - 3,360 GPH AT 25' HEAD	2 HP	G		$1,943	0.66	0.13	0.18	0.04	0.15	2
	P65GR003	4D-88	4" DIA - 4,440 GPH AT 25' HEAD	3 HP	G		$6,516	1.91	0.42	0.61	0.12	0.30	4
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		$1,329	0.58	0.08	0.12	0.02	0.20	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, THREE-SHANK, W/TEETH, & 4 VALVE SYSTEM, INCLUDES HYDRAULIC CONTROLS				$4,823	1.28	0.32	0.48	0.08	0.00	6
	R10CA002	D-3	RIPPER, TEETH, EACH				$223	0.05	0.01	0.02	0.00	0.00	1

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
R10			*CATERPILLAR, INC. (continued)*									
	R10CA005	D-5C111	RIPPER, MULTI-SHANK, W/SINGLE SHANK & HYD CONTROLS			$4,823	1.28	0.32	0.48	0.08	0.00	6
	R10CA006	D-5C111	RIPPER, TEETH, EACH			$223	0.05	0.01	0.02	0.00	0.00	1
	R10CA003	D-4C111	RIPPER, MULTI SHANK, W/SINGLE SHANK, & HYD CONTROLS			$4,823	1.28	0.32	0.48	0.08	0.00	6
	R10CA004	D-4C111	RIPPER, TEETH, EACH			$223	0.05	0.01	0.02	0.00	0.00	1
	R10CA007	D-6R	RIPPER, MULTI-SHANK, W/HYD-CONTROL			$17,654	4.49	1.20	1.77	0.31	0.00	35
	R10CA008	D-6R	RIPPER, SHANKS W/ TOOTH, EACH			$883	0.23	0.07	0.09	0.02	0.00	2
	R10CA009	D-7R	RIPPER, MULTI-SHANK, W/HYD-CONTROL			$31,218	7.87	2.11	3.12	0.55	0.00	65
	R10CA010	D-7R	RIPPER, SHANKS W/ TOOTH, EACH			$1,525	0.38	0.11	0.15	0.03	0.00	3
	R10CA011	D-8R	RIPPER, SINGLE-SHANK, W/HYD-CNTL&SHNK			$36,236	9.14	2.45	3.62	0.64	0.00	86
	R10CA012	D-8R	RIPPER, MULTI-SHANK, W/HYD-CONTROL			$37,498	9.46	2.54	3.75	0.66	0.00	104
	R10CA013	D-8R	RIPPER, SHANK W/ TOOTH, EACH			$3,148	0.79	0.22	0.31	0.06	0.00	7
	R10CA014	D-9R	RIPPER, SINGLE-SHANK, W/HYD-CNTL&SHNK			$48,348	12.22	3.27	4.83	0.85	0.00	98
	R10CA015	D-9R	RIPPER, MULTI-SHANK, W/HYD-CONTROL			$50,225	12.68	3.39	5.02	0.88	0.00	109
	R10CA016	D-9R	RIPPER, SHANK W/ TOOTH, EACH			$3,148	0.79	0.22	0.31	0.06	0.00	7
	R10CA017	D-10R	RIPPER, SINGLE-SHANK			$75,484	19.04	5.11	7.55	1.33	0.00	155
	R10CA018	D-10R	RIPPER, MULTI-SHANK			$79,781	20.12	5.39	7.98	1.40	0.00	156
	R10CA019	D-10R	RIPPER, SHANK W/ TOOTH, EACH			$5,204	1.30	0.35	0.52	0.09	0.00	12
	R10CA020	D-11R	RIPPER, SINGLE-SHANK			$97,163	24.47	6.57	9.72	1.71	0.00	204
	R10CA021	D-11R	RIPPER, MULTI-SHANK			$100,047	25.20	6.76	10.00	1.76	0.00	219
	R10CA022	D-11R	RIPPER, SHANK W/ TOOTH, EACH			$5,740	1.43	0.39	0.57	0.10	0.00	15
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			$109,090	20.40	5.62	7.47	1.88	0.00	309
	R15SO002	C-75	75 TON, 10.5" WIDE, 4 TIRES, STATIC			$120,297	22.79	5.85	7.56	2.07	0.00	347
	R15SO003	C-100XL	100 TON, 10.5" WIDE, 4 TIRES, STATIC			$168,077	31.53	8.58	11.38	2.89	0.00	551

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
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			$61,377	11.66	3.52	4.91	1.06	0.00	200
R30	**ROLLERS, STATIC, SELF-PROPELLED**											
	SUBCATEGORY 0.01		**PNEUMATIC**									
			BOMAG DIVISION, COMPACTION AMERICA									
	R30BO003	BW20R	30 TON, 78.2" WIDE, 8 TIRES, HYDROSTATIC	101 HP D-off		$106,979	27.55	7.01	10.27	1.88	3.07	254
			CATERPILLAR, INC.									
	R30CA010	PS150B	14.25 TON, 68" WIDE, 9 TIRE, ASPH COMPACTOR PNEUMATIC	80 HP D-off		$61,035	16.60	4.04	5.95	1.07	2.43	85
	R30CA011	PS200B	20 TON, 68" WIDE, 9 TIRE, ASPH COMPACTOR PNEUMATIC	107 HP D-off		$71,066	19.85	4.72	6.95	1.25	3.25	87
			HYSTER AMERICA (Lift Trucks)									
	R30HY001	C530A	10-12.5 TON, 68" WIDE, 9 TIRES, P/S	76 HP D-off		$63,185	16.86	4.20	6.17	1.11	2.31	93
			ROSCO MANUFACTURING COMPANY									
	R30RS003	TRU-PAC 915	6-15 TON, 9 TIRES, 68" WIDE, HYDROSTATIC	75 HP D-off		$63,287	16.84	4.20	6.18	1.11	2.28	110
			SAKAI AMERICA, INC.									
	R30SI001	TS160	3 TON, 9 TIRES, 51" WIDE, HYDROSTATIC	18 HP D-off		$45,387	10.69	3.03	4.45	0.80	0.55	66
	R30SI002	TS200	16 TON, 9 TIRES, 81" WIDE, MANUAL	91 HP D-off		$85,571	22.36	5.68	8.36	1.50	2.76	187
	R30SI003	TS600	16 TON, 9 TIRES, 81" WIDE, HYDROSTATIC	93 HP D-off		$106,019	26.92	7.06	10.40	1.86	2.82	187
	R30SI004	TS650C	27 TON, 7 TIRES, 82" WIDE, POWERSHIFT	111 HP D-off		$138,979	34.91	9.21	13.55	2.44	3.37	281

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CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.02		**SMOOTH DRUM**										
			HYSTER AMERICA (Lift Trucks)										
	R30HY002	C330B	3-5 TON, 40" WIDE	50 HP	D-off		$45,271	10.55	2.59	3.62	0.78	1.52	89
	R30HY003	C330B	4-6 TON, 40" WIDE	50 HP	D-off		$55,767	12.54	3.19	4.46	0.96	1.52	103
	R30HY004	C340C	5-8 TON, 50" WIDE	75 HP	D-off		$67,751	15.78	3.87	5.42	1.16	2.28	140
	R30HY005	C340C	8-10 TON, 50" WIDE	75 HP	D-off		$70,188	16.26	4.02	5.62	1.21	2.28	164
	R30HY006	C350D	8-12 TON, 54" WIDE	70 HP	D-off		$78,016	17.54	4.46	6.24	1.34	2.13	173
	R30HY007	C350D	10-14 TON, 54" WIDE, TANDEM	70 HP	D-off		$82,694	18.44	4.73	6.62	1.42	2.13	215
			ROSCO MANUFACTURING COMPANY										
	R30RS001	DLX ROLLPAC III	1.5 TON, 34" WIDE, DOUBLE DRUM	13 HP	G		$9,415	2.99	0.54	0.75	0.16	0.94	14
	R30RS002	STAPAC III	2 TON, 40" WIDE, DOUBLE DRUM	20 HP	G		$12,004	4.13	0.69	0.96	0.21	1.44	23
			SAKAI AMERICA, INC.										
	R30SI005	R2H	12.6 TON, 3 WHEEL, 64" WIDE, HYDROSTATIC	65 HP	D-off		$104,693	22.42	5.99	8.38	1.80	1.97	207
	SUBCATEGORY 0.03		**TAMPING FOOT**										
			CATERPILLAR, INC.										
	R30CA003	815F	22 TON, 56" DIA, TAMPING FOOT (W/0 BLADE) SOIL COMPACTOR	220 HP	D-off		$256,497	57.28	14.67	20.52	4.41	6.68	423
	R30CA012	816F	25 TON, 63" DIA, (W/BLADE) LANDFILL COMPACTOR	220 HP	D-off		$242,004	54.52	13.84	19.36	4.16	6.68	472
	R30CA005	825G	35 TON, 51" DIA, TAMPING FOOT (W/O BLADE) SOIL COMPACTOR, PAD FOOT	315 HP	D-off		$382,531	84.90	21.88	30.60	6.58	9.56	574
	R30CA006	825G	35 TON, 51" DIA, TAMPING FOOT (WITH STRAIGHT BLADE) SOIL COMPACTOR	315 HP	D-off		$400,739	88.36	22.92	32.06	6.89	9.56	700
	R30CA013	826G	36.5 TON, 72" DIA, (W/BLADE) LANDFILL COMPACTOR	315 HP	D-off		$411,243	90.35	23.52	32.90	7.07	9.56	837
	R30CA009	836	50 TON, 80" DIA (W/BLADE) LANDFILL COMPACTOR	473 HP	D-off		$548,889	122.65	31.39	43.91	9.44	14.36	975

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
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		$77,537	21.01	5.24	7.75	1.36	2.12	165
	R40SO002	756 SHEEPSFT	23.5 TON, 78" WIDE X 66" DIA	75 HP D-off		$113,344	30.81	7.66	11.33	1.99	3.17	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		$41,607	13.45	2.81	4.16	0.73	1.40	51
	R45BO006	BW141AD-2	55.9" WIDE X 41.3" DIA, HYDROSTATIC	74 HP D-off		$99,522	31.87	6.72	9.95	1.75	3.13	136
	R45BO007	BW151AD-2	66.1" WIDE X 41.4" DIA, HYDROSTATIC	74 HP D-off		$102,006	32.56	6.89	10.20	1.79	3.13	146
	R45BO004	BW161AD-2	66.0" WIDE X 47" DIA, HYDROSTATIC	111 HP D-off		$124,048	40.82	8.38	12.40	2.18	4.70	188
	R45BO005	BW202ADH-2	80.0" WIDE X 48" DIA, HYDROSTATIC	111 HP D-off		$131,350	42.85	8.88	13.14	2.31	4.70	209
			CATERPILLAR, INC.									
	R45CA001	CB-214C	2.5 TON, 39.4" WIDE X 27.5" DIA, SMOOTH DRUMS, VIBRATORY ASPH COMPACTOR	33 HP D-off		$34,721	11.54	2.35	3.47	0.61	1.40	49
	R45CA002	CB-224C	2.7 TON, 47.2" WIDE X 27.5" DIA, SMOOTH DRUMS, VIBRATORY ASPH COMPACTOR	33 HP D-off		$40,430	13.12	2.73	4.04	0.71	1.40	54
	R45CA005	CB-434C	6.6 TON, 56" WIDE X 43.5" DIA, SMOOTH DRUMS, VIBRATORY ASPH COMPACTOR	73 HP D-off		$98,891	31.64	6.69	9.89	1.74	3.09	143
	R45CA007	CB-534C	10.0 TON, 67" WIDE X 51" DIA, SMOOTH DRUMS, VIBRATORY ASPH COMPACTOR	100 HP D-off		$124,200	40.21	8.39	12.42	2.18	4.23	216
	R45CA010	CB-634C	13.0 TON, 84" WIDE X 51" DIA, SMOOTH DRUMS, VIBRATORY ASPHALT COMPACTOR	132 HP D-off		$149,504	49.10	10.11	14.95	2.63	5.59	262
	R45CA009	CP-563C	12.5 TON, 84" WIDE X 61" DIA, PADFOOT, VIBRATORY SOIL COMPACTOR	145 HP D-off		$136,032	46.18	9.08	13.38	2.39	6.14	257
			DYNAPAC DIVISION, SVELDA INDUSTRIES									
	R45DY002	CC211	7.0 TON, 57" WIDE X 41" DIA, TANDEM	31 HP D-off		$99,830	29.45	6.75	9.98	1.76	1.31	157

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
R45			***DYNAPAC DIVISION, SVELDA INDUSTRIES (continued)***										
	R45DY003	CC421	12.0 TON, 66" WIDE X 48" DIA, TANDEM	123 HP	D-off		$123,941	41.49	8.38	12.39	2.18	5.21	224
	R45DY004	CC501	18.5 TON, 84" WIDE X 60" DIA, TANDEM	210 HP	D-off		$182,010	62.65	12.30	18.20	3.20	8.89	374
			HYSTER AMERICA (Lift Trucks)										
	R45HY002	C766B	10.6 TON, 78" WIDE X 48" DIA, TANDEM	125 HP	D-off		$129,371	43.11	8.74	12.94	2.27	5.29	210
			INGERSOLL-RAND CONSTRUCTION & MINING										
	R45IN004	DD-65	7.7 TON, 55" WIDE X 41" DIA, HYSTAT	76 HP	D-off		$103,068	32.98	6.96	10.31	1.81	3.22	154
	R45IN005	DD-90	10.7 TON, 66" WIDE X 48" DIA, HYSTAT	112 HP	D-off		$118,031	39.21	7.98	11.80	2.08	4.74	188
			ROSCO MANUFACTURING COMPANY										
	R45RS001	VIBRASTATT III	2.0 TON, 36" WIDE, DOUBLE DRUM	20 HP	G		$13,744	6.55	0.93	1.37	0.24	2.00	27
			SAKAI AMERICA, INC.										
	R45SI001	SG150	0.99 TON, 31" WIDE X 24" DIA, HYDSTAT	7 HP	D-off		$26,751	7.82	1.81	2.68	0.47	0.30	20
	R45SI002	SG350	2.7 TON, 47" WIDE X 33.5" DIA, HYSTAT	24 HP	D-off		$42,073	13.06	2.84	4.21	0.74	1.02	61
	R45SI003	SG500	4.0 TON, 53" WIDE X 37" DIA, HYDSTAT	27 HP	D-off		$54,052	16.54	3.66	5.41	0.95	1.14	88
	R45SI004	SW70C	7.2 TON, 57" WIDE X 41" DIA, HYSTAT	73 HP	D-off		$86,688	28.26	5.86	8.67	1.52	3.09	159
	R45SI005	SW750H	10.0 TON, 66" WIDE X 48"DIA, HYDSTAT	104 HP	D-off		$115,976	38.18	7.84	11.60	2.04	4.40	221
	R45SI006	SW100	11.2 TON, 77" WIDE X 51"DIA, HYDSTAT	112 HP	D-off		$147,789	47.45	9.99	14.78	2.60	4.74	247
R50	**ROLLERS, VIBRATORY, SELF-PROPELLED, SINGLE DRUM**												
	SUBCATEGORY 0.00		**ROLLERS, VIBRATORY, SELF-PROPELLED, SINGLE DRUM**										
			CATERPILLAR, INC.										
	R50CA001	CS-323C	4.6 TON, 50" WIDE X 40" DIA	80 HP	D-off		$67,144	22.31	4.51	6.66	1.18	3.39	94
	R50CA002	CP-323C (PADS)	4.6 TON, 50" WIDE X 40" DIA, PADFOOT COMPACTOR	80 HP	D-off		$76,437	24.75	5.13	7.59	1.34	3.39	94
	R50CA003	CS-431c	6.9 TON, 66" WIDE X 48" DIA, SMOOTH, VIB	107 HP	D-off		$82,283	27.88	5.52	8.13	1.45	4.53	138
	R50CA004	CP-433C (PADS)	7.1 TON, 66" WIDE, 48" DIA, PADFOOT,VIB	107 HP	D-off		$94,426	31.06	6.33	9.34	1.66	4.53	148

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
R50			***CATERPILLAR, INC. (continued)***										
	R50CA005	CS-433C	7.1 TON, 66" WIDE, 48" DIA, SINGLE SMOOTH DRUM, VIB, SOIL COMPACTOR	107 HP	D-off		$94,360	31.04	6.33	9.33	1.66	4.53	144
	R50CA009	CS-563C	12.2 TON, 84" WIDE X 60" DIA, SINGLE SMOOTH DRUM, VIB, SOIL COMPACTOR	145 HP	D-off		$123,411	40.92	8.23	12.12	2.17	6.14	243
	R50CA011	CS 583C	16.5 TON, 84" WIDE X 60" DIA, SINGLE SMOOTH DRUM, VIB, SOIL COMPACTOR	145 HP	D-off		$151,094	48.19	10.11	14.89	2.66	6.14	333
			DYNAPAC DIVISION, SVELDA INDUSTRIES										
	R50DY001	CA-151D	11 TON, 66" WIDE X 48" DIA	98 HP	D-off		$83,280	27.61	5.57	8.22	1.46	4.15	142
	R50DY002	CA-151PD (PADS)	13 TON, 66" WIDE X 48" DIA, TAMPING FOOT	98 HP	D-off		$89,680	29.29	6.03	8.89	1.58	4.15	153
	R50DY003	CA-251D	22 TON, 84" WIDE X 48" DIA	151 HP	D-off		$100,351	35.21	6.67	9.81	1.76	6.39	212
	R50DY004	CA-251PD (PADS)	22 TON, 84" WIDE X 60" DIA, TAMPING FT	151 HP	D-off		$113,535	38.68	7.57	11.13	2.00	6.39	247
	R50DY005	CA-301D	22 TON, 84" WIDE X 61" DIA,	151 HP	D-off		$108,815	37.44	7.24	10.66	1.91	6.39	266
	R50DY006	CA511PD (PADS)	22 TON, 84" WIDE X 61" DIA, TAMPING FT	154 HP	D-off		$147,986	47.89	9.89	14.58	2.60	6.52	341
			HYSTER AMERICA (Lift Trucks)										
	R50HY005	C820A	5.9 TON, 56.1" WIDE X 41.7" DIA	75 HP	D-off		$67,651	22.14	4.53	6.68	1.19	3.17	118
	R50HY007	C830B	6.9 TON, 66.5" WIDE X 48"DIA, DRUM DRIVE	107 HP	D-off		$87,938	29.30	5.89	8.69	1.55	4.53	138
	R50HY008	C832B (PAD)	7.6 TON, 66.5" WIDE X 54"DIA, PADFT, HYD	107 HP	D-off		$98,635	32.11	6.62	9.77	1.73	4.53	150
	R50HY009	C850B	10.4 TON, 84" WIDE X 59" DIA, HYDSTAT	149 HP	D-off		$130,299	42.97	8.70	12.81	2.29	6.31	225
	R50HY012	C852B (PAD)	11.5 TON, 84" WIDE X 67" DIA, PADFT, HYD	149 HP	D-off		$140,797	45.73	9.41	13.86	2.48	6.31	225
			INGERSOLL-RAND CONSTRUCTION & MINING										
	R50IN001	SD-40D	4.9 TON, 54" WIDE X 38" DIA., HYDSTAT	76 HP	D-off		$72,050	23.37	4.83	7.12	1.27	3.22	96
			SAKAI AMERICA, INC.										
	R50SI001	TG350	2.8 TON, 47" WIDE X 33.5" DIA, HYDSTAT	24 HP	D-off		$44,455	13.04	2.98	4.40	0.78	1.02	56
	R50SI002	TG500	4.3 TON, 53" WIDE X 37" DIA, HYDSTAT	27 HP	D-off		$54,181	15.77	3.63	5.35	0.95	1.14	86
	R50SI003	TW70C	6.4 TON, 57" WIDE, 41" DIA., HYDSTAT	73 HP	D-off		$86,793	27.02	5.84	8.62	1.53	3.09	128
	R50SI004	TW750	8.8 TON, 66" WIDE X 48" DIA, HYDSTAT	91 HP	D-off		$115,025	35.47	7.74	11.44	2.02	3.85	175
	R50SI005	TW100	11.5 TON, 85" WIDE X 51" DIA, HYDSTAT	86 HP	D-off		$168,828	49.30	11.38	16.82	2.97	3.64	229
	R50SI006	SV200D	4.5 TON, 49"WIDE X 39" DIA, HYDSTAT, AWD	61 HP	D-off		$64,623	20.54	4.33	6.37	1.14	2.58	89
	R50SI007	SV200T (PADS)	4.6 TON, 49" WIDE X 39" DIA, PADFT, HYD, AWD	61 HP	D-off		$70,559	22.10	4.72	6.97	1.24	2.58	94

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
R50			***SAKAI AMERICA, INC. (continued)***										
	R50SI008	SV70	7.2 TON, 67" WIDE X 49" DIA, HYDSTAT	86 HP	D-off		$78,796	25.78	5.21	7.63	1.39	3.64	143
	R50SI009	SV70D	7.2 TON, 67" WIDE X 49" DIA, HYDSTAT, AWD	86 HP	D-off		$88,014	28.20	5.83	8.55	1.55	3.64	146
	R50SI010	SV70A	7.9 TON, 67" WIDE X 49" DIA, HYDSTAT, AWD	86 HP	D-off		$87,584	28.04	5.87	8.66	1.54	3.64	159
	R50SI011	SV70T	8.0 TON, 67" WIDE X 55" DIA, PADFT, HYD	86 HP	D-off		$93,345	29.54	6.26	9.24	1.64	3.64	161
	R50SI012	SV70TF	9.4 TON, 67"WIDE X 55" DIA, PADFT, HYD, AWD	86 HP	D-off		$103,258	32.15	6.94	10.23	1.82	3.64	190
	R50SI013	SV500	11.0 TON, 85" WIDE X 60"DIA, HYDSTAT	118 HP	D-off		$93,919	31.58	6.24	9.18	1.65	4.99	221
	R50SI014	SV500D	11.2 TON, 85"WIDE X 60" DIA, HYDSTAT, AWD	118 HP	D-off		$102,680	33.89	6.84	10.06	1.81	4.99	225
	R50SI015	SV500A	11.2 TON, 85" WIDE X 60" DIA, HYDSTAT, AWD	118 HP	D-off		$97,797	32.57	6.56	9.68	1.72	4.99	221
	R50SI016	SV500T	11.6 TON, 85" WIDE X 63" DIA, PADFT, HYD	118 HP	D-off		$109,615	35.71	7.30	10.75	1.93	4.99	232
	R50SI017	SV500TF	14.1 TON, 85" WIDE X 63" DIA, PADFT, HYD, AWD	118 HP	D-off		$124,629	39.64	8.31	12.25	2.19	4.99	282
	R50SI018	SV160D	17.6 TON, 85" WIDE X 67" DIA, HYDSTAT, AWD	163 HP	D-off		$215,332	66.08	14.45	21.32	3.79	6.90	353
	R50SI019	SV160T	17.6 TON, 85" WIDE X 69" DIA, PADFT, HYD, AWD	163 HP	D-off		$227,351	69.23	15.26	22.52	4.00	6.90	353
R55	**ROOFING EQUIPMENT**												
	SUBCATEGORY 0.00		**ROOFING EQUIPMENT**										
			AEROIL PRODUCTS										
	R55AE001	EZ LOAD 270	KETTLE, 270 GAL, WITH PUMP & COVER, LPG	8 HP	G		$6,887	6.14	0.59	0.95	0.12	0.53	20
	R55AE002	EZ LOAD 410	KETTLE, 410 GAL, WITH PUMP & COVER, LPG	8 HP	G		$9,713	8.73	0.85	1.35	0.17	0.53	25
	R55AE003	EZ LOAD 680	KETTLE, 680 GAL, WITH PUMP & COVER, LPG	8 HP	G		$11,135	10.76	0.96	1.52	0.20	0.53	39
	R55AE004	EZ LOAD 1000	KETTLE, 1000 GAL, WITH PUMP & COVER, LPG	8 HP	G		$13,787	11.94	1.15	1.82	0.24	0.53	54
	R55AE008	MODEL S	RHINO ROOF PEELER, 16" WIDE	8 HP	G		$4,691	2.15	0.41	0.66	0.08	0.53	6
	R55AE009	MKI9	ROOF CUTTER, SINGLE BLADE, 3.75"DEPTH	9 HP	G		$1,701	1.31	0.15	0.24	0.03	0.60	2
	R55AE010	MK216R	ROOF CUTTER, DOUBLE BLADE, 3.75"DEPTH	16 HP	G		$3,121	2.36	0.28	0.44	0.06	1.07	3

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			GARLOCK EQUIPMENT COMPANY										
	R55GL001	MODEL 115	KETTLE, 115 GAL.				$2,921	1.40	0.25	0.39	0.05	0.00	10
	R55GL002	MODEL 175	KETTLE, 175 GAL., WITH PUMP	5 HP	G		$9,425	3.88	0.83	1.31	0.17	0.33	17
	R55GL003	MODEL 412	KETTLE, 412 GAL., WITH PUMP	9 HP	G		$12,294	5.39	1.08	1.72	0.22	0.60	30
	R55GL004	MODEL 612	KETTLE, 612 GAL., WITH PUMP	9 HP	G		$13,805	6.10	1.20	1.90	0.25	0.60	40
	R55GL007	MODEL 1400	HOIST, HYDRAULIC SWING, W/275' CABLE	18 HP	G		$11,004	5.02	0.98	1.56	0.20	1.20	10
	R55GL008	MODEL 86	POWER SWEEPER, 42" WIDTH	5 HP	G		$2,613	1.25	0.23	0.37	0.05	0.33	2
	R55GL009		ROTARY PLANER, 12" PATH	8 HP	G		$2,080	1.34	0.19	0.29	0.04	0.53	2
	R55GL011		ROOF CUTTER, 30", DOUBLE SAW, S/P	16 HP	G		$5,658	3.16	0.50	0.80	0.10	1.07	3
	R55GL012	MODEL 300	KETTLE, 300 GAL, WITH PUMP	9 HP	G		$10,969	4.96	0.96	1.53	0.19	0.60	23
	R55GL013	MODEL 30	KETTLE, 30 GAL				$1,209	0.60	0.09	0.14	0.02	0.00	3
	R55GL014	MODEL 85	KETTLE, 85 GAL, SKID				$2,577	1.17	0.23	0.37	0.05	0.00	10
	R55GL015	MODEL 1000	HOIST, HYDRAULIC, W/175' CABLE	9 HP	G		$7,820	3.25	0.70	1.11	0.14	0.60	7
	R55GL016		DUST MASTER, ROOF CUTTER	9 HP	G		$5,290	2.44	0.46	0.75	0.09	0.60	3
	R55GL017		ROOF CUTTER, MINI SAW	5 HP	G		$1,651	0.94	0.15	0.23	0.03	0.33	2
	R55GL018		ROOF SCRATCHER	5 HP	G		$1,727	0.96	0.15	0.24	0.03	0.33	1
	R55GL019		ROOF SCRATCHER	8 HP	G		$3,095	1.65	0.27	0.44	0.05	0.53	3
S10	**SCRAPERS, ELEVATING**												
	SUBCATEGORY 0.01		**0 THRU 200 HP**										
			CATERPILLAR, INC.										
	S10CA001	613-C 11	11 CY, 13 TON, POWERSHIFT, ELEVATOR	175 HP	D-off		$219,979	50.39	12.24	16.92	3.78	5.31	332
			KOMATSU DRESSER COMPANY										
	S10ID001	412B	11 CY, 13.1 TON, POWERSHIFT	165 HP	D-off		$257,875	57.06	14.43	20.00	4.43	5.01	335
			DEERE & COMPANY										
	S10JD001	762B	11 CY, 13.7 TON, POWERSHIFT	180 HP	D-off		$217,706	50.14	12.13	16.78	3.74	5.46	374

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.02		**OVER 200 HP**									
			CATERPILLAR, INC.									
	S10CA002	615-C 11	17 CY, 19 TON, POWERSHIFT, ELEVATOR	265 HP D-off		$320,621	71.76	18.31	25.95	5.33	8.05	519
	S10CA003	623-F	23 CY, 25 TON, POWERSHIFT, ELEVATOR	365 HP D-off		$479,018	104.75	27.57	39.22	7.96	11.08	741
			DEERE & COMPANY									
	S10JD002	862B	16 CY, 20.0 TON, POWERSHIFT	268 HP D-off		$318,857	71.80	18.16	25.71	5.30	8.14	484
S15	**SCRAPERS, CONVENTIONAL**											
	SUBCATEGORY 0.00		**SCRAPERS, CONVENTIONAL**									
			CATERPILLAR, INC.									
	S15CA001	621F	14-20 CY, 24 TON, POWERSHIFT W/CAB	365 HP D-off		$418,272	66.22	16.64	19.96	6.66	10.41	670
	S15CA002	631-E 11	21-31 CY, 37.5 TON, POWERSHIFT W/CAB	450 HP D-off		$636,871	95.96	25.40	30.52	10.14	12.83	948
	S15CA003	651-E	32-44 CY, 52 TON, POWERSHIFT W/CAB	594 HP D-off		$832,421	124.85	33.27	40.03	13.25	16.94	1,324
			TEREX CORPORATION									
	S15TE001	S24C	24-34 CY, 40.8 TON, POWERSHIFT	480 HP D-off		$552,476	88.31	21.90	26.19	8.80	13.69	1,021
S20	**SCRAPERS, TANDEM POWERED**											
	SUBCATEGORY 0.00		**SCRAPERS, TANDEM POWERED**									
			CATERPILLAR, INC.									
	S20CA001	627-F	14-20 CY, 24 TON, P/S, W/CAB	330 HP D-off	225 HP D-off	$482,581	82.67	19.27	23.18	7.68	16.34	783
	S20CA002	627-F PP	14-20 CY, 24 TON, PUSH-PULL, P/S	330 HP D-off	225 HP D-off	$512,330	85.98	20.49	24.66	8.16	16.34	817
	S20CA003	637-E 11	21-31 CY, 37.5 TON, P/S	450 HP D-off	250 HP D-off	$804,710	127.09	32.27	38.91	12.81	20.61	1,071
	S20CA004	637-E 11 PP	21-31 CY, 37.5 TON, PUSH-PULL, P/S	450 HP D-off	250 HP D-off	$839,771	130.99	33.70	40.66	13.37	20.61	1,105
	S20CA005	657-E	32-44 CY, 52 TON, P/S	550 HP D-off	400 HP D-off	$1,007,015	161.30	40.41	48.76	16.03	27.97	1,560
	S20CA006	657-E PP	32-44 CY, 52 TON, PUSH-PULL, P/S	550 HP D-off	400 HP D-off	$1,067,664	165.09	43.09	52.17	17.00	27.97	1,594

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER		VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
			TEREX CORPORATION											
	S20TE001	TS-14C	14-20 CY, 23.5 TON	154 HP	D-off	136 HP	D-off	$365,827	57.99	14.58	17.52	5.82	8.53	575
	S20TE002	TS-24C	24-34 CY, 40.8 TON	480 HP	D-off	260 HP	D-off	$714,375	120.67	28.44	34.13	11.37	21.78	1,119
S25	**SCRAPERS, TRACTOR DRAWN**													
	SUBCATEGORY 0.00		**SCRAPERS, TRACTOR DRAWN**											
			ROME PLOW COMPANY											
	S25RM001	R67H	12-17 CY, 17 TON, WITH HYDRAULICS (ADD D6 OR D7H TRACTOR)					$108,532	19.20	5.09	6.51	1.84	0.00	238
	S25RM002	R89H	18-26 CY, 25 TON, WITH HYDRAULICS (ADD D8 OR D9H TRACTOR)					$121,700	21.48	5.64	7.17	2.06	0.00	382
	S25RM003	R56H	9-12 CY, 12.5 TON, WITH HYDRAULICS (ADD D5 OR D6 TRACTOR)					$86,868	16.07	3.92	4.91	1.47	0.00	203
S30	**SCREENING & CRUSHING PLANTS**													
	SUBCATEGORY 0.10		**CONVEYORS**											
			KOLBERG MANUFACTURING COMPANY											
	S30KB001	13-2480	PORTABLE STACKING CONVEYOR, 24" X 80'	15 HP	E			$27,319	6.69	1.51	2.08	0.47	0.46	14
	S30KB002	13-24100	PORTABLE STACKING CONVEYOR, 24" X 100'	15 HP	E			$30,009	7.25	1.65	2.25	0.52	0.46	18
	S30KB003	13-3080	PORTABLE STACKING CONVEYOR, 30" X 80'	25 HP	E			$29,086	7.73	1.61	2.21	0.50	0.76	20
	S30KB004	13-30100	PORTABLE STACKING CONVEYOR, 30" X 100'	25 HP	E			$33,420	8.58	1.81	2.49	0.57	0.76	25
	S30KB005	13-3680	PORTABLE STACKING CONVEYOR, 36" X 80'	30 HP	E			$34,716	9.20	1.89	2.58	0.60	0.92	30
	S30KB006	13-36100	PORTABLE STACKING CONVEYOR, 36" X 100'	40 HP	E			$40,485	10.87	2.21	3.03	0.70	1.22	38
	S30KB008	31-24105	SIDEFOLDING STACKER, 24" X 105'	20 HP	E			$59,947	13.21	3.29	4.51	1.03	0.61	27
	S30KB009	31-24125	SIDEFOLDING STACKER, 24" X 125'	20 HP	E			$74,590	15.92	4.09	5.62	1.28	0.61	33
	S30KB011	31-30105	SIDEFOLDING STACKER, 30" X 105'	30 HP	E			$62,715	14.44	3.42	4.67	1.08	0.92	39
	S30KB012	31-30125	SIDEFOLDING STACKER, 30" X 125'	40 HP	E			$89,404	19.82	4.93	6.78	1.54	1.22	47
	S30KB014	31-36105	SIDEFOLDING STACKER, 36" X 105'	50 HP	E			$87,666	20.07	4.83	6.63	1.51	1.53	59

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
S30			***KOLBERG MANUFACTURING COMPANY (continued)***										
	S30KB015	31-36125	SIDEFOLDING STACKER, 36" X 125'	60 HP	E		$98,691	22.65	5.44	7.48	1.70	1.83	70
	S30KB018	35-24150	FIXED HEIGHT STACKER, 24" X 150'	25 HP	E		$73,339	15.90	4.07	5.62	1.26	0.76	39
	S30KB021	35-30150	FIXED HEIGHT STACKER, 30" X 150'	40 HP	E		$86,301	19.13	4.79	6.62	1.48	1.22	56
	S30KB024	35-36150	FIXED HEIGHT STACKER, 36" X 150'	60 HP	E		$101,379	23.28	5.63	7.79	1.74	1.83	84
	S30KB025	36-24100	ADJUSTABLE HEIGHT RADIAL STACKER, 24" X 100'	20 HP	E		$52,266	11.72	2.90	4.01	0.90	0.61	52
	S30KB026	36-24120	ADJUSTABLE HEIGHT RADIAL STACKER, 24" X 120'	20 HP	E		$62,153	13.57	3.46	4.78	1.07	0.61	57
	S30KB027	36-24150	ADJUSTABLE HEIGHT RADIAL STACKER, 24" X 150'	25 HP	E		$78,550	16.89	4.37	6.04	1.35	0.76	65
	S30KB028	36-30100	ADJUSTABLE HEIGHT RADIAL STACKER, 30" X 100'	30 HP	E		$59,524	13.77	3.30	4.56	1.02	0.92	64
	S30KB029	36-30120	ADJUSTABLE HEIGHT RADIAL STACKER, 30" X 120'	30 HP	E		$73,140	16.26	4.08	5.63	1.26	0.92	71
	S30KB030	36-30150	ADJUSTABLE HEIGHT RADIAL STACKER, 30" X 150'	40 HP	E		$92,624	20.37	5.16	7.13	1.59	1.22	82
	S30KB031	36-36100	ADJUSTABLE HEIGHT RADIAL STACKER, 36" X 100'	50 HP	E		$77,353	18.19	4.31	5.96	1.33	1.53	82
	S30KB032	36-36120	ADJUSTABLE HEIGHT RADIAL STACKER, 36" X 120'	50 HP	E		$93,078	21.15	5.20	7.19	1.60	1.53	93
	S30KB033	36-36150	ADJUSTABLE HEIGHT RADIAL STACKER, 36" X 150'	60 HP	E		$108,775	24.56	6.06	8.38	1.87	1.83	110
			TELSMITH										
	S30TS001	PTC 24IN X 50FT	PORTABLE TRUSS FRAME CONVEYOR, 24" X 50'	10 HP	E		$34,007	7.74	1.86	2.55	0.58	0.31	10
	S30TS002	PTC 24IN X 70FT	PORTABLE TRUSS FRAME CONVEYOR, 24" X 70'	15 HP	E		$37,903	8.61	2.10	2.89	0.65	0.46	13
	S30TS003	PTC 30IN X 50FT	PORTABLE TRUSS FRAME CONVEYOR, 30" X 50'	10 HP	E		$35,786	8.34	1.96	2.67	0.62	0.31	12
	S30TS004	PTC 30IN X 70FT	PORTABLE TRUSS FRAME CONVEYOR, 30" X 70'	20 HP	E		$40,353	9.56	2.22	3.07	0.69	0.61	17
	S30TS005	PTC 36IN X 50FT	PORTABLE TRUSS FRAME CONVEYOR, 36" X 50'	20 HP	E		$38,013	8.98	2.06	2.82	0.65	0.61	19
	S30TS006	PTC 36IN X 70FT	PORTABLE TRUSS FRAME CONVEYOR, 36" X 70'	20 HP	E		$43,400	10.38	2.40	3.29	0.75	0.61	26

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
S30			***TELSMITH (continued)***										
	S30TS007	PTC 42IN X 50FT	PORTABLE TRUSS FRAME CONVEYOR, 42" X 50'	20 HP	E		$38,577	8.99	2.13	2.93	0.66	0.61	25
	S30TS008	PTC 42IN X 70FT	PORTABLE TRUSS FRAME CONVEYOR, 42" X 70'	25 HP	E		$44,804	10.89	2.46	3.39	0.77	0.76	25
	SUBCATEGORY 0.20		**CRUSHERS**										
			HEWITT-ROBINS										
	S30HW001	MODEL 13654V	PORTABLE IMPACTOR PLANT, 36" X 54", SINGLE ROTOR IMPACT CRUSHER	250 HP	E		$257,900	71.68	15.25	21.92	4.29	7.64	804
	S30HW002	MODEL 14866V	PORTABLE IMPACTOR PLANT, 48" X 66", SINGLE ROTOR IMPACT CRUSHER	350 HP	E		$347,852	97.04	20.57	29.57	5.78	10.69	1,280
	S30HW003	MODEL 13654V	PORTABLE IMPACTOR PLANT, 36" X 54", SINGLE ROTOR IMPACT CRUSHER	350 HP	D-off		$257,900	72.62	15.25	21.92	4.29	10.63	804
	S30HW004	MODEL 14866V	PORTABLE IMPACTOR PLANT, 48" X 66", SINGLE ROTOR IMPACT CRUSHER	490 HP	D-off		$347,852	98.47	20.57	29.57	5.78	14.88	1,280
	S30HW005	MODEL J1524PF	PORTABLE PRIMARY JAW PLANT WITH 15" X 24" JAW CRUSHER, 2.5' X 8' FEEDER, 2 FT. GRIZZLY, 24" X 20' DISCHARGE CONVEYOR	40 HP	E		$139,910	34.52	8.28	11.89	2.33	1.22	86
	S30HW006	MODEL J1536V	PORTABLE PRIMARY JAW PLANT WITH 15" X 36" JAW CRUSHER, 3' X 14' FEEDER, 4' GRIZZLY, 30" X 31' DISCHARGE CONVEYOR	100 HP	E		$232,828	58.67	13.77	19.79	3.87	3.06	128
	S30HW007	MODEL J2036V	PORTABLE PRIMARY JAW PLANT WITH 20" X 36" JAW CRUSHER, 3' X 14' FEEDER, 4' GRIZZLY, 30" X 31' DISCHARGE CONVEYOR	125 HP	E		$252,964	64.75	14.96	21.50	4.21	3.82	128
	S30HW008	MODEL J2436V	PORTABLE PRIMARY JAW PLANT WITH 24" X 36" JAW CRUSHER, 3' X 14' FEEDER, 4' GRIZZLY, 30" X 31' DISCHARGE CONVEYOR	125 HP	E		$264,266	67.71	15.62	22.46	4.39	3.82	128
	S30HW009	MODEL J2142V	PORTABLE PRIMARY JAW PLANT WITH 21" X 42" JAW CRUSHER, 3.5' X 16' FEEDER, 4' GRIZZLY, 36" X 34' DISCHARGE CONVEYOR	150 HP	E		$274,161	71.56	16.21	23.30	4.56	4.58	152
	S30HW010	MODEL J3042V	PORTABLE PRIMARY JAW PLANT WITH 30" X 42" JAW CRUSHER, 3.5' X 16' FEEDER, 6' GRIZZLY, 36" X 41' OR 55' DISCHARGE CONVEYOR	200 HP	E		$333,944	87.50	19.75	28.39	5.55	6.11	156
	S30HW011	MODEL J2248V	PORTABLE PRIMARY JAW PLANT WITH 22" X 48" JAW CRUSHER, 4' X 16' FEEDER, 4' GRIZZLY, 48" X 37' DISCHARGE CONVEYOR	200 HP	E		$327,487	85.83	19.36	27.84	5.44	6.11	168

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

	REGION 8			ENGINE HORSEPOWER FUEL TYPE			VALUE (TEV)	TOTAL HOURLY RATES ($/HR)		ADJUSTABLE ELEMENTS			
CAT	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN		CARRIER	1996 ($)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
S30			***HEWITT-ROBINS (continued)***										
	S30HW012	MODEL J3048V	PORTABLE PRIMARY JAW PLANT WITH 30" X 48" JAW CRUSHER, 4' X 16' FEEDER, 4' GRIZZLY, 48" X 37' DISCHARGE CONVEYOR	200 HP	E		$386,915	99.59	22.88	32.89	6.43	6.11	168
	S30HW013	MODEL H4832S	PORTABLE HAMMERMILL PLANT WITH 48" X 32" HAMMERMILL, 5' X 16' TRIPLE DECK SCREEN, 30" X 11' FEED CONVEYOR AND 36" X 37' END DISCHARGE CONVEYOR	450 HP	E		$310,664	96.57	18.37	26.41	5.16	13.75	600
			KOLBERG MANUFACTURING COMPANY										
	S30KB034	CS-1536	PORTABLE JAW CRUSHER PLANT, 15" X 36" JAW CRUSHER, 36" X 14' VIBRATING FEEDER, 4' 6" GRIZZLY, 36" X 22' END DELIVERY CONVEYOR	115 HP	E		$204,068	52.58	11.96	17.14	3.39	3.51	548
	S30KB035	CS-2036	PORTABLE JAW CRUSHER PLANT, 20" X 36" JAW CRUSHER, 36" X 14' VIBRATING FEEDER, 4' 6" GRIZZLY, 36" X 22' END DELIVERY CONVEYOR	140 HP	E		$209,919	55.62	12.27	17.56	3.49	4.28	590
	S30KB036	CS-2436	PORTABLE JAW CRUSHER PLANT, 24" X 36" JAW CRUSHER, 36" X 16' VIBRATING FEEDER, 4' 6" GRIZZLY, 36" X 22' END DELIVERY CONVEYOR	140 HP	E		$237,842	61.72	13.91	19.93	3.95	4.28	701
			TELSMITH										
	S30TS009	4246	PRIMARY IMPACT CRUSHER, 600 TON/HR MAX CAPACITY	300 HP	E		$228,613	67.08	13.52	19.43	3.80	9.16	595
	S30TS010	4856	PRIMARY IMPACT CRUSHER, 1100 TON/HR MAX CAPACITY	400 HP	E		$339,732	97.10	20.09	28.88	5.65	12.22	942
	S30TS011	6071	PRIMARY IMPACT CRUSHER, 2100 TON/HR MAX CAPACITY, 2 EA 400 HP MOTOR	800 HP	E		$568,809	169.97	33.64	48.35	9.46	24.44	1,950
	S30TS013	44FC	GYRASPHERE CRUSHER FOR COARSE THRU FINE MATERIALS, 230 TON PER HOUR CAPACITY	200 HP	E		$193,055	54.13	11.41	16.41	3.21	6.11	312
	S30TS015	52FC	GYRASPHERE CRUSHER FOR COARSE THRU FINE MATERIALS, 260 TON PER HOUR CAPACITY	250 HP	E		$253,140	70.14	14.97	21.52	4.21	7.64	479
	S30TS017	57FC	GYRASPHERE CRUSHER FOR COARSE THRU FINE MATERIALS, 330 TON PER HOUR CAPACITY	300 HP	E		$366,961	97.88	21.70	31.19	6.10	9.16	660

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
S30			***TELSMITH (continued)***										
	S30TS012	44S	GYRASPHERE CRUSHER FOR EXTRA COARSE THRU MEDIUM MATERIALS, 380 TON PER HOUR CAPACITY	200 HP	E		$179,930	51.25	10.64	15.29	2.99	6.11	312
	S30TS014	52S	GYRASPHERE CRUSHER FOR EXTRA COARSE THRU MEDIUM MATERIALS, 440 TON PER HOUR CAPACITY	250 HP	E		$248,085	69.03	14.66	21.09	4.12	7.64	479
	S30TS016	57S	GYRASPHERE CRUSHER FOR EXTRA COARSE THRU MEDIUM MATERIALS, 580 TON PER HOUR CAPACITY	300 HP	E		$352,890	94.81	20.87	30.00	5.87	9.16	660
	S30TS020	HSI 4230	HORIZONTAL SHAFT IMPACTOR, 12" MAX FEED SIZE, 120 TON/HR CAPACITY	100 HP	E		$106,579	30.52	6.30	9.06	1.77	3.06	193
	S30TS021	HSI 5242	HORIZONTAL SHAFT IMPACTOR, 16" MAX FEED SIZE, 170 TON/HR CAPACITY	200 HP	E		$149,173	45.02	8.82	12.68	2.48	6.11	293
	S30TS022	HSI 5263	HORIZONTAL SHAFT IMPACTOR, 16" MAX FEED SIZE, 320 TON/HR CAPACITY	300 HP	E		$181,657	57.80	10.74	15.44	3.02	9.16	480
	S30TS023	HSI 6263	HORIZONTAL SHAFT IMPACTOR, 20" MAX FEED SIZE, 440 TON/HR CAPACITY	400 HP	E		$231,745	74.45	13.70	19.70	3.85	12.22	615
	S30TS025	68S	GYRASPHERE CRUSHER FOR COARSE THRU FINE, 1015 TON/HOUR MAX CAPACITY	400 HP	E		$530,404	139.86	31.36	45.08	8.82	12.22	1,090
	S30TS026	68FC	GYRASPHERE CRUSHER FOR COARSE THRU FINE, 840 TON/HOUR MAX CAPACITY	500 HP	E		$537,189	146.03	31.76	45.66	8.93	15.28	1,090
	SUBCATEGORY 0.30		**SCREENING PLANT**										
			HEWITT-ROBINS										
	S30HW014	V-11 6X16FT, DD	PORTABLE SCREENING PLANT WITH 6' X 16' DOUBLE DECK SCREENS	15 HP	E		$101,791	21.66	5.82	8.14	1.75	0.46	101
	S30HW016	V-11 6X20FT, DD	PORTABLE SCREENING PLANT WITH 6' X 20' DOUBLE DECK SCREENS	20 HP	E		$105,904	22.77	6.06	8.47	1.82	0.61	115
	S30HW015	V-11 6X16FT, TD	PORTABLE SCREENING PLANT WITH 6' X 16' TRIPLE DECK SCREENS	25 HP	E		$111,939	24.36	6.40	8.96	1.92	0.76	138
	S30HW017	V-11 6X20FT, TD	PORTABLE SCREENING PLANT WITH 6' X 20' TRIPLE DECK SCREENS	25 HP	E		$114,019	24.81	6.52	9.12	1.96	0.76	167
	S30HW018	V-11 8X20FT, TD	PORTABLE SCREENING PLANT WITH 8' X 20' TRIPLE DECK SCREENS	40 HP	E		$135,309	29.74	7.74	10.82	2.33	1.22	243
			KOLBERG MANUFACTURING COMPANY										

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
S30			***KOLBERG MANUFACTURING COMPANY (continued)***									
	S30KB037	25-2450	MOBILE SCREENING PLANT, 24" X 50', TWO DECK, VARIABLE SPEED, 7 CY HOPPER AND FEEDER	73 HP D-off		$69,128	18.24	3.90	5.41	1.19	2.22	266
	S30KB038	25-3050	MOBILE SCREENING PLANT, 30" X 50', TWO DECK, VARIABLE SPEED, 7 CY HOPPER AND FEEDER	73 HP D-off		$73,001	19.01	4.09	5.67	1.26	2.22	205
	S30KB039	26-2450	MOBILE SCREENING PLANT, 24" X 50', TWO DECK, VARIABLE SPEED, 7 CY HOPPER AND FEEDER	76 HP D-off		$96,111	23.79	5.42	7.53	1.65	2.31	290
	S30KB040	26-3050	MOBILE SCREENING PLANT, 30" X 50', TWO DECK, VARIABLE SPEED, 7 CY HOPPER AND FEEDER	76 HP D-off		$102,318	24.99	5.77	8.02	1.76	2.31	309
			KOLMAN									
	S30KL001	PB-212	COLD FEED PLANT, 2 EACH 12' LONG X 9' HIGH BINS			$71,966	16.28	4.11	5.73	1.24	0.00	210
	S30KL002	PB-312	COLD FEED PLANT, 3 EACH 12' LONG X 9' HIGH BINS			$89,981	20.22	5.13	7.15	1.55	0.00	263
	S30KL003	PB-412	COLD FEED PLANT, 4 EACH 12' LONG X 9' HIGH BINS			$111,993	24.92	6.38	8.91	1.93	0.00	309
			READ CORPORATION									
	S30RA002	CV 40D	MOBILE SCREEN PLANT, 120 CY/HR PROD	25 HP D-off		$60,732	13.88	3.45	4.82	1.04	0.76	130
	S30RA003	CV 90D	MOBILE SCREEN PLANT, 200 CY/HR PROD	49 HP D-off		$94,084	21.74	5.35	7.46	1.62	1.49	195
	S30RA004	CV 150D	MOBILE SCREEN PLANT, 320 CY/HR PROD	49 HP D-off		$121,482	27.22	6.92	9.65	2.09	1.49	241
S35	**SNOW REMOVAL EQUIPMENT**											
	SUBCATEGORY 0.00		**SNOW REMOVAL EQUIPMENT**									
			AMERICAN ROAD MACHINERY									
	S35AR001	112	REVERSIBLE SNOW PLOW (ADD DUMP TRK)			$2,675	0.63	0.19	0.27	0.05	0.00	15
	S35AR002	713	1-WAY TRIP SNOW PLOW (ADD DUMP TRK)			$4,037	0.94	0.27	0.40	0.07	0.00	20

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
S40	**SOIL & ROAD STABILIZERS**											
	SUBCATEGORY 0.00		**SOIL & ROAD STABILIZERS**									
			CATERPILLAR, INC.									
	S40CA001	RR250 Reclaimer	12" DEEP X 96" WIDE, HYDROSTATIC	335 HP D-off		$223,554	57.99	12.73	17.78	3.84	10.17	352
	S40CA002	SS250 Reclaimer	18" DEEP X 96" WIDE, HYDROSTATIC	335 HP D-off		$233,714	60.48	13.18	18.33	4.02	10.17	265
			SAKAI AMERICA, INC.									
	S40SI020	ERF300	ROAD CUTTER, 6" DEEP X 79" WIDE, HYDSTAT	340 HP D-off		$765,430	166.73	43.56	60.81	13.16	10.32	518
	S40SI021	PM500	ROAD STABILIZER, 16" DEEP X 79" WIDE, HYDSTAT	380 HP D-off		$725,185	160.05	41.31	57.69	12.47	11.54	463
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		$13,951	5.09	1.18	1.86	0.25	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		$14,449	5.27	1.23	1.93	0.26	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		$14,113	5.15	1.20	1.88	0.26	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		$14,611	5.33	1.25	1.95	0.27	0.00	1
T10	**TRACTOR BLADES & ATTACHMENTS**											
	SUBCATEGORY 0.00		**TRACTOR BLADES & ATTACHMENTS**									
			CATERPILLAR, INC.									
	T10CA001	61-9722 D3C	BLADE, POWER ANGLE TILT, DOZER, 1.65 CY			$11,643	2.30	0.67	0.93	0.20	0.00	23

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

	REGION 8			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES ($/HR)		ADJUSTABLE ELEMENTS			
CAT	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	1996 ($)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
T10			*CATERPILLAR, INC. (continued)*									
	T10CA002	53	WINCH, FOR D3 (W/250' CABLE)			$9,957	1.98	0.57	0.80	0.17	0.00	10
	T10CA004	104-5683 D4C D-4	BLADE, ANGLE, HYDRAULIC, DOZER FOR D4, 2.17 CY			$12,710	2.51	0.73	1.02	0.22	0.00	24
	T10CA005	55	WINCH, FOR D4 (W/250' CABLE)			$17,808	3.48	1.02	1.42	0.31	0.00	20
	T10CA007	5A C	BLADE, ANGLE, HYDRAULIC, DOZER FOR D5, 2.53 CY			$14,006	2.75	0.80	1.12	0.24	0.00	29
	T10CA008	55	WINCH, FOR D5 (WITH CABLE)			$24,498	4.76	1.40	1.96	0.42	0.00	21
	T10CA009	108-3970	BLADE, STRAIGHT, HYDRAULIC, DOZER FOR D6, 5.09 CY			$22,557	4.39	1.29	1.80	0.39	0.00	58
	T10CA010	108-3982	BLADE, ANGLE, HYDRAULIC, DOZER FOR D6, 4.16 CY			$24,463	4.75	1.40	1.96	0.42	0.00	60
	T10CA011	56	WINCH, FOR D6 (WITH CABLE)			$31,888	6.17	1.83	2.55	0.55	0.00	28
	T10CA012	7S	BLADE, STRAIGHT, HYDRAULIC, DOZER FOR D7, 6.75 CY			$33,895	6.55	1.94	2.71	0.58	0.00	77
	T10CA013	7U	BLADE, UNIVERSAL, HYDRAULIC, DOZER FOR D7, 10.09 CY			$37,175	7.18	2.13	2.97	0.64	0.00	87
	T10CA014	7A	BLADE, ANGLE, HYDRAULIC, DOZER FOR D7, 5.08 CY			$35,126	6.78	2.00	2.81	0.60	0.00	76
	T10CA015	57	WINCH, FOR D7 (W/ CABLE)			$40,013	7.74	2.29	3.20	0.69	0.00	41
	T10CA016	8SU	BLADE, SEMI-UNIVERSAL, HYDRAULIC, DOZER FOR D8 , 6.09 CY			$40,447	7.85	2.32	3.24	0.70	0.00	96
	T10CA017	8U	BLADE, UNIVERSAL, HYDRAULIC, DOZER FOR D8, 15.30 CY			$43,765	8.49	2.50	3.50	0.75	0.00	106
	T10CA018	8A	BLADE, ANGLE, HYDRAULIC, DOZER FOR D8, 6.09 CY			$39,382	7.65	2.25	3.15	0.68	0.00	138
	T10CA019		BLADE, PUSH PLATE FOR D8			$1,130	0.27	0.07	0.09	0.02	0.00	6
	T10CA020	57	WINCH, FOR D8 (WITH CABLE)			$40,013	7.79	2.29	3.20	0.69	0.00	41
	T10CA021	9SU	BLADE, SEMI-U, HYDRAULIC, DOZER FOR D9, 17.70 CY			$57,996	11.27	3.32	4.64	1.00	0.00	144
	T10CA022	9U	BLADE, UNIVERSAL,HYDRAULIC, FOR D9, 21.40 CY			$63,054	12.22	3.60	5.04	1.08	0.00	157
	T10CA023	59	WINCH, FOR D9 (WITH CABLE)			$46,213	9.02	2.64	3.70	0.79	0.00	45
	T10CA024	10SU	BLADE, SEMI-U, HYDRAULIC, DOZER FOR D10, 24.20 CY			$78,077	15.19	4.46	6.25	1.34	0.00	244
	T10CA025	10U	BLADE, UNIVERSAL, HYDRAULIC, DOZER FOR D10, 28.70 CY			$81,004	15.76	4.63	6.48	1.39	0.00	238

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
T10			***CATERPILLAR, INC. (continued)***									
	T10CA026	11SU	BLADE, SEMI-U, HYDRAULIC, DOZER FOR D11, 35.50 CY			$118,550	23.04	6.78	9.48	2.04	0.00	329
	T10CA027	11U	BLADE, UNIVERSAL, HYDRAULIC, DOZER FOR D11, 45.00 CY			$129,625	25.18	7.41	10.37	2.23	0.00	400
			KOMATSU DRESSER COMPANY									
	T10ID001	15D-2	BLADE, SEMI-U, HYDRAULIC, FOR 15C			$21,291	4.12	1.22	1.70	0.37	0.00	45
	T10ID002	15G-2	BLADE, ANGLE, HYDRAULIC, FOR 15C			$24,141	4.66	1.39	1.93	0.42	0.00	48
	T10ID003	20D-2	BLADE, SEMI-U, HYDRAULIC, FOR 20G			$35,733	6.87	2.04	2.86	0.61	0.00	61
	T10ID004	20G-2	BLADE, ANGLE, HYDRAULIC, FOR 20G			$38,866	7.48	2.23	3.11	0.67	0.00	71
	T10ID005	25D-2	BLADE, SEMI-U, HYDRAULIC, FOR 25G			$50,090	9.67	2.86	4.01	0.86	0.00	119
	T10ID006	256-2	BLADE, FULL-U, HYDRAULIC, FOR 25G			$55,513	10.72	3.17	4.44	0.95	0.00	126
	T10ID007	40D-2	BLADE, SEMI-U, HYDRAULIC, FOR 40B			$53,605	10.32	3.06	4.29	0.92	0.00	192
	T10ID008	40U-2	BLADE, FULL-U, HYDRAULIC, FOR 40B			$60,196	11.64	3.45	4.82	1.04	0.00	210
			DEERE & COMPANY									
	T10JD001	915 V-RIPPER	5X7 V SHAPED DEEP TILLER (ADD UP TO 200 PTO HP TRACTOR)			$6,054	1.15	0.34	0.48	0.10	0.00	10
			LELY CORPORATION									
	T10LE001	200-15	POWER HARROW, 80" WIDE ROTERRA (ADD 40 HP TRACTOR, PTO)			$6,399	1.22	0.36	0.51	0.11	0.00	13
	T10LE002	250-15	POWER HARROW, 100" WIDE ROTERRA (ADD 45 HP TRACTOR, PTO)			$7,233	1.38	0.41	0.58	0.12	0.00	15
	T10LE003	300-20	POWER HARROW, 120" WIDE ROTERRA (ADD 50 HP TRACTOR, PTO)			$7,837	1.50	0.45	0.63	0.13	0.00	17
	T10LE004	350-35	POWER HARROW, 140" WIDE ROTERRA (ADD 60 HP TRACTOR, PTO)			$13,349	2.55	0.77	1.07	0.23	0.00	27
	T10LE005	400-35	POWER HARROW, 160" WIDE ROTERRA (ADD 75 HP TRACTOR, PTO)			$14,883	2.85	0.85	1.19	0.26	0.00	29

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
T15	**TRACTORS, CRAWLER (DOZER) (includes blade)**												
	SUBCATEGORY 0.01		**0 THRU 225 HP**										
			CATERPILLAR, INC.										
	T15CA002	D-3C III LGP (MA	LOW GROUND PRESSURE (WITH SEMI-U BLADE)	70 HP	D-off		$85,285	23.21	4.71	6.40	1.51	2.32	170
	T15CA020	D-4C III	POWERSHIFT (WITH SEMI-U BLADE)	80 HP	D-off		$84,712	23.54	4.67	6.35	1.50	2.65	161
	T15CA005	D-4C III LGP	LOW GROUND PRESSURE (WITH SEMI-U BLADE)	80 HP	D-off		$95,694	26.11	5.29	7.18	1.70	2.65	170
	T15CA021	D-5C III	POWERSHIFT (WITH SEMI-U BLADE)	90 HP	D-off		$90,752	25.43	5.01	6.81	1.61	2.98	180
	T15CA022	D-5C III LGP	LOW GROUND PRESSURE (WITH SEMI-U BLADE)	90 HP	D-off		$98,106	27.14	5.42	7.36	1.74	2.98	199
	T15CA008	D-6M XL	POWERSHIFT (WITH SEMI-U BLADE)	140 HP	D-off		$164,356	44.98	9.09	12.33	2.92	4.64	321
	T15CA010	D-6H II	POWERSHIFT (WITH SEMI-U BLADE)	165 HP	D-off		$176,391	48.95	9.75	13.23	3.13	5.46	386
	T15CA009	D-6R SA	SPECIAL APPLICATION, TRASH/WASTE	165 HP	D-off		$192,630	52.74	10.65	14.45	3.42	5.46	385
	T15CA011	D-6R LGP	LOW GROUND PRESSURE (WITH SEMI-U BLADE)	185 HP	D-off		$223,720	60.96	12.36	16.78	3.97	6.13	439
	T15CA012	D-7R	POWERSHIFT (WITH SEMI-U BLADE)	230 HP	D-off		$294,092	79.51	16.25	22.06	5.22	7.62	418
			CASE CORPORATION										
	T15CS004	550G	WITH UNIVERSAL BLADE	67 HP	D-off		$80,177	21.87	4.42	6.01	1.42	2.22	136
	T15CS005	650G	WITH UNIVERSAL BLADE	80 HP	D-off		$93,256	25.53	5.14	6.99	1.65	2.65	155
	T15CS006	850G	WITH UNIVERSAL BLADE	89 HP	D-off		$104,396	28.57	5.77	7.83	1.85	2.95	169
	T15CS007	1150G	WITH UNIVERSAL BLADE	118 HP	D-off		$141,134	38.52	7.79	10.59	2.50	3.91	271
			FIATALLIS										
	T15FI003	FD9	POWERSHIFT (WITH SEMI-U TILT BLADE)	107 HP	D-off		$109,821	30.68	6.07	8.24	1.95	3.54	237
	T15FI014	FD145	POWERSHIFT (WITH HYDR SEMI-U BLADE)	125 HP	D-off		$140,272	38.64	7.75	10.52	2.49	4.14	308
	T15FI015	FD175	POWERSHIFT (WITH HYDR SEMI-U BLADE)	167 HP	D-off		$159,167	45.02	8.79	11.94	2.82	5.53	365
			KOMATSU DRESSER COMPANY										
	T15ID001	TD-7H	POWERSHIFT (WITH ANGLE BLADE)	70 HP	D-off		$79,075	21.76	4.37	5.93	1.40	2.32	157
	T15ID002	TD-8H	POWERSHIFT (WITH ANGLE BLADE)	80 HP	D-off		$88,963	24.54	4.92	6.67	1.58	2.65	164

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
T15			***KOMATSU DRESSER COMPANY (continued)***										
	T15ID003	TD-12C	POWERSHIFT (WITH SEMI-U BLADE)	125 HP	D-off		$148,725	40.61	8.21	11.15	2.64	4.14	281
	T15ID004	TD-15C	POWERSHIFT (WITH SEMI-U BLADE)	140 HP	D-off		$189,086	50.74	10.44	14.18	3.35	4.64	316
	T15ID005	TD-20G	POWERSHIFT (WITH SEMI-U BLADE)	225 HP	D-off		$305,499	81.92	16.88	22.91	5.42	7.45	495
			DEERE & COMPANY										
	T15JD001	400G	(WITH POWER ANGLE TILT BLADE)	60 HP	D-off		$56,838	16.10	3.14	4.26	1.01	1.99	114
	T15JD002	450G	POWERSHIFT (WITH HYDRAULIC BLADE)	70 HP	D-off		$66,981	18.93	3.70	5.02	1.19	2.32	153
	T15JD003	550G	POWERSHIFT (WITH HYDRAULIC BLADE)	80 HP	D-off		$81,503	22.80	4.50	6.11	1.45	2.65	167
	T15JD004	650G	POWERSHIFT (WITH HYDRAULIC BLADE)	90 HP	D-off		$90,318	25.32	4.98	6.77	1.60	2.98	188
	T15JD005	750C	(WITH SEMI-U BLADE)	140 HP	D-off		$161,702	44.36	8.94	12.13	2.87	4.64	291
	T15JD006	750C LGP	(WITH STRAIGHT BLADE)	140 HP	D-off		$167,823	45.79	9.28	12.59	2.98	4.64	313
	T15JD007	850C	(WITH SEMI-U BLADE)	185 HP	D-off		$198,256	55.01	10.96	14.87	3.52	6.13	367
	T15JD008	850C LGP	(WITH STRAIGHT BLADE)	185 HP	D-off		$219,178	59.90	12.11	16.44	3.89	6.13	400
			KOMATSU DRESSER COMPANY										
	T15KM001	D31E-20	HYDROSHIFT (WITH ANGLE BLADE)	70 HP	D-off		$94,326	25.31	5.21	7.07	1.67	2.32	123
	T15KM002	D37E-5	HYDROSHIFT (WITH ANGLE BLADE)	80 HP	D-off		$98,395	26.74	5.44	7.38	1.75	2.65	149
	T15KM003	D58E-1B	HYDROSHIFT (WITH ANGLE BLADE)	130 HP	D-off		$170,644	45.98	9.43	12.80	3.03	4.31	336
	T15KM013	D65EX-12	POWERSHIFT (WITH SEMI-U BLADE)	190 HP	D-off		$298,591	78.65	16.50	22.39	5.30	6.29	414
	T15KM007	D85E-21	POWERSHIFT (WITH SEMI-U BLADE)	225 HP	D-off		$321,645	85.70	17.77	24.12	5.71	7.45	548
	SUBCATEGORY 0.02		**226 HP THRU 425 HP**										
			CATERPILLAR, INC.										
	T15CA014	D-7R LGP	LOW GROUND PRESSURE (WITH SEMI-U BLADE)	240 HP	D-off		$347,029	54.30	13.42	15.42	5.71	7.95	566
	T15CA016	D-8R	POWERSHIFT (WITH SEMI-U BLADE)	305 HP	D-off		$364,782	59.40	14.12	16.21	6.01	10.10	754
	T15CA017	D-9R	POWERSHIFT (WITH SEMI-U BLADE)	405 HP	D-off		$501,428	81.03	19.41	22.29	8.26	13.41	1,030
			FIATALLIS										
	T15FI016	FD255	POWERSHIFT (WITH HYDR SEMI-U BLADE)	241 HP	D-off		$222,210	38.62	8.60	9.88	3.66	7.98	669

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
			KOMATSU DRESSER COMPANY									
	T15ID006	TD-25G	POWERSHIFT (WITH SEMI-U BLADE)	320 HP D-off		$428,916	68.14	16.59	19.06	7.06	10.60	731
			KOMATSU DRESSER COMPANY									
	T15KM008	D155AX-3	POWERSHIFT (WITH SEMI-U BLADE)	302 HP D-off		$441,005	68.86	17.06	19.60	7.26	10.00	748
	T15KM012	D275A-2	POWERSHIFT (WITH SEMI-U BLADE)	405 HP D-off		$602,123	93.71	23.30	26.76	9.92	13.41	1,118
	SUBCATEGORY 0.03		**OVER 425 HP**									
			CATERPILLAR, INC.									
	T15CA018	D-10R	POWERSHIFT (WITH SEMI-U BLADE)	570 HP D-off		$679,691	100.97	23.81	26.26	10.68	18.88	1,366
	T15CA019	D-11R	POWERSHIFT W/CAB (WITH SEMI-U BLADE)	850 HP D-off		$1,103,721	160.75	38.66	42.64	17.34	28.15	1,998
			KOMATSU DRESSER COMPANY									
	T15ID008	TD-40B	POWERSHIFT (WITH SEMI-U BLADE)	520 HP D-off		$681,710	99.07	23.88	26.34	10.71	17.22	1,229
			KOMATSU DRESSER COMPANY									
	T15KM011	D475A-2	POWERSHIFT (WITH SEMI-U BLADE)	770 HP D-off		$1,217,657	170.22	42.66	47.05	19.13	25.50	1,975
T20	**TRACTORS, WHEEL TYPE (DOZER)**											
	SUBCATEGORY 0.00		**TRACTORS, WHEEL TYPE (DOZER)**									
			CATERPILLAR, INC.									
	T20CA001	814-B F	POWERSHIFT (WITH STRAIGHT BLADE, ARTIC)	220 HP D-off		$258,092	48.29	13.08	17.72	4.22	6.68	365
	T20CA002	824-G	POWERSHIFT (WITH STRAIGHT BLADE, ARTIC)	315 HP D-off		$367,274	69.72	18.49	24.96	6.01	9.56	576
	T20CA003	834-B	POWERSHIFT (WITH STRAIGHT BLADE, ARTIC)	450 HP D-off		$556,866	105.44	27.91	37.60	9.11	13.66	906

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
T25	**TRACTORS, AGRICULTURAL**											
	SUBCATEGORY 0.10		**CRAWLER**									
			CATERPILLAR, INC.									
	T25CA001	D6E SR	CRAWLER, 155-216 HP, & 3 PT HITCH	216 HP D-off		$180,347	41.71	10.66	15.33	3.00	6.56	340
	T25CA002	CH 65D	CRAWLER, RUBBER TRACKS, & 3 PT HITCH	300 HP D-off		$161,553	41.66	9.55	13.73	2.69	9.11	363
	T25CA004	CH 75D	CRAWLER, RUBBER TRACKS, & 3 PT HITCH	330 HP D-off		$177,518	45.79	10.50	15.09	2.95	10.02	369
	T25CA005	CH 85D	CRAWLER, 325-355 HP, RUBBER TRACKS	355 HP D-off		$179,306	47.13	10.60	15.24	2.98	10.78	352
	SUBCATEGORY 0.20		**WHEEL**									
			DEERE & COMPANY									
	T25JD005	5200	AGRICULTURAL, 2X4 (NO ATTACHMENTS)	40 HP D-off		$19,968	6.23	1.35	2.02	0.34	1.21	43
	T25JD006	5400	AGRICULTURAL, 2X4 (NO ATTACHMENTS)	60 HP D-off		$25,494	8.34	1.72	2.56	0.44	1.82	46
	T25JD007	6400	AGRICULTURAL, 2X4 (NO ATTACHMENTS)	85 HP D-off		$35,556	11.80	2.37	3.52	0.61	2.58	76
	T25JD008	7410	AGRICULTURAL, 4X4 (NO ATTACHMENTS)	105 HP D-off		$51,771	16.12	3.54	5.33	0.88	3.19	74
	T25JD009	7710	AGRICULTURAL, 4X4 (NO ATTACHMENTS)	130 HP D-off		$67,408	20.65	4.64	6.99	1.15	3.95	89
	T25JD010	8100	AGRICULTURAL, 4X4 (NO ATTACHMENTS)	160 HP D-off		$88,995	26.96	6.06	9.09	1.52	4.86	179
	T25JD011	8300	AGRICULTURAL, 4X4 (NO ATTACHMENTS)	200 HP D-off		$106,850	32.58	7.32	10.99	1.82	6.07	185
	T25JD012	9200	AGRICULTURAL, 4X4 (NO ATTACHMENTS)	310 HP D-off		$118,883	40.46	7.71	11.35	2.03	9.41	310
	T25JD013	9400	AGRICULTURAL, 4X4 (NO ATTACHMENTS)	425 HP D-off		$153,257	52.83	10.12	15.00	2.62	12.90	338
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		$22,986	7.14	1.52	2.24	0.40	1.03	24
	T30CS004	360	60" DEEP X 14" WIDE, 4X4, WITH BLADE	30 HP D-off		$26,289	7.83	1.70	2.48	0.46	0.91	39
	T30CS005	460	60" DEEP X 16" WIDE, 4X4X4, W/BH & BLADE	34 HP D-off		$32,444	9.52	2.11	3.09	0.57	1.03	57
	T30CS006	560	72" DEEP X 16" WIDE, 4X4X4, W/BH & BLADE	46 HP D-off		$44,708	13.09	2.94	4.31	0.79	1.40	70
	T30CS007	660	72" DEEP X 16" WIDE, 4X4X4, W/BH & BLADE	56 HP D-off		$49,744	14.75	3.28	4.82	0.87	1.70	103
	T30CS008	860	84" DEEP X 18" WIDE, 4X4X4, W/BH & BLADE	79 HP D-off		$84,816	24.48	5.59	8.19	1.49	2.40	127

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

	REGION 8			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES ($/HR)		ADJUSTABLE ELEMENTS			
CAT	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	1996 ($)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
			DITCH WITCH									
	T30DW012	1220	36" DEEP X 6" WIDE,WALK BEHIND	13 HP G		$7,682	3.18	0.52	0.75	0.14	0.94	8
	T30DW013	1820	48" DEEP X 16" WIDE,WALK BEHIND	18 HP G		$11,491	4.61	0.76	1.11	0.20	1.30	13
	T30DW014	3610	60" DEEP X 16" WIDE, 4X4 (WITH BLADE)	35 HP D-off		$27,307	8.27	1.76	2.57	0.48	1.06	39
	T30DW005	3500	63" DEEP X 12" WIDE, 4X4 (W/DBL PIVOT)	44 HP D-off		$29,363	9.17	1.92	2.79	0.52	1.34	42
	T30DW015	4500	52" DEEP X 12" WIDE, 4X4 (WITH BLADE)	52 HP D-off		$39,562	12.04	2.60	3.80	0.70	1.58	45
	T30DW016	5110	80" DEEP X 24" WIDE, 4X4 (WITH BLADE)	53 HP D-off		$43,767	13.12	2.91	4.28	0.77	1.61	49
	T30DW017	7610	90" DEEP X 24" WIDE, 4X4 (WITH BLADE)	74 HP D-off		$50,342	15.64	3.33	4.88	0.89	2.25	58
	T30DW018	8020	90" DEEP X 30" WIDE, 4X4 (WITH BLADE)	78 HP D-off		$63,209	19.01	4.19	6.16	1.11	2.37	66
	T30DW011	HT100	69" DEEP X 8" WIDE, 4X4 (W/BLADE,CWLR)	106 HP D-off		$131,626	37.26	8.89	13.16	2.31	3.22	158
	T30DW010	R100	96" DEEP X 24" WIDE, 4X4 (W/BLADE)	106 HP D-off		$111,473	32.29	7.26	10.60	1.96	3.22	95
			TESMEC USA, INC.									
	T30TM002	TRS 900-B	4' DEEP X 12" WIDE, CHAINSAW, CRAWLER (WITH CRUMBSHOE)	185 HP D-off		$230,192	65.16	15.56	23.02	4.05	5.62	405
	T30TM003	TRS 900-B	8' DEEP X 24" WIDE, CHAINSAW, CRAWLER (WITH CRUMBSHOE)	185 HP D-off		$246,497	69.23	16.66	24.65	4.33	5.62	425
	T30TM005	TRS 900-B-SL	4' DEEP X 12" WIDE, CHAINSAW, CRAWLER (W/CRUMBSHOE) SELF LEVEL	185 HP D-off		$256,954	71.86	17.37	25.70	4.52	5.62	430
	T30TM006	TRS 900-B-SL	8' DEEP X 24" WIDE, CHAINSAW, CRAWLER (W/CRUMBSHOE) SELF LEVEL	185 HP D-off		$275,982	76.63	18.65	27.60	4.85	5.62	450
	T30TM007	TRS 900-SLO	4' DEEP X 12" WIDE, CHAINSAW, CRAWLER (W/CRUMBSHOE) SELF LEVEL, OFFSET	240 HP D-off		$308,752	87.06	20.87	30.88	5.43	7.29	450
	T30TM008	TRS 900-SLO	6' DEEP X 18" WIDE, CHAINSAW, CRAWLER (W/CRUMBSHOE) SELF LEVEL, OFFSET	240 HP D-off		$320,699	90.05	21.68	32.07	5.64	7.29	470
	T30TM012	TRS 1100	8' DEEP X 26" WIDE, CHAINSAW, CRAWLER (WITH CRUMBSHOE)	350 HP D-off		$420,770	119.57	28.44	42.08	7.40	10.63	850
	T30TM010	TRS 1000-B	10' DEEP X 30" WIDE, CHAINSAW, CRAWLER (WITH CRUMBSHOE)	270 HP D-off		$356,117	100.13	24.06	35.61	6.26	8.20	650
	T30TM014	TRS 1300	10' DEEP X 26" WIDE, CHAINSAW, CRAWLER (WITH CRUMBSHOE)	503 HP D-off		$642,922	181.41	43.46	64.29	11.31	15.27	1,550
	T30TM013	TRS 1300	14' DEEP X 42" WIDE, CHAINSAW, CRAWLER (WITH CRUMBSHOE)	402 HP D-off		$656,539	180.73	44.37	65.65	11.54	12.20	1,550
	T30TM015	TRS 1300	16' DEEP X 42" WIDE, CHAINSAW, CRAWLER (WITH CRUMBSHOE)	503 HP D-off		$680,141	190.73	45.97	68.01	11.96	15.27	1,550

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
T30			*TESMEC USA, INC. (continued)*										
	T30TM001	TRS 900-A	3' DEEP X 4"-8" WIDE, ROCKSAW, CRAWLER (WITH CRUMBSHOE)	185 HP	D-off		$226,955	64.35	15.34	22.70	3.99	5.62	375
	T30TM004	TRS 900-A-SL	3' DEEP X 4"-8" WIDE, ROCKSAW, CRAWLER (W/CRUMBSHOE) SELF LEVEL	185 HP	D-off		$245,081	68.89	16.57	24.51	4.31	5.62	400
	T30TM009	TRS 1000-A	4' DEEP X 5"-12" WIDE, ROCKSAW, CRAWLER (WITH CRUMBSHOE)	270 HP	D-off		$318,955	90.83	21.56	31.90	5.61	8.20	550
			VERMEER MANUFACTURING COMPANY										
	T30VE007	T-455	6' DEEP X 7.5"-24" WIDE, HYDROSTATIC	85 HP	D-off		$112,464	31.62	7.61	11.25	1.98	2.58	195
	T30VE008	T-555	8' DEEP X 8"-24" WIDE, CRAWLER, HYDSTAT	140 HP	D-off		$189,791	53.21	12.83	18.98	3.34	4.25	225
	T30VE009	T-655	8' DEEP X 10"-24" WIDE, CRAWLER, HYDSTAT	180 HP	D-off		$277,145	76.70	18.73	27.71	4.87	5.46	425
	T30VE010	T-755	10' DEEP X 14"-36" WIDE, CRAWLER, HYDSTAT	230 HP	D-off		$349,492	96.86	23.63	34.95	6.15	6.98	660
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		$172,878	40.84	9.88	13.83	2.97	4.25	230
	T35CT002	9600-S	72" DEEP X 24" WIDE, ROUND BKT, CRWLR	140 HP	D-off		$200,992	46.58	11.50	16.08	3.46	4.25	229
	T35CT003	246-FD	84" DEEP X 24" WIDE, ROUND BKT, CRWLR	185 HP	D-off		$224,657	53.20	12.84	17.97	3.86	5.62	320
	T35CT004	7036-HD	84" DEEP X 36" WIDE, ROUND BKT, CRWLR	102 HP	D-off		$212,062	47.29	12.13	16.96	3.65	3.10	286
	T35CT005	7036-HD-2	84" DEEP X 27.5" WIDE, ROUND BKT, CRWLR	102 HP	D-off		$210,750	47.02	12.05	16.86	3.62	3.10	282
	T35CT006	7036-3	84" DEEP X 33.5" WIDE, ROUND BKT, CRWLR	102 HP	D-off		$200,574	44.96	11.48	16.05	3.45	3.10	263
	T35CT007	7036-SD	84" DEEP X 36" WIDE, ROUND BKT, CRWLR	102 HP	D-off		$221,509	49.22	12.67	17.72	3.81	3.10	340
	T35CT008	8700-2	84" DEEP X 36" WIDE, ROUND BUCKET, CRWLR	150 HP	D-off		$281,283	63.32	16.09	22.50	4.84	4.55	425
	T35CT009	7648-SD	90" DEEP X 48" WIDE, ROUND BKT, CRWLR	150 HP	D-off		$329,824	73.20	18.87	26.39	5.67	4.55	455
	T35CT010	7648-SD-4	90" DEEP X 42" WIDE, ROUND BKT, CRWLR	150 HP	D-off		$328,239	72.87	18.77	26.26	5.64	4.55	497
	T35CT011	400W-HD	108" DEEP X 72" WIDE , ROUND BKT, CRWLR	175 HP	D-off		$388,445	86.15	22.22	31.08	6.68	5.31	672

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
T40	**TRUCK OPTIONS**											
	SUBCATEGORY 0.10		**CRANES / HOISTS, PERSONNEL & MATERIAL HANDLING**									
			AUTO CRANE COMPANY									
	T40AH001	A50A	3.5 TON, W/32' BOOM (ADD 21,000 GVW TRUCK & FLATBED)			$18,368	4.57	1.24	1.84	0.32	0.00	34
	T40AH002	A72A	5.0 TON, W/32' BOOM (ADD 26,000 GVW TRUCK & FLATBED)			$22,496	5.54	1.52	2.25	0.40	0.00	45
	T40AH003	A95	6.6 TON, W/36' BOOM (ADD 32,500 GVW TRUCK & FLATBED)			$31,879	7.75	2.16	3.19	0.56	0.00	68
	T40AH004	A125	8.6 TON, W/41' BOOM (ADD 46,000 GVW TRUCK & FLATBED)			$35,509	8.59	2.40	3.55	0.62	0.00	77
	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)			$9,459	2.09	0.65	0.95	0.17	0.00	42
			MIDLAND									
	T40MY001	KLEENSIDE	4.9 CY, AIR GATE (WITH HOIST) (ADD 24,000 GVW TRUCK)			$4,837	1.07	0.33	0.48	0.09	0.00	17
	T40MY002	KLEENSIDE	7.5 CY, AIR GATE (WITH HOIST) (ADD 27,000 GVW TRUCK)			$5,260	1.16	0.35	0.53	0.09	0.00	21
	T40MY003	KLEENSIDE	8.9 CY, AIR GATE (WITH HOIST) (ADD 27,000 GVW TRUCK)			$5,907	1.30	0.40	0.59	0.10	0.00	26
	T40MY004	KLEENSIDE	10.3 CY, AIR GATE (WITH HOIST) (ADD 36,000 GVW TRUCK)			$6,404	1.41	0.43	0.64	0.11	0.00	31
	T40MY005	KLEENSIDE	13.2 CY, AIR GATE (WITH HOIST) (ADD 36,000 GVW TRUCK)			$7,235	1.59	0.49	0.72	0.13	0.00	33
	SUBCATEGORY 0.30		**FLATBEDS, WITH SIDES**									
			KNAPHEIDE MANUFACTURING COMPANY									
	T40KF011		8' X 8', W/SIDE RACKS			$2,974	0.61	0.20	0.30	0.05	0.00	11

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
T40			*KNAPHEIDE MANUFACTURING COMPANY (continued)*									
	T40KF013		8' X 10', W/SIDE RACKS			$3,180	0.66	0.22	0.32	0.06	0.00	14
	T40KF014		8' X 12', W/SIDE RACKS			$3,424	0.70	0.23	0.34	0.06	0.00	16
	T40KF016		8' X 16', W/SIDE RACKS			$4,078	0.84	0.28	0.41	0.07	0.00	16
	T40KF018		8' X 20', W/SIDE RACKS			$4,907	1.01	0.33	0.49	0.09	0.00	18
	T40KF020		8' X 24', W/SIDE RACKS			$5,698	1.17	0.39	0.57	0.10	0.00	20
	SUBCATEGORY 0.41		**HOIST, ELECTRIC DRIVE**									
			KNAPHEIDE MANUFACTURING COMPANY									
	T40KF021		FLATBED HOIST, 8' TO 14', 7 TON PTO			$2,471	0.54	0.17	0.25	0.04	0.00	15
	T40KF022		FLATBED HOIST, 16' TO 24', 20 TON PTO			$4,673	1.03	0.32	0.47	0.08	0.00	18
	T40KF023		FLATBED HOIST, 16' TO 24', 7 TON, ELECT			$3,131	0.74	0.22	0.31	0.06	0.00	4
	T40KF024		FLATBED HOIST, 16' TO 24', 14 TON, ELECT			$3,645	0.84	0.24	0.36	0.06	0.00	6
	SUBCATEGORY 0.50		**TRANSIT MIXERS**									
			LONDON MACHINERY INC.									
	T40LN004	SERIES 60	8.5 CY TRANSIT MIXER			$21,944	5.45	1.54	2.33	0.37	0.00	1
	T40LN005	SERIES 65	9.0 CY TRANSIT MIXER			$22,426	5.56	1.57	2.38	0.38	0.00	1
	T40LN006	SERIES 70	9.5 CY TRANSIT MIXER			$22,899	5.67	1.61	2.43	0.39	0.00	1
	T40LN003	BRIDGE SPAN200	10.0 CY TRANSIT MIXER			$33,139	8.03	2.30	3.46	0.57	0.00	1
	T40LN007	SERIES 80	10.5 CY TRANSIT MIXER			$23,723	5.86	1.66	2.52	0.40	0.00	1
	T40LN008	SERIES 85	11.5 CY TRANSIT MIXER			$24,575	6.06	1.72	2.61	0.42	0.00	1
	T40LN009	SERIES 90	12.0 CY TRANSIT MIXER			$24,982	6.15	1.75	2.65	0.43	0.00	1
	T40LN010	SERIES 90 LP	12.0 CY TRANSIT MIXER			$24,982	6.15	1.75	2.65	0.43	0.00	1
	T40LN011	SERIES 100	13.0 CY TRANSIT MIXER			$25,521	6.27	1.79	2.71	0.44	0.00	1
	SUBCATEGORY 0.60		**WATER TANKS**									
			ROSCO MANUFACTURING COMPANY									
	T40RS001		2,000 GAL (ADD 28,000 GVW TRK)			$16,751	3.45	1.13	1.68	0.29	0.00	38
	T40RS002		3,000 GAL (ADD 40,000 GVW TRK)			$19,474	4.01	1.31	1.95	0.34	0.00	45
	T40RS003		4,000 GAL (ADD 50,000 GVW TRK)			$21,536	4.43	1.46	2.15	0.38	0.00	55

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.70		**ALL OTHER OPTIONS**									
			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		$105,502	29.10	7.14	10.55	1.86	4.25	275
T45	**TRUCK TRAILERS**											
	SUBCATEGORY 0.10		**BOTTOM DUMP**									
			MIDLAND									
	T45MY001	CLAMSHELL	12.8 CY, 16 TON, 29' TANDEM, 2 AXLE			$22,567	4.82	1.17	1.58	0.38	0.00	105
	T45MY002	CLAMSHELL	13.3 CY, 17 TON, 32' TANDEM, 2 AXLE			$22,996	4.89	1.19	1.61	0.38	0.00	116
	T45MY003	CLAMSHELL	14.4 CY, 19 TON, 40' TANDEM, 2 AXLE			$25,941	5.43	1.36	1.86	0.43	0.00	145
	T45MY004	CLAMSHELL	20.0 CY,26 TON, 42' TANDEM, 2 AXLE			$27,091	5.64	1.43	1.96	0.45	0.00	152
	T45MY005	CLAMSHELL	21.9 CY, 30 TON, 38' TRIAXLE			$28,517	6.09	1.42	1.91	0.47	0.00	138
	T45MY006	CLAMSHELL	22.7 CY, 30 TON, 40' TRIAXLE			$29,203	6.23	1.48	1.97	0.49	0.00	145
	T45MY007	CLAMSHELL	24.6 CY, 32 TON, 42' TRIAXLE			$30,322	6.42	1.53	2.06	0.50	0.00	152
	T45MY008	CROSS DUMP	19.4 CY, 25 TON, 29' TANDEM, 2 AXLE			$20,430	4.42	1.03	1.39	0.34	0.00	105
	T45MY009	CROSS DUMP	20.1 CY, 26 TON, 32' TANDEM, 2 AXLE			$20,878	4.50	1.06	1.43	0.35	0.00	116
	T45MY010	CROSS DUMP	21.4 CY, 28 TON, 40' TANDEM, 2 AXLE			$22,974	4.89	1.19	1.61	0.38	0.00	145
	T45MY011	CROSS DUMP	21.7 CY, 28 TON, 42' TANDEM, 2 AXLE			$24,092	5.09	1.25	1.70	0.40	0.00	152
	T45MY012	CROSS DUMP	20.4 CY, 26 TON, 38' TRIAXLE			$25,866	5.60	1.27	1.68	0.43	0.00	138
	T45MY013	CROSS DUMP	21.3 CY, 28 TON, 40' TRIAXLE			$26,385	5.71	1.30	1.73	0.44	0.00	145
	T45MY014	CROSS DUMP	24.6 CY, 32 TON, 42' TRIAXLE			$27,503	5.91	1.37	1.82	0.46	0.00	152
			NO SPECIFIC MANUFACTURER									
	T45XX001		18 CY, 27 TON			$35,071	7.03	1.98	2.80	0.58	0.00	122
	T45XX002		20 CY, 30 TON			$41,581	8.23	2.37	3.35	0.69	0.00	140
	T45XX003		30 CY, 30 TON			$42,073	8.33	2.40	3.40	0.70	0.00	160
	T45XX004		28 CY, 42 TON			$50,087	9.97	2.79	3.91	0.83	0.00	180
	T45XX005		20 CY, 35 TON, OFF-HIGHWAY			$58,938	11.52	3.36	4.75	0.98	0.00	175
	T45XX006		32 CY, 55 TON, OFF-HIGHWAY			$122,804	24.49	6.56	9.04	2.04	0.00	365

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
T45			***NO SPECIFIC MANUFACTURER (continued)***									
	T45XX007		43 CY, 70 TON, OFF-HIGHWAY			$136,228	26.96	7.35	10.18	2.26	0.00	445
	SUBCATEGORY 0.20		**END DUMP**									
			FRUEHAUF TRAILER CORPORATION									
	T45FH001	DFSL24-33	17 CY, END DUMP TRAILER			$24,741	4.64	1.36	1.89	0.41	0.00	98
			MIDLAND									
	T45MY015	XL 2000-24'	28 CY, 36 TON, 2 AXLE (WITH HOIST)			$22,227	4.74	1.15	1.55	0.37	0.00	115
	T45MY016	XL 2000-29'	28 CY, 36 TON, 2 AXLE (WITH HOIST)			$23,967	5.05	1.25	1.69	0.40	0.00	130
	T45MY017	XL 3000-35'	34 CY, 44 TON, 3 AXLE (WITH HOIST)			$27,298	5.84	1.36	1.81	0.45	0.00	170
			NO SPECIFIC MANUFACTURER									
	T45XX008		20 CY, 24 TON			$46,457	8.87	2.66	3.77	0.77	0.00	146
	SUBCATEGORY 0.30		**PUP TRAILER**									
			MIDLAND									
	T45MY018	PONY PUP	10 CY, 13 TON, 2 AXLE (WITH HOIST)			$17,010	4.26	0.98	1.38	0.29	0.00	80
			NO SPECIFIC MANUFACTURER									
	T45XX009		8 CY, LONG TONGUE			$27,584	6.37	1.83	2.71	0.47	0.00	86
	T45XX010		10 CY, LONG TONGUE			$27,792	6.41	1.84	2.73	0.47	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			$27,758	4.71	1.25	1.47	0.51	0.00	150
	T45EA007	50GSL/3	50 TON, DETATCHABLE GOOSENECK, 3 AXLE, 3 AXLE, 8'6"W X 24' L			$43,980	7.40	1.98	2.36	0.80	0.00	205
			NO SPECIFIC MANUFACTURER									

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
T45			*NO SPECIFIC MANUFACTURER (continued)*									
	T45XX011		25 TON, 2 AXLE			$27,315	4.64	1.38	1.75	0.50	0.00	89
	T45XX012		30 TON, 2 AXLE			$30,522	5.09	1.55	1.98	0.56	0.00	94
	T45XX013		35 TON, 2 AXLE			$33,329	5.53	1.69	2.15	0.61	0.00	109
	T45XX014		35 TON, 3 AXLE			$38,410	6.47	1.92	2.44	0.70	0.00	134
	T45XX015		40 TON, 3 AXLE			$40,108	6.70	2.01	2.57	0.73	0.00	144
	T45XX016		50 TON, 3 AXLE			$46,144	7.63	2.32	2.96	0.84	0.00	161
	T45XX017		60 TON, 3 AXLE			$49,916	8.37	2.45	3.08	0.91	0.00	188
	T45XX018		70 TON, 3 AXLE			$60,560	9.94	3.03	3.83	1.11	0.00	213
	T45XX019		75 TON, 3 AXLE			$62,473	10.22	3.12	3.96	1.14	0.00	228
	T45XX020		80 TON, 4 AXLE			$70,673	11.47	3.59	4.59	1.29	0.00	266
	T45XX021		90 TON, 4 AXLE			$76,182	12.39	3.83	4.88	1.39	0.00	297
	T45XX022		100 TON, 4 AXLE			$84,522	13.75	4.24	5.37	1.55	0.00	313
	T45XX023		120 TON, 4 AXLE			$98,197	15.92	4.90	6.20	1.80	0.00	351
	T45XX024		HELPER DOLLY (60 TON TRAILER MAX)			$23,592	3.79	1.17	1.47	0.43	0.00	62
	SUBCATEGORY 0.50		**FLATBED TRAILER**									
			FRUEHAUF TRAILER CORPORATION									
	T45FH002	SELECT SERIES	48' LONG, 2 AXLE, 80,000 LB. CAPACITY			$17,565	2.84	0.84	1.04	0.32	0.00	104
	T45FH003	PBH-HV DUTY	48' LONG, 2 AXLE, 100,000 LB. CAPACITY			$17,928	2.89	0.86	1.06	0.33	0.00	115
			NO SPECIFIC MANUFACTURER									
	T45XX025		25 TON, 2 AXLE			$22,514	7.55	1.11	1.40	0.41	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			$4,745	0.81	0.22	0.25	0.09	0.00	22
	T45EA003	HDB 10	10 TON, UTILITY, 2 AXLE, 8' W X 24' L			$9,625	1.70	0.41	0.46	0.18	0.00	58
	T45EA004	10TXT	10 TON, TILT BED, 2 AXLE, 8'W X 20' L			$12,596	2.14	0.57	0.67	0.23	0.00	60
	T45EA005	20TXT	20 TON, TILT BED, 2 AXLE, 8'W X 24' L			$18,320	3.29	0.75	0.83	0.33	0.00	80

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	T45TC001	TK6U	3 TON, UTILITY, 2 AXLE, 7'11"W X 12'L			$3,592	0.58	0.18	0.22	0.07	0.00	19
	T45TC002	TK8U	4 TON, UTILITY, 2 AXLE, 7'11.5"W X 14'L			$3,879	0.61	0.19	0.24	0.07	0.00	22
	T45TC003	TK10U	5 TON, UTILITY, 2 AXLE, 7'11.5"W X 16'L			$4,326	0.69	0.21	0.26	0.08	0.00	23
	T45TC004	TK12U	6 TON, UTILITY, 2 AXLE, 9'6"W X 16'L			$4,919	0.77	0.24	0.30	0.09	0.00	27
	T45TC005	TK18U	9 TON, UTILITY, 3 AXLE, 8'6"W X 20'L			$6,832	1.06	0.34	0.44	0.12	0.00	38
			NO SPECIFIC MANUFACTURER									
	T45XX026		12 TON, 2 AXLE			$14,749	2.73	0.73	0.92	0.27	0.00	62
	T45XX027		16 TON, 2 AXLE			$16,875	3.10	0.82	1.02	0.31	0.00	65
	T45XX028		20 TON, 2 AXLE			$18,341	3.38	0.88	1.07	0.34	0.00	67
	SUBCATEGORY 0.70		**WATER TANKER TRAILER**									
			NO SPECIFIC MANUFACTURER									
	T45XX029		4,000 GAL	63 HP D-off		$41,983	9.23	2.20	2.85	0.77	1.91	120
	T45XX030		5,000 GAL	63 HP D-off		$44,445	9.72	2.28	2.93	0.81	1.91	150
	T45XX031		6,000 GAL	63 HP D-off		$46,434	10.04	2.38	3.07	0.85	1.91	160
	SUBCATEGORY 0.80		**DECONTAMINATION FACILITY**									
			HAZCO									
	T45HA001		24 FOOT, 4 SHOWER UNIT			$28,084	6.38	1.73	2.42	0.52	0.00	35
	T45HA002		30 FOOT, 4 SHOWER UNIT			$33,882	7.69	2.09	2.92	0.63	0.00	45
	T45HA003		40 FOOT, 6 SHOWER UNIT			$45,179	10.16	2.78	3.88	0.84	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.			$51,068	9.39	2.63	3.39	0.93	0.00	144
	T45WR002	TKV-F2-R-5500	5500 GAL VAC. TANK TRLR, T316L S.S VESSEL, STRAIGHT FRAME CONSTR.			$73,402	13.31	3.82	4.96	1.34	0.00	145

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
T45			***WARNER FRUEHAUF TRAILER COMPANY, INC. (continued)***										
	T45WR003	TKX-F2-R-7000	7000 GAL INSUL. TANK TRLR, T316L S.S. VESSEL, STRAIGHT FRAME CONSTR.				$63,501	11.61	3.29	4.26	1.16	0.00	129
	T45WR004	TEV-F2-W-5500	7000 GAL INSUL. TANK TRLR, T316L S.S. VESSEL, ASYMMETRICAL DOUBLE CONICAL CONSTRUCTION				$50,820	9.46	2.62	3.38	0.93	0.00	129
	T45WR005	TEV-F2-R-5000	5000 GAL CORROSIVE TANK TRLR, T316L S.S. VESSEL, STRAIGHT FRAME CONSTR.				$50,507	9.29	2.60	3.35	0.92	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		$14,816	6.12	1.04	1.54	0.27	1.95	34
	T50FO002	F150	6,250 GVW (1/2 TON PICKUP) 4X4	117 HP	G		$17,308	6.75	1.23	1.81	0.32	1.95	38
	T50FO003	F250 HD	8,600 GVW (3/4 TON PICKUP) 4X2	117 HP	G		$16,298	6.58	1.13	1.66	0.30	1.95	39
	T50FO004	F250 HD	8,800 GVW (3/4 TON PICKUP) 4X4	137 HP	G		$18,791	7.67	1.31	1.93	0.35	2.28	43
	T50FO005	F350	10, 000 GVW (1 TON PICKUP) 4X2	137 HP	G		$19,460	7.89	1.34	1.96	0.36	2.28	44
			GMC AND CHEVROLET										
	T50GM001	S10	3,500 GVW (COMPACT PICKUP) 4X2	92 HP	G		$11,488	4.79	0.80	1.19	0.21	1.53	26
	T50GM002	S10	3,825 GVW (COMPACT PICKUP) 4X4	110 HP	G		$13,964	5.77	0.98	1.45	0.26	1.83	29
	T50GM003	C14	5, 600 GVW (1/2 TON PICKUP) 4X2	140 HP	G		$14,702	6.61	1.04	1.53	0.27	2.33	37
	T50GM004	R26	8,600 GVW (SUBURBAN) 4X2	165 HP	G		$27,093	10.06	1.93	2.86	0.50	2.75	47
	T50GM005	V26	8,600 GVW (SUBURBAN) 4X4	165 HP	G		$29,662	10.71	2.12	3.14	0.55	2.75	50
	T50GM006	C24 HD	8,600 GVW (3/4 TON PICKUP) 4X2	165 HP	G		$17,869	8.03	1.24	1.82	0.33	2.75	40
	T50GM007	K24 HD	8,600 GVW (3/4 TON PICKUP) 4X4	165 HP	G		$20,506	8.71	1.43	2.10	0.38	2.75	44
	T50GM008	C34	10,000 GVW (1 TON PICKUP) 4X2	165 HP	G		$17,999	8.03	1.25	1.84	0.33	2.75	40
	T50GM009	K34	10,000 GVW (3500 PICKUP) 4X4	165 HP	G		$20,636	8.71	1.44	2.13	0.38	2.75	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		$24,789	14.35	1.55	2.21	0.45	6.80	64

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

	REGION 8			ENGINE HORSEPOWER FUEL TYPE		VALUE (TEV)	TOTAL HOURLY RATES ($/HR)		ADJUSTABLE ELEMENTS			
CAT	ID.NO.	MODEL	EQUIPMENT DESCRIPTION	MAIN	CARRIER	1996 ($)	AVERAGE	STANDBY	DEPR	FCCM	FUEL	CWT
T50			*FORD MOTOR COMPANY (continued)*									
	T50FO007	F600	21,000 GVW, 2 AXLE, 4X2	170 HP D-on		$26,670	10.20	1.68	2.39	0.48	3.58	72
	T50FO008	F700	23,000 GVW, 2 AXLE, 4X2	213 HP D-on		$25,940	11.24	1.63	2.32	0.47	4.49	65
	T50FO009	F700	23,000 GVW, 2 AXLE, 4X2	216 HP D-on		$28,421	11.82	1.79	2.56	0.51	4.55	75
	T50FO010	F800	24,500 GVW, 2 AXLE, 4X2	160 HP G		$34,439	15.54	2.17	3.10	0.62	6.22	74
	T50FO011	F800	24,500 GVW, 2 AXLE, 4X2	210 HP D-on		$39,125	14.02	2.44	3.45	0.71	4.42	83
			GMC AND CHEVROLET									
	T50GM011	C6H042	25,000 GVW, 2 AXLE, 4X2	210 HP G		$28,219	16.88	1.78	2.54	0.51	8.16	69
	T50GM013	C7H042	27,100 GVW, 2 AXLE, 4X2	210 HP G		$28,473	16.98	1.79	2.54	0.52	8.16	72
	T50GM017	W4T042	14,250 GVW, 2 AXLE, 4X2	135 HP D-on		$21,330	8.10	1.36	1.93	0.39	2.84	45
	T50GM012	C6H042	25,000 GVW, 2 AXLE, 4X2	170 HP D-on		$32,682	11.40	2.06	2.95	0.59	3.58	76
	T50GM014	C7H042	27,100 GVW, 2 AXLE, 4X2	170 HP D-on		$33,469	11.68	2.10	2.97	0.61	3.58	79
			HINO DIESEL TRUCKS									
	T50HN001	FA1517/1	15,000 GVW, 2 AXLE, 4X2	168 HP D-on		$29,788	10.77	1.88	2.68	0.54	3.54	59
	T50HN002	FB1817/2	17,600 GVW, 2 AXLE, 4X2	168 HP D-on		$31,821	11.18	2.02	2.87	0.58	3.54	62
	T50HN003	FD2220/5	22,300 GVW, 2 AXLE, 4X2	200 HP D-on		$41,111	13.96	2.59	3.71	0.74	4.21	82
	T50HN004	FE2620/8	25,995 GVW, 2 AXLE, 4X2	200 HP D-on		$43,693	14.80	2.67	3.77	0.79	4.21	96
	T50HN005	FF3020/8	30,000 GVW, 2 AXLE, 4X2	200 HP D-on		$49,013	15.87	3.02	4.27	0.89	4.21	100
			NAVISTAR INTERNATIONAL CORPORATION									
	T50IT002	4700 SC	21,500 GVW, 2 AXLE, 4X2	175 HP D-on		$39,259	12.85	2.50	3.57	0.71	3.69	76
	T50IT003	4900 SD	25,500 GVW, 2 AXLE, 4X2	195 HP D-on		$47,979	15.15	3.06	4.39	0.87	4.11	83
			MITSUBISHI FUSO TRUCK OF AMERICA									
	T50MH001	FE639L	11,600 GVW, 2 AXLE, 4X2, AUTOMATIC	135 HP D-on		$26,676	9.23	1.68	2.39	0.48	2.84	48
	T50MH002	FE639T	13,500 GVW, 2 AXLE, 4X2, AUTOMATIC	135 HP D-on		$27,554	9.41	1.74	2.47	0.50	2.84	48
	T50MH003	FH211T	17,198 GVW, 2 AXLE, 4X2, AUTOMATIC	175 HP D-on		$36,462	12.30	2.31	3.30	0.66	3.69	63
	T50MH004	FK617T	23,000 GVW, 2 AXLE, 4X2, AUTOMATIC	200 HP D-on		$44,144	14.66	2.78	3.95	0.80	4.21	82
	T50MH005	FM617L	25,995 GVW, 2 AXLE, 4X2, AUTOMATIC	200 HP D-on		$46,796	15.09	2.97	4.24	0.85	4.21	88
	T50MH006	FM617T	30,000 GVW, 2 AXLE, 4X2, AUTOMATIC	200 HP D-on		$50,629	16.19	3.13	4.42	0.92	4.21	90
	T50MH009	FE649T	14,500 GVW, 2 AXLE, 4X2, AUTOMATIC	145 HP D-on		$30,789	10.31	1.95	2.78	0.56	3.05	145

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
T50			*MITSUBISHI FUSO TRUCK OF AMERICA (continued)*									
	T50MH010	FG639T	12,000 GVW, 2 AXLE, 4X2, MANUAL	135 HP D-on		$31,004	10.08	1.96	2.80	0.56	2.84	120
	SUBCATEGORY 0.03		**OVER 30,000 GVW (CHASSIS ONLY-ADD OPTIONS)**									
			FORD MOTOR COMPANY									
	T50FO013	LT8000	43,000 GVW, 3 AXLE, 6X4	210 HP D-on		$64,302	22.18	4.22	6.18	1.13	6.39	119
	T50FO014	LTS8000	43,000 GVW, 3 AXLE, 6X4	210 HP D-on		$66,225	22.60	4.34	6.36	1.16	6.39	122
	T50FO015	LNT8000	43,000 GVW, 80,000 GCW, 3 AXLE, 6X4	210 HP D-on		$63,662	22.08	4.17	6.10	1.12	6.39	117
	T50FO017	LT9000	43,000 GVW, 3 AXLE, 6X4	260 HP D-on		$111,288	34.24	7.30	10.68	1.96	7.91	133
	T50FO018	LTS9000	46,000 GVW, 3 AXLE, 6X4,	260 HP D-on		$114,238	34.87	7.48	10.95	2.01	7.91	138
	T50FO019	LNT9000	43,000 GVW, 138,000 GCW, 3 AXLE, 6X4	260 HP D-on		$110,702	34.15	7.25	10.60	1.95	7.91	130
			GMC AND CHEVROLET									
	T50GM016	C7H064	46,000 GVW, 3 AXLE, 6X4	215 HP D-on		$55,190	20.58	3.59	5.24	0.97	6.54	118
	T50GM015	C7H064	46,000 GVW, 3 AXLE, 6X4	255 HP G		$47,154	29.72	3.04	4.43	0.83	14.15	112
			HINO DIESEL TRUCKS									
	T50HN006	SG3325	32,900 GVW, 2 AXLE, 4X2	252 HP D-on		$54,830	22.06	3.54	5.16	0.96	7.67	105
	T50HN007	SG5523	55,000 GVW, 2 AXLE, 4X2	225 HP D-on		$60,681	22.16	3.95	5.75	1.07	6.84	107
			NAVISTAR INTERNATIONAL CORPORATION									
	T50IT011	9300 FA	32,000 GVW, 80,000 GCW, 3 AXLE, 4X2	280 HP D-on		$113,400	35.67	7.39	10.80	1.99	8.52	111
	T50IT010	2574 ZM	35,000 GVW, 60,000 GCW, 3 AXLE, 4X2	275 HP D-on		$90,262	30.74	5.84	8.49	1.59	8.37	106
	T50IT012	9300 FB	46,000 GVW, 90,000 GCW, 3 AXLE, 6X4	280 HP D-on		$127,548	38.58	8.35	12.22	2.24	8.52	138
	T50IT007	5000 TN	52,350 GVW, 60,000 GCW, 3 AXLE, 6X6	275 HP D-on		$155,198	43.52	10.35	15.24	2.73	8.37	165
	T50IT005	5000 TG	56,000 GVW, 60,000 GCW, 3 AXLE, 6X4	275 HP D-on		$123,157	36.95	8.18	12.03	2.17	8.37	144
	T50IT004	4900 SH	40,000 GVW, 3 AXLE, 6X4	195 HP D-on		$71,853	23.18	4.71	6.90	1.26	5.93	119
	T50IT008	4900 SJ	43,000 GVW, AXLE, 6X6	195 HP D-on		$90,410	26.99	5.97	8.76	1.59	5.93	126
			KENWORTH TRUCK COMPANY									
	T50KE001	T800B	33,000 GVW, 76,800 GCW, 2 AXLE, 4X2	330 HP D-on		$93,511	32.85	6.22	9.17	1.64	10.04	119
	T50KE002	T600B	33,000 GVW, 76,800 GCW, 2 AXLE, 4X2	330 HP D-on		$95,430	33.25	6.36	9.36	1.68	10.04	121

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
T50			*KENWORTH TRUCK COMPANY (continued)*									
	T50KE005	W900B	50,000 GVW, 85,000 GCW, 3 AXLE, 6X4	330 HP D-on		$102,894	35.06	6.80	9.99	1.81	10.04	139
	T50KE004	K100E	50,000 GVW, 85,000 GCW, 3 AXLE, 6X4	330 HP D-on		$103,732	35.22	6.86	10.07	1.82	10.04	143
	T50KE003	C500B	50,000 GVW, 3 AXLE, 6X4	330 HP D-on		$110,886	36.70	7.34	10.79	1.95	10.04	144
			MITSUBISHI FUSO TRUCK OF AMERICA									
	T50MH007	FM657	32,900 GVW, 2 AXLE, 4X2, MANUAL	200 HP D-on		$49,767	18.91	3.21	4.66	0.88	6.08	99
	T50MH008	FM657	32,900 GVW, 2 AXLE, 4X2, MANUAL	230 HP D-on		$51,970	20.59	3.35	4.88	0.91	7.00	103
	T50MH011	FW657T	32,900 GVW, 2 AXLE, 4X2, MANUAL	230 HP D-on		$55,157	21.23	3.57	5.19	0.97	7.00	329
			MACK TRUCKS, INC.									
	T50MT012	CH612	35,000 GVW, CONV TRACTOR, 4X2	350 HP D-on		$85,469	31.94	5.71	8.42	1.50	10.65	114
	T50MT013	RD8905	64,000 GVW, CONV TRACTOR, 6X4	350 HP D-on		$118,420	38.69	7.94	11.71	2.08	10.65	206
	T50MT007	RD690SX	76,000 GVW CONV. DUMPER 6X4, CHASIS ONLY	300 HP D-on		$114,912	35.95	7.70	11.36	2.02	9.13	199
	T50MT008	DM690SX	78,000 GVW, CONV DUMPER/MIXER, 6X4, CHASIS ONLY	300 HP D-on		$114,921	35.95	7.70	11.36	2.02	9.13	197
	T50MT014	RM6906S	60,000 GVW, CONV MIXER, 6X6, CHASIS ONLY	300 HP D-on		$123,433	37.89	8.23	12.12	2.17	9.13	172
	T50MT015	RD6906SX	74,000 GVW, CONV MIXER, 6X6, CHASIS ONLY	300 HP D-on		$134,833	40.23	9.00	13.26	2.37	9.13	199
	T50MT016	CH613	50,000 GVW, CONV TRACT, 6X6, CHASIS ONLY	400 HP D-on		$102,735	37.58	6.86	10.09	1.81	12.17	143
			PETERBILT MOTORS COMPANY									
	T50PE007	379 5H	35,000 GVW, 2 AXLE, 4X2	350 HP D-on		$100,718	35.17	6.70	9.86	1.77	10.65	116
	T50PE005	357 AA	43,000 GVW, 100,000 GCW, 3 AXLE, 4X2	350 HP D-on		$101,094	35.99	6.57	9.57	1.78	10.65	134
	T50PE002	378 FD	46,000 GVW, 110000 GCW, 3 AXLE, 6X4	350 HP D-on		$104,006	36.58	6.76	9.86	1.83	10.65	137
	T50PE004	379 5D	46,000 GVW, 110000 GCW, 3 AXLE, 6X4	350 HP D-on		$106,982	37.19	6.96	10.16	1.88	10.65	137
	T50PE003	362 6D	50,000 GVW, 110000 GCW, 3 AXLE, 6X4	350 HP D-on		$109,234	37.66	7.12	10.39	1.92	10.65	141
	T50PE006	320	69,000 GVW, 3 AXLE, 6X4	300 HP D-on		$96,922	33.11	6.28	9.16	1.70	9.13	158

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
T55	**TRUCKS, OFF-HIGHWAY**												
	SUBCATEGORY 0.00		**TRUCKS, OFF-HIGHWAY**										
			CATERPILLAR, INC.										
	T55CA001	769D	22-30 CY, 35 TON, REAR DUMP, P/S	450 HP	D-off		$465,275	55.31	14.82	15.12	7.26	8.69	743
	T55CA002	773D	30-45 CY, 50 TON, REAR DUMP, P/S	650 HP	D-off		$637,508	78.66	20.20	20.51	9.95	12.56	968
	T55CA003	777D	47-78 CY, 85 TON, REAR DUMP, P/S	870 HP	D-off		$956,507	114.63	30.34	30.82	14.93	16.81	1,440
			CATERPILLAR (DJB)										
	T55DJ001	D25D 4X4	13-18 CY, 25 TON, REAR DUMP, ARTIC, P/S	260 HP	D-off		$305,713	34.39	9.77	10.00	4.77	5.02	471
	T55DJ002	D250D 6X4	13.7-18 CY, 25 TON, REAR DUMP, ARTIC, P/S	214 HP	D-off		$310,227	34.06	9.91	10.13	4.84	4.13	424
	T55DJ004	D300E 6X6	16-21 CY, 30 TON, REAR DUMP, ARTIC, P/S	260 HP	D-off		$366,740	40.82	11.69	11.94	5.72	5.02	488
	T55DJ003	D30D 4X4	17-22 CY, 30 TON, REAR DUMP, ARTIC, P/S	285 HP	D-off		$358,119	40.08	11.43	11.68	5.59	5.51	519
	T55DJ010	D350E DWL 6X6	18-26 CY, 35 TON, REAR DUMP, ARTIC, P/S	285 HP	D-off		$454,436	46.35	14.64	15.09	7.09	5.51	580
	T55DJ005	D3502 6X6	20-25 CY, 35 TON, REAR DUMP, ARTIC, P/S	285 HP	D-off		$430,329	46.52	13.77	14.09	6.72	5.51	599
	T55DJ007	D400E DWL 6X6	21-28 CY, 40 TON, REAR DUMP, ARTIC, P/S	385 HP	D-off		$496,413	56.37	15.83	16.16	7.75	7.44	653
			EUCLID INDUSTRIES										
	T55EU006	R40C	27-36 CY, 40 TON, REAR DUMP, P/S, RIGID	525 HP	D-off		$333,660	46.99	10.54	10.65	5.21	10.14	1,620
	T55EU007	R60C	33-47 CY, 60 TON, REAR DUMP, P/S, RIGID	700 HP	D-off		$447,081	65.14	14.00	14.03	6.98	13.52	2,240
	T55EU008	R65C	37-51 CY, 72 TON, REAR DUMP, P/S, RIGID	760 HP	D-off		$487,111	69.88	15.30	15.39	7.60	14.68	2,390
	T55EU009	R90	47-69 CY, 95 TON, REAR DUMP, P/S, RIGID	1,050 HP	D-off		$652,779	95.81	20.43	20.49	10.19	20.29	3,300
			TEREX CORPORATION										
	T55TE001	2566C	14-17 CY, 25 TON, REAR DUMP, ARTIC,6X6	240 HP	D-off		$270,179	32.36	8.61	8.77	4.22	4.64	417
	T55TE002	2766C	16-20 CY, 27.5 TON, REAR DUMP, ARTIC,6X6	240 HP	D-off		$272,254	34.61	8.57	8.65	4.25	4.64	435
	T55TE003	3066C	17-21 CY, 30 TON, REAR DUMP, ARTIC,6X6	276 HP	D-off		$307,468	38.33	9.72	9.85	4.80	5.33	453
	T55TE004	3305B	20-25 CY, 34 TON, REAR DUMP, P/S	324 HP	D-off		$330,105	41.27	10.41	10.53	5.15	6.26	500
	T55TE005	4066C	23-29 CY, 40 TON, REAR DUMP, ARTIC, 6X6	375 HP	D-off		$400,828	48.20	12.77	13.03	6.26	7.25	633
	T55TE009	3340	24-32 CY, 40 TON, REAR DUMP, P/S	456 HP	D-off		$387,353	49.31	12.29	12.47	6.05	8.81	763
	T55TE010	3345	26-34 CY, 45 TON, REAR DUMP, P/S	456 HP	D-off		$409,526	53.16	12.90	13.01	6.39	8.81	800
	T55TE011	3360	37-46 CY, 60 TON, REAR DUMP, P/S	645 HP	D-off		$473,994	65.76	14.88	14.95	7.40	12.46	904

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
T55			*TEREX CORPORATION (continued)*									
	T55TE012	3310E	45-52 CY, 77 TON, REAR DUMP, P/S	680 HP D-off		$590,046	75.77	18.66	18.89	9.21	13.14	1,129
	T55TE013	33100	50-70 CY, 92 TON, REAR DUMP, P/S	1,050 HP D-off		$815,718	108.52	25.75	26.03	12.73	20.29	1,531
			UNIT RIG									
	T55UN002	MT 3000	60-99 CY, 120 TON, REAR DUMP	1,200 HP D-off		$897,641	130.04	27.85	27.68	14.01	23.18	1,560
	T55UN004	MT 3300	64-100 CY, 150 TON, REAR DUMP	1,350 HP D-off		$916,220	136.40	28.41	28.22	14.30	26.08	2,193
	T55UN003	MT 3600B	92-126 CY, 170 TON, REAR DUMP	1,600 HP D-off		$1,114,084	161.80	34.70	34.62	17.39	30.91	1,950
	T55UN005	MT 3700B	101-146 CY, 205 TON, REAR DUMP	1,800 HP D-off		$1,233,265	196.04	37.58	36.66	19.25	34.78	2,879
	T55UN006	MT 4400	156-206 CY, 250 TON, REAR DUMP	2,000 HP D-off		$172,213	118.64	2.98	0.58	2.69	38.64	3,446
			VOLVO CONSTRUCTION EQUIPMENT									
	T55VO002	A-25C	14-18 CY, 25 TON, REAR DUMP, 4X4, ARTIC	255 HP D-off		$258,005	31.23	8.19	8.32	4.03	4.93	348
	T55VO003	A-25C	14-18 CY, 25 TON, REAR DUMP, 6X6, ARTIC	255 HP D-off		$284,680	34.76	8.98	9.09	4.44	4.93	392
	T55VO005	A-30C	17-22 CY, 30 TON, REAR DUMP, 6X6, ARTIC	315 HP D-off		$327,497	37.77	10.49	10.76	5.11	6.09	454
	T55VO004	A-35C	19-25 CY, 35 TON, REAR DUMP, 6X6, ARTIC	358 HP D-off		$404,553	47.03	12.90	13.16	6.32	6.92	567
	T55VO006	A-40	21-29 CY, 40 TON, REAR DUMP, 6X6, ARTIC	398 HP D-off		$452,843	53.71	14.38	14.61	7.07	7.69	665
			HAULPAK DIVISION, KOMATSU AMERICA INTERNATIONAL									
	T55WA001	140M	30 CY, 33-43 TON, MECH REAR DUMP	485 HP D-off		$519,613	60.50	16.59	16.96	8.11	9.37	693
	T55WA002	210M	44 CY, 44-59 TON, MECH REAR DUMP	675 HP D-off		$656,047	80.79	20.81	21.14	10.24	13.04	903
	T55WA006	330M	69 CY, 93-100 TON, MECH REAR DUMP	1,050 HP D-off		$936,690	117.97	29.70	30.15	14.62	20.29	1,498
	T55WA005	510E	100 CY, 116-150 TON, MECH REAR DUMP ELECTRIC DRIVE	1,350 HP D-off		$1,701,153	197.68	54.02	54.91	26.56	26.08	2,251
	T55WA007	630E	135 CY, 190 TON, MECH REAR DUMP ELECTIRC DRIVE	1,800 HP D-off		$1,930,853	230.96	61.34	62.39	30.14	34.78	2,704
	T55WA008	685E	145 CY, 200 TON, MECH REAR DUMP, ELECTRIC DRIVE	2,000 HP D-off		$2,273,071	282.60	71.48	72.01	35.48	38.64	3,087
T56	**TRUCKS,OFF-HIGHWAY/PRIME MOVER TRACTORS & WAGONS**											
	SUBCATEGORY 0.10		**PRIME MOVER TRACTORS**									
			CATERPILLAR, INC.									
	T56CA006	776D	PRIME MOVER TRACTOR, P/S	938 HP D-off		$923,907	135.48	35.30	41.27	14.66	18.12	1,163

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
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		$75,722	17.55	4.33	6.06	1.30	2.31	76
	T57CU002	SS INDUST. VAC	5,500 GAL, 750 CFM, SS, TRLR MTD (W/REAR DOOR & HYDRAULIC DUMP SYSTEM)	76 HP	D-off		$92,477	20.75	5.29	7.40	1.59	2.31	76
	T57CU003	2527	5,500 GAL, 2,100 CFM, TRLR MTD (W/REAR DOOR & HYDRAULIC DUMP SYSTEM)	115 HP	D-off		$136,871	30.81	7.82	10.95	2.35	3.49	115
	T57CU004	3827	5,500 GAL, 3170 CFM, TRLR MTD (W/REAR DOOR & HYDRAULIC DUMP SYSTEM)	177 HP	D-off		$156,510	37.06	8.95	12.52	2.69	5.37	177
	T57CU005	5327	5,500 GAL, 4,550 CFM, TRLR MTD (W/REAR DOOR & HYDRAULIC DUMP SYSTEM)	335 HP	D-off		$168,949	45.83	9.67	13.52	2.91	10.17	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		$161,798	32.97	7.82	10.15	2.74	5.31	320
	T60KI002	KT-60	6,000 GALLON (WITH CAT 621E TRACTOR)	330 HP	D-off		$291,119	60.11	14.04	18.24	4.92	10.02	580
	T60KI003	KT-80	8,000 GALLON (WITH CAT 631E TRACTOR)	450 HP	D-off		$419,025	85.42	20.24	26.31	7.09	13.66	751
	T60KI004	KT-100	10,000 GALLON (WITH CAT 631E TRACTOR)	450 HP	D-off		$427,138	86.65	20.65	26.85	7.22	13.66	811
	T60KI005	KT-100	10,000 GALLON (WITH CAT 651E TRACTOR)	550 HP	D-off		$507,191	103.21	24.63	32.09	8.58	16.70	1,001
	T60KI006	KT-120	12,000 GALLON (WITH CAT 651E TRACTOR)	550 HP	D-off		$522,383	105.53	25.38	33.11	8.83	16.70	1,097
			SOUTHWEST ENGINEERING										
	T60SO001	STT-60	6,000 GALLON (WITH CAT 621E TRACTOR)	330 HP	D-off		$363,259	71.12	17.66	23.05	6.14	10.02	610
	T60SO002	STT-80	8,000 GALLON (WITH CAT 631E TRACTOR)	450 HP	D-off		$503,838	98.55	24.43	31.83	8.52	13.66	812
	T60SO003	STT-100	10,000 GALLON (WITH CAT 631E TRACTOR)	450 HP	D-off		$511,559	99.74	24.83	32.35	8.65	13.66	897
	T60SO004	STT-120	12,000 GALLON (WITH CAT 651E TRACTOR)	550 HP	D-off		$635,791	123.71	30.82	40.14	10.75	16.70	1,149
	T60SO005	STT-140	14,000 GALLON (WITH CAT 651E TRACTOR)	550 HP	D-off		$646,460	125.33	31.36	40.85	10.93	16.70	1,184

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS 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		$343,365	55.75	15.93	20.77	5.55	2.53	192
	T65AS002	H244	HYDRAULIC SINGLE-BOOM DRILL FOR CROSS SECTIONS, 108-345 SF	114 HP	D-off		$518,550	84.77	24.09	31.41	8.38	4.30	289
	T65AS003	H130	HYDRAULIC TWIN-BOOM DRILL FOR CROSS SECTIONS, 130-430 SF	148 HP	D-off		$684,401	111.94	31.74	41.37	11.06	5.58	507
	T65AS004	H177	HYDRAULIC TWIN-BOOM DRILL FOR CROSS SECTIONS, 592-1300 SF	148 HP	D-off		$857,845	138.33	39.81	51.90	13.86	5.58	568
	T65AS005	H185	HYDRAULIC TWIN-BOOM DRILL FOR CROSS SECTIONS, 480-1070 SF	322 HP	D-off		$1,188,457	197.36	55.19	71.97	19.20	12.15	684
	T65AS006	H179	HYDRAULIC FOUR-BOOM DRILL FOR CROSS SECTIONS, 700-1600 SF	268 HP	D-off		$1,375,574	223.30	63.84	83.25	22.22	10.11	957
	T65AS007	H526	HYDRAULIC RAILDRILL, SINGLE-BOOM FOR CROSS SECTIONS, 65-269 SF	67 HP	E		$284,573	48.80	13.24	17.28	4.60	2.52	137
	T65AS008	H528	HYDRAULIC RAILDRILL, TWIN-BOOM FOR CROSS SECTIONS, 86-485 SF	134 HP	E		$488,379	85.32	22.72	29.65	7.89	5.04	198
	SUBCATEGORY 0.20		**TUNNEL BORING MACHINES**										
			ATLAS COPCO										
	T65AS009	JARVA MK8	TUNNEL BORING MACHINE 475 TON THRUST, 8'-10' DIAMETER	697 HP	E		$2,559,535	321.80	101.06	120.87	40.62	22.93	10,472
	T65AS010	JARVA MK12	TUNNEL BORING MACHINE 750 TON THRUST, 11'-14' DIAMETER	1,207 HP	E		$3,738,757	481.69	147.61	176.55	59.33	39.71	16,535
	T65AS011	JARVA MK27	TUNNEL BORING MACHINE 1400 TON THRUST, 20'-28' DIAMETER	2,716 HP	E		$10,603,060	1,322.11	418.62	500.70	168.27	89.36	30,865
			VOEST- ALPINE										
	T65VA001	ATB 35	TUNNEL BORING MACHINE, 150 TON 3.5' DIAMETER (EXCLUDES TRAIN)	1,250 HP	E		$3,570,326	453.63	140.96	168.60	56.66	41.13	3,307
	T65VA002	ATB 45	TUNNEL BORING MACHINE, 225 TON 5' DIAMETER (EXCLUDES TRAIN)	1,275 HP	E		$5,773,647	694.56	227.95	272.64	91.63	41.95	4,960

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
T65			*VOEST- ALPINE (continued)*										
	T65VA003	ATB 80	TUNNEL BORING MACHINE, 500 TON 8' DIAMETER (EXCLUDES TRAIN)	2,885 HP	E		$12,598,019	1,520.91	497.38	594.91	199.93	94.92	11,023
	SUBCATEGORY 0.30		**PRODUCTION DRILLING RIGS**										
			ATLAS COPCO										
	T65AS015		PNEUMATIC PRODUCTION DRILLING, BIG HOLE WAGON (ADD COMPR)	425 CFM	A		$81,736	15.85	4.22	5.76	1.34	0.00	30
	T65AS014		HYDRAULIC DRILL UNIT, SUPER LONG-HOLE DRILL WAGON,	50 HP	E		$268,285	51.50	13.88	18.98	4.39	1.88	73
	T65AS013	SIMBA H260	HYDRAULIC PRODUCTION DRILL RIG, HIGH CAPACITY, WITH DRILLING	60 HP	E		$324,400	61.92	16.79	22.95	5.31	2.26	135
	T65AS012	SIMBA H350	HYDRAULIC PRODUCTION DRILL RIG, HIGH CAPACITY, METHOD MATCHED	120 HP	E		$500,333	97.85	25.88	35.37	8.19	4.51	254
			FLETCHER MINING EQUIPMENT										
	T65FL001	LHD	DRILLING SYSTEM, WITH DRILL UNIT & TENDER CAR, 2000 PSI, 10' REACH	80 HP	E		$327,925	64.30	16.95	23.15	5.37	3.01	400
	SUBCATEGORY 0.40		**ROADHEADERS & CONTINUOUS MINERS**										
			ATLAS COPCO										
	T65AS016	ET 120-L	ROADHEADER, 32 TONS, 213" X 158" CUTTING RANGE	284 HP	E		$1,015,070	155.06	43.20	53.93	16.24	9.34	639
	T65AS017	ET 210-L	ROADHEADER, 57 TONS, 270" X 186" CUTTING RANGE	456 HP	E		$1,561,087	239.36	66.45	82.93	24.98	15.00	1,146
	T65AS018	ET 380-L	ROADHEADER, 99 TONS, 386" X 276" CUTTING RANGE	510 HP	E		$2,297,959	342.31	97.81	122.08	36.77	16.78	1,984
	T65AS019	ET 450-L	ROADHEADER, 121 TONS, 331" X 244"" CUTTING RANGE	644 HP	E		$2,275,000	347.71	96.83	120.86	36.40	21.19	2,425
			ANDERSON TUNNELING										
	T65AT001	RH 25	ROADHEADER, 25.4 TON, 236" X 167" CUTTING RANGE	258 HP	E		$590,161	95.76	25.12	31.35	9.44	8.49	560
	T65AT002	RH 25L	ROADHEADER, 25.4 TON, LOW PROFILE	258 HP	E		$636,843	102.07	27.10	33.83	10.19	8.49	560

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
T65			***ANDERSON TUNNELING (continued)***										
	T65AT003	RH 22	ROADHEADER, 35 TON, 213" X 197" CUTTING RANGE	300 HP	E		$867,393	135.94	36.92	46.08	13.88	9.87	770
	T65AT004	RH 45	ROADHEADER, 50 TON	645 HP	E		$1,094,573	188.17	46.59	58.15	17.51	21.22	1,100
	T65AT005	RH 1/4	ROADHEADER, 66 TON, 216" X 224" CUTTING RANGE	360 HP	E		$1,251,921	191.56	53.29	66.51	20.03	11.84	1,460
	T65AT006	RH90	ROADHEADER, 90 TON, 236" X 197" CUTTING RANGE	486 HP	E		$1,872,976	283.60	79.72	99.50	29.97	15.99	1,980
			DOSCO CORPORATION										
	T65DO005	DIRTHEADER	CONTINUOUS MINER, 18.8 TON,	120 HP	E		$673,335	99.29	28.66	35.77	10.77	3.95	376
	T65DO001	MD1100	ROADHEADER, 36.4 TON, 157" X 173" CUTTING RANGE	210 HP	E		$725,559	111.07	30.88	38.55	11.61	6.91	728
	T65DO002	MK2B	ROADHEADER, 48.5 TON, 170" X 227" CUTTING RANGE	260 HP	E		$967,350	146.86	41.17	51.39	15.48	8.55	970
	T65DO003	MK3	ROADHEADER, 91.5 TON, 236" X 300" CUTTING RANGE	525 HP	E		$1,578,402	246.30	67.17	83.85	25.25	17.27	1,830
	T65DO004	TB 3000	TWIN BOOM MINER, 137.8 TON, 236" X 350" CUTTING RANGE	995 HP	E		$3,152,438	488.17	134.18	167.47	50.44	32.74	2,756
			DRESSER INDUSTRIES										
	T65DR001	102HP	CONTINUOUS MINER, 22 TON, 26" TO 47" CUTTING RANGE	345 HP	E		$526,403	92.70	22.41	27.97	8.42	11.35	440
	T65DR002	1026	CONTINUOUS MINER, 42 TON, 33" TO 101" CUTTING RANGE	440 HP	E		$893,499	148.30	38.03	47.47	14.30	14.48	845
	T65DR003	1036HP	CONTINUOUS MINER, 55 TON, 46" TO 146" CUTTING RANGE	690 HP	E		$947,099	171.08	40.31	50.31	15.15	22.70	1,110
			VOEST- ALPINE										
	T65VA004	AM 50	CONTINUOUS MINER & TUNNEL MACHINE, 24 TON, 157" X 189" CUTTING RANGE	230 HP	E		$787,557	118.49	33.52	41.84	12.60	7.57	480
	T65VA005	AM 65-132D	CONTINUOUS MINER & TUNNEL MACHINE, 32 TON, 170" X 191" CUTTING RANGE	465 HP	E		$1,257,929	194.36	53.55	66.83	20.13	15.30	706
	T65VA006	AM 75-160C	CONTINUOUS MINER & TUNNEL MACHINE, 57 TON, 185" X 201" CUTTING RANGE	465 HP	E		$1,573,632	237.04	66.98	83.60	25.18	15.30	1,146
	T65VA007	AM 100-300/360P	CONTINUOUS MINER & TUNNEL MACHINE, 107 TONS	725 HP	E		$2,310,206	350.19	98.33	122.73	36.96	23.85	2,139

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER		VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.50		**ROCK BOLTING EQUIPMENT**											
			ATLAS COPCO											
	T65AS020	BOLTEC H625L	ROCK BOLTER, 32' VERTICAL REACH	50 HP	E	52 HP	D-off	$595,220	119.28	33.99	47.52	10.23	2.17	162
	T65AS021	BOLTEC H735H	ROCK BOLTER, 34' VERTICAL REACH	50 HP	E	82 HP	D-off	$717,429	143.36	40.98	57.29	12.34	2.33	202
			FLETCHER MINING EQUIPMENT											
	T65FL005	DR	LONGWALL ROOF BOLTER, SINGLE HEAD, 6.6 TONS	40 HP	E			$122,509	26.85	6.99	9.77	2.11	1.50	132
	T65FL003	DDO	DUAL HEAD ROOF BOLTER, LOW PROFILE, 16 TONS	80 HP	E			$191,457	43.44	10.92	15.26	3.29	3.01	320
	T65FL002	DDR	DUAL HEAD ROOF BOLTER, ANGLE DRILLING, 17.5 TONS, 9' REACH	80 HP	E			$202,213	45.50	11.54	16.12	3.48	3.01	350
	T65FL004	HDDR	DUAL HEAD ROOF BOLTER, WALK- THRU CHASSIS, 20 TONS, 18' REACH	80 HP	E			$275,945	59.63	15.73	21.98	4.74	3.01	400
	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			$98,524	18.43	4.91	6.48	1.67	1.66	132
	T65EI001	EJC 60	LOAD HAUL DUMP, 1.5 CY BUCKET, 6000 LB. PAYLOAD	68 HP	D-off			$88,656	17.17	4.42	5.83	1.50	2.25	127
	T65EI008	EJC 80	LOAD HAUL DUMP, 2.25 CY BUCKET, 8,000 LB. PAYLOAD	75 HP	D-off			$151,435	28.43	7.49	9.87	2.56	2.48	240
	T65EI002	EJC 100	LOAD HAUL DUMP, 2.8 CY BUCKET, 10,000 LB. PAYLOAD	100 HP	D-off			$154,262	29.25	7.64	10.06	2.61	3.31	285
	T65EI009	EJC 100	LOAD HAUL DUMP, 2.8 CY BUCKET, 10,000 LB. PAYLOAD	100 HP	D-off			$169,877	32.69	8.42	11.10	2.87	3.31	310
	T65EI003	EJC 130	LOAD HAUL DUMP, 3.5 CY BUCKET, 13,000 LB. PAYLOAD	139 HP	D-off			$171,032	33.74	8.46	11.13	2.89	4.60	350
	T65EI004	EJC 210	LOAD HAUL DUMP, 6.0 CY BUCKET, 21,000 LB. PAYLOAD	231 HP	D-off			$249,252	51.33	12.14	15.85	4.21	7.65	553
	T65EI005	EJC 300	LOAD HAUL DUMP, 8.0 CY BUCKET, 30,000 LB. PAYLOAD	277 HP	D-off			$318,168	65.63	15.31	19.86	5.38	9.17	705
	T65EI006	EJC 400	LOAD HAUL DUMP, 16.0 CY BUCKET, 40,000 LB. PAYLOAD	325 HP	D-off			$489,851	97.02	23.47	30.37	8.28	10.76	1,322

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
T65			*EIMCO (EJC) (continued)*										
	T65EI010	EJC 413	END DUMP TRUCK, 9 CY CAPACITY, 26,000 LB PAYLOAD, 4X4	139 HP	D-off		$160,726	32.24	7.92	10.39	2.72	4.60	325
	T65EI011	EJC 985-T15	END DUMP TRUCK, 10 CY CAPACITY, 30,000 LB PAYLOAD, 4X4	185 HP	D-off		$154,566	33.34	7.60	9.98	2.61	6.13	280
	T65EI012	EJC 430	END DUMP TRUCK ,18 CY CAPACITY, 60,000 LB PAYLOAD, 4X4	277 HP	D-off		$244,832	53.42	11.77	15.27	4.14	9.17	530
	T65EI013	EJC 450	END DUMP TRUCK, 26.5 CY CAPACITY 50 TON PAYLOAD, 4X4	450 HP	D-off		$465,629	96.09	22.81	29.88	7.87	14.90	930
			ATLAS COPCO WAGNER										
	T65WG001	HST-1A	SCOOPTRAM, 1.0 CY BUCKET, 3000 LB CAPACITY	55 HP	D-off		$134,320	23.61	6.73	8.92	2.27	1.82	111
	T65WG002	ST-2D	SCOOPTRAM, 2.5 CY BUCKET, 8000 LB CAPACITY, 4X4	82 HP	D-off		$175,758	31.81	8.71	11.49	2.97	2.72	254
	T65WG003	ST-6C	SCOOPTRAM, 6.0 CY BUCKET, 21,000 LB CAPACITY, 4X4	231 HP	D-off		$324,726	63.19	15.93	20.88	5.49	7.65	523
	T65WG004	ST-8B	SCOOPTRAM, 8.50 CY BUCKET, 30,000 LB CAPACITY, 4X4	277 HP	D-off		$452,852	85.51	22.34	29.36	7.66	9.17	810
	T65WG008	MT-408	REAR DUMP TRUCK, 6.3 CY CAP 17,600 LB PAYLOAD, 4X4	82 HP	D-off		$146,599	26.91	7.32	9.69	2.48	2.72	162
	T65WG009	MT-416	REAR DUMP TRUCK, 12.0 CY CAP 16 TON PAYLOAD, 4X4	185 HP	D-off		$271,990	51.57	13.55	17.89	4.60	6.13	329
	T65WG010	MT-431B	REAR DUMP TRUCK, 22.0 CY CAP 31 TON PAYLOAD, 4X4	375 HP	D-off		$447,450	89.05	22.07	29.00	7.57	12.42	670
	T65WG011	MT-444	REAR DUMP TRUCK, 33.3 CY CAP 44 TON PAYLOAD, 4X4	475 HP	D-off		$516,631	105.42	25.34	33.19	8.74	15.73	783
	SUBCATEGORY 0.62		**LOADING & HAULING EQUIPMENT, ELECTRIC**										
			VOEST- ALPINE										
	T65VA008	AL 30	FACE FEED LOADER, 1.6 CY BUCKET	100 HP	E		$578,624	84.65	25.76	32.16	9.68	3.29	500
	T65VA009	AL 60	FACE FEED LOADER, 2.6 CY BUCKET	215 HP	E		$946,180	136.26	42.87	54.07	15.83	7.07	1,102
			ATLAS COPCO WAGNER										
	T65WG005	EHST-1A	SCOOPTRAM, 1.0 CY BUCKET, 3000 LB CAPACITY	40 HP	E		$152,892	22.68	6.92	8.71	2.56	1.32	139

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
T65			***ATLAS COPCO WAGNER (continued)***										
	T65WG006	EST-2D	SCOOPTRAM, 2.5 CY BUCKET, 8000 LB CAPACITY, 4X4	75 HP	E		$221,472	34.50	9.93	12.46	3.70	2.47	251
	T65WG007	EST-6C	SCOOPTRAM, 6.0 CY BUCKET, 21,000 LB CAPACITY, 4X4	175 HP	E		$417,306	67.99	18.58	23.19	6.98	5.76	497
	SUBCATEGORY 0.63		**LOADING & HAULING EQUIPMENT, AIR-POWERED**										
			ATLAS COPCO										
	T65AS022	LM 37	RAILBOUND OVERHEAD LOADER, 5.0 CF BUCKET (ADD COMPR)	210 CFM	A		$57,938	11.30	3.21	4.35	1.03	0.00	43
	T65AS023	LM 57	RAILBOUND OVERHEAD LOADER, 9.2 CF BUCKET (ADD COMPR)	280 CFM	A		$65,308	12.54	3.61	4.90	1.16	0.00	60
	T65AS024	CAVO 310	WHEELED LOAD-AND-CARRY DUMPER, 4.6 CF BUCKET (ADD COMPR)	280 CFM	A		$92,822	17.85	5.09	6.88	1.65	0.00	70
	T65AS025	CAVO 320	WHEELED OVERHEAD LOADER, 11 CF BUCKET (ADD COMPR)	280 CFM	A		$95,177	18.25	5.22	7.06	1.69	0.00	90
	SUBCATEGORY 0.70		**LOCOMOTIVES**										
			BROOKVILLE MINING										
	T65BR001		15 TON LOCOMOTIVE, CHAIN DRIVE, 24" GAUGE, 375 TON CAP, SCH. #24	139 HP	D-off		$127,179	25.58	6.39	8.48	2.15	4.22	300
	T65BR002		15 TON LOCOMOTIVE, CHAIN DRIVE, 24" GAUGE, 375 TON CAP, SCH. #31	139 HP	D-off		$148,086	28.85	7.43	9.87	2.50	4.22	300
	T65BR003		20 TON LOCOMOTIVE, CHAIN DRIVE, 24" GAUGE, 500 TON CAP, SCH. #24	139 HP	D-off		$145,016	28.38	7.29	9.67	2.45	4.22	400
	T65BR004		20 TON LOCOMOTIVE, CHAIN DRIVE 24" GAUGE, 500 TON CAP, SCH. #31	139 HP	D-off		$171,152	32.48	8.60	11.41	2.89	4.22	400
	T65BR005		25 TON LOCOMOTIVE, PLANETARY DR, 30" GAUGE, 625 TON CAP, SCH. #24	185 HP	D-off		$160,464	32.66	8.06	10.70	2.71	5.62	500
	T65BR006		25 TON LOCOMOTIVE, PLANETARY DR, 30" GAUGE, 625 TON CAP, SCH. #31	185 HP	D-off		$186,600	36.77	9.38	12.44	3.16	5.62	500
	T65BR007		35 TON LOCOMOTIVE, PLANETARY DR, 36" GAUGE, 875 TON CAP, SCH. #24	375 HP	D-off		$212,502	48.50	10.68	14.17	3.59	11.39	700
	T65BR008		35 TON LOCOMOTIVE, PLANETARY DR, 36" GAUGE, 875 TON CAP, SCH. #31	375 HP	D-off		$233,411	51.79	11.73	15.56	3.95	11.39	700
	T65BR009		45 TON LOCOMOTIVE, PLANETARY DR, 42" GAUGE, 1125 TON CAP, SCH. #24	375 HP	D-off		$234,335	51.92	11.77	15.62	3.96	11.39	900

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN	ENGINE HORSEPOWER FUEL TYPE CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	TOTAL HOURLY RATES ($/HR) STANDBY	ADJUSTABLE ELEMENTS DEPR	ADJUSTABLE ELEMENTS FCCM	ADJUSTABLE ELEMENTS FUEL	CWT
T65			***BROOKVILLE MINING (continued)***									
	T65BR010		45 TON LOCOMOTIVE, PLANETARY DR, 42" GAUGE, 1125 TON CAP, SCH. #31	375 HP D-off		$250,015	54.40	12.57	16.67	4.23	11.39	900
	SUBCATEGORY 0.90		**OTHER TUNNELING EQUIPMENT**									
			ANDERSON TUNNELING									
	T65AT007		BRIDGE CONVEYOR	25 HP E		$58,716	13.73	3.36	4.70	1.01	0.82	22
	T65AT008		SLEWING BELT CONVEYOR	16 HP E		$81,876	17.67	4.68	6.55	1.41	0.53	11
			DOSCO CORPORATION									
	T65DO007	24HC	DUST EXTRACTOR, 11,653 CFM CAP, 77 LBS/HR DUST LOADING	50 HP E		$52,616	13.08	3.00	4.21	0.90	1.65	37
	T65DO008	30HC	DUST EXTRACTOR, 21,188 CFM CAP, 187 LBS/HR DUST LOADING	75 HP E		$71,585	18.22	4.10	5.73	1.23	2.47	64
			DRESSER INDUSTRIES									
	T65DR005	94L/506C5	CONTINUOUS HAULAGE SYSTEM, WITH BRIDGE CONVEYOR	52 HP E		$368,804	74.63	21.09	29.50	6.34	1.71	156
	T65DR004	5010	CONTINUOUS HAULAGE SYSTEM, WITH BRIDGE CONVEYOR	60 HP E		$527,029	105.27	30.14	42.16	9.06	1.97	233
			EIMCO (EJC)									
	T65EI014	EJC 955	UTILITY VEHICLE, W/SCISSOR LIFT, 3,000 LB PAYLOAD	40 HP D-off		$68,539	14.96	3.91	5.45	1.18	1.32	60
	T65EI015	EKC 975A	UTILITY VEHICLE, W/FLATBED	90 HP D-off		$80,762	19.61	4.58	6.38	1.39	2.98	100
			FLETCHER MINING EQUIPMENT									
	T65FL006		RAIL RANGER, 15-16 PERSON, RAIL TRACK MOUNTED	55 HP D-off		$65,255	14.93	3.73	5.22	1.12	1.82	150
			TELEDYNE SPECIALTY EQUIPMENT CM PRODUCTS									
	T65TL003		ANFO EXPLOS. LDR VEH, 1,200 LB CAP	84 HP D-off	86 HP D-off	$150,093	33.63	8.50	11.84	2.58	3.33	280
	T65TL005		HEAVY DUTY SCISSOR LIFT, 6,000LB CAP	84 HP D-off	86 HP D-off	$114,628	26.85	6.47	9.00	1.97	3.33	280

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
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		$16,961	9.70	2.02	3.39	0.33	0.00	12
	W25CD002	220	ACCUSTRIP WET ABRASIVE BLASTER 20 CF, 2 NOZ (ADD COMPRESSOR)	1,600 CFM	A		$28,251	16.08	3.38	5.65	0.55	0.00	19
			SIOUX STEAM CLEANER CORPORATION										
	W25SD001	513-5-E	COLD WATER, 1,400 PSI	5 HP	E		$3,275	2.10	0.39	0.66	0.06	0.22	4
	W25SD002	EN-140-H4-1800	HOT WATER, 1,800 PSI	3 HP	E		$7,822	4.43	0.93	1.56	0.15	0.13	5
	W25SD005	514-4-G	COLD WATER, 4 GPM, 2,500 PSI	11 HP	G		$4,407	3.88	0.53	0.88	0.09	1.16	4
	W25SD003	515-5-G	COLD WATER, 3,000 PSI	14 HP	G		$5,048	4.64	0.60	1.01	0.10	1.48	5
	W25SD004	370H	HOT WATER, 3,000 PSI, TRLR MTD	23 HP	G		$9,953	8.45	1.17	1.95	0.19	2.43	19
	SUBCATEGORY 0.20		**HIGH PRESSURE, (>= 5,000 PSI)**										
			NLB CORPORATION										
	W25NL001	NLB 6200	WATER BLASTING PUMPING UNIT, 50 GPM AT 1000-6000 PSI, 50 LF HOSE, ADJUSTABLE DISCHARGE	200 HP	E		$57,944	35.53	4.93	7.73	1.06	8.93	118
	W25NL003	NLB 20156D	WATER BLASTING PUMPING UNIT, 13.2 GPM AT 20,000 PSI, 50 LF HOSE (W/CLEANING LANCE) SKID MOUNTED	150 HP	D-off		$65,482	34.30	5.57	8.73	1.20	6.76	78
	W25NL002	20250	WATER BLASTER, SKID MOUNTED, (ADD TRUCK, FLATBED TRAILER, AND WATER TANKER)	335 HP	D-off		$90,445	55.02	7.68	12.06	1.65	15.10	140
	W25NL004	4400	SPIN JET (ADD 2 WTR BLASTER PUMP PACKS)	40 HP	D-off		$125,124	50.63	10.57	16.57	2.28	1.80	80
			WEATHERFORD U.S., INC.										
	W25WE001	WBE 50	7 GPM AT 10,000 PSI (WITH 2 NOZZLES) TRAILER MOUNTED	50 HP	E		$27,610	14.36	2.30	3.61	0.50	2.23	27

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	ID.NO.	MODEL	REGION 8 EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
W25			***WEATHERFORD U.S., INC. (continued)***										
	W25WE002	WBE 75	10 GPM AT 10,000 PSI (WITH 2 NOZZLES) TRAILER MOUNTED	75 HP	E		$30,598	17.42	2.56	4.01	0.56	3.35	29
	W25WE003	WBD 90	10 GPM AT 10,000 PSI (WITH 2 NOZZLES) TRAILER MOUNTED	91 HP	D-off		$33,461	18.29	2.80	4.39	0.61	4.10	34
	W25WE004	WBE 150	20 GPM AT 10,000 PSI (WITH 2 NOZZLES) TRAILER MOUNTED	150 HP	E		$54,046	32.15	4.55	7.13	0.99	6.70	39
	W25WE005	WBD15O	20 GPM AT 10,000 PSI (WITH 2 NOZZLES) TRAILER MOUNTED	160 HP	D-off		$66,766	35.30	5.63	8.83	1.22	7.21	59
	W25WE006	WBD200	20 GPM AT 16,000 PSI (WITH 2 NOZZLES) TRAILER MOUNTED	240 HP	D-off		$75,100	43.34	6.35	9.96	1.37	10.82	84
	W25WE007	WBD200T	16 GPM AT 20,000 PSI (WITH 2 NOZZLES) TRAILER MOUNTED	230 HP	D-off		$86,568	47.13	7.30	11.45	1.58	10.37	98
	SUBCATEGORY 0.30		**STEAM CLEANERS**										
			ALKOTA CLEANING SYSTEMS, INC.										
	W25AO001	90	90 GPH, 200 PSI	1 HP	E		$2,191	1.75	0.26	0.44	0.04	0.04	4
	W25AO002	120	130 GPH, 325 PSI	1 HP	E		$2,678	2.26	0.32	0.54	0.05	0.04	4
	W25AO003	181	180 GPH, 250 PSI	2 HP	E		$3,961	3.03	0.48	0.79	0.08	0.09	6
	W25AO004	240	240 GPH, 250 PSI	2 HP	E		$3,831	3.22	0.47	0.77	0.08	0.09	6
	W25AO005	301T	300 GPH, 100 PSI	4 HP	E		$8,134	6.18	0.97	1.63	0.16	0.18	10
	W25AO006	246	STEAM GENERATOR, 100 PSI	1 HP	E		$5,247	3.65	0.63	1.05	0.10	0.04	7
	SUBCATEGORY 0.40		**CO2 BLASTERS**										
			COLD JET										
	W25CJ001	65-100	CO2 BLASTER 600 LBS/HR SINGLE HOSE DELIVERY (ADD COMPR)	20 HP	E		$137,871	37.49	9.31	13.79	2.42	0.66	38
	W25CJ002	65-150	CO2 BLASTER 1200 LBS/HR SINGLE HOSE DELIVERY (ADD COMPR)	24 HP	E		$196,770	53.27	13.30	19.68	3.46	0.79	47
	W25CJ003	65-200	CO2 BLASTER 1200 LBS/HR DUAL HOSE DELIVERY (ADD COMPR)	24 HP	E		$222,331	60.02	15.03	22.23	3.91	0.79	47

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
W30	**WATER TANKS**												
	SUBCATEGORY 0.10		**PORTABLE WITH WHEELS**										
			MCMASTER										
	W30MG099		WATER TANK, PORTABLE, 500 GAL., POLYETHYLENE (WITH 14' UTILITY TRAILER)				$4,239	0.62	0.20	0.26	0.07	0.00	15
			SOUTHWEST ENGINEERING										
	W30SO001	EWT-8C	8,000 GAL., 10" DISCHG PIPE, MOBILE	8 HP	G		$41,896	6.79	2.08	2.73	0.71	0.58	130
	W30SO002	EWT-10C	10,000 GAL., 10" DISCHG PIPE, MOBILE	8 HP	G		$50,047	7.95	2.48	3.27	0.85	0.58	170
	W30SO003	EWT-12C	12,000 GAL., 10" DISCHG PIPE, MOBILE	8 HP	G		$54,462	8.58	2.71	3.57	0.92	0.58	185
	SUBCATEGORY 0.20		**SKID MOUNTED**										
			SOUTHWEST ENGINEERING										
	W30SO004	WST-8	8,000 GAL. STAND-TOWER TANK, 10"PIPE				$26,896	3.58	1.35	1.79	0.45	0.00	107
	W30SO005	WST-10	10,000 GAL. STAND-TOWER TANK, 10"PIPE				$30,043	4.00	1.51	2.00	0.51	0.00	122
	W30SO006	WST-12	12,000 GAL. STAND-TOWER TANK,1 0"PIPE				$34,662	4.62	1.75	2.31	0.59	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		$1,800	1.65	0.11	0.16	0.03	0.98	3
	W35LC002		225 AMP, STICK & WIRE FEED, TRLR MTD	20 HP	G		$4,166	3.18	0.26	0.35	0.08	1.78	10
	W35LC003	RANGER 9	250 AMP, STICK & WIRE FEED, TRLR MTD	18 HP	G		$5,098	3.14	0.30	0.43	0.09	1.60	13
	W35LC004	RANGER 300D	300 AMP, STICK & WIRE FEED, TRLR MTD	26 HP	G		$9,439	5.00	0.58	0.81	0.18	2.31	16
	W35LC005	COMMANDER 40	400 AMP, STICK & WIRE FEED, TRLR MTD	44 HP	D-off		$11,885	4.69	0.73	1.02	0.22	1.66	24
	W35LC006	COMMANDER 50	500 AMP, STICK & WIRE FEED, TRLR MTD	44 HP	D-off		$12,080	4.73	0.74	1.04	0.22	1.66	24

Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CAT	REGION 8 ID.NO.	MODEL	EQUIPMENT DESCRIPTION	ENGINE HORSEPOWER FUEL TYPE MAIN		CARRIER	VALUE (TEV) 1996 ($)	TOTAL HOURLY RATES ($/HR) AVERAGE	STANDBY	ADJUSTABLE ELEMENTS DEPR	FCCM	FUEL	CWT
	SUBCATEGORY 0.20		ELECTRIC DRIVEN										
			LINCOLN ELECTRIC COMPANY										
	W35LC018	SP-170T	170 AMP, WIRE FEEDER	5 HP	E		$748	0.27	0.06	0.09	0.01	0.07	1
	W35LC010	LINCWELD 225/12	225 AMP, STICK WELDER, AC/DC	15 HP	E		$435	0.41	0.04	0.05	0.01	0.21	1
	W35LC019	IDEAL ARC SP-22	250 AMP, WIRE FEEDER	11 HP	E		$2,120	0.76	0.18	0.27	0.04	0.16	3
	W35LC011	IDEAL ARC R3R-3	300 AMP, STICK WELDER	27 HP	E		$2,641	1.20	0.22	0.33	0.05	0.38	4
	W35LC012	IDEAL ARC R3R-4	400 AMP, STICK WELDER	35 HP	E		$2,666	1.36	0.22	0.33	0.05	0.49	5
	W35LC013	IDEAL ARC R3R-5	500 AMP, STICK WELDER	41 HP	E		$2,657	1.49	0.22	0.33	0.05	0.58	5
	W35LC020	PROCUT 80	85 AMP, PLASMA CUTTING TORCH	26 HP	E		$3,221	1.32	0.26	0.40	0.06	0.37	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.

See Chapter 2, Section II, Operating Conditions, paragraph 2-4.

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
A10																	
	A10AR001	0.46	0.06	0.00	0.00	0.00	0.00	0.41	0.93								
	A10AR002	1.15	0.16	0.00	0.00	0.00	0.00	1.04	2.35								
	A10ET001	6.68	1.45	3.54	1.00	0.12	0.02	7.55	20.36								
	A10ET002	6.98	1.51	4.43	1.25	0.12	0.02	7.88	22.19								
	A10ET003	7.21	1.56	3.54	1.00	0.12	0.02	8.15	21.60								
	A10ET004	7.32	1.59	4.43	1.25	0.12	0.02	8.27	23.00								
	A10RS001	6.37	1.39	3.64	1.03	0.19	0.03	7.20	19.85								
	A10RS002	7.64	1.66	3.64	1.03	0.19	0.03	8.63	22.82								
A15																	
	A15MG099	0.04	0.01	0.18	0.10	0.00	0.00	0.03	0.36								
	A15SR001	7.79	1.86	10.76	3.54	0.11	0.02	8.75	32.83								
	A15SR002	9.55	2.28	15.79	5.20	0.15	0.02	10.73	43.72								
	A15SR003	1.02	0.24	1.76	0.58	0.00	0.00	1.15	4.75								
	A15SR004	1.19	0.28	2.80	0.92	0.00	0.00	1.34	6.53								
	A15SR005	1.54	0.36	2.87	0.95	0.00	0.00	1.73	7.45								
	A15XX001	0.96	0.23	4.16	1.57	0.03	0.00	1.08	8.03								
	A15XX002	1.02	0.25	1.26	0.42	0.03	0.00	1.15	4.13								
	A15XX004	1.08	0.26	1.76	0.58	0.03	0.00	1.22	4.93								
	A15XX006	1.43	0.34	2.05	0.68	0.03	0.00	1.61	6.14								
	A15XX008	1.52	0.36	2.87	0.95	0.03	0.00	1.71	7.44								
	A15XX009	2.29	0.54	2.87	0.95	0.03	0.00	2.57	9.25								
	A15XX010	2.89	0.70	4.13	1.36	0.15	0.02	3.27	12.52								
	A15XX011	3.66	0.89	6.24	2.06	0.15	0.02	4.13	17.15								
	A15XX012	5.25	1.26	8.07	2.66	0.15	0.02	5.91	23.32								
	A15XX013	5.70	1.37	8.61	2.84	0.15	0.02	6.42	25.11								
	A15XX014	6.25	1.50	11.30	3.72	0.15	0.02	7.03	29.97								
	A15XX015	9.58	2.29	12.56	4.14	0.15	0.02	10.76	39.50								
	A15XX016	10.37	2.48	15.61	5.14	0.19	0.03	11.65	45.47								
	A15XX017	10.44	2.50	15.61	5.14	0.19	0.03	11.74	45.65								
	A15XX018	9.39	2.25	18.84	6.21	0.19	0.03	10.55	47.46								
A20																	
	A20CK001	0.33	0.03	0.00	0.00	0.00	0.00	0.69	1.05								
	A20CK002	0.18	0.02	0.00	0.00	0.00	0.00	0.38	0.58								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
A20	***cont.***																
	A20CK003	0.36	0.04	0.00	0.00	0.00	0.00	0.75	1.15								
	A20CK004	0.39	0.04	0.00	0.00	0.00	0.00	0.82	1.25								
	A20CK005	0.43	0.04	0.00	0.00	0.00	0.00	0.90	1.37								
	A20CK006	0.26	0.02	0.00	0.00	0.00	0.00	0.54	0.82								
	A20CK007	0.24	0.02	0.00	0.00	0.00	0.00	0.50	0.76								
	A20CK008	0.26	0.03	0.00	0.00	0.00	0.00	0.55	0.84								
	A20CK009	0.29	0.03	0.00	0.00	0.00	0.00	0.61	0.93								
	A20CK010	0.29	0.03	0.00	0.00	0.00	0.00	0.61	0.93								
	A20CM009	3.99	0.39	0.00	0.30	0.00	0.00	8.39	13.07								
	A20CM010	0.32	0.03	0.00	0.06	0.00	0.00	0.67	1.08								
	A20CM011	0.61	0.06	0.00	0.06	0.00	0.00	1.28	2.01								
	A20CM012	0.71	0.07	0.00	0.13	0.00	0.00	1.49	2.40								
	A20CM013	2.64	0.27	0.00	0.28	0.10	0.02	5.60	8.91								
	A20CM014	3.03	0.33	0.00	0.41	0.21	0.03	6.49	10.50								
	A20CM015	3.91	0.41	0.00	0.50	0.19	0.03	8.33	13.37								
	A20CM016	2.82	0.28	0.00	0.30	0.00	0.00	5.92	9.32								
	A20CM017	0.12	0.01	0.00	0.00	0.00	0.00	0.24	0.37								
	A20CM018	0.16	0.01	0.00	0.00	0.00	0.00	0.32	0.49								
	A20CM019	0.20	0.02	0.00	0.00	0.00	0.00	0.41	0.63								
	A20WC002	0.27	0.03	0.05	0.17	0.00	0.00	0.56	1.08								
	A20WC004	0.72	0.07	0.29	0.11	0.00	0.00	1.52	2.71								
	A20XX001	0.03	0.00	0.00	0.00	0.00	0.00	0.06	0.09								
	A20XX002	0.11	0.01	0.00	0.00	0.00	0.00	0.20	0.32								
	A20XX003	0.14	0.01	0.00	0.00	0.00	0.00	0.26	0.41								
	A20XX004	0.17	0.01	0.00	0.00	0.00	0.00	0.32	0.50								
	A20XX005	0.21	0.02	0.00	0.00	0.00	0.00	0.39	0.62								
	A20XX006	0.30	0.02	0.00	0.00	0.00	0.00	0.57	0.89								
	A20XX007	0.37	0.03	0.00	0.00	0.00	0.00	0.69	1.09								
	A20XX008	0.57	0.04	0.00	0.00	0.00	0.00	1.06	1.67								
	A20XX009	0.06	0.00	0.00	0.00	0.00	0.00	0.12	0.18								
	A20XX010	0.08	0.01	0.00	0.00	0.00	0.00	0.14	0.23								
	A20XX011	0.10	0.01	0.00	0.00	0.00	0.00	0.20	0.31								
	A20XX012	0.12	0.01	0.00	0.00	0.00	0.00	0.22	0.35								
	A20XX013	0.14	0.01	0.00	0.00	0.00	0.00	0.26	0.41								
	A20XX014	0.23	0.02	0.00	0.00	0.00	0.00	0.43	0.68								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
A20	***cont.***																
	A20XX015	0.26	0.02	0.00	0.00	0.00	0.00	0.48	0.76								
	A20XX016	0.36	0.03	0.00	0.00	0.00	0.00	0.68	1.07								
A25																	
	A25RS002	4.37	0.77	0.00	1.50	0.00	0.00	5.58	12.22								
	A25RS004	4.74	0.83	0.00	0.00	0.00	0.00	6.06	11.63								
	A25RS006	4.82	0.85	0.00	0.00	0.00	0.00	6.15	11.82								
	A25RS008	5.52	0.97	0.00	1.80	0.00	0.00	7.05	15.34								
A30																	
	A30BG002	19.06	4.26	3.49	2.65	1.54	0.26	28.86	60.12								
	A30BG003	20.53	4.58	4.71	3.05	1.69	0.28	31.08	65.92								
	A30BG004	18.93	4.07	3.25	2.57	0.00	0.00	28.44	57.26								
	A30BG005	22.47	4.83	4.71	3.05	0.00	0.00	33.76	68.82								
	A30BG006	24.12	5.18	6.07	3.50	0.00	0.00	36.24	75.11								
	A30BG007	15.01	3.28	3.25	2.57	0.57	0.09	22.63	47.40								
	A30BK010	9.00	1.98	1.43	0.47	0.51	0.08	13.58	27.05								
	A30BK011	13.28	2.92	3.19	1.05	0.70	0.12	20.05	41.31								
	A30BK012	15.20	3.35	3.28	1.08	0.88	0.15	22.96	46.90								
	A30BK013	16.04	3.53	4.40	1.45	0.88	0.15	24.22	50.67								
	A30BK014	18.10	4.00	5.13	1.69	1.12	0.19	27.35	57.58								
	A30BK015	18.48	4.08	5.59	1.84	1.12	0.19	27.91	59.21								
	A30BK016	16.72	3.59	3.04	1.00	0.00	0.00	25.12	49.47								
	A30BK017	20.13	4.33	5.13	1.69	0.00	0.00	30.25	61.53								
	A30BK018	20.48	4.40	5.59	1.84	0.00	0.00	30.77	63.08								
	A30BK019	12.89	2.81	3.19	1.05	0.41	0.07	15.54	35.96								
	A30BK020	16.59	3.61	5.25	1.73	0.46	0.08	20.00	47.72								
	A30CA001	4.01	0.86	1.06	0.35	0.00	0.00	6.02	12.30								
	A30CA002	17.41	3.83	3.25	1.07	0.85	0.14	26.28	52.83								
	A30CA004	22.52	4.84	4.71	1.55	0.00	0.00	33.84	67.46								
	A30CA006	20.54	4.52	4.71	1.55	1.05	0.17	31.00	63.54								
	A30CA007	7.85	1.71	3.25	1.07	0.29	0.05	9.47	23.69								
	A30CA010	24.74	5.41	13.05	4.30	0.87	0.14	29.85	78.36								
	A30XX001	7.75	2.01	3.14	0.87	0.45	0.07	6.43	20.72								
	A30XX002	9.08	2.30	3.14	0.87	0.00	0.00	7.50	22.89								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
A35																	
	A35AE001	0.54	0.08	0.00	1.95	0.05	0.01	0.65	3.28								
	A35AE002	0.58	0.09	0.00	2.65	0.05	0.01	0.71	4.09								
	A35AE003	0.67	0.10	0.00	3.00	0.03	0.00	0.82	4.62								
	A35AE004	0.80	0.11	0.00	3.90	0.03	0.00	0.97	5.81								
	A35AE005	0.93	0.13	0.00	6.10	0.06	0.01	1.13	8.36								
A40																	
	A40CA004	28.33	6.09	13.66	4.50	0.00	0.00	42.57	95.15								
	A40CA007	37.42	8.04	15.94	5.25	0.00	0.00	56.22	122.87								
	A40CA011	24.76	5.40	13.05	4.30	0.75	0.12	37.31	85.69								
A45																	
	A45AE001	0.78	0.14	0.00	7.10	0.05	0.01	1.06	9.14								
	A45AE002	1.54	0.28	0.00	14.25	0.05	0.01	2.09	18.22								
	A45AE003	1.82	0.33	0.00	16.85	0.05	0.01	2.47	21.53								
	A45SE002	1.93	0.34	1.44	1.79	0.03	0.00	2.62	8.15								
	A45SE003	2.63	0.47	2.16	2.81	0.06	0.01	3.57	11.71								
	A45SE004	1.48	0.27	1.15	0.93	0.09	0.01	2.02	5.95								
	A45XX001	3.89	0.70	0.70	0.23	0.12	0.02	5.29	10.95								
B10																	
	B10CC001	1.90	0.37	0.31	2.16	0.00	0.00	2.68	7.42								
	B10CC002	2.55	0.50	0.46	2.74	0.00	0.00	3.61	9.86								
	B10CC003	3.29	0.64	0.76	3.90	0.00	0.00	4.65	13.24								
	B10CC004	3.91	0.77	0.92	4.49	0.00	0.00	5.53	15.62								
	B10CC005	4.46	0.87	1.53	5.31	0.00	0.00	6.30	18.47								
	B10CC007	2.58	0.52	1.30	3.49	0.13	0.02	3.66	11.70								
	B10CC008	5.56	1.15	11.76	7.93	0.92	0.15	7.94	35.41								
	B10CC009	7.41	1.56	14.43	9.18	1.54	0.26	10.60	44.98								
	B10CC010	8.14	1.70	14.43	9.43	1.54	0.26	11.63	47.13								
	B10CC011	1.85	0.36	0.61	1.32	0.00	0.00	2.61	6.75								
	B10CC012	1.62	0.32	1.30	1.24	0.00	0.00	2.29	6.77								
	B10CC013	1.96	0.38	1.30	1.29	0.00	0.00	2.77	7.70								
	B10CC014	0.57	0.11	0.15	0.58	0.00	0.00	0.81	2.22								
	B10CL001	10.44	2.08	1.83	4.97	0.39	0.06	14.80	34.57								
	B10CL002	11.02	2.19	1.83	5.47	0.39	0.06	15.62	36.58								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
B10	***cont.***																
	B10CL003	9.35	1.85	1.37	4.23	0.20	0.03	13.25	30.28								
	B10CL004	14.55	2.88	2.60	5.38	0.39	0.06	20.61	46.47								
	B10CL005	15.79	3.13	3.67	6.44	0.39	0.06	22.37	51.85								
	B10CL006	16.16	3.20	3.67	6.44	0.39	0.06	22.90	52.82								
	B10CL007	15.86	3.14	9.01	9.77	0.39	0.06	22.48	60.71								
	B10CL008	15.76	3.12	10.54	11.08	0.39	0.06	22.33	63.28								
	B10CL009	9.55	1.88	1.22	3.65	0.17	0.03	13.52	30.02								
	B10CL015	8.57	1.68	0.92	2.99	0.00	0.00	12.12	26.28								
	B10CL016	13.98	2.73	1.22	3.65	0.00	0.00	19.77	41.35								
	B10CL017	14.50	2.84	1.22	3.65	0.00	0.00	20.51	42.72								
	B10CL018	17.08	3.34	2.29	4.71	0.00	0.00	24.15	51.57								
	B10CL019	17.54	3.43	9.16	9.85	0.00	0.00	24.81	64.79								
	B10CL020	9.56	1.87	1.22	3.65	0.00	0.00	13.52	29.82								
	B10CL021	4.60	0.92	1.07	3.07	0.16	0.03	6.53	16.38								
	B10CL024	13.95	2.73	6.11	6.74	0.00	0.00	19.73	49.26								
	B10CL025	15.71	3.09	6.11	6.74	0.16	0.03	22.23	54.07								
	B10CL026	1.34	0.26	0.00	0.00	0.00	0.00	1.90	3.50								
	B10CL027	1.55	0.30	0.00	0.00	0.00	0.00	2.20	4.05								
	B10CL028	1.78	0.35	0.00	0.00	0.00	0.00	2.51	4.64								
	B10CL029	1.96	0.38	0.00	0.00	0.00	0.00	2.78	5.12								
	B10CL030	2.38	0.47	0.00	0.00	0.00	0.00	3.36	6.21								
	B10CL031	3.43	0.67	0.00	0.00	0.00	0.00	4.86	8.96								
	B10CL032	0.31	0.06	0.31	0.66	0.00	0.00	0.43	1.77								
	B10CL033	0.38	0.07	0.46	0.84	0.00	0.00	0.54	2.29								
	B10CL034	0.41	0.08	0.61	1.02	0.00	0.00	0.58	2.70								
	B10CL035	0.61	0.12	0.76	1.20	0.00	0.00	0.86	3.55								
	B10CL036	0.26	0.05	0.24	0.53	0.00	0.00	0.36	1.44								
	B10CL038	0.32	0.06	0.46	0.79	0.00	0.00	0.45	2.08								
	B10CL040	0.36	0.07	0.61	0.97	0.00	0.00	0.50	2.51								
	B10CL041	0.41	0.08	0.61	1.02	0.00	0.00	0.57	2.69								
	B10CL042	0.24	0.05	0.15	0.43	0.00	0.00	0.33	1.20								
	B10CL043	0.28	0.05	0.24	0.58	0.00	0.00	0.40	1.55								
	B10CL045	0.32	0.06	0.31	0.71	0.00	0.00	0.45	1.85								
	B10CL046	0.35	0.07	0.31	0.76	0.00	0.00	0.50	1.99								
	B10IE001	2.78	0.55	0.09	1.55	0.05	0.01	3.94	8.97								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
B10	***cont.***																
	B10IE002	3.45	0.67	0.15	1.58	0.00	0.00	4.88	10.73								
	B10IE003	0.47	0.09	0.09	0.55	0.00	0.00	0.67	1.87								
	B10KL001	7.34	1.47	3.34	1.10	0.34	0.06	10.41	24.06								
	B10KL004	7.49	1.50	3.34	1.10	0.37	0.06	10.63	24.49								
	B10KL005	7.78	1.56	3.34	1.10	0.41	0.07	11.05	25.31								
	B10RC001	8.88	1.76	1.60	5.60	0.30	0.05	12.59	30.78								
	B10RC002	8.60	1.71	0.76	2.90	0.30	0.05	12.19	26.51								
	B10RC003	11.11	2.21	1.68	5.89	0.44	0.07	15.75	37.15								
	B10RC004	8.45	1.68	0.92	3.49	0.27	0.04	11.97	26.82								
	B10RC005	11.03	2.20	1.31	5.69	0.44	0.07	15.65	36.39								
	B10RC006	10.51	2.09	1.39	5.24	0.44	0.07	14.90	34.64								
	B10RC007	8.41	1.67	0.69	2.87	0.30	0.05	11.92	25.91								
	B10RC008	8.75	1.74	0.69	2.87	0.30	0.05	12.41	26.81								
	B10RC009	8.24	1.63	1.12	3.59	0.27	0.04	11.67	26.56								
	B10RC010	9.12	1.81	1.12	3.59	0.27	0.04	12.93	28.88								
	B10RC011	9.55	1.91	1.47	5.28	0.44	0.07	13.54	32.26								
	B10RC012	17.48	3.42	0.46	4.99	0.00	0.00	24.72	51.07								
	B10RC013	21.98	4.30	0.46	5.24	0.00	0.00	31.09	63.07								
	B10RC014	17.59	3.44	0.46	4.99	0.00	0.00	24.88	51.36								
	B10RC015	22.10	4.32	0.46	5.24	0.00	0.00	31.25	63.37								
	B10RC016	18.54	3.67	2.29	6.71	0.51	0.08	26.26	58.06								
	B10RC017	30.29	5.99	0.92	4.99	0.75	0.12	42.90	85.96								
	B10RC023	18.34	3.62	1.22	5.65	0.36	0.06	25.98	55.23								
	B10RC024	20.53	4.07	1.83	6.97	0.57	0.09	29.10	63.16								
	B10RC025	21.90	4.34	2.44	8.29	0.57	0.09	31.03	68.66								
	B10RC026	54.47	10.75	3.67	9.94	1.02	0.17	77.13	157.15								
	B10SN001	5.37	1.05	0.00	1.50	0.00	0.00	7.60	15.52								
	B10SN002	5.62	1.10	0.00	1.60	0.00	0.00	7.95	16.27								
	B10SN003	5.95	1.16	0.00	1.65	0.00	0.00	8.42	17.18								
	B10SN004	6.06	1.19	0.00	1.65	0.00	0.00	8.57	17.47								
	B10SN005	6.49	1.27	0.00	1.70	0.00	0.00	9.18	18.64								
	B10SN006	6.55	1.28	0.00	1.70	0.00	0.00	9.27	18.80								
	B10SN007	7.06	1.38	0.00	1.75	0.00	0.00	9.98	20.17								
	B10SN008	7.07	1.38	0.00	1.75	0.00	0.00	9.99	20.19								
	B10SN009	7.70	1.51	0.00	1.85	0.00	0.00	10.89	21.95								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
B10	***cont.***																
	B10SN010	2.87	0.56	0.00	1.30	0.00	0.00	4.06	8.79								
	B10SN011	3.02	0.59	0.00	1.30	0.00	0.00	4.27	9.18								
	B10SN012	3.13	0.61	0.00	1.30	0.00	0.00	4.43	9.47								
	B10SN013	3.42	0.67	0.00	1.35	0.00	0.00	4.83	10.27								
	B10SN014	4.70	0.92	0.00	1.50	0.00	0.00	6.65	13.77								
	B10SN015	3.59	0.70	0.00	1.40	0.00	0.00	5.08	10.77								
	B10SN016	5.00	0.98	0.00	1.50	0.00	0.00	7.08	14.56								
	B10SN017	3.95	0.77	0.00	1.40	0.00	0.00	5.59	11.71								
	B10SN018	5.33	1.04	0.00	1.55	0.00	0.00	7.54	15.46								
	B10SN019	2.09	0.41	0.00	1.20	0.00	0.00	2.96	6.66								
	B10SN020	2.20	0.43	0.00	1.20	0.00	0.00	3.11	6.94								
	B10SN021	2.31	0.45	0.00	1.20	0.00	0.00	3.27	7.23								
	B10SN022	2.60	0.51	0.00	1.25	0.00	0.00	3.68	8.04								
	B10SN023	3.89	0.76	0.00	1.40	0.00	0.00	5.50	11.55								
	B10SN024	2.77	0.54	0.00	1.30	0.00	0.00	3.92	8.53								
	B10SN025	4.19	0.82	0.00	1.40	0.00	0.00	5.93	12.34								
	B10SN026	3.14	0.61	0.00	1.30	0.00	0.00	4.44	9.49								
	B10SN027	4.52	0.88	0.00	1.50	0.00	0.00	6.39	13.29								
	B10SN028	5.80	1.14	0.00	1.60	0.00	0.00	8.21	16.75								
	B10SN029	6.56	1.28	0.00	1.70	0.00	0.00	9.27	18.81								
	B10SN030	7.32	1.43	0.00	1.80	0.00	0.00	10.35	20.90								
	B10SN031	3.41	0.67	0.31	1.46	0.00	0.00	4.82	10.67								
	B10SN032	3.50	0.68	0.31	1.46	0.00	0.00	4.95	10.90								
	B10SN033	6.88	1.35	0.00	1.50	0.00	0.00	9.73	19.46								
	B10SN034	8.19	1.60	0.00	1.50	0.00	0.00	11.57	22.86								
	B10SN035	8.31	1.63	0.00	1.65	0.00	0.00	11.75	23.34								
	B10VI001	9.23	1.84	0.61	1.82	0.41	0.07	13.09	27.07								
	B10VI003	6.94	1.38	0.46	1.24	0.27	0.04	9.83	20.16								
B15																	
	B15MB001	0.49	0.09	0.00	0.10	0.00	0.00	0.57	1.25								
	B15MB002	0.70	0.12	0.00	0.14	0.00	0.00	0.83	1.79								
	B15MB003	0.82	0.15	0.00	0.24	0.04	0.01	0.97	2.23								
	B15MB004	0.95	0.17	1.30	0.37	0.04	0.01	1.12	3.96								
	B15RS001	3.38	0.60	2.31	0.76	0.09	0.01	3.99	11.14								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
B15	***cont.***																
	B15RS002	3.56	0.63	0.00	0.50	0.00	0.00	4.18	8.87								
	B15RS003	3.91	0.69	0.00	0.60	0.00	0.00	4.59	9.79								
	B15RS004	4.53	0.80	0.00	0.70	0.00	0.00	5.33	11.36								
B20																	
	B20MQ001	1.18	0.21	2.53	0.95	0.03	0.00	1.56	6.46								
	B20MQ002	1.93	0.34	2.43	0.80	0.03	0.00	2.55	8.08								
	B20MQ003	2.05	0.37	9.74	3.67	0.06	0.01	2.72	18.62								
	B20MQ004	3.43	0.62	5.31	1.75	0.11	0.02	4.55	15.79								
	B20MQ005	29.10	5.15	18.22	7.50	0.30	0.05	38.50	98.82								
	B20VE001	1.91	0.34	2.46	0.81	0.03	0.00	2.53	8.08								
	B20VE002	2.30	0.41	3.10	1.02	0.06	0.01	3.04	9.94								
	B20VE003	0.88	0.16	1.59	0.60	0.06	0.01	1.17	4.47								
	B20VE004	1.88	0.34	1.52	0.50	0.05	0.01	2.49	6.79								
	B20VE005	2.47	0.44	2.46	0.81	0.06	0.01	3.27	9.52								
B25																	
	B25ES001	1.10	0.22	0.00	0.00	0.00	0.00	1.04	2.36	1.37	0.22	0.00	0.00	0.00	0.00	1.49	3.08
	B25ES002	1.18	0.23	0.00	0.00	0.00	0.00	1.12	2.53	1.48	0.24	0.00	0.00	0.00	0.00	1.61	3.33
	B25ES003	1.34	0.26	0.00	0.00	0.00	0.00	1.27	2.87	1.67	0.27	0.00	0.00	0.00	0.00	1.81	3.75
	B25ES004	1.45	0.28	0.00	0.00	0.00	0.00	1.37	3.10	1.81	0.29	0.00	0.00	0.00	0.00	1.97	4.07
	B25ES005	1.51	0.30	0.00	0.00	0.00	0.00	1.44	3.25	1.89	0.30	0.00	0.00	0.00	0.00	2.05	4.24
	B25ES006	2.05	0.40	0.00	0.00	0.00	0.00	1.95	4.40	2.56	0.41	0.00	0.00	0.00	0.00	2.78	5.75
	B25ES007	2.21	0.43	0.00	0.00	0.00	0.00	2.10	4.74	2.76	0.44	0.00	0.00	0.00	0.00	3.00	6.20
	B25ES008	2.37	0.46	0.00	0.00	0.00	0.00	2.25	5.08	2.96	0.48	0.00	0.00	0.00	0.00	3.22	6.66
	B25ES009	3.08	0.60	0.00	0.00	0.00	0.00	2.93	6.61	3.86	0.62	0.00	0.00	0.00	0.00	4.19	8.67
	B25ES010	3.17	0.62	0.00	0.00	0.00	0.00	3.01	6.80	3.97	0.64	0.00	0.00	0.00	0.00	4.31	8.92
	B25ES011	3.48	0.68	0.00	0.00	0.00	0.00	3.31	7.47	4.35	0.70	0.00	0.00	0.00	0.00	4.73	9.78
	B25ES012	3.79	0.74	0.00	0.00	0.00	0.00	3.60	8.13	4.74	0.76	0.00	0.00	0.00	0.00	5.14	10.64
	B25ES013	4.11	0.80	0.00	0.00	0.00	0.00	3.90	8.81	5.13	0.82	0.00	0.00	0.00	0.00	5.57	11.52
	B25ES014	4.47	0.87	0.00	0.00	0.00	0.00	4.24	9.58	5.59	0.90	0.00	0.00	0.00	0.00	6.07	12.56
	B25ES015	4.82	0.94	0.00	0.00	0.00	0.00	4.58	10.34	6.03	0.97	0.00	0.00	0.00	0.00	6.54	13.54
	B25ES016	5.00	0.98	0.00	0.00	0.00	0.00	4.74	10.72	6.25	1.00	0.00	0.00	0.00	0.00	6.78	14.03
	B25ES017	5.35	1.05	0.00	0.00	0.00	0.00	5.08	11.48	6.69	1.07	0.00	0.00	0.00	0.00	7.26	15.02
	B25ES018	5.54	1.08	0.00	0.00	0.00	0.00	5.26	11.88	6.92	1.11	0.00	0.00	0.00	0.00	7.52	15.55
	B25ES019	5.82	1.14	0.00	0.00	0.00	0.00	5.53	12.49	7.28	1.17	0.00	0.00	0.00	0.00	7.90	16.35

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
B25	***cont.***																
	B25ES020	1.05	0.21	0.00	0.00	0.00	0.00	1.00	2.26	1.32	0.21	0.00	0.00	0.00	0.00	1.43	2.96
	B25ES021	1.12	0.22	0.00	0.00	0.00	0.00	1.07	2.41	1.41	0.23	0.00	0.00	0.00	0.00	1.53	3.17
	B25ES022	1.54	0.30	0.00	0.00	0.00	0.00	1.47	3.31	1.93	0.31	0.00	0.00	0.00	0.00	2.10	4.34
	B25ES023	1.56	0.31	0.00	0.00	0.00	0.00	1.48	3.35	1.95	0.31	0.00	0.00	0.00	0.00	2.12	4.38
	B25ES024	1.65	0.32	0.00	0.00	0.00	0.00	1.57	3.54	2.07	0.33	0.00	0.00	0.00	0.00	2.25	4.65
	B25ES025	2.26	0.44	0.00	0.00	0.00	0.00	2.15	4.85	2.82	0.45	0.00	0.00	0.00	0.00	3.07	6.34
	B25ES026	2.36	0.46	0.00	0.00	0.00	0.00	2.24	5.06	2.94	0.47	0.00	0.00	0.00	0.00	3.20	6.61
	B25ES027	2.44	0.48	0.00	0.00	0.00	0.00	2.32	5.24	3.05	0.49	0.00	0.00	0.00	0.00	3.31	6.85
	B25ES028	3.10	0.61	0.00	0.00	0.00	0.00	2.94	6.65	3.87	0.62	0.00	0.00	0.00	0.00	4.21	8.70
	B25ES029	3.39	0.66	0.00	0.00	0.00	0.00	3.22	7.27	4.24	0.68	0.00	0.00	0.00	0.00	4.60	9.52
	B25ES030	3.86	0.76	0.00	0.00	0.00	0.00	3.67	8.29	4.83	0.78	0.00	0.00	0.00	0.00	5.24	10.85
	B25ES031	4.15	0.81	0.00	0.00	0.00	0.00	3.94	8.90	5.19	0.83	0.00	0.00	0.00	0.00	5.64	11.66
	B25ES032	4.46	0.87	0.00	0.00	0.00	0.00	4.24	9.57	5.58	0.90	0.00	0.00	0.00	0.00	6.06	12.54
	B25ES033	4.89	0.96	0.00	0.00	0.00	0.00	4.64	10.49	6.11	0.98	0.00	0.00	0.00	0.00	6.63	13.72
	B25ES034	5.15	1.01	0.00	0.00	0.00	0.00	4.89	11.05	6.44	1.03	0.00	0.00	0.00	0.00	7.00	14.47
	B25ES035	5.41	1.06	0.00	0.00	0.00	0.00	5.13	11.60	6.76	1.09	0.00	0.00	0.00	0.00	7.34	15.19
	B25ES036	5.69	1.11	0.00	0.00	0.00	0.00	5.40	12.20	7.12	1.14	0.00	0.00	0.00	0.00	7.73	15.99
	B25ES037	5.93	1.16	0.00	0.00	0.00	0.00	5.63	12.72	7.42	1.19	0.00	0.00	0.00	0.00	8.05	16.66
	B25ES038	6.17	1.21	0.00	0.00	0.00	0.00	5.86	13.24	7.71	1.24	0.00	0.00	0.00	0.00	8.37	17.32
	B25ES039	1.27	0.25	0.00	0.00	0.00	0.00	1.20	2.72	1.58	0.25	0.00	0.00	0.00	0.00	1.72	3.55
	B25ES040	1.75	0.34	0.00	0.00	0.00	0.00	1.66	3.75	2.18	0.35	0.00	0.00	0.00	0.00	2.37	4.90
	B25ES041	1.78	0.35	0.00	0.00	0.00	0.00	1.69	3.82	2.23	0.36	0.00	0.00	0.00	0.00	2.42	5.01
	B25ES042	1.96	0.38	0.00	0.00	0.00	0.00	1.86	4.20	2.45	0.39	0.00	0.00	0.00	0.00	2.66	5.50
	B25ES043	2.57	0.50	0.00	0.00	0.00	0.00	2.44	5.51	3.21	0.52	0.00	0.00	0.00	0.00	3.49	7.22
	B25ES044	2.78	0.54	0.00	0.00	0.00	0.00	2.64	5.96	3.48	0.56	0.00	0.00	0.00	0.00	3.78	7.82
	B25ES045	3.13	0.61	0.00	0.00	0.00	0.00	2.97	6.71	3.91	0.63	0.00	0.00	0.00	0.00	4.25	8.79
	B25ES046	3.60	0.70	0.00	0.00	0.00	0.00	3.42	7.72	4.50	0.72	0.00	0.00	0.00	0.00	4.89	10.11
	B25ES047	3.91	0.77	0.00	0.00	0.00	0.00	3.71	8.39	4.89	0.79	0.00	0.00	0.00	0.00	5.31	10.99
	B25ES048	4.31	0.84	0.00	0.00	0.00	0.00	4.09	9.24	5.39	0.87	0.00	0.00	0.00	0.00	5.85	12.11
	B25ES049	4.57	0.89	0.00	0.00	0.00	0.00	4.34	9.80	5.71	0.92	0.00	0.00	0.00	0.00	6.20	12.83
	B25ES050	4.75	0.93	0.00	0.00	0.00	0.00	4.51	10.19	5.94	0.95	0.00	0.00	0.00	0.00	6.44	13.33
	B25ES051	5.13	1.00	0.00	0.00	0.00	0.00	4.87	11.00	6.41	1.03	0.00	0.00	0.00	0.00	6.97	14.41
	B25ES052	5.44	1.06	0.00	0.00	0.00	0.00	5.16	11.66	6.79	1.09	0.00	0.00	0.00	0.00	7.38	15.26
	B25ES053	5.71	1.12	0.00	0.00	0.00	0.00	5.43	12.26	7.14	1.15	0.00	0.00	0.00	0.00	7.76	16.05
	B25ES054	6.08	1.19	0.00	0.00	0.00	0.00	5.77	13.04	7.60	1.22	0.00	0.00	0.00	0.00	8.25	17.07

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
B25	***cont.***																
	B25ES055	6.29	1.23	0.00	0.00	0.00	0.00	5.98	13.50	7.87	1.26	0.00	0.00	0.00	0.00	8.54	17.67
	B25ES056	6.53	1.28	0.00	0.00	0.00	0.00	6.20	14.01	8.16	1.31	0.00	0.00	0.00	0.00	8.86	18.33
	B25GE001	6.95	1.36	0.00	0.00	0.00	0.00	6.60	14.91	8.68	1.39	0.00	0.00	0.00	0.00	9.43	19.50
	B25GE002	7.41	1.45	0.00	0.00	0.00	0.00	7.03	15.89	9.26	1.49	0.00	0.00	0.00	0.00	10.05	20.80
	B25GE003	7.93	1.55	0.00	0.00	0.00	0.00	7.53	17.01	9.92	1.59	0.00	0.00	0.00	0.00	10.77	22.28
	B25GE004	8.80	1.72	0.00	0.00	0.00	0.00	8.36	18.88	11.00	1.77	0.00	0.00	0.00	0.00	11.95	24.72
	B25GE005	9.67	1.89	0.00	0.00	0.00	0.00	9.18	20.74	12.09	1.94	0.00	0.00	0.00	0.00	13.12	27.15
	B25GE006	10.46	2.05	0.00	0.00	0.00	0.00	9.93	22.44	13.07	2.10	0.00	0.00	0.00	0.00	14.19	29.36
	B25GE007	11.32	2.21	0.00	0.00	0.00	0.00	10.75	24.28	14.15	2.27	0.00	0.00	0.00	0.00	15.36	31.78
	B25GE008	12.17	2.38	0.00	0.00	0.00	0.00	11.56	26.11	15.22	2.44	0.00	0.00	0.00	0.00	16.52	34.18
	B25GE009	13.04	2.55	0.00	0.00	0.00	0.00	12.38	27.97	16.30	2.62	0.00	0.00	0.00	0.00	17.70	36.62
	B25GE010	13.90	2.72	0.00	0.00	0.00	0.00	13.20	29.82	17.38	2.79	0.00	0.00	0.00	0.00	18.87	39.04
	B25GE011	14.35	2.81	0.00	0.00	0.00	0.00	13.62	30.78	17.93	2.88	0.00	0.00	0.00	0.00	19.47	40.28
	B25PL001	1.85	0.36	0.00	0.00	0.00	0.00	1.76	3.97	2.31	0.37	0.00	0.00	0.00	0.00	2.51	5.19
	B25PL002	1.94	0.38	0.00	0.00	0.00	0.00	1.84	4.16	2.43	0.39	0.00	0.00	0.00	0.00	2.64	5.46
	B25PL003	2.61	0.51	0.00	0.00	0.00	0.00	2.48	5.60	3.27	0.52	0.00	0.00	0.00	0.00	3.55	7.34
	B25PL004	3.06	0.60	0.00	0.00	0.00	0.00	2.90	6.56	3.82	0.61	0.00	0.00	0.00	0.00	4.15	8.58
	B25PL005	3.43	0.67	0.00	0.00	0.00	0.00	3.25	7.35	4.28	0.69	0.00	0.00	0.00	0.00	4.65	9.62
	B25PL006	1.40	0.27	0.00	0.00	0.00	0.00	1.33	3.00	1.76	0.28	0.00	0.00	0.00	0.00	1.91	3.95
	B25PL007	1.77	0.35	0.00	0.00	0.00	0.00	1.68	3.80	2.22	0.36	0.00	0.00	0.00	0.00	2.41	4.99
	B25PL008	1.91	0.37	0.00	0.00	0.00	0.00	1.81	4.09	2.39	0.38	0.00	0.00	0.00	0.00	2.59	5.36
	B25PL009	2.05	0.40	0.00	0.00	0.00	0.00	1.95	4.40	2.56	0.41	0.00	0.00	0.00	0.00	2.78	5.75
	B25PL010	2.27	0.44	0.00	0.00	0.00	0.00	2.15	4.86	2.83	0.45	0.00	0.00	0.00	0.00	3.08	6.36
	B25PL011	2.80	0.55	0.00	0.00	0.00	0.00	2.66	6.01	3.50	0.56	0.00	0.00	0.00	0.00	3.80	7.86
	B25PL012	1.54	0.30	0.00	0.00	0.00	0.00	1.46	3.30	1.92	0.31	0.00	0.00	0.00	0.00	2.09	4.32
	B25PL013	1.87	0.36	0.00	0.00	0.00	0.00	1.77	4.00	2.33	0.37	0.00	0.00	0.00	0.00	2.53	5.23
	B25PL014	2.09	0.41	0.00	0.00	0.00	0.00	1.98	4.48	2.61	0.42	0.00	0.00	0.00	0.00	2.83	5.86
	B25PL015	2.18	0.43	0.00	0.00	0.00	0.00	2.07	4.68	2.72	0.44	0.00	0.00	0.00	0.00	2.95	6.11
	B25PL016	2.48	0.49	0.00	0.00	0.00	0.00	2.36	5.33	3.10	0.50	0.00	0.00	0.00	0.00	3.37	6.97
	B25PL017	3.03	0.59	0.00	0.00	0.00	0.00	2.88	6.50	3.79	0.61	0.00	0.00	0.00	0.00	4.11	8.51
B30																	
	B30CR001	0.29	0.06	0.00	0.00	0.00	0.00	0.33	0.68								
	B30CR002	0.31	0.07	0.00	0.00	0.00	0.00	0.36	0.74								
	B30CR003	0.33	0.07	0.00	0.00	0.00	0.00	0.39	0.79								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
B30	***cont.***																
	B30CR004	0.35	0.07	0.00	0.00	0.00	0.00	0.40	0.82								
	B30CR005	0.41	0.09	0.00	0.00	0.00	0.00	0.47	0.97								
	B30CR006	0.48	0.10	0.00	0.00	0.00	0.00	0.55	1.13								
	B30CR009	0.43	0.09	0.00	0.00	0.00	0.00	0.49	1.01								
	B30CR010	0.50	0.11	0.00	0.00	0.00	0.00	0.58	1.19								
	B30CR011	0.59	0.13	0.00	0.00	0.00	0.00	0.68	1.40								
	B30CR012	0.68	0.15	0.00	0.00	0.00	0.00	0.79	1.62								
	B30GB001	0.20	0.04	0.00	0.00	0.00	0.00	0.20	0.44								
	B30GB002	0.26	0.06	0.00	0.00	0.00	0.00	0.26	0.58								
	B30GB003	0.32	0.07	0.00	0.00	0.00	0.00	0.33	0.72								
	B30GB004	0.47	0.10	0.00	0.00	0.00	0.00	0.48	1.05								
	B30GB005	0.57	0.12	0.00	0.00	0.00	0.00	0.57	1.26								
	B30GB006	1.03	0.22	0.00	0.00	0.00	0.00	1.11	2.36								
	B30GB007	1.11	0.24	0.00	0.00	0.00	0.00	1.20	2.55								
	B30GB008	1.24	0.27	0.00	0.00	0.00	0.00	1.34	2.85								
	B30GB009	1.41	0.30	0.00	0.00	0.00	0.00	1.53	3.24								
	B30GB010	1.75	0.38	0.00	0.00	0.00	0.00	1.90	4.03								
	B30GB011	0.81	0.17	0.00	0.00	0.00	0.00	0.94	1.92								
	B30GB012	0.84	0.18	0.00	0.00	0.00	0.00	0.97	1.99								
	B30GB013	0.87	0.19	0.00	0.00	0.00	0.00	1.01	2.07								
	B30GB014	1.16	0.25	0.00	0.00	0.00	0.00	1.33	2.74								
	B30GB015	1.20	0.26	0.00	0.00	0.00	0.00	1.38	2.84								
	B30GB016	1.73	0.37	0.00	0.00	0.00	0.00	1.99	4.09								
	B30GB017	2.07	0.45	0.00	0.00	0.00	0.00	2.39	4.91								
B35																	
	B35HE001	0.50	0.08	0.00	0.00	0.00	0.00	0.47	1.05	0.61	0.08	0.00	0.00	0.00	0.00	0.67	1.36
	B35HE002	0.59	0.10	0.00	0.00	0.00	0.00	0.56	1.25	0.73	0.10	0.00	0.00	0.00	0.00	0.79	1.62
	B35HE003	0.78	0.13	0.00	0.00	0.00	0.00	0.74	1.65	0.97	0.13	0.00	0.00	0.00	0.00	1.05	2.15
	B35HE004	0.93	0.15	0.00	0.00	0.00	0.00	0.88	1.96	1.14	0.15	0.00	0.00	0.00	0.00	1.24	2.53
	B35HE005	1.09	0.17	0.00	0.00	0.00	0.00	1.03	2.29	1.34	0.18	0.00	0.00	0.00	0.00	1.45	2.97
	B35HE006	1.34	0.22	0.00	0.00	0.00	0.00	1.27	2.83	1.65	0.22	0.00	0.00	0.00	0.00	1.79	3.66
	B35HE007	1.48	0.24	0.00	0.00	0.00	0.00	1.41	3.13	1.83	0.25	0.00	0.00	0.00	0.00	1.98	4.06
	B35HE008	1.81	0.29	0.00	0.00	0.00	0.00	1.72	3.82	2.23	0.30	0.00	0.00	0.00	0.00	2.42	4.95
	B35HE009	1.92	0.31	0.00	0.00	0.00	0.00	1.82	4.05	2.37	0.32	0.00	0.00	0.00	0.00	2.57	5.26

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
B35	***cont.***																
	B35HE010	2.32	0.37	0.00	0.00	0.00	0.00	2.20	4.89	2.86	0.38	0.00	0.00	0.00	0.00	3.10	6.34
	B35HE011	2.52	0.40	0.00	0.00	0.00	0.00	2.39	5.31	3.10	0.42	0.00	0.00	0.00	0.00	3.36	6.88
	B35HE012	2.75	0.44	0.00	0.00	0.00	0.00	2.61	5.80	3.38	0.45	0.00	0.00	0.00	0.00	3.68	7.51
	B35HE013	3.05	0.49	0.00	0.00	0.00	0.00	2.90	6.44	3.75	0.50	0.00	0.00	0.00	0.00	4.08	8.33
	B35HE014	3.52	0.57	0.00	0.00	0.00	0.00	3.34	7.43	4.33	0.58	0.00	0.00	0.00	0.00	4.71	9.62
	B35HE015	3.83	0.61	0.00	0.00	0.00	0.00	3.63	8.07	4.71	0.63	0.00	0.00	0.00	0.00	5.11	10.45
	B35HE016	4.70	0.75	0.00	0.00	0.00	0.00	4.46	9.91	5.79	0.78	0.00	0.00	0.00	0.00	6.28	12.85
	B35HE017	5.40	0.87	0.00	0.00	0.00	0.00	5.13	11.40	6.65	0.89	0.00	0.00	0.00	0.00	7.22	14.76
	B35HE018	0.51	0.09	0.00	0.00	0.00	0.00	0.49	1.09	0.66	0.09	0.00	0.00	0.00	0.00	0.72	1.47
	B35HE019	0.58	0.10	0.00	0.00	0.00	0.00	0.56	1.24	0.75	0.11	0.00	0.00	0.00	0.00	0.82	1.68
	B35HE020	0.80	0.14	0.00	0.00	0.00	0.00	0.76	1.70	1.02	0.15	0.00	0.00	0.00	0.00	1.11	2.28
	B35HE021	0.95	0.17	0.00	0.00	0.00	0.00	0.90	2.02	1.22	0.17	0.00	0.00	0.00	0.00	1.33	2.72
	B35HE022	1.11	0.20	0.00	0.00	0.00	0.00	1.06	2.37	1.43	0.20	0.00	0.00	0.00	0.00	1.55	3.18
	B35HE023	1.31	0.23	0.00	0.00	0.00	0.00	1.24	2.78	1.68	0.24	0.00	0.00	0.00	0.00	1.83	3.75
	B35HE024	1.45	0.26	0.00	0.00	0.00	0.00	1.37	3.08	1.86	0.27	0.00	0.00	0.00	0.00	2.02	4.15
	B35HE025	1.74	0.31	0.00	0.00	0.00	0.00	1.65	3.70	2.23	0.32	0.00	0.00	0.00	0.00	2.43	4.98
	B35HE026	1.86	0.33	0.00	0.00	0.00	0.00	1.76	3.95	2.39	0.34	0.00	0.00	0.00	0.00	2.59	5.32
	B35HE027	2.38	0.42	0.00	0.00	0.00	0.00	2.26	5.06	3.06	0.44	0.00	0.00	0.00	0.00	3.32	6.82
	B35HE028	2.46	0.44	0.00	0.00	0.00	0.00	2.34	5.24	3.16	0.45	0.00	0.00	0.00	0.00	3.43	7.04
	B35HE029	2.81	0.50	0.00	0.00	0.00	0.00	2.67	5.98	3.61	0.52	0.00	0.00	0.00	0.00	3.92	8.05
	B35HE030	3.09	0.55	0.00	0.00	0.00	0.00	2.94	6.58	3.98	0.57	0.00	0.00	0.00	0.00	4.32	8.87
	B35HE031	3.70	0.66	0.00	0.00	0.00	0.00	3.52	7.88	4.76	0.68	0.00	0.00	0.00	0.00	5.17	10.61
	B35HE032	3.94	0.70	0.00	0.00	0.00	0.00	3.74	8.38	5.07	0.72	0.00	0.00	0.00	0.00	5.51	11.30
	B35HE033	5.09	0.91	0.00	0.00	0.00	0.00	4.83	10.83	6.54	0.93	0.00	0.00	0.00	0.00	7.10	14.57
	B35HE034	5.67	1.01	0.00	0.00	0.00	0.00	5.38	12.06	7.29	1.04	0.00	0.00	0.00	0.00	7.91	16.24
	B35HE035	1.73	0.34	0.00	0.00	0.00	0.00	1.64	3.71	2.16	0.35	0.00	0.00	0.00	0.00	2.35	4.86
	B35HE036	1.80	0.35	0.00	0.00	0.00	0.00	1.71	3.86	2.25	0.36	0.00	0.00	0.00	0.00	2.45	5.06
	B35HE037	2.03	0.40	0.00	0.00	0.00	0.00	1.93	4.36	2.54	0.41	0.00	0.00	0.00	0.00	2.75	5.70
	B35HE038	2.75	0.54	0.00	0.00	0.00	0.00	2.61	5.90	3.44	0.55	0.00	0.00	0.00	0.00	3.74	7.73
	B35HE039	3.08	0.60	0.00	0.00	0.00	0.00	2.92	6.60	3.85	0.62	0.00	0.00	0.00	0.00	4.18	8.65
	B35HE040	3.18	0.62	0.00	0.00	0.00	0.00	3.02	6.82	3.97	0.64	0.00	0.00	0.00	0.00	4.32	8.93
	B35HE041	3.41	0.67	0.00	0.00	0.00	0.00	3.23	7.31	4.26	0.68	0.00	0.00	0.00	0.00	4.62	9.56
	B35HE042	4.31	0.84	0.00	0.00	0.00	0.00	4.09	9.24	5.39	0.87	0.00	0.00	0.00	0.00	5.85	12.11
	B35HE043	4.44	0.87	0.00	0.00	0.00	0.00	4.21	9.52	5.54	0.89	0.00	0.00	0.00	0.00	6.02	12.45
	B35HE044	5.64	1.10	0.00	0.00	0.00	0.00	5.36	12.10	7.05	1.13	0.00	0.00	0.00	0.00	7.66	15.84

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
B35	***cont.***																
	B35HE045	5.78	1.13	0.00	0.00	0.00	0.00	5.49	12.40	7.23	1.16	0.00	0.00	0.00	0.00	7.85	16.24
	B35HE046	6.85	1.34	0.00	0.00	0.00	0.00	6.50	14.69	8.56	1.38	0.00	0.00	0.00	0.00	9.30	19.24
	B35HE047	7.28	1.42	0.00	0.00	0.00	0.00	6.91	15.61	9.09	1.46	0.00	0.00	0.00	0.00	9.88	20.43
	B35SA001	1.43	0.23	0.00	0.00	0.00	0.00	1.36	3.02	1.76	0.24	0.00	0.00	0.00	0.00	1.91	3.91
	B35SA002	1.73	0.28	0.00	0.00	0.00	0.00	1.64	3.65	2.13	0.29	0.00	0.00	0.00	0.00	2.31	4.73
	B35SA003	2.19	0.35	0.00	0.00	0.00	0.00	2.08	4.62	2.70	0.36	0.00	0.00	0.00	0.00	2.93	5.99
	B35SA004	2.96	0.48	0.00	0.00	0.00	0.00	2.81	6.25	3.64	0.49	0.00	0.00	0.00	0.00	3.95	8.08
	B35SA005	3.60	0.58	0.00	0.00	0.00	0.00	3.42	7.60	4.43	0.60	0.00	0.00	0.00	0.00	4.81	9.84
	B35SA006	4.24	0.68	0.00	0.00	0.00	0.00	4.02	8.94	5.21	0.70	0.00	0.00	0.00	0.00	5.66	11.57
	B35SA007	4.88	0.78	0.00	0.00	0.00	0.00	4.63	10.29	6.00	0.81	0.00	0.00	0.00	0.00	6.52	13.33
	B35SA008	5.32	0.86	0.00	0.00	0.00	0.00	5.05	11.23	6.55	0.88	0.00	0.00	0.00	0.00	7.11	14.54
	B35SA009	7.30	1.17	0.00	0.00	0.00	0.00	6.93	15.40	8.98	1.21	0.00	0.00	0.00	0.00	9.75	19.94
	B35SA010	9.05	1.45	0.00	0.00	0.00	0.00	8.59	19.09	11.14	1.50	0.00	0.00	0.00	0.00	12.10	24.74
C05																	
	C05OL001	0.06	0.01	0.23	0.09	0.00	0.00	0.20	0.59								
	C05OL002	0.09	0.01	0.47	0.18	0.00	0.00	0.32	1.07								
	C05OL003	0.11	0.01	0.52	0.20	0.00	0.00	0.39	1.23								
	C05OL004	0.12	0.01	0.57	0.21	0.00	0.00	0.42	1.33								
C10																	
	C10BO001	0.46	0.05	0.30	0.08	0.00	0.00	0.82	1.71								
	C10BO002	0.50	0.06	0.30	0.08	0.00	0.00	0.89	1.83								
	C10BO003	0.32	0.04	0.40	0.11	0.00	0.00	0.57	1.44								
	C10BO004	0.36	0.04	0.40	0.11	0.00	0.00	0.64	1.55								
	C10BO005	0.51	0.06	0.60	0.17	0.00	0.00	0.90	2.24								
	C10BO006	0.95	0.11	0.60	0.17	0.00	0.00	1.67	3.50								
	C10BO007	1.26	0.15	0.21	0.06	0.00	0.00	2.21	3.89								
	C10BO008	1.85	0.22	0.34	0.10	0.00	0.00	3.26	5.77								
	C10BO009	0.84	0.10	0.40	0.11	0.00	0.00	1.48	2.93								
	C10BO010	1.99	0.23	0.17	0.05	0.00	0.00	3.51	5.95								
	C10BO011	2.41	0.28	0.34	0.10	0.00	0.00	4.24	7.37								
	C10BO013	5.17	0.61	0.68	0.19	0.00	0.00	9.11	15.76								
	C10SI001	0.46	0.05	0.30	0.08	0.00	0.00	0.81	1.70								
	C10SI002	0.50	0.06	0.30	0.08	0.00	0.00	0.87	1.81								
	C10SI003	0.50	0.06	0.30	0.08	0.00	0.00	0.88	1.82								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C10	***cont.***																
	C10SI004	0.53	0.06	0.40	0.11	0.00	0.00	0.92	2.02								
	C10SI005	0.53	0.06	0.40	0.11	0.00	0.00	0.94	2.04								
	C10SI006	1.87	0.22	0.21	0.06	0.00	0.00	3.29	5.65								
	C10SI007	2.12	0.25	0.21	0.06	0.00	0.00	3.74	6.38								
	C10SI008	2.22	0.26	0.25	0.07	0.00	0.00	3.92	6.72								
	C10SI009	2.79	0.33	0.34	0.10	0.00	0.00	4.91	8.47								
	C10SI010	0.33	0.04	0.20	0.06	0.00	0.00	0.58	1.21								
	C10SI011	0.34	0.04	0.20	0.06	0.00	0.00	0.59	1.23								
	C10SI012	0.34	0.04	0.20	0.06	0.00	0.00	0.60	1.24								
	C10SI013	0.36	0.04	0.30	0.08	0.00	0.00	0.64	1.42								
	C10SI014	0.43	0.05	0.30	0.08	0.00	0.00	0.75	1.61								
	C10SI015	0.46	0.05	0.50	0.14	0.00	0.00	0.82	1.97								
	C10WC001	0.43	0.05	0.40	0.11	0.00	0.00	0.77	1.76								
	C10WC003	0.67	0.08	0.40	0.11	0.00	0.00	1.18	2.44								
	C10WC006	0.44	0.05	0.70	0.20	0.00	0.00	0.78	2.17								
	C10WC007	1.50	0.18	0.70	0.20	0.00	0.00	2.65	5.23								
	C10WC008	2.03	0.24	0.25	0.07	0.00	0.00	3.58	6.17								
	C10WC010	1.70	0.20	1.10	0.31	0.00	0.00	2.99	6.30								
	C10WC012	2.75	0.32	0.34	0.10	0.00	0.00	4.84	8.35								
	C10WC014	0.51	0.06	0.40	0.11	0.00	0.00	0.89	1.97								
	C10WC015	3.52	0.41	0.59	0.17	0.00	0.00	6.19	10.88								
	C10WC016	5.78	0.68	0.85	0.24	0.00	0.00	10.18	17.73								
	C10WC017	5.70	0.67	0.85	0.24	0.00	0.00	10.04	17.50								
	C10WC018	0.29	0.03	0.23	0.06	0.00	0.00	0.51	1.12								
C15																	
	C15BL001	0.89	0.12	0.00	0.50	0.00	0.00	1.17	2.68								
	C15BL003	3.63	0.50	0.00	1.50	0.00	0.00	4.80	10.43								
	C15BL004	4.52	0.62	0.00	1.75	0.00	0.00	5.97	12.86								
	C15BL005	6.31	0.86	0.00	2.00	0.00	0.00	8.34	17.51								
C20																	
	C20AE001	0.48	0.06	0.39	0.15	0.00	0.00	0.50	1.58								
	C20AI006	1.28	0.16	1.01	0.38	0.07	0.01	1.34	4.25								
	C20AI008	0.95	0.12	0.62	0.23	0.03	0.00	0.98	2.93								
	C20AI009	1.90	0.23	1.24	0.47	0.07	0.01	1.96	5.88								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C25																	
	C25AJ001	1.06	0.12	0.62	0.23	0.00	0.00	1.24	3.27								
	C25AJ002	6.09	1.30	1.59	0.79	0.00	0.00	6.13	15.90								
	C25AJ003	0.90	0.11	0.70	0.26	0.00	0.00	1.06	3.03								
	C25AJ004	1.32	0.16	0.70	0.26	0.00	0.00	1.55	3.99								
	C25AJ005	1.56	0.18	0.85	0.32	0.00	0.00	1.84	4.75								
	C25AJ006	1.87	0.22	0.85	0.32	0.00	0.00	2.20	5.46								
	C25AJ007	1.99	0.23	0.85	0.32	0.00	0.00	2.34	5.73								
	C25AJ008	0.85	0.18	0.40	0.20	0.00	0.00	0.86	2.49								
	C25AJ009	0.91	0.19	0.40	0.20	0.00	0.00	0.92	2.62								
	C25AJ010	1.00	0.21	0.40	0.20	0.00	0.00	1.00	2.81								
	C25AJ011	1.08	0.23	0.40	0.20	0.00	0.00	1.09	3.00								
	C25AJ012	1.16	0.25	0.40	0.20	0.00	0.00	1.17	3.18								
	C25AJ013	1.24	0.26	0.40	0.20	0.00	0.00	1.25	3.35								
	C25AJ014	1.17	0.14	1.55	0.58	0.00	0.00	1.37	4.81								
	C25AJ015	1.55	0.18	1.55	0.58	0.00	0.00	1.82	5.68								
	C25AJ016	1.63	0.19	1.55	0.58	0.00	0.00	1.92	5.87								
	C25AJ017	1.70	0.20	1.94	0.73	0.00	0.00	2.00	6.57								
	C25AJ018	1.86	0.22	1.94	0.73	0.00	0.00	2.19	6.94								
	C25AJ019	2.61	0.31	2.18	0.82	0.00	0.00	3.07	8.99								
	C25AJ020	3.57	0.42	1.94	0.73	0.00	0.00	4.19	10.85								
	C25ST001	0.32	0.04	0.70	0.26	0.00	0.00	0.38	1.70								
	C25ST002	0.35	0.04	0.70	0.26	0.00	0.00	0.41	1.76								
	C25ST003	0.32	0.04	0.43	0.16	0.00	0.00	0.37	1.32								
	C25SV001	18.39	3.94	1.73	0.77	0.20	0.03	18.56	43.62								
	C25SV002	15.01	3.22	1.73	0.77	0.16	0.03	15.14	36.06								
	C25SV003	9.95	2.13	0.80	0.36	0.13	0.02	10.05	23.44								
	C25SV004	8.18	1.77	0.79	0.35	0.19	0.03	8.27	19.58								
	C25WC001	0.36	0.04	0.39	0.15	0.00	0.00	0.42	1.36								
	C25WC002	0.46	0.05	0.62	0.23	0.00	0.00	0.54	1.90								
C35																	
	C35AL002	3.13	0.46	0.93	0.31	0.15	0.02	3.92	8.92								
	C35AL003	1.91	0.28	0.00	0.19	0.07	0.01	2.39	4.85								
	C35AL005	3.49	0.50	0.65	0.21	0.03	0.00	4.35	9.23								
	C35AL007	1.99	0.28	0.00	0.25	0.00	0.00	2.48	5.00								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C35	***cont.***																
	C35AL008	2.35	0.34	0.00	0.30	0.00	0.00	2.92	5.91								
	C35AL009	2.50	0.36	0.00	0.40	0.00	0.00	3.11	6.37								
	C35AL012	2.49	0.36	0.35	0.50	0.04	0.01	3.11	6.86								
	C35AL013	1.14	0.17	0.00	0.40	0.07	0.01	1.43	3.22								
	C35AL014	3.99	0.57	0.93	0.31	0.03	0.00	4.97	10.80								
	C35AV001	8.05	1.15	0.35	2.19	0.00	0.00	10.02	21.76								
	C35AV002	9.45	1.35	0.35	2.69	0.00	0.00	11.76	25.60								
	C35AV006	7.45	1.07	0.70	2.37	0.09	0.01	9.27	20.96								
	C35AV007	1.41	0.20	0.11	2.06	0.00	0.00	1.75	5.53								
	C35AV008	2.10	0.30	0.11	2.06	0.00	0.00	2.61	7.18								
	C35AV009	2.55	0.36	0.21	2.11	0.00	0.00	3.17	8.40								
C40																	
	C40CC001	3.39	0.40	0.33	0.19	0.00	0.00	3.98	8.29								
	C40MU001	0.39	0.05	0.62	0.23	0.00	0.00	0.46	1.75								
	C40MU002	0.83	0.10	1.01	0.38	0.00	0.00	0.98	3.30								
	C40MU003	0.40	0.05	0.62	0.23	0.00	0.00	0.47	1.77								
	C40MU004	0.47	0.05	0.62	0.23	0.00	0.00	0.55	1.92								
	C40MX001	3.58	0.44	0.60	0.20	0.15	0.02	4.24	9.23								
	C40MX002	0.67	0.08	0.00	1.00	0.00	0.00	0.79	2.54								
	C40MX003	6.49	0.78	1.72	0.57	0.15	0.02	7.66	17.39								
	C40MX006	5.89	0.69	0.00	1.75	0.00	0.00	6.93	15.26								
	C40MX007	5.31	0.62	0.00	1.65	0.00	0.00	6.24	13.82								
	C40RC001	19.36	2.27	1.32	2.78	0.00	0.00	22.75	48.48								
	C40RC002	21.76	2.55	1.97	3.41	0.00	0.00	25.56	55.25								
	C40RC003	24.59	2.89	2.63	4.05	0.00	0.00	28.90	63.06								
	C40RC004	26.80	3.15	3.29	5.69	0.00	0.00	31.49	70.42								
	C40RC005	28.30	3.32	3.95	6.32	0.00	0.00	33.25	75.14								
	C40ST001	0.29	0.03	0.03	0.22	0.00	0.00	0.35	0.92								
	C40ST002	0.33	0.04	0.43	0.16	0.00	0.00	0.39	1.35								
	C40ST003	0.44	0.05	0.03	0.27	0.00	0.00	0.51	1.30								
	C40ST004	0.48	0.06	0.62	0.23	0.00	0.00	0.56	1.95								
	C40ST005	0.57	0.07	0.05	0.33	0.00	0.00	0.67	1.69								
	C40ST006	0.58	0.07	0.62	0.23	0.00	0.00	0.69	2.19								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C45																	
	C45CW001	37.26	8.01	8.97	2.96	0.00	0.00	55.98	113.18								
	C45GO004	18.06	3.88	6.64	2.19	0.00	0.00	27.14	57.91								
	C45GO010	8.81	1.89	3.30	1.09	0.00	0.00	13.23	28.32								
	C45GO011	10.98	2.36	6.06	2.00	0.00	0.00	16.49	37.89								
	C45GO012	19.62	4.22	6.06	2.00	0.00	0.00	29.48	61.38								
	C45GO013	7.82	1.68	2.51	0.83	0.00	0.00	11.76	24.60								
	C45GO014	10.50	2.26	3.30	1.09	0.00	0.00	15.77	32.92								
	C45GO015	18.51	3.98	8.25	2.72	0.00	0.00	27.81	61.27								
	C45GO016	24.39	5.24	8.25	2.72	0.00	0.00	36.64	77.24								
	C45GO017	29.48	6.34	8.97	2.96	0.00	0.00	44.29	92.04								
	C45GO018	34.99	7.52	8.97	2.96	0.00	0.00	52.58	107.02								
	C45GO019	32.10	6.90	11.66	3.84	0.00	0.00	48.23	102.73								
	C45GO020	38.04	8.18	11.66	3.84	0.00	0.00	57.16	118.88								
	C45GO024	3.72	0.80	2.66	1.00	0.00	0.00	5.58	13.76								
	C45GO025	4.82	1.04	4.00	1.51	0.00	0.00	7.24	18.61								
	C45GO030	19.25	4.14	11.66	3.84	0.00	0.00	28.93	67.82								
	C45GO031	24.35	5.23	11.66	3.84	0.00	0.00	36.59	81.67								
	C45MJ001	0.55	0.12	1.17	0.44	0.00	0.00	0.83	3.11								
C55																	
	C55MO001	2.64	0.43	2.33	0.88	0.03	0.00	3.65	9.96								
	C55MO002	5.06	0.82	2.42	0.80	0.03	0.00	6.99	16.12								
	C55MO003	5.66	0.91	3.64	1.20	0.03	0.00	7.82	19.26								
	C55MO004	6.85	1.10	3.64	1.20	0.03	0.00	9.46	22.28								
	C55MO007	19.20	3.11	8.86	2.92	0.24	0.04	26.55	60.92								
	C55MO011	31.23	5.05	10.84	3.58	0.42	0.07	43.18	94.37								
	C55MO012	31.87	5.15	10.84	3.58	0.42	0.07	44.07	96.00								
	C55MO013	27.43	4.44	10.84	3.58	0.42	0.07	37.93	84.71								
	C55MO014	26.80	4.34	10.84	3.58	0.42	0.07	37.06	83.11								
	C55MO015	40.30	6.51	10.84	3.58	0.42	0.07	55.71	117.43								
	C55MO016	9.59	1.56	5.86	1.93	0.15	0.02	13.27	32.38								
	C55MO017	10.21	1.66	5.86	1.93	0.15	0.02	14.13	33.96								
	C55SC001	6.27	1.01	2.25	0.74	0.03	0.00	8.66	18.96								
	C55SC002	14.30	2.31	5.86	1.93	0.15	0.02	19.78	44.35								
	C55SC005	21.07	3.42	8.85	2.92	0.48	0.08	29.16	65.98								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C55	***cont.***																
	C55SC006	26.72	4.33	8.85	2.92	0.50	0.08	36.96	80.36								
	C55SC007	35.83	5.83	9.69	3.19	0.85	0.14	49.57	105.10								
	C55SC008	43.52	7.08	9.69	3.19	1.02	0.17	60.22	124.89								
	C55SC009	55.82	9.05	14.74	4.86	1.02	0.17	77.21	162.87								
C60																	
	C60CQ001	1.23	0.17	3.50	1.32	0.00	0.00	1.81	8.03								
	C60CQ002	0.28	0.04	0.80	0.30	0.00	0.00	0.41	1.83								
	C60CQ003	0.32	0.04	1.30	0.49	0.00	0.00	0.48	2.63								
	C60CQ004	0.35	0.05	0.21	0.11	0.00	0.00	0.52	1.24								
	C60CQ005	0.25	0.03	1.10	0.41	0.00	0.00	0.37	2.16								
	C60CQ006	0.41	0.06	1.30	0.49	0.00	0.00	0.60	2.86								
	C60CQ007	0.60	0.08	0.34	0.18	0.00	0.00	0.88	2.08								
	C60CQ008	0.49	0.07	1.60	0.60	0.00	0.00	0.72	3.48								
	C60CQ009	1.26	0.17	0.85	0.45	0.00	0.00	1.85	4.58								
	C60CQ010	1.89	0.26	11.85	5.30	0.00	0.00	2.78	22.08								
	C60CQ011	1.61	0.22	6.49	2.44	0.00	0.00	2.36	13.12								
	C60CQ012	1.62	0.22	6.49	2.44	0.00	0.00	2.38	13.15								
	C60CQ013	1.71	0.23	6.49	2.44	0.00	0.00	2.51	13.38								
	C60CQ014	1.60	0.22	1.27	0.67	0.00	0.00	2.35	6.11								
	C60CQ015	2.76	0.38	30.47	13.62	0.00	0.00	4.05	51.28								
	C60CQ016	2.78	0.38	30.47	13.62	0.00	0.00	4.08	51.33								
	C60CQ017	3.32	0.45	30.47	13.62	0.00	0.00	4.87	52.73								
	C60FE001	0.13	0.02	0.10	0.04	0.00	0.00	0.19	0.48								
	C60FE002	0.14	0.02	0.20	0.08	0.00	0.00	0.20	0.64								
	C60FE006	0.27	0.04	0.80	0.30	0.00	0.00	0.39	1.80								
	C60FE007	0.33	0.05	1.30	0.49	0.00	0.00	0.49	2.66								
	C60FE009	1.00	0.14	2.00	0.75	0.00	0.00	1.47	5.36								
	C60LY001	2.61	0.36	1.00	0.38	0.00	0.00	3.82	8.17								
	C60LY002	3.81	0.52	3.50	1.32	0.00	0.00	5.60	14.75								
	C60LY003	0.18	0.03	0.80	0.30	0.00	0.00	0.27	1.58								
	C60LY004	0.25	0.03	1.10	0.41	0.00	0.00	0.37	2.16								
	C60LY005	0.25	0.03	1.10	0.41	0.00	0.00	0.37	2.16								
	C60LY008	1.19	0.16	3.50	1.32	0.00	0.00	1.75	7.92								
	C60LY009	2.41	0.33	6.49	2.44	0.00	0.00	3.54	15.21								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C60	***cont.***																
	C60LY010	1.69	0.23	6.49	2.44	0.00	0.00	2.48	13.33								
	C60LY011	6.53	0.89	22.01	9.84	0.00	0.00	9.59	48.86								
C65																	
	C65ST007	0.18	0.02	0.03	0.02	0.00	0.00	0.61	0.86								
	C65ST008	0.20	0.02	0.06	0.03	0.00	0.00	0.69	1.00								
	C65ST009	0.24	0.02	0.09	0.05	0.00	0.00	0.85	1.25								
	C65ST010	0.18	0.02	0.03	0.02	0.00	0.00	0.62	0.87								
	C65ST011	0.22	0.02	0.06	0.03	0.00	0.00	0.77	1.10								
	C65ST012	0.25	0.02	0.09	0.05	0.00	0.00	0.88	1.29								
	C65ST013	0.33	0.03	0.40	0.15	0.00	0.00	1.16	2.07								
	C65WC001	0.32	0.03	0.03	0.15	0.00	0.00	1.13	1.66								
	C65WC002	0.34	0.03	0.06	0.17	0.00	0.00	1.20	1.80								
	C65XX001	0.17	0.02	0.00	0.06	0.00	0.00	0.59	0.84								
	C65XX002	0.20	0.02	0.00	0.08	0.00	0.00	0.71	1.01								
	C65XX003	0.22	0.02	0.00	0.10	0.00	0.00	0.79	1.13								
	C65XX004	0.27	0.03	0.00	0.13	0.00	0.00	0.95	1.38								
	C65XX005	0.50	0.05	0.00	0.15	0.00	0.00	1.74	2.44								
C75																	
	C75BD001	4.50	1.21	5.33	2.01	0.14	0.02	5.02	18.23								
	C75BD002	5.68	1.53	8.08	3.04	0.21	0.03	6.34	24.91								
	C75BD003	6.83	1.86	8.08	3.04	0.48	0.08	7.63	28.00								
	C75GV001	13.25	3.62	3.77	1.33	1.17	0.19	14.83	38.16								
	C75GV002	13.25	3.62	3.77	1.33	1.17	0.19	14.83	38.16								
	C75GV003	13.25	3.62	3.77	1.33	1.17	0.19	14.83	38.16								
	C75GV004	13.15	3.56	4.49	1.58	0.75	0.12	14.69	38.34								
	C75GV005	13.15	3.56	4.49	1.58	0.75	0.12	14.69	38.34								
	C75GV006	13.15	3.56	4.49	1.58	0.75	0.12	14.69	38.34								
	C75GV007	13.86	3.75	4.49	1.58	0.75	0.12	15.48	40.03								
	C75GV008	15.45	4.35	4.49	1.58	2.88	0.48	17.36	46.59								
	C75GV009	15.45	4.35	4.49	1.58	2.88	0.48	17.36	46.59								
	C75GV010	15.45	4.35	4.49	1.58	2.88	0.48	17.36	46.59								
	C75GV014	33.88	9.25	7.10	2.51	2.85	0.47	37.89	93.95								
	C75GV015	40.05	10.91	8.97	3.17	2.98	0.50	44.78	111.36								
	C75GV016	50.53	13.82	8.97	3.17	4.45	0.74	56.53	138.21								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C75	***cont.***																
	C75GV018	22.20	6.08	5.45	1.92	2.02	0.34	24.84	62.85								
	C75GV019	30.68	8.41	6.35	2.24	2.98	0.50	34.34	85.50								
	C75LB001	12.32	3.38	3.77	1.33	1.05	0.17	13.79	35.81								
	C75LB002	15.17	4.17	4.66	1.64	1.39	0.23	16.98	44.24								
	C75LO003	13.90	3.81	4.66	1.64	1.37	0.23	15.56	41.17								
	C75LO004	13.91	3.82	4.66	1.64	1.37	0.23	15.57	41.20								
	C75LO009	7.85	2.20	2.87	1.01	1.37	0.23	8.81	24.34								
	C75LO010	7.85	2.20	2.87	1.01	1.37	0.23	8.81	24.34								
	C75LO011	19.89	5.46	8.25	2.91	1.92	0.32	22.26	61.01								
	C75LO012	19.89	5.46	8.97	3.17	1.92	0.32	22.27	62.00								
	C75LO013	17.58	4.85	5.45	1.92	2.09	0.35	19.69	51.93								
	C75PH001	14.37	3.92	4.66	1.64	1.17	0.19	16.07	42.02								
	C75PH002	14.36	3.92	4.66	1.64	1.17	0.19	16.06	42.00								
	C75PH003	14.36	3.92	4.66	1.64	1.17	0.19	16.06	42.00								
	C75PH004	14.36	3.92	4.66	1.64	1.17	0.19	16.06	42.00								
	C75PH006	17.34	4.73	5.56	1.96	1.37	0.23	19.39	50.58								
	C75PH007	17.41	4.75	5.56	1.96	1.37	0.23	19.46	50.74								
	C75PH012	25.56	6.99	7.18	2.53	2.26	0.38	28.59	73.49								
	C75PH013	32.60	8.92	8.18	2.89	2.98	0.50	36.48	92.55								
	C75PH014	17.33	4.73	5.56	1.96	1.37	0.23	19.38	50.56								
	C75PH015	21.67	5.95	6.35	2.24	2.26	0.38	24.26	63.11								
	C75PH016	22.80	6.24	6.35	2.24	2.02	0.34	25.51	65.50								
	C75PH017	38.50	10.49	8.97	3.17	2.98	0.50	43.05	107.66								
	C75PH018	14.70	4.15	4.66	1.64	2.85	0.47	16.53	45.00								
	C75PH019	39.44	10.74	8.97	3.17	2.98	0.50	44.09	109.89								
	C75TD002	14.68	4.04	6.46	2.28	1.59	0.26	16.44	45.75								
	C75TD003	17.36	4.74	6.46	2.28	1.37	0.23	19.42	51.86								
	C75TD005	30.16	8.27	8.86	3.13	2.98	0.50	33.76	87.66								
	C75TD006	20.39	5.56	8.86	3.13	1.59	0.26	22.80	62.59								
	C75TD007	26.78	7.45	8.86	3.13	3.86	0.64	30.04	80.76								
C80																	
	C80GV006	25.57	7.79	7.59	2.32	0.92	0.15	24.95	69.29	29.22	7.87	10.12	3.10	1.11	0.18	30.54	82.14
	C80GV010	30.63	10.50	8.36	2.55	2.20	0.37	34.23	88.84	34.45	10.59	10.72	3.28	2.71	0.45	40.90	103.10
	C80GV012	54.26	20.48	10.75	3.29	3.30	0.55	68.15	160.78	60.29	20.58	13.81	4.23	4.08	0.68	79.91	183.58

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C80	***cont.***																
	C80GV020	29.22	9.92	15.44	4.72	0.94	0.16	32.61	93.01	32.88	10.00	20.59	6.30	1.13	0.19	38.97	110.06
	C80LB001	22.70	7.71	9.56	2.92	0.84	0.14	25.33	69.20	25.54	7.78	12.75	3.90	1.01	0.17	30.27	81.42
	C80LB002	30.71	10.46	13.05	3.99	1.41	0.23	34.29	94.14	34.55	10.55	17.41	5.33	1.71	0.28	40.97	110.80
	C80LI001	18.22	4.92	6.07	2.57	0.77	0.13	15.25	47.93	21.26	4.99	8.10	3.43	0.94	0.16	19.27	58.15
	C80LI003	16.01	4.90	6.07	1.86	0.77	0.13	15.63	45.37	18.30	4.94	8.10	2.48	0.94	0.16	19.14	54.06
	C80LI004	16.91	5.17	6.38	1.95	0.77	0.13	16.51	47.82	19.33	5.22	8.50	2.60	0.94	0.16	20.22	56.97
	C80LI006	21.54	6.57	7.10	2.17	0.84	0.14	21.02	59.38	24.61	6.63	9.47	2.90	1.01	0.17	25.73	70.52
	C80LI008	25.40	7.77	11.08	3.39	1.27	0.21	24.80	73.92	29.03	7.85	14.78	4.52	1.56	0.26	30.37	88.37
	C80PA001	0.93	0.25	0.00	0.10	0.00	0.00	0.78	2.06	1.09	0.25	0.00	0.10	0.00	0.00	0.99	2.43
	C80PA002	1.19	0.32	0.00	0.10	0.00	0.00	0.99	2.60	1.38	0.32	0.00	0.10	0.00	0.00	1.25	3.05
	C80PA003	2.13	0.57	0.00	0.10	0.00	0.00	1.78	4.58	2.48	0.57	0.00	0.10	0.00	0.00	2.25	5.40
	C80PA004	2.51	0.67	0.00	0.25	0.00	0.00	2.09	5.52	2.92	0.68	0.00	0.25	0.00	0.00	2.65	6.50
	C80PA005	3.25	0.87	0.00	0.25	0.00	0.00	2.72	7.09	3.79	0.88	0.00	0.25	0.00	0.00	3.43	8.35
	C80PA006	4.57	1.22	0.00	0.25	0.00	0.00	3.81	9.85	5.33	1.23	0.00	0.25	0.00	0.00	4.82	11.63
	C80PA007	5.76	1.53	0.00	0.75	0.00	0.00	4.81	12.85	6.72	1.55	0.00	0.75	0.00	0.00	6.08	15.10
	C80PA008	7.58	2.02	0.00	0.75	0.00	0.00	6.33	16.68	8.85	2.04	0.00	0.75	0.00	0.00	8.00	19.64
	C80PA009	11.75	3.13	0.00	1.00	0.00	0.00	9.81	25.69	13.70	3.17	0.00	1.00	0.00	0.00	12.40	30.27
	C80PH001	18.60	5.01	6.38	2.70	0.61	0.10	15.56	48.96	21.70	5.07	8.50	3.60	0.76	0.13	19.66	59.42
	C80PH002	16.80	5.10	6.38	1.95	0.36	0.06	16.38	47.03	19.20	5.15	8.50	2.60	0.44	0.07	20.05	56.01
	C80PH003	16.80	5.10	6.38	1.95	0.36	0.06	16.38	47.03	19.20	5.15	8.50	2.60	0.44	0.07	20.05	56.01
	C80PH006	23.63	7.21	7.59	2.32	0.92	0.15	23.06	64.88	27.01	7.28	10.12	3.10	1.11	0.18	28.24	77.04
	C80PH007	28.15	8.57	10.63	3.25	0.92	0.15	27.46	79.13	32.17	8.65	14.17	4.33	1.11	0.18	33.62	94.23
	C80TD004	23.64	7.31	5.46	1.67	2.05	0.34	23.12	63.59	27.02	7.38	7.29	2.23	2.63	0.44	28.31	75.30
C85																	
	C85AM002	27.16	7.23	3.22	1.29	0.00	0.00	32.14	71.04	31.68	7.32	4.25	1.70	0.00	0.00	41.90	86.85
	C85AM003	46.45	13.99	8.01	2.07	0.00	0.00	61.43	131.95	53.09	14.13	10.59	2.74	0.00	0.00	77.57	158.12
	C85AM004	134.88	45.33	23.18	6.55	0.00	0.00	197.09	407.03	151.74	45.70	30.64	8.65	0.00	0.00	242.97	479.70
	C85AM005	136.16	45.76	23.18	6.55	0.00	0.00	198.95	410.60	153.18	46.13	30.64	8.65	0.00	0.00	245.26	483.86
	C85AM007	25.30	7.18	2.42	0.57	0.00	0.00	26.40	61.87	29.19	7.25	3.11	0.73	0.00	0.00	32.52	72.80
	C85AM008	24.17	8.12	2.42	0.63	0.00	0.00	28.61	63.95	27.19	8.19	3.11	0.81	0.00	0.00	34.07	73.37
	C85AM009	25.46	8.56	3.09	0.80	0.00	0.00	30.14	68.05	28.65	8.63	3.97	1.03	0.00	0.00	35.89	78.17
	C85AM010	33.06	11.11	4.12	1.07	0.00	0.00	39.13	88.49	37.19	11.20	5.29	1.37	0.00	0.00	46.60	101.65
	C85AM011	42.99	14.45	5.58	1.44	0.00	0.00	50.89	115.35	48.37	14.57	7.18	1.86	0.00	0.00	60.60	132.58
	C85AM012	47.79	17.76	5.39	1.52	0.00	0.00	63.19	135.65	53.10	17.84	6.93	1.96	0.00	0.00	73.90	153.73

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C85	***cont.***																
	C85AM013	52.87	19.65	5.39	1.52	0.00	0.00	69.92	149.35	58.75	19.74	6.93	1.96	0.00	0.00	81.77	169.15
	C85AM015	115.20	42.81	10.03	2.83	0.00	0.00	152.34	323.21	128.00	43.02	12.89	3.64	0.00	0.00	178.15	365.70
	C85LB005	24.21	8.13	4.00	1.04	0.00	0.00	28.65	66.03	27.23	8.20	5.14	1.33	0.00	0.00	34.12	76.02
	C85LB006	27.67	9.30	5.08	1.32	0.00	0.00	32.75	76.12	31.13	9.38	6.53	1.69	0.00	0.00	39.01	87.74
	C85LB007	34.69	11.66	5.08	1.32	0.00	0.00	41.06	93.81	39.03	11.75	6.53	1.69	0.00	0.00	48.90	107.90
	C85LG001	11.83	2.73	3.61	1.36	0.00	0.00	13.18	32.71	14.19	2.78	4.77	1.80	0.00	0.00	17.78	41.32
	C85LG002	15.49	3.58	3.61	1.36	0.00	0.00	17.26	41.30	18.59	3.64	4.77	1.80	0.00	0.00	23.29	52.09
	C85MA001	46.12	13.89	8.63	2.23	0.00	0.00	60.99	131.86	52.71	14.03	11.40	2.95	0.00	0.00	77.02	158.11
	C85MA002	74.42	22.41	8.63	2.23	0.00	0.00	98.41	206.10	85.05	22.63	11.40	2.95	0.00	0.00	124.28	246.31
	C85MA003	77.46	26.03	17.52	4.95	0.00	0.00	113.19	239.15	87.15	26.25	23.15	6.54	0.00	0.00	139.53	282.62
	C85MA004	42.18	14.18	6.47	1.67	0.00	0.00	49.92	114.42	47.45	14.29	8.32	2.15	0.00	0.00	59.45	131.66
	C85MA005	48.20	16.20	6.47	1.67	0.00	0.00	57.05	129.59	54.23	16.33	8.32	2.15	0.00	0.00	67.94	148.97
	C85MA006	56.84	21.12	6.47	1.83	0.00	0.00	75.16	161.42	63.15	21.22	8.32	2.35	0.00	0.00	87.90	182.94
	C85MA007	89.43	33.23	8.33	2.35	0.00	0.00	118.26	251.60	99.37	33.40	10.71	3.02	0.00	0.00	138.30	284.80
	C85MA008	54.00	18.15	6.47	1.67	0.00	0.00	63.91	144.20	60.75	18.30	8.32	2.15	0.00	0.00	76.12	165.64
	C85MA009	51.44	17.29	8.50	2.40	0.00	0.00	75.16	154.79	57.87	17.43	11.23	3.17	0.00	0.00	92.66	182.36
	C85MA010	57.88	21.51	6.38	1.80	0.00	0.00	76.53	164.10	64.31	21.61	8.20	2.32	0.00	0.00	89.50	185.94
	C85NO001	25.03	5.78	4.89	1.84	0.00	0.00	27.89	65.43	30.04	5.88	6.47	2.44	0.00	0.00	37.64	82.47
	C85NO002	21.71	5.78	4.89	1.96	0.00	0.00	25.70	60.04	25.33	5.85	6.47	2.59	0.00	0.00	33.50	73.74
	C85NO003	25.64	6.82	6.13	2.45	0.00	0.00	30.34	71.38	29.91	6.91	8.10	3.24	0.00	0.00	39.55	87.71
	C85NO004	36.03	9.59	6.13	2.45	0.00	0.00	42.65	96.85	42.04	9.71	8.10	3.24	0.00	0.00	55.59	118.68
	C85NO005	37.20	11.20	6.13	1.59	0.00	0.00	49.19	105.31	42.51	11.31	8.10	2.10	0.00	0.00	62.12	126.14
	C85NO006	35.22	10.61	7.83	2.03	0.00	0.00	46.57	102.26	40.25	10.71	10.35	2.68	0.00	0.00	58.81	122.80
	C85NO007	41.83	14.06	11.75	3.32	0.00	0.00	61.12	132.08	47.05	14.17	15.52	4.38	0.00	0.00	75.34	156.46
	C85NO008	18.33	5.20	3.67	0.86	0.00	0.00	19.13	47.19	21.16	5.25	4.72	1.11	0.00	0.00	23.57	55.81
	C85NO009	18.49	5.24	3.67	0.86	0.00	0.00	19.29	47.55	21.33	5.30	4.72	1.11	0.00	0.00	23.76	56.22
	C85NO010	23.81	6.76	4.60	1.08	0.00	0.00	24.85	61.10	27.48	6.82	5.91	1.39	0.00	0.00	30.61	72.21
	C85NO011	27.59	9.27	4.60	1.19	0.00	0.00	32.65	75.30	31.04	9.35	5.91	1.53	0.00	0.00	38.89	86.72
	C85NO012	33.97	11.42	4.60	1.19	0.00	0.00	40.21	91.39	38.22	11.51	5.91	1.53	0.00	0.00	47.89	105.06
	C85NO013	30.87	10.37	5.87	1.52	0.00	0.00	36.53	85.16	34.73	10.46	7.55	1.95	0.00	0.00	43.51	98.20
	C85NO014	43.23	14.53	8.81	2.28	0.00	0.00	51.16	120.01	48.63	14.65	11.33	2.93	0.00	0.00	60.94	138.48
C90																	
	C90AM001	33.39	11.35	4.45	1.37	1.31	0.22	37.26	89.35	37.56	11.44	5.84	1.79	1.61	0.27	44.53	103.04
	C90AM002	43.60	14.82	9.82	3.00	1.72	0.29	48.66	121.91	49.05	14.94	12.72	3.90	2.13	0.35	58.16	141.25

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C90	***cont.***																
	C90AM003	53.78	20.14	8.19	2.50	1.67	0.28	67.46	154.02	59.76	20.24	10.64	3.25	2.06	0.34	79.11	175.40
	C90AM004	69.65	26.38	9.04	2.76	5.26	0.88	87.52	201.49	77.38	26.51	11.83	3.62	6.49	1.08	102.63	229.54
	C90LI007	43.05	16.22	7.47	2.28	2.27	0.38	54.05	125.72	47.83	16.30	9.80	3.00	2.82	0.47	63.38	143.60
	C90LI008	51.43	19.33	8.45	2.58	2.27	0.38	64.55	148.99	57.15	19.43	11.05	3.38	2.82	0.47	75.70	170.00
	C90LI009	83.88	31.39	11.13	3.40	2.27	0.38	105.20	237.65	93.20	31.54	14.45	4.42	2.82	0.47	123.37	270.27
	C90PH001	41.78	15.74	6.86	2.10	2.27	0.38	52.46	121.59	46.42	15.82	8.96	2.74	2.82	0.47	61.51	138.74
C95																	
	C95AP001	21.09	7.82	3.36	7.28	0.00	0.00	26.52	66.07								
	C95AP002	0.75	0.28	0.00	0.00	0.00	0.00	0.94	1.97								
	C95AP003	3.24	1.20	0.00	0.00	0.00	0.00	4.07	8.51								
	C95AP004	28.96	10.73	4.89	8.18	0.00	0.00	36.42	89.18								
	C95AP005	0.75	0.28	0.00	0.00	0.00	0.00	0.94	1.97								
	C95AP006	3.24	1.20	0.00	0.00	0.00	0.00	4.07	8.51								
	C95AP007	47.95	17.77	5.29	8.41	0.00	0.00	60.29	139.71								
	C95AP008	1.57	0.58	0.00	0.00	0.00	0.00	1.98	4.13								
	C95AP009	5.34	1.98	0.00	0.00	0.00	0.00	6.71	14.03								
	C95AP010	56.94	21.10	7.73	9.85	0.00	0.00	71.60	167.22								
	C95AP011	1.99	0.74	0.00	0.00	0.00	0.00	2.50	5.23								
	C95AP012	5.58	2.07	0.00	0.00	0.00	0.00	7.02	14.67								
	C95AP013	60.36	22.37	7.73	9.85	0.00	0.00	75.91	176.22								
	C95AP014	1.62	0.60	0.00	0.00	0.00	0.00	2.04	4.26								
	C95AP015	5.19	1.92	0.00	0.00	0.00	0.00	6.52	13.63								
	C95LH003	22.51	8.34	3.09	4.82	0.00	0.00	28.31	67.07								
	C95LH004	24.01	8.90	3.09	4.82	0.00	0.00	30.19	71.01								
	C95LH005	31.41	11.64	3.91	6.30	0.00	0.00	39.49	92.75								
	C95LH006	35.51	13.16	3.94	6.32	0.00	0.00	44.65	103.58								
	C95LH007	41.40	15.34	3.94	6.32	0.00	0.00	52.06	119.06								
	C95LH008	45.10	16.71	3.94	6.32	0.00	0.00	56.72	128.79								
	C95LH009	43.38	16.07	3.94	6.32	0.00	0.00	54.55	124.26								
	C95LH010	46.17	17.11	3.94	6.32	0.00	0.00	58.06	131.60								
	C95LH011	59.51	22.05	5.59	8.29	0.00	0.00	74.83	170.27								
	C95LH012	69.26	25.66	5.59	8.29	0.00	0.00	87.10	195.90								
	C95LH013	69.76	25.85	5.77	8.39	0.00	0.00	87.73	197.50								
	C95LH014	75.39	27.93	5.19	8.05	0.00	0.00	94.81	211.37								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
C95	***cont.***																
	C95LH015	119.43	44.25	9.68	12.69	0.00	0.00	150.18	336.23								
	C95LH016	139.14	51.55	9.68	12.69	0.00	0.00	174.97	388.03								
	C95LH017	6.00	2.22	0.52	2.31	0.00	0.00	7.54	18.59								
	C95LH018	6.43	2.38	0.58	2.34	0.00	0.00	8.08	19.81								
	C95LH019	15.35	5.69	1.01	2.59	0.00	0.00	19.31	43.95								
	C95LH020	12.80	4.74	1.07	2.63	0.00	0.00	16.10	37.34								
	C95LH021	16.33	6.05	1.07	2.63	0.00	0.00	20.54	46.62								
	C95LH022	22.74	8.42	1.99	4.17	0.00	0.00	28.59	65.91								
D10																	
	D10IN002	9.89	2.13	0.00	0.84	0.00	0.00	14.47	27.33								
	D10IN003	8.85	1.90	0.00	0.79	0.00	0.00	12.95	24.49								
	D10IN004	25.23	5.42	6.98	2.30	0.00	0.00	36.93	76.86								
	D10IN005	28.94	6.22	8.11	2.67	0.00	0.00	42.37	88.31								
	D10IN006	28.95	6.22	11.69	3.85	0.00	0.00	42.38	93.09								
	D10RD001	17.54	3.77	6.79	2.24	0.00	0.00	25.67	56.01								
	D10RD002	18.94	4.07	8.68	2.86	0.00	0.00	27.73	62.28								
	D10RD003	30.26	6.50	10.75	3.54	0.00	0.00	44.30	95.35								
	D10RD004	29.69	6.38	10.75	3.54	0.00	0.00	43.46	93.82								
	D10RD005	33.27	7.15	10.75	3.54	0.00	0.00	48.69	103.40								
	D10RD006	7.24	1.56	0.00	0.79	0.00	0.00	10.60	20.19								
	D10RD007	8.01	1.72	0.00	0.84	0.00	0.00	11.72	22.29								
	D10SU002	8.46	1.82	0.00	0.80	0.00	0.00	12.38	23.46								
	D10SU003	8.73	1.88	0.00	0.80	0.00	0.00	12.78	24.19								
	D10SU005	14.11	3.03	9.81	3.23	0.00	0.00	20.65	50.83								
	D10SU006	14.11	3.03	9.81	3.23	0.00	0.00	20.65	50.83								
D15																	
	D15BI001	1.26	0.27	1.42	0.53	0.00	0.00	1.65	5.13								
	D15BI002	1.52	0.33	1.60	0.60	0.00	0.00	2.01	6.06								
	D15BI003	2.34	0.50	1.17	0.39	0.00	0.00	3.08	7.48								
	D15BI004	3.34	0.72	1.70	0.56	0.00	0.00	4.40	10.72								
	D15BI005	4.68	1.01	2.56	0.84	0.00	0.00	6.17	15.26								
	D15BI006	8.06	1.73	4.15	1.37	0.00	0.00	10.62	25.93								
	D15BI007	11.01	2.37	6.22	2.05	0.00	0.00	14.50	36.15								
	D15BI008	9.27	1.99	6.22	2.05	0.00	0.00	12.22	31.75								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
D15	***cont.***																
	D15UE001	0.33	0.07	0.53	0.20	0.00	0.00	0.43	1.56								
D20																	
	D20AD002	0.39	0.07	0.08	0.29	0.00	0.00	0.49	1.32								
	D20AD005	0.38	0.07	0.08	0.29	0.00	0.00	0.48	1.30								
	D20AD006	0.63	0.11	0.15	0.48	0.00	0.00	0.79	2.16								
	D20AD007	1.05	0.18	0.30	0.96	0.00	0.00	1.30	3.79								
	D20CQ001	2.31	0.41	3.73	2.20	0.00	0.00	2.87	11.52								
	D20LY001	0.59	0.10	0.11	0.56	0.00	0.00	0.74	2.10								
	D20LY002	0.66	0.12	0.00	0.60	0.00	0.00	0.82	2.20								
D25																	
	D25AD003	5.49	1.18	2.60	0.73	0.00	0.00	8.03	18.03								
	D25AD004	4.38	0.94	1.06	0.30	0.00	0.00	6.41	13.09								
	D25EZ001	0.56	0.12	0.00	0.50	0.00	0.00	0.82	2.00								
	D25EZ003	0.57	0.13	0.00	0.50	0.03	0.00	0.84	2.07								
	D25EZ004	1.90	0.42	0.00	1.20	0.05	0.01	2.80	6.38								
	D25EZ005	2.07	0.45	0.00	1.25	0.05	0.01	3.04	6.87								
D30																	
	D30HD001	7.16	1.54	7.92	4.61	0.00	0.00	10.48	31.71								
	D30HD002	10.68	2.29	10.18	6.35	0.00	0.00	15.63	45.13								
	D30HD003	14.82	3.19	12.64	8.16	0.00	0.00	21.70	60.51								
	D30MR001	0.52	0.11	0.71	0.27	0.00	0.00	0.76	2.37								
	D30MR003	2.43	0.53	8.44	3.18	0.06	0.01	3.56	18.21								
	D30MR005	5.26	1.15	14.56	5.48	0.23	0.04	7.73	34.45								
	D30MR006	5.80	1.27	12.48	4.70	0.23	0.04	8.52	33.04								
	D30MR007	9.89	2.14	13.59	5.11	0.23	0.04	14.50	45.50								
	D30RD001	8.51	1.83	7.64	2.88	0.00	0.00	12.46	33.32								
	D30RD002	9.50	2.04	11.99	4.51	0.00	0.00	13.91	41.95								
	D30RD003	10.43	2.24	11.99	4.51	0.00	0.00	15.27	44.44								
	D30RD004	9.08	1.95	11.99	4.51	0.00	0.00	13.29	40.82								
	D30RD005	25.00	5.37	6.04	1.99	0.00	0.00	36.60	75.00								
	D30RD006	29.03	6.24	6.04	1.99	0.00	0.00	42.50	85.80								
	D30RD007	24.21	5.20	4.90	1.61	0.00	0.00	35.43	71.35								
	D30RD008	36.53	7.85	7.92	2.61	0.00	0.00	53.47	108.38								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
D30	***cont.***																
	D30RD009	47.84	10.28	9.43	3.11	0.00	0.00	70.03	140.69								
	D30RD010	11.76	2.53	6.79	2.24	0.00	0.00	17.22	40.54								
D35																	
	D35IN002	24.59	7.27	21.63	9.67	1.12	0.19	36.06	100.53								
	D35IN003	19.04	7.10	17.92	6.75	0.72	0.12	27.91	79.56								
	D35IN004	16.80	6.28	15.47	5.82	0.87	0.14	24.63	70.01								
	D35IN005	19.89	7.42	17.54	6.60	0.87	0.14	29.15	81.61								
	D35IN006	23.81	8.87	22.63	8.52	0.87	0.14	34.90	99.74								
	D35IN007	24.50	7.17	16.97	7.59	0.00	0.00	35.87	92.10								
	D35IN008	25.97	7.60	16.97	7.59	0.00	0.00	38.02	96.15								
	D35IN009	29.32	8.58	22.63	10.12	0.00	0.00	42.92	113.57								
	D35IN010	32.02	9.37	19.80	8.85	0.00	0.00	46.87	116.91								
	D35IN011	33.68	9.86	22.63	10.12	0.00	0.00	49.30	125.59								
	D35RD001	17.89	5.24	17.02	7.61	0.00	0.00	26.19	73.95								
	D35RD002	16.68	4.88	10.69	4.78	0.00	0.00	24.41	61.44								
	D35RD003	19.82	5.80	14.13	6.32	0.00	0.00	29.01	75.08								
	D35RD004	24.69	7.23	18.43	8.24	0.00	0.00	36.14	94.73								
	D35RD005	27.00	7.90	19.80	8.85	0.00	0.00	39.52	103.07								
	D35RD006	26.05	7.63	16.22	7.25	0.00	0.00	38.13	95.28								
	D35RD007	28.76	8.42	28.29	12.65	0.00	0.00	42.09	120.21								
	D35RD008	30.11	8.81	19.80	8.85	0.00	0.00	44.07	111.64								
	D35RD009	31.58	11.70	28.29	10.65	0.00	0.00	46.22	128.44								
F10																	
	F10CA001	1.90	0.42	0.55	0.29	0.08	0.01	2.10	5.35								
	F10CA002	2.17	0.48	0.55	0.29	0.11	0.02	2.40	6.02								
	F10CA004	2.63	0.58	0.86	0.46	0.11	0.02	2.91	7.57								
	F10CA005	2.88	0.63	0.86	0.46	0.11	0.02	3.18	8.14								
	F10CA006	3.44	0.76	1.62	0.86	0.17	0.03	3.81	10.69								
	F10CA007	3.61	0.79	1.62	0.86	0.15	0.02	3.99	11.04								
	F10CA008	3.76	0.82	1.62	0.86	0.14	0.02	4.16	11.38								
	F10CA021	3.29	0.75	2.06	0.58	0.39	0.06	3.66	10.79								
	F10CA022	3.71	0.84	2.06	0.58	0.39	0.06	4.12	11.76								
	F10CA023	4.02	0.91	2.06	0.58	0.39	0.06	4.47	12.49								
	F10CA024	4.10	0.94	2.06	0.58	0.51	0.08	4.57	12.84								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
F10	***cont.***																
	F10CA025	2.17	0.48	0.55	0.29	0.11	0.02	2.40	6.02								
	F10CA026	2.50	0.55	0.86	0.46	0.12	0.02	2.77	7.28								
	F10CA027	1.91	0.41	3.32	0.94	0.03	0.00	2.11	8.72								
	F10CA028	2.20	0.48	3.32	0.94	0.06	0.01	2.43	9.44								
	F10CA029	2.30	0.51	3.32	0.94	0.14	0.02	2.54	9.77								
	F10CA030	2.81	0.61	4.55	1.28	0.09	0.01	3.11	12.46								
	F10CA031	3.39	0.74	4.11	1.16	0.09	0.01	3.74	13.24								
	F10CA032	3.57	0.78	4.55	1.28	0.09	0.01	3.95	14.23								
	F10CA033	4.46	0.98	2.00	0.56	0.17	0.03	4.93	13.13								
	F10CA034	5.02	1.10	2.13	0.60	0.17	0.03	5.55	14.60								
	F10CA035	6.80	1.49	3.79	1.07	0.30	0.05	7.52	21.02								
	F10CA036	7.31	1.60	3.79	1.07	0.30	0.05	8.08	22.20								
	F10CA037	7.70	1.70	3.79	1.07	0.40	0.07	8.52	23.25								
	F10CA038	8.06	1.79	3.79	1.07	0.50	0.08	8.93	24.22								
	F10HY001	1.66	0.36	3.32	0.94	0.07	0.01	1.84	8.20								
	F10HY002	3.00	0.66	6.78	1.91	0.12	0.02	3.32	15.81								
	F10HY003	3.63	0.79	6.78	1.91	0.07	0.01	4.00	17.19								
	F10HY004	4.59	1.01	6.78	1.91	0.25	0.04	5.08	19.66								
	F10HY005	6.33	1.39	3.86	1.09	0.30	0.05	7.01	20.03								
	F10HY006	6.81	1.52	3.86	1.09	0.51	0.08	7.56	21.43								
	F10HY007	6.99	1.55	3.86	1.09	0.41	0.07	7.75	21.72								
	F10HY008	15.83	3.50	6.53	1.84	0.90	0.15	17.53	46.28								
	F10JC001	4.01	0.91	2.28	0.64	0.42	0.07	4.46	12.79								
	F10JC002	4.62	1.04	2.28	0.64	0.43	0.07	5.14	14.22								
G10																	
	G10CA001	2.00	0.39	5.28	1.49	0.00	0.00	1.84	11.00	2.50	0.40	7.04	1.99	0.00	0.00	2.63	14.56
	G10CA002	2.51	0.49	9.32	2.63	0.00	0.00	2.30	17.25	3.13	0.50	12.43	3.51	0.00	0.00	3.29	22.86
	G10CA003	2.51	0.49	8.17	2.31	0.00	0.00	2.30	15.78	3.14	0.50	10.89	3.08	0.00	0.00	3.29	20.90
	G10CA004	3.13	0.61	14.42	4.07	0.00	0.00	2.87	25.10	3.91	0.63	19.23	5.43	0.00	0.00	4.11	33.31
	G10CA005	3.32	0.65	11.17	3.15	0.00	0.00	3.04	21.33	4.15	0.67	14.90	4.21	0.00	0.00	4.35	28.28
	G10CA006	4.81	0.94	16.27	4.59	0.00	0.00	4.41	31.02	6.01	0.96	21.70	6.13	0.00	0.00	6.30	41.10
	G10CA007	5.80	1.13	20.19	5.70	0.00	0.00	5.32	38.14	7.25	1.16	26.92	7.60	0.00	0.00	7.61	50.54
	G10CA008	7.26	1.42	24.68	6.97	0.00	0.00	6.66	46.99	9.07	1.46	32.91	9.29	0.00	0.00	9.52	62.25
	G10CA009	10.64	2.08	29.24	8.26	0.00	0.00	9.76	59.98	13.30	2.14	38.98	11.01	0.00	0.00	13.96	79.39

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
G10	***cont.***																
	G10CA010	13.17	2.58	40.23	11.36	0.00	0.00	12.09	79.43	16.47	2.64	53.64	15.15	0.00	0.00	17.28	105.18
	G10CA011	19.65	3.84	55.56	15.69	0.00	0.00	18.03	112.77	24.57	3.95	74.08	20.92	0.00	0.00	25.78	149.30
	G10HO005	0.07	0.01	0.36	0.10	0.00	0.00	0.05	0.59	0.08	0.01	0.47	0.13	0.00	0.00	0.07	0.76
	G10HO006	0.08	0.01	0.58	0.16	0.00	0.00	0.06	0.89	0.09	0.01	0.75	0.21	0.00	0.00	0.09	1.15
	G10HO007	0.10	0.02	0.79	0.22	0.00	0.00	0.08	1.21	0.11	0.02	1.04	0.29	0.00	0.00	0.10	1.56
	G10KH004	0.17	0.03	0.58	0.16	0.00	0.00	0.13	1.07	0.19	0.03	0.75	0.21	0.00	0.00	0.18	1.36
	G10KH005	0.21	0.03	0.87	0.25	0.00	0.00	0.16	1.52	0.24	0.03	1.13	0.32	0.00	0.00	0.22	1.94
	G10ON001	0.13	0.02	0.43	0.12	0.00	0.00	0.11	0.81	0.15	0.02	0.57	0.16	0.00	0.00	0.14	1.04
	G10ON002	0.18	0.03	0.65	0.18	0.00	0.00	0.14	1.18	0.21	0.03	0.85	0.24	0.00	0.00	0.19	1.52
	G10ON003	0.22	0.04	1.01	0.29	0.00	0.00	0.18	1.74	0.26	0.04	1.32	0.37	0.00	0.00	0.23	2.22
	G10ON005	0.37	0.07	1.01	0.29	0.00	0.00	0.34	2.08	0.46	0.07	1.32	0.37	0.00	0.00	0.48	2.70
	G10ON006	0.64	0.13	1.08	0.31	0.00	0.00	0.59	2.75	0.80	0.13	1.42	0.40	0.00	0.00	0.84	3.59
	G10ON007	0.64	0.12	0.39	0.11	0.00	0.00	0.58	1.84	0.79	0.13	0.53	0.15	0.00	0.00	0.83	2.43
	G10ON009	0.62	0.12	0.36	0.10	0.00	0.00	0.57	1.77	0.78	0.12	0.49	0.14	0.00	0.00	0.82	2.35
	G10ON010	0.73	0.14	0.64	0.18	0.00	0.00	0.67	2.36	0.91	0.15	0.85	0.24	0.00	0.00	0.95	3.10
	G10ON011	0.99	0.19	0.73	0.21	0.00	0.00	0.91	3.03	1.24	0.20	0.97	0.27	0.00	0.00	1.30	3.98
	G10ON012	1.03	0.20	1.00	0.28	0.00	0.00	0.94	3.45	1.28	0.21	1.34	0.38	0.00	0.00	1.35	4.56
	G10ON013	1.15	0.22	2.06	0.58	0.00	0.00	1.05	5.06	1.43	0.23	2.75	0.78	0.00	0.00	1.50	6.69
	G10ON014	1.21	0.24	2.06	0.58	0.00	0.00	1.11	5.20	1.51	0.24	2.75	0.78	0.00	0.00	1.59	6.87
	G10ON015	1.34	0.26	2.61	0.74	0.00	0.00	1.23	6.18	1.67	0.27	3.48	0.98	0.00	0.00	1.76	8.16
	G10ON016	1.44	0.28	3.10	0.88	0.00	0.00	1.32	7.02	1.80	0.29	4.13	1.17	0.00	0.00	1.89	9.28
	G10ON017	1.64	0.32	4.10	1.16	0.00	0.00	1.50	8.72	2.05	0.33	5.46	1.54	0.00	0.00	2.15	11.53
	G10ON018	1.88	0.37	5.04	1.42	0.00	0.00	1.73	10.44	2.36	0.38	6.72	1.90	0.00	0.00	2.47	13.83
	G10ON019	2.13	0.42	6.28	1.77	0.00	0.00	1.95	12.55	2.66	0.43	8.38	2.37	0.00	0.00	2.79	16.63
	G10ON020	2.48	0.48	8.41	2.37	0.00	0.00	2.27	16.01	3.10	0.50	11.21	3.17	0.00	0.00	3.25	21.23
G15																	
	G15CA001	9.09	2.99	3.56	1.42	0.46	0.08	10.14	27.74	10.60	3.02	4.60	1.84	0.63	0.10	12.67	33.46
	G15CA003	10.60	3.47	3.99	1.60	0.46	0.08	11.81	32.01	12.36	3.51	5.15	2.06	0.63	0.10	14.76	38.57
	G15CA004	11.28	3.70	4.28	1.71	0.52	0.09	12.58	34.16	13.16	3.74	5.52	2.21	0.70	0.12	15.71	41.16
	G15CA005	15.48	5.13	6.13	2.45	1.26	0.21	17.31	47.97	18.06	5.19	7.91	3.16	1.70	0.28	21.62	57.92
	G15CA006	22.48	7.50	7.84	3.14	2.21	0.37	25.17	68.71	26.22	7.58	10.12	4.05	3.00	0.50	31.44	82.91
	G15CA007	9.66	3.17	3.85	1.54	0.46	0.08	10.77	29.53	11.27	3.20	4.97	1.99	0.63	0.10	13.46	35.62
	G15CA008	13.13	4.30	4.28	1.71	0.55	0.09	14.63	38.69	15.32	4.34	5.52	2.21	0.77	0.13	18.28	46.57
	G15CA009	12.24	4.01	5.70	2.28	0.53	0.09	13.64	38.49	14.28	4.05	7.36	2.94	0.72	0.12	17.04	46.51

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
G15	***cont.***																
	G15CA010	14.21	4.65	5.13	2.05	0.57	0.09	15.83	42.53	16.57	4.69	6.62	2.65	0.80	0.13	19.77	51.23
	G15CH001	8.26	2.74	3.99	1.60	0.71	0.12	9.24	26.66	9.64	2.77	5.15	2.06	0.96	0.16	11.55	32.29
	G15CH002	9.49	3.12	4.56	1.82	0.53	0.09	10.59	30.20	11.07	3.15	5.89	2.36	0.72	0.12	13.23	36.54
	G15CH003	10.05	3.30	5.56	2.22	0.53	0.09	11.21	32.96	11.72	3.34	7.18	2.87	0.72	0.12	14.01	39.96
	G15CH004	11.07	3.63	5.99	2.40	0.53	0.09	12.35	36.06	12.92	3.67	7.73	3.09	0.72	0.12	15.43	43.68
	G15CH005	12.28	4.10	5.99	2.40	1.26	0.21	13.76	40.00	14.33	4.15	7.73	3.09	1.70	0.28	17.19	48.47
	G15CH006	12.94	4.31	5.99	2.40	1.26	0.21	14.49	41.60	15.09	4.36	7.73	3.09	1.70	0.28	18.10	50.35
	G15CH007	7.78	2.59	3.99	1.60	0.71	0.12	8.70	25.49	9.07	2.62	5.15	2.06	0.96	0.16	10.87	30.89
	G15CH008	8.68	2.86	4.56	1.82	0.53	0.09	9.69	28.23	10.13	2.89	5.89	2.36	0.72	0.12	12.11	34.22
	G15CH009	9.22	3.04	5.56	2.22	0.53	0.09	10.29	30.95	10.76	3.07	7.18	2.87	0.72	0.12	12.86	37.58
	G15CH010	10.44	3.43	5.99	2.40	0.53	0.09	11.64	34.52	12.18	3.46	7.73	3.09	0.72	0.12	14.54	41.84
	G15FI001	6.65	2.20	3.85	1.54	0.46	0.08	7.43	22.21	7.76	2.22	4.97	1.99	0.63	0.10	9.28	26.95
	G15FI002	6.80	2.25	4.62	1.85	0.52	0.09	7.60	23.73	7.94	2.28	5.96	2.38	0.70	0.12	9.50	28.88
	G15FI003	7.76	2.59	5.59	2.24	0.75	0.12	8.69	27.74	9.06	2.62	7.21	2.88	1.02	0.17	10.86	33.82
	G15GI002	9.00	2.96	4.11	1.64	0.46	0.08	10.03	28.28	10.50	2.99	5.30	2.12	0.63	0.10	12.54	34.18
	G15GI004	9.53	3.20	4.73	1.89	1.11	0.18	10.69	31.33	11.12	3.23	6.11	2.44	1.50	0.25	13.35	38.00
	G15GI006	10.04	3.36	5.82	2.33	1.11	0.18	11.25	34.09	11.71	3.40	7.51	3.00	1.50	0.25	14.06	41.43
	G15JD002	9.02	3.02	3.85	1.54	1.01	0.17	10.12	28.73	10.53	3.06	4.97	1.99	1.37	0.23	12.64	34.79
	G15JD003	10.64	3.55	3.85	1.54	1.01	0.17	11.91	32.67	12.41	3.58	4.97	1.99	1.37	0.23	14.88	39.43
	G15JD004	10.29	3.43	4.42	1.77	1.01	0.17	11.52	32.61	12.00	3.47	5.70	2.28	1.37	0.23	14.40	39.45
	G15JD006	10.38	3.46	4.85	1.94	1.01	0.17	11.62	33.43	12.11	3.50	6.26	2.50	1.37	0.23	14.52	40.49
	G15JD007	11.90	3.95	4.85	1.94	1.01	0.17	13.31	37.13	13.88	3.99	6.26	2.50	1.37	0.23	16.63	44.86
	G15KM001	12.46	4.13	3.85	1.54	1.01	0.17	13.93	37.09	14.53	4.18	4.97	1.99	1.37	0.23	17.40	44.67
	G15KM003	14.82	4.84	4.42	1.77	0.53	0.09	16.51	42.98	17.29	4.89	5.70	2.28	0.72	0.12	20.62	51.62
	G15KM004	19.37	6.39	5.70	2.28	1.26	0.21	21.63	56.84	22.60	6.46	7.36	2.94	1.70	0.28	27.02	68.36
H10																	
	H10NP001	0.75	0.10	0.00	0.50	0.00	0.00	1.10	2.45								
	H10NP002	0.83	0.11	0.00	0.50	0.00	0.00	1.22	2.66								
	H10NP003	0.97	0.13	0.00	0.75	0.00	0.00	1.42	3.27								
	H10NP004	1.34	0.18	0.00	0.75	0.00	0.00	1.97	4.24								
	H10NP005	1.91	0.26	0.00	1.00	0.00	0.00	2.80	5.97								
	H10NP006	2.64	0.36	0.00	1.00	0.00	0.00	3.87	7.87								
	H10NP007	3.42	0.47	0.00	1.00	0.00	0.00	5.02	9.91								
	H10NP008	3.90	0.53	0.00	1.25	0.00	0.00	5.73	11.41								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
H10	***cont.***																
	H10NP009	4.87	0.67	0.00	1.25	0.00	0.00	7.15	13.94								
	H10NP010	5.98	0.82	0.00	1.50	0.00	0.00	8.77	17.07								
	H10NP011	7.12	0.97	0.00	2.00	0.00	0.00	10.44	20.53								
	H10NP012	8.45	1.16	0.00	2.50	0.00	0.00	12.40	24.51								
	H10NP013	11.55	1.58	0.00	3.00	0.00	0.00	16.95	33.08								
	H10NP014	16.13	2.21	0.00	3.50	0.00	0.00	23.67	45.51								
H13																	
	H13AY007	10.85	2.33	0.00	0.00	0.00	0.00	14.33	27.51								
	H13AY008	5.36	1.15	0.00	0.00	0.00	0.00	7.08	13.59								
	H13AY009	9.65	2.07	0.00	0.00	0.00	0.00	12.75	24.47								
	H13AY010	4.95	1.06	0.00	0.00	0.00	0.00	6.54	12.55								
	H13AY011	8.08	1.74	0.00	0.00	0.00	0.00	10.68	20.50								
	H13AY012	4.16	0.89	0.00	0.00	0.00	0.00	5.50	10.55								
	H13AY013	6.49	1.39	0.00	0.00	0.00	0.00	8.57	16.45								
	H13AY014	3.51	0.75	0.00	0.00	0.00	0.00	4.63	8.89								
	H13AY015	3.82	0.82	0.00	0.00	0.00	0.00	5.05	9.69								
	H13AY016	2.49	0.54	0.00	0.00	0.00	0.00	3.29	6.32								
	H13AY017	12.01	2.58	0.00	0.00	0.00	0.00	15.87	30.46								
	H13AY018	6.16	1.32	0.00	0.00	0.00	0.00	8.14	15.62								
	H13AY019	0.79	0.17	0.03	0.27	0.00	0.00	1.04	2.30								
	H13AY020	1.02	0.22	0.03	0.27	0.00	0.00	1.34	2.88								
	H13AY021	13.54	2.67	0.00	0.00	0.25	0.04	15.00	31.50								
	H13AY022	7.29	1.45	0.00	0.00	0.25	0.04	8.09	17.12								
	H13AY023	12.35	2.44	0.00	0.00	0.25	0.04	13.68	28.76								
	H13AY024	6.52	1.30	0.00	0.00	0.25	0.04	7.23	15.34								
	H13AY025	11.00	2.18	0.00	0.00	0.25	0.04	12.19	25.66								
	H13AY026	6.00	1.20	0.00	0.00	0.25	0.04	6.66	14.15								
	H13AY027	9.25	1.84	0.00	0.00	0.25	0.04	10.26	21.64								
	H13AY028	5.09	1.02	0.00	0.00	0.25	0.04	5.65	12.05								
	H13AY029	7.49	1.49	0.00	0.00	0.25	0.04	8.30	17.57								
	H13AY030	4.32	0.87	0.00	0.00	0.25	0.04	4.80	10.28								
	H13AY031	4.63	0.93	0.00	0.00	0.25	0.04	5.14	10.99								
	H13AY032	3.21	0.65	0.00	0.00	0.25	0.04	3.57	7.72								
	H13BB001	5.49	0.50	0.31	0.91	0.00	0.00	7.59	14.80								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
H13	***cont.***																
	H13BB002	6.89	0.62	0.46	1.24	0.00	0.00	9.52	18.73								
	H13BC003	3.64	0.36	0.15	0.09	0.00	0.00	3.74	7.98								
	H13BC006	3.58	0.35	0.09	0.05	0.00	0.00	3.68	7.75								
	H13BC007	4.57	0.45	0.09	0.05	0.00	0.00	4.70	9.86								
	H13BC008	5.42	0.53	0.15	0.09	0.00	0.00	5.57	11.76								
	H13BC009	3.83	0.38	0.09	0.05	0.00	0.00	3.94	8.29								
	H13BC010	2.67	0.26	0.09	0.05	0.00	0.00	2.75	5.82								
	H13BC011	3.02	0.30	0.15	0.09	0.00	0.00	3.11	6.67								
	H13BC012	2.47	0.24	0.09	0.05	0.00	0.00	2.54	5.39								
	H13BC013	2.24	0.22	0.09	0.05	0.00	0.00	2.30	4.90								
	H13CB001	1.57	0.31	0.15	0.34	0.00	0.00	1.74	4.11								
	H13CB002	1.79	0.35	0.31	0.43	0.00	0.00	1.98	4.86								
	H13CF001	17.53	4.45	1.53	0.90	0.00	0.00	23.16	47.57								
	H13CF002	19.25	4.88	1.53	0.90	0.00	0.00	25.44	52.00								
	H13CF003	22.68	5.75	1.53	0.90	0.00	0.00	29.97	60.83								
	H13CN001	4.81	0.96	0.61	1.32	0.15	0.02	6.66	14.53								
	H13CN002	8.12	1.60	1.22	2.15	0.15	0.02	11.23	24.49								
	H13CN003	9.54	1.88	2.29	2.21	0.15	0.02	13.19	29.28								
	H13CO002	0.79	0.15	0.15	0.34	0.00	0.00	0.87	2.30								
	H13CO003	1.18	0.30	0.09	0.30	0.00	0.00	1.56	3.43								
	H13CO004	2.19	0.56	0.09	0.55	0.00	0.00	2.89	6.28								
	H13CO005	3.42	0.87	0.09	0.55	0.00	0.00	4.52	9.45								
	H13CO006	2.57	0.65	0.09	0.40	0.00	0.00	3.40	7.11								
	H13HR001	3.93	0.84	0.02	0.26	0.00	0.00	5.19	10.24								
	H13HR002	4.32	0.93	0.05	0.18	0.00	0.00	5.71	11.19								
	H13HR003	11.25	2.22	0.03	2.02	0.15	0.02	12.46	28.15								
	H13MN001	18.18	3.60	4.58	5.43	0.44	0.07	22.66	54.96								
	H13MN002	22.27	4.42	6.11	7.24	0.57	0.09	27.75	68.45								
	H13MN003	22.55	4.47	6.11	8.24	0.57	0.09	28.10	70.13								
	H13MN004	31.76	6.27	9.16	10.85	0.57	0.09	39.55	98.25								
	H13PI001	0.83	0.17	1.30	0.37	0.06	0.01	0.92	3.66								
	H13PI002	0.86	0.17	0.23	0.14	0.06	0.01	0.96	2.43								
	H13PI003	0.94	0.18	0.46	0.27	0.00	0.00	1.03	2.88								
	H13PO001	41.05	8.03	1.68	2.89	0.00	0.00	56.69	110.34								
	H13PR001	6.08	1.31	0.09	0.05	0.00	0.00	8.03	15.56								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
H13	***cont.***																
	H13PR002	7.01	1.40	0.09	1.55	0.25	0.04	7.77	18.11								
	H13PR003	11.17	2.40	0.15	0.09	0.00	0.00	14.76	28.57								
	H13PR004	12.77	2.52	0.15	1.59	0.25	0.04	14.15	31.47								
	H13PR005	15.48	3.33	0.15	0.09	0.00	0.00	20.46	39.51								
	H13PR006	17.68	3.48	0.15	1.59	0.25	0.04	19.58	42.77								
	H13PR007	34.65	7.45	0.31	0.18	0.00	0.00	45.78	88.37								
	H13PR008	37.58	7.47	0.31	2.18	1.10	0.18	41.66	90.48								
	H13PR009	8.15	1.62	0.03	1.52	0.25	0.04	9.03	20.64								
	H13PR010	8.36	1.66	0.03	1.52	0.25	0.04	9.27	21.13								
	H13PR011	10.39	2.06	0.06	1.54	0.25	0.04	11.51	25.85								
	H13PR012	11.03	2.18	0.06	1.54	0.25	0.04	12.22	27.32								
	H13PR013	12.43	2.46	0.06	1.54	0.25	0.04	13.77	30.55								
	H13PR014	13.82	2.73	0.09	1.55	0.25	0.04	15.31	33.79								
	H13PR015	15.98	3.15	0.09	1.55	0.25	0.04	17.69	38.75								
	H13PR016	8.79	1.74	0.24	1.39	0.25	0.04	9.74	22.19								
	H13PR017	12.76	2.52	0.31	1.43	0.25	0.04	14.13	31.44								
	H13PR018	18.62	3.67	0.46	1.77	0.25	0.04	20.62	45.43								
	H13PR019	26.21	5.15	0.61	1.86	0.25	0.04	29.01	63.13								
	H13PR020	7.04	1.51	0.03	0.02	0.00	0.00	9.30	17.90								
	H13PR021	7.24	1.56	0.03	0.02	0.00	0.00	9.57	18.42								
	H13PR022	9.07	1.95	0.06	0.04	0.00	0.00	11.99	23.11								
	H13PR023	9.64	2.07	0.03	0.02	0.00	0.00	12.74	24.50								
	H13PR024	10.92	2.35	0.06	0.04	0.00	0.00	14.42	27.79								
	H13PR025	12.15	2.61	0.09	0.05	0.00	0.00	16.05	30.95								
	H13PR026	14.17	3.05	0.09	0.05	0.00	0.00	18.72	36.08								
	H13PR027	7.64	1.64	0.24	0.14	0.00	0.00	10.10	19.76								
	H13PR028	11.30	2.43	0.31	0.18	0.00	0.00	14.93	29.15								
	H13PR029	16.87	3.63	0.46	0.27	0.00	0.00	22.29	43.52								
	H13PR030	23.80	5.12	0.61	0.36	0.00	0.00	31.45	61.34								
	H13SH001	2.99	0.58	0.61	0.32	0.00	0.00	3.71	8.21								
	H13SH002	2.76	0.54	0.61	0.32	0.00	0.00	3.43	7.66								
	H13SH003	5.52	1.08	1.22	0.65	0.00	0.00	6.87	15.34								
	H13SH004	5.83	1.14	1.22	0.65	0.00	0.00	7.25	16.09								
	H13SH005	9.98	1.95	3.06	1.62	0.00	0.00	12.42	29.03								
	H13SH006	31.89	6.24	9.16	4.85	0.00	0.00	39.65	91.79								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
H13	***cont.***																
	H13SH007	40.42	7.90	18.33	9.71	0.00	0.00	50.26	126.62								
H20																	
	H20BE001	1.18	0.23	0.00	0.10	0.00	0.00	1.38	2.89								
	H20BE002	1.52	0.30	0.00	0.20	0.00	0.00	1.79	3.81								
	H20BE003	1.97	0.38	0.00	0.30	0.00	0.00	2.31	4.96								
	H20BE004	2.93	0.57	0.00	0.40	0.00	0.00	3.44	7.34								
	H20SK001	9.41	1.84	3.04	0.86	0.00	0.00	11.05	26.20								
	H20SK002	12.72	2.48	3.04	0.86	0.00	0.00	14.95	34.05								
	H20SK003	19.59	3.82	3.95	1.12	0.00	0.00	23.02	51.50								
	H20SK004	23.18	4.52	4.55	1.28	0.00	0.00	27.24	60.77								
H25																	
	H25AX001	0.84	0.11	0.00	0.00	0.00	0.00	1.16	2.11								
	H25AX002	0.92	0.11	0.00	0.00	0.00	0.00	1.26	2.29								
	H25AX003	1.03	0.13	0.00	0.00	0.00	0.00	1.43	2.59								
	H25AX004	1.18	0.15	0.00	0.00	0.00	0.00	1.63	2.96								
	H25AX005	1.14	0.14	0.00	0.00	0.00	0.00	1.57	2.85								
	H25AX006	1.29	0.16	0.00	0.00	0.00	0.00	1.78	3.23								
	H25BS001	0.55	0.07	0.00	0.00	0.00	0.00	0.64	1.26								
	H25BS002	0.63	0.09	0.00	0.00	0.00	0.00	0.74	1.46								
	H25BS003	0.69	0.09	0.00	0.00	0.00	0.00	0.81	1.59								
	H25BS004	0.85	0.12	0.00	0.00	0.00	0.00	1.00	1.97								
	H25BS005	1.32	0.18	0.00	0.00	0.00	0.00	1.56	3.06								
	H25CA020	7.38	1.75	2.40	1.07	0.00	0.00	8.15	20.75	9.22	1.78	3.20	1.43	0.00	0.00	11.65	27.28
	H25CA021	7.91	1.87	2.55	1.14	0.00	0.00	8.74	22.21	9.89	1.91	3.40	1.52	0.00	0.00	12.49	29.21
	H25CA022	12.51	3.17	3.89	1.74	0.00	0.00	14.81	36.12	15.01	3.23	5.18	2.32	0.00	0.00	19.98	45.72
	H25CA023	13.93	3.53	3.89	1.74	0.00	0.00	16.49	39.58	16.72	3.59	5.18	2.32	0.00	0.00	22.26	50.07
	H25CA025	17.45	4.43	5.10	2.28	0.00	0.00	20.66	49.92	20.94	4.50	6.80	3.04	0.00	0.00	27.88	63.16
	H25CA027	21.04	5.34	6.74	3.01	0.00	0.00	24.90	61.03	25.24	5.43	8.99	4.02	0.00	0.00	33.61	77.29
	H25CA029	22.28	7.49	8.68	2.25	0.00	0.00	34.12	74.82	26.73	7.58	11.58	3.00	0.00	0.00	44.66	93.55
	H25CA030	36.46	12.25	12.99	3.36	0.00	0.00	55.85	120.91	43.75	12.41	17.33	4.49	0.00	0.00	73.10	151.08
	H25CA031	38.25	12.85	12.99	3.67	0.00	0.00	63.89	131.65	45.90	13.02	17.33	4.89	0.00	0.00	83.05	164.19
	H25CS004	9.29	2.20	3.04	1.36	0.00	0.00	10.25	26.14	11.61	2.24	4.05	1.81	0.00	0.00	14.66	34.37
	H25CS005	10.95	2.59	3.13	1.40	0.00	0.00	12.09	30.16	13.69	2.64	4.17	1.86	0.00	0.00	17.29	39.65
	H25CS006	11.81	3.00	3.89	1.74	0.00	0.00	13.98	34.42	14.17	3.05	5.18	2.32	0.00	0.00	18.87	43.59

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
H25	***cont.***																
	H25CS007	15.23	3.86	4.92	2.20	0.00	0.00	18.03	44.24	18.27	3.93	6.56	2.93	0.00	0.00	24.33	56.02
	H25CS008	18.59	4.71	7.29	3.26	0.00	0.00	22.00	55.85	22.31	4.79	9.72	4.35	0.00	0.00	29.70	70.87
	H25CS009	27.95	7.09	9.11	4.07	0.00	0.00	33.09	81.31	33.54	7.21	12.14	5.43	0.00	0.00	44.65	102.97
	H25FI012	11.04	2.80	5.01	2.24	0.00	0.00	13.07	34.16	13.25	2.85	6.68	2.99	0.00	0.00	17.64	43.41
	H25FI013	12.08	3.07	5.71	2.55	0.00	0.00	14.31	37.72	14.50	3.12	7.61	3.40	0.00	0.00	19.31	47.94
	H25FI014	15.32	3.89	6.53	2.92	0.00	0.00	18.14	46.80	18.39	3.95	8.70	3.89	0.00	0.00	24.48	59.41
	H25HI001	9.72	2.30	2.19	0.98	0.00	0.00	10.73	25.92	12.15	2.35	2.91	1.30	0.00	0.00	15.34	34.05
	H25HI002	12.14	2.87	3.28	1.47	0.00	0.00	13.40	33.16	15.17	2.93	4.37	1.95	0.00	0.00	19.16	43.58
	H25HI003	11.89	2.81	2.88	1.29	0.00	0.00	13.13	32.00	14.86	2.87	3.85	1.72	0.00	0.00	18.76	42.06
	H25HI005	13.71	3.48	4.01	1.79	0.00	0.00	16.23	39.22	16.45	3.54	5.34	2.39	0.00	0.00	21.90	49.62
	H25HI009	18.34	4.65	4.89	2.19	0.00	0.00	21.71	51.78	22.00	4.73	6.52	2.92	0.00	0.00	29.29	65.46
	H25HI010	19.00	4.82	4.89	2.19	0.00	0.00	22.49	53.39	22.79	4.90	6.52	2.92	0.00	0.00	30.35	67.48
	H25HI011	31.08	7.88	8.99	4.02	0.00	0.00	36.80	88.77	37.30	8.02	11.98	5.36	0.00	0.00	49.66	112.32
	H25HI012	32.33	8.20	8.99	4.02	0.00	0.00	38.27	91.81	38.79	8.34	11.98	5.36	0.00	0.00	51.64	116.11
	H25HI019	38.99	13.10	12.57	3.25	0.00	0.00	59.73	127.64	46.79	13.28	16.76	4.34	0.00	0.00	78.17	159.34
	H25HI020	72.79	24.46	30.36	7.86	0.00	0.00	111.50	246.97	87.35	24.78	40.48	10.48	0.00	0.00	145.93	309.02
	H25HI021	157.50	52.93	53.43	15.09	0.00	0.00	263.11	542.06	189.00	53.62	71.24	20.12	0.00	0.00	341.97	675.95
	H25HU001	7.59	1.79	3.07	1.37	0.00	0.00	8.38	22.20	9.48	1.83	4.09	1.83	0.00	0.00	11.98	29.21
	H25HU002	8.26	2.09	3.83	1.71	0.00	0.00	9.78	25.67	9.91	2.13	5.10	2.28	0.00	0.00	13.19	32.61
	H25HU003	11.31	2.87	5.56	2.49	0.00	0.00	13.38	35.61	13.57	2.92	7.41	3.31	0.00	0.00	18.06	45.27
	H25HU004	13.25	3.36	6.98	3.12	0.00	0.00	15.69	42.40	15.90	3.42	9.31	4.16	0.00	0.00	21.17	53.96
	H25HU005	16.38	4.15	9.02	4.03	0.00	0.00	19.39	52.97	19.66	4.22	12.02	5.37	0.00	0.00	26.17	67.44
	H25JD006	9.95	2.35	2.88	1.29	0.00	0.00	10.99	27.46	12.44	2.40	3.85	1.72	0.00	0.00	15.71	36.12
	H25JD013	8.92	2.11	2.58	1.15	0.00	0.00	9.84	24.60	11.15	2.15	3.44	1.54	0.00	0.00	14.07	32.35
	H25JD014	14.67	3.47	2.88	1.29	0.00	0.00	16.20	38.51	18.34	3.54	3.85	1.72	0.00	0.00	23.15	50.60
	H25JD015	11.14	2.83	3.95	1.77	0.00	0.00	13.19	32.88	13.37	2.87	5.26	2.35	0.00	0.00	17.79	41.64
	H25JD016	14.09	3.57	4.71	2.11	0.00	0.00	16.68	41.16	16.91	3.64	6.27	2.80	0.00	0.00	22.51	52.13
	H25JD017	15.64	3.97	5.01	2.24	0.00	0.00	18.51	45.37	18.77	4.03	6.68	2.99	0.00	0.00	24.98	57.45
	H25JD018	17.86	4.53	6.68	2.99	0.00	0.00	21.14	53.20	21.43	4.61	8.91	3.98	0.00	0.00	28.53	67.46
	H25JD019	27.48	6.97	8.65	3.87	0.00	0.00	32.53	79.50	32.97	7.09	11.54	5.16	0.00	0.00	43.89	100.65
	H25JD020	8.91	2.11	2.73	1.22	0.00	0.00	9.83	24.80	11.13	2.15	3.64	1.63	0.00	0.00	14.06	32.61
	H25JD021	11.68	2.96	4.25	1.90	0.00	0.00	13.82	34.61	14.01	3.01	5.67	2.54	0.00	0.00	18.66	43.89
	H25KC003	2.18	0.52	0.43	0.19	0.00	0.00	2.41	5.73	2.72	0.53	0.58	0.26	0.00	0.00	3.44	7.53
	H25KC004	2.98	0.71	0.64	0.29	0.00	0.00	3.29	7.91	3.73	0.72	0.85	0.38	0.00	0.00	4.71	10.39
	H25KC005	3.42	0.81	0.79	0.35	0.00	0.00	3.78	9.15	4.28	0.83	1.05	0.47	0.00	0.00	5.40	12.03

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
H25	***cont.***																
	H25KC007	6.71	1.59	2.61	1.17	0.00	0.00	7.40	19.48	8.38	1.62	3.48	1.56	0.00	0.00	10.58	25.62
	H25KC008	9.73	2.30	3.13	1.40	0.00	0.00	10.75	27.31	12.17	2.35	4.17	1.86	0.00	0.00	15.36	35.91
	H25KC009	11.60	2.94	4.28	1.91	0.00	0.00	13.73	34.46	13.92	2.99	5.71	2.55	0.00	0.00	18.53	43.70
	H25KC010	13.48	3.42	5.31	2.37	0.00	0.00	15.95	40.53	16.17	3.48	7.08	3.17	0.00	0.00	21.53	51.43
	H25KC011	19.11	4.85	7.23	3.23	0.00	0.00	22.62	57.04	22.93	4.93	9.63	4.31	0.00	0.00	30.52	72.32
	H25KC012	25.84	6.55	9.29	4.15	0.00	0.00	30.59	76.42	31.01	6.67	12.39	5.54	0.00	0.00	41.28	96.89
	H25KC014	6.35	1.50	1.64	0.73	0.00	0.00	7.01	17.23	7.94	1.53	2.19	0.98	0.00	0.00	10.02	22.66
	H25KC015	19.38	6.51	9.29	2.40	0.00	0.00	29.69	67.27	23.26	6.60	12.39	3.21	0.00	0.00	38.86	84.32
	H25KM001	10.90	2.58	2.55	1.14	0.00	0.00	12.04	29.21	13.63	2.63	3.40	1.52	0.00	0.00	17.21	38.39
	H25KM003	14.43	3.66	4.04	1.81	0.00	0.00	17.09	41.03	17.32	3.72	5.38	2.41	0.00	0.00	23.06	51.89
	H25KM004	16.45	4.17	4.80	2.15	0.00	0.00	19.47	47.04	19.73	4.24	6.40	2.86	0.00	0.00	26.27	59.50
	H25KM005	22.34	5.67	6.28	2.81	0.00	0.00	26.44	63.54	26.80	5.76	8.38	3.75	0.00	0.00	35.68	80.37
	H25KM006	37.19	12.50	12.27	3.18	0.00	0.00	56.97	122.11	44.63	12.66	16.35	4.23	0.00	0.00	74.55	152.42
	H25KM007	55.82	18.76	16.46	4.65	0.00	0.00	93.25	188.94	66.98	19.01	21.94	6.20	0.00	0.00	121.20	235.33
	H25KM008	55.98	18.81	16.46	4.65	0.00	0.00	93.52	189.42	67.18	19.06	21.94	6.20	0.00	0.00	121.55	235.93
	H25KN001	3.82	0.48	0.00	0.50	0.00	0.00	5.28	10.08								
	H25KN002	5.29	0.66	0.00	0.50	0.00	0.00	7.31	13.76								
	H25KN003	6.47	0.81	0.00	0.50	0.00	0.00	8.93	16.71								
	H25KN004	8.39	1.05	0.00	0.50	0.00	0.00	11.59	21.53								
	H25KN005	10.55	1.32	0.00	1.00	0.00	0.00	14.58	27.45								
	H25KN006	14.97	1.88	0.00	1.00	0.00	0.00	20.67	38.52								
	H25KN007	0.54	0.07	0.00	0.15	0.00	0.00	0.74	1.50								
	H25KN009	1.09	0.14	0.00	0.15	0.00	0.00	1.51	2.89								
	H25KN010	1.63	0.20	0.00	0.15	0.00	0.00	2.25	4.23								
	H25KU001	1.89	0.45	0.67	0.30	0.00	0.00	2.09	5.40	2.36	0.46	0.89	0.40	0.00	0.00	2.98	7.09
	H25KU002	2.38	0.56	0.82	0.37	0.00	0.00	2.62	6.75	2.97	0.57	1.09	0.49	0.00	0.00	3.75	8.87
	H25KU003	2.80	0.66	0.83	0.37	0.00	0.00	3.09	7.75	3.50	0.67	1.11	0.50	0.00	0.00	4.41	10.19
	H25KU004	4.34	1.03	1.31	0.59	0.00	0.00	4.79	12.06	5.42	1.05	1.74	0.78	0.00	0.00	6.85	15.84
	H25KU012	3.19	0.75	1.31	0.59	0.00	0.00	3.52	9.36	3.99	0.77	1.74	0.78	0.00	0.00	5.03	12.31
	H25LB001	6.51	1.54	1.76	0.79	0.00	0.00	7.19	17.79	8.14	1.57	2.35	1.05	0.00	0.00	10.28	23.39
	H25LB002	8.71	2.06	2.64	1.18	0.00	0.00	9.62	24.21	10.89	2.10	3.52	1.57	0.00	0.00	13.75	31.83
	H25LB003	10.29	2.43	3.04	1.36	0.00	0.00	11.36	28.48	12.87	2.48	4.05	1.81	0.00	0.00	16.25	37.46
	H25LB004	11.16	2.83	3.79	1.69	0.00	0.00	13.22	32.69	13.40	2.88	5.06	2.26	0.00	0.00	17.83	41.43
	H25LB005	14.09	3.57	4.65	2.08	0.00	0.00	16.68	41.07	16.91	3.64	6.19	2.77	0.00	0.00	22.52	52.03
	H25LB006	17.32	4.39	6.50	2.91	0.00	0.00	20.50	51.62	20.78	4.47	8.66	3.87	0.00	0.00	27.66	65.44

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
H25	***cont.***																
	H25LB007	26.13	6.63	8.50	3.80	0.00	0.00	30.93	75.99	31.36	6.74	11.33	5.07	0.00	0.00	41.75	96.25
	H25LU001	2.50	0.31	0.00	0.40	0.00	0.00	3.11	6.32								
	H25LU002	3.36	0.42	0.00	0.50	0.00	0.00	4.18	8.46								
	H25LU003	5.28	0.66	0.00	0.80	0.00	0.00	6.57	13.31								
	H25LU004	6.76	0.85	0.00	0.90	0.00	0.00	8.40	16.91								
	H25LU005	7.20	0.90	0.00	1.10	0.00	0.00	8.95	18.15								
	H25LU006	10.67	1.34	0.00	1.50	0.00	0.00	13.27	26.78								
	H25LU007	8.74	1.10	0.00	1.40	0.00	0.00	10.86	22.10								
	H25LU008	12.12	1.52	0.00	1.60	0.00	0.00	15.07	30.31								
	H25LU009	12.62	1.58	0.00	1.70	0.00	0.00	15.70	31.60								
	H25LU010	15.81	1.98	0.00	2.00	0.00	0.00	19.66	39.45								
	H25LU011	15.13	1.90	0.00	2.00	0.00	0.00	18.81	37.84								
	H25LU012	19.18	2.41	0.00	2.50	0.00	0.00	23.85	47.94								
	H25LU013	19.22	2.41	0.00	2.60	0.00	0.00	23.90	48.13								
	H25LU014	23.14	2.90	0.00	3.00	0.00	0.00	28.78	57.82								
	H25LU015	21.46	2.69	0.00	3.00	0.00	0.00	26.69	53.84								
	H25LU016	26.41	3.31	0.00	3.60	0.00	0.00	32.84	66.16								
	H25LU023	1.31	0.18	0.00	0.25	0.00	0.00	1.54	3.28								
	H25LU024	1.92	0.26	0.00	0.30	0.00	0.00	2.25	4.73								
	H25LU025	2.37	0.32	0.00	0.40	0.00	0.00	2.78	5.87								
	H25LU026	2.71	0.37	0.00	0.50	0.00	0.00	3.18	6.76								
	H25LU027	3.04	0.42	0.00	0.60	0.00	0.00	3.58	7.64								
	H25LU028	3.91	0.54	0.00	0.70	0.00	0.00	4.60	9.75								
	H25LU029	3.07	0.42	0.00	0.40	0.00	0.00	3.60	7.49								
	H25LU030	4.74	0.65	0.00	0.60	0.00	0.00	5.57	11.56								
	H25LU031	7.83	1.07	0.00	1.20	0.00	0.00	9.20	19.30								
	H25LU032	9.39	1.29	0.00	1.40	0.00	0.00	11.03	23.11								
	H25LU033	4.26	0.58	0.00	0.60	0.00	0.00	5.00	10.44								
	H25LU034	5.74	0.79	0.00	0.80	0.00	0.00	6.74	14.07								
	H25LU035	6.10	0.84	0.00	0.90	0.00	0.00	7.17	15.01								
	H25LU036	6.46	0.88	0.00	1.00	0.00	0.00	7.59	15.93								
	H25LU040	11.74	1.47	0.00	0.75	0.00	0.00	16.21	30.17								
	H25LU041	14.89	1.87	0.00	0.75	0.00	0.00	20.56	38.07								
	H25LU042	18.07	2.27	0.00	1.50	0.00	0.00	24.96	46.80								
	H25LU045	2.86	0.36	0.00	0.50	0.00	0.00	3.95	7.67								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
H25	***cont.***																
	H25LU046	3.06	0.38	0.00	0.50	0.00	0.00	4.23	8.17								
	H25LU047	3.56	0.45	0.00	0.60	0.00	0.00	4.91	9.52								
	H25LU048	3.95	0.50	0.00	0.70	0.00	0.00	5.46	10.61								
	H25LU049	4.79	0.60	0.00	0.80	0.00	0.00	6.61	12.80								
	H25LU050	5.84	0.73	0.00	0.90	0.00	0.00	8.07	15.54								
	H25LU053	13.31	1.67	0.00	0.75	0.00	0.00	18.39	34.12								
	H25LU054	16.39	2.06	0.00	0.75	0.00	0.00	22.64	41.84								
	H25OK001	30.71	10.32	12.14	3.43	0.00	0.00	51.31	107.91	36.85	10.46	16.19	4.57	0.00	0.00	66.68	134.75
	H25SS005	7.78	1.84	3.01	1.35	0.00	0.00	8.59	22.57	9.72	1.88	4.01	1.79	0.00	0.00	12.27	29.67
	H25SS006	10.45	2.65	4.34	1.94	0.00	0.00	12.36	31.74	12.53	2.69	5.79	2.59	0.00	0.00	16.69	40.29
	H25SS007	13.59	3.45	5.40	2.41	0.00	0.00	16.09	40.94	16.31	3.51	7.21	3.22	0.00	0.00	21.71	51.96
	H25SS008	16.40	4.16	7.50	3.35	0.00	0.00	19.41	50.82	19.68	4.23	10.00	4.47	0.00	0.00	26.19	64.57
	H25TK001	1.47	0.35	0.24	0.11	0.00	0.00	1.63	3.80	1.84	0.36	0.32	0.14	0.00	0.00	2.32	4.98
	H25TK002	2.00	0.47	0.49	0.22	0.00	0.00	2.21	5.39	2.50	0.48	0.65	0.29	0.00	0.00	3.16	7.08
	H25TK004	2.54	0.60	0.79	0.35	0.00	0.00	2.80	7.08	3.17	0.61	1.05	0.47	0.00	0.00	4.00	9.30
	H25TK005	2.95	0.70	1.00	0.45	0.00	0.00	3.26	8.36	3.69	0.71	1.34	0.60	0.00	0.00	4.66	11.00
	H25TK006	4.21	1.00	1.31	0.59	0.00	0.00	4.64	11.75	5.26	1.02	1.74	0.78	0.00	0.00	6.64	15.44
	H25TK007	5.85	1.38	1.70	0.76	0.00	0.00	6.46	16.15	7.31	1.41	2.27	1.01	0.00	0.00	9.24	21.24
	H25WN001	1.42	0.19	0.00	0.00	0.00	0.00	1.67	3.28								
H30																	
	H30CA005	17.83	3.20	3.65	1.55	0.57	0.09	13.25	40.14	21.95	3.28	4.71	2.00	0.72	0.12	17.93	50.71
	H30GA001	15.92	2.85	5.00	2.12	0.49	0.08	11.82	38.28	19.59	2.93	6.28	2.66	0.60	0.10	16.00	48.16
	H30GA003	14.63	2.62	2.39	1.01	0.39	0.06	10.86	31.96	18.00	2.69	2.92	1.24	0.49	0.08	14.70	40.12
	H30GA004	16.17	2.90	2.39	1.01	0.45	0.07	12.01	35.00	19.90	2.97	2.92	1.24	0.56	0.09	16.25	43.93
	H30GA006	23.73	4.25	5.54	2.34	0.64	0.11	17.62	54.23	29.21	4.36	6.98	2.95	0.80	0.13	23.85	68.28
	H30LH001	12.11	2.43	2.82	1.19	0.63	0.10	10.15	29.43	15.13	2.50	3.64	1.54	0.77	0.13	13.75	37.46
H35																	
	H35HI002	86.09	25.93	30.36	8.57	0.00	0.00	143.82	294.77	98.39	26.18	40.48	11.43	0.00	0.00	178.03	354.51
	H35HI003	177.20	53.37	53.43	15.09	0.00	0.00	296.04	595.13	202.52	53.89	71.24	20.12	0.00	0.00	366.44	714.21
	H35HI004	48.02	14.46	12.57	3.55	0.00	0.00	80.23	158.83	54.88	14.60	16.76	4.73	0.00	0.00	99.31	190.28
	H35OK001	47.03	14.16	15.06	4.25	0.00	0.00	78.56	159.06	53.75	14.30	20.08	5.67	0.00	0.00	97.25	191.05
	H35OK003	87.39	26.32	25.99	7.34	0.00	0.00	146.00	293.04	99.88	26.58	34.65	9.78	0.00	0.00	180.72	351.61
	H35OK004	120.87	36.40	34.91	9.86	0.00	0.00	201.93	403.97	138.14	36.76	46.55	13.15	0.00	0.00	249.95	484.55
	H35OK005	257.27	77.48	62.54	17.66	0.00	0.00	429.79	844.74	294.02	78.24	83.39	23.55	0.00	0.00	532.01	1,011.21

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
L10																	
	L10BS002	1.87	0.40	0.00	0.30	0.00	0.00	2.46	5.03	2.66	0.42	0.00	0.30	0.00	0.00	3.90	7.28
	L10BS004	0.64	0.14	0.00	0.25	0.00	0.00	0.85	1.88	0.92	0.14	0.00	0.25	0.00	0.00	1.35	2.66
	L10BS005	1.71	0.37	0.00	0.30	0.00	0.00	2.25	4.63	2.44	0.38	0.00	0.30	0.00	0.00	3.57	6.69
	L10BS006	2.70	0.58	0.00	0.40	0.00	0.00	3.56	7.24	3.86	0.60	0.00	0.40	0.00	0.00	5.65	10.51
	L10BS007	2.40	0.52	0.00	0.50	0.00	0.00	3.16	6.58	3.43	0.54	0.00	0.50	0.00	0.00	5.02	9.49
	L10BU005	0.53	0.11	0.00	1.10	0.00	0.00	0.69	2.43	0.75	0.12	0.00	1.10	0.00	0.00	1.10	3.07
	L10BU009	0.32	0.07	0.00	0.90	0.00	0.00	0.42	1.71	0.46	0.07	0.00	0.90	0.00	0.00	0.67	2.10
	L10BU010	0.42	0.09	0.00	0.80	0.00	0.00	0.55	1.86	0.60	0.09	0.00	0.80	0.00	0.00	0.88	2.37
	L10BU011	0.87	0.19	0.00	1.50	0.00	0.00	1.15	3.71	1.24	0.19	0.00	1.50	0.00	0.00	1.82	4.75
	L10BU012	1.10	0.24	0.00	2.00	0.00	0.00	1.45	4.79	1.57	0.25	0.00	2.00	0.00	0.00	2.30	6.12
	L10BU013	1.34	0.29	0.00	2.50	0.00	0.00	1.76	5.89	1.91	0.30	0.00	2.50	0.00	0.00	2.80	7.51
	L10RM004	2.51	0.54	0.00	0.40	0.00	0.00	3.31	6.76	3.59	0.56	0.00	0.40	0.00	0.00	5.26	9.81
	L10VE002	0.90	0.20	2.26	0.80	0.02	0.00	1.19	5.37	1.29	0.20	2.94	1.04	0.02	0.00	1.89	7.38
	L10VE005	0.66	0.14	0.87	0.31	0.03	0.00	0.87	2.88	0.94	0.15	1.13	0.40	0.03	0.00	1.38	4.03
	L10VE006	1.60	0.35	0.87	0.31	0.03	0.00	2.11	5.27	2.28	0.36	1.13	0.40	0.03	0.00	3.35	7.55
	L10VE007	1.55	0.33	0.00	1.50	0.00	0.00	2.05	5.43	2.22	0.35	0.00	1.50	0.00	0.00	3.25	7.32
	L10VE009	1.80	0.39	4.33	1.53	0.03	0.00	2.38	10.46	2.57	0.41	5.63	1.99	0.03	0.00	3.77	14.40
	L10VE010	0.87	0.19	1.67	0.59	0.02	0.00	1.16	4.50	1.25	0.20	2.16	0.76	0.03	0.00	1.83	6.23
L15																	
	L15EX001	3.85	0.35	2.22	0.63	0.08	0.01	3.73	10.87								
	L15EX002	4.19	0.39	0.87	0.25	0.08	0.01	4.07	9.86								
	L15EX004	4.28	0.39	1.06	0.30	0.08	0.01	4.15	10.27								
	L15EX008	6.28	0.58	1.09	0.31	0.19	0.03	6.10	14.58								
	L15EX010	5.04	0.46	4.80	1.36	0.08	0.01	4.88	16.63								
	L15EX011	5.19	0.48	1.43	0.40	0.08	0.01	5.03	12.62								
	L15EX012	5.57	0.52	3.37	0.95	0.19	0.03	5.42	16.05								
	L15EX013	6.25	0.58	5.77	1.63	0.13	0.02	6.07	20.45								
	L15EX014	1.02	0.10	1.78	0.50	0.05	0.01	1.00	4.46								
	L15EX015	1.54	0.15	1.95	0.55	0.10	0.02	1.50	5.81								
	L15EX016	2.31	0.22	2.22	0.63	0.10	0.02	2.25	7.75								
	L15FG001	9.17	0.83	4.11	1.16	0.00	0.00	8.87	24.14								
	L15TO001	0.17	0.02	0.53	0.15	0.00	0.00	0.17	1.04								
	L15TO002	0.43	0.04	0.71	0.20	0.04	0.01	0.42	1.85								
	L15TO003	0.89	0.08	1.51	0.43	0.04	0.01	0.86	3.82								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
L15	***cont.***																
	L15TO004	0.93	0.09	1.51	0.43	0.04	0.01	0.91	3.92								
	L15TO005	3.86	0.36	0.87	0.25	0.08	0.01	3.74	9.17								
	L15TO006	3.13	0.29	2.04	0.58	0.08	0.01	3.04	9.17								
	L15TO007	3.46	0.32	4.00	1.13	0.08	0.01	3.36	12.36								
	L15TO008	4.37	0.40	0.94	0.27	0.08	0.01	4.24	10.31								
	L15WI001	1.38	0.13	0.00	0.00	0.03	0.00	1.34	2.88								
L20																	
	L20AB012	1.47	0.29	0.49	0.14	0.05	0.01	3.47	5.92								
	L20AB013	1.24	0.24	0.67	0.19	0.03	0.00	2.93	5.30								
	L20AB014	1.12	0.22	0.49	0.14	0.03	0.00	2.63	4.63								
	L20AB015	0.58	0.12	0.00	0.00	0.03	0.00	1.37	2.10								
	L20AB016	0.61	0.12	0.00	0.00	0.03	0.00	1.44	2.20								
	L20AI001	0.43	0.08	0.38	0.11	0.01	0.00	1.01	2.02								
	L20AI002	1.53	0.30	0.45	0.13	0.03	0.00	3.61	6.05								
	L20AI003	1.71	0.33	0.65	0.18	0.03	0.00	4.04	6.94								
	L20AI004	2.27	0.44	0.63	0.18	0.03	0.00	5.36	8.91								
L25																	
	L25MB001	0.22	0.04	0.47	0.88	0.00	0.00	0.41	2.02								
	L25MB002	0.29	0.06	0.47	1.13	0.00	0.00	0.54	2.49								
	L25MB003	0.95	0.18	0.94	1.52	0.00	0.00	1.79	5.38								
	L25MB004	8.72	1.71	17.93	6.56	0.27	0.04	16.43	51.66								
	L25MB005	0.41	0.08	0.94	1.27	0.00	0.00	0.78	3.48								
	L25MB006	6.88	1.33	5.66	2.85	0.00	0.00	12.92	29.64								
	L25MB007	3.13	0.60	2.17	1.61	0.00	0.00	5.88	13.39								
	L25MB008	16.23	3.18	17.93	6.56	0.53	0.09	30.59	75.11								
L30																	
	L30KL001	2.09	0.48	0.30	0.10	0.29	0.05	3.10	6.41	2.61	0.49	0.40	0.13	0.36	0.06	4.27	8.32
	L30KL002	0.66	0.14	0.15	0.05	0.00	0.00	0.96	1.96	0.82	0.14	0.20	0.07	0.00	0.00	1.32	2.55
	L30KL003	0.85	0.18	0.09	0.03	0.00	0.00	1.24	2.39	1.06	0.19	0.12	0.04	0.00	0.00	1.71	3.12
	L30KL004	0.13	0.03	0.00	0.00	0.00	0.00	0.19	0.35	0.16	0.03	0.00	0.00	0.00	0.00	0.26	0.45
	L30KL005	0.65	0.14	0.00	0.00	0.00	0.00	0.96	1.75	0.82	0.14	0.00	0.00	0.00	0.00	1.32	2.28
	L30KL006	0.51	0.11	0.09	0.03	0.00	0.00	0.75	1.49	0.64	0.11	0.12	0.04	0.00	0.00	1.03	1.94
	L30KL007	0.70	0.15	0.15	0.05	0.00	0.00	1.02	2.07	0.87	0.15	0.20	0.07	0.00	0.00	1.40	2.69

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
L30	***cont.***																
	L30KL008	0.98	0.21	0.15	0.05	0.00	0.00	1.44	2.83	1.23	0.22	0.20	0.07	0.00	0.00	1.98	3.70
	L30KL009	0.10	0.02	0.00	0.00	0.00	0.00	0.15	0.27	0.12	0.02	0.00	0.00	0.00	0.00	0.20	0.34
	L30KL010	2.19	0.50	0.61	0.20	0.32	0.05	3.26	7.13	2.74	0.52	0.81	0.27	0.41	0.07	4.49	9.31
	L30KL011	0.77	0.17	0.24	0.08	0.00	0.00	1.13	2.39	0.96	0.17	0.32	0.11	0.00	0.00	1.55	3.11
	L30KL012	0.94	0.20	0.15	0.05	0.00	0.00	1.37	2.71	1.17	0.21	0.20	0.07	0.00	0.00	1.89	3.54
	L30KL013	0.13	0.03	0.00	0.00	0.00	0.00	0.19	0.35	0.16	0.03	0.00	0.00	0.00	0.00	0.26	0.45
	L30KL014	0.65	0.14	0.00	0.00	0.00	0.00	0.96	1.75	0.82	0.14	0.00	0.00	0.00	0.00	1.32	2.28
	L30KL015	0.62	0.13	0.09	0.03	0.00	0.00	0.91	1.78	0.78	0.14	0.12	0.04	0.00	0.00	1.26	2.34
	L30KL016	0.85	0.18	0.15	0.05	0.00	0.00	1.25	2.48	1.06	0.19	0.20	0.07	0.00	0.00	1.72	3.24
	L30KL017	1.15	0.25	0.24	0.08	0.00	0.00	1.69	3.41	1.44	0.25	0.32	0.11	0.00	0.00	2.32	4.44
	L30KL018	0.10	0.02	0.00	0.00	0.00	0.00	0.15	0.27	0.12	0.02	0.00	0.00	0.00	0.00	0.20	0.34
	L30KL019	2.67	0.61	0.91	0.30	0.36	0.06	3.96	8.87	3.33	0.62	1.21	0.40	0.46	0.08	5.45	11.55
	L30KL020	0.81	0.17	0.27	0.09	0.00	0.00	1.19	2.53	1.02	0.18	0.36	0.12	0.00	0.00	1.64	3.32
	L30KL021	1.01	0.22	0.21	0.07	0.00	0.00	1.49	3.00	1.27	0.22	0.28	0.09	0.00	0.00	2.05	3.91
	L30KL022	0.13	0.03	0.00	0.00	0.00	0.00	0.19	0.35	0.16	0.03	0.00	0.00	0.00	0.00	0.26	0.45
	L30KL023	0.65	0.14	0.00	0.00	0.00	0.00	0.96	1.75	0.82	0.14	0.00	0.00	0.00	0.00	1.32	2.28
	L30KL024	0.70	0.15	0.15	0.05	0.00	0.00	1.03	2.08	0.88	0.15	0.20	0.07	0.00	0.00	1.42	2.72
	L30KL025	0.97	0.21	0.24	0.08	0.00	0.00	1.42	2.92	1.21	0.21	0.32	0.11	0.00	0.00	1.96	3.81
	L30KL026	1.13	0.24	0.24	0.08	0.00	0.00	1.65	3.34	1.41	0.25	0.32	0.11	0.00	0.00	2.27	4.36
	L30KL027	0.10	0.02	0.00	0.00	0.00	0.00	0.15	0.27	0.12	0.02	0.00	0.00	0.00	0.00	0.20	0.34
	L30KL028	2.88	0.66	1.21	0.40	0.39	0.06	4.27	9.87	3.59	0.67	1.62	0.53	0.52	0.09	5.88	12.90
	L30KL029	1.00	0.21	0.33	0.11	0.00	0.00	1.47	3.12	1.25	0.22	0.45	0.15	0.00	0.00	2.02	4.09
	L30KL030	1.02	0.22	0.27	0.09	0.00	0.00	1.49	3.09	1.27	0.22	0.36	0.12	0.00	0.00	2.05	4.02
	L30KL031	0.13	0.03	0.00	0.00	0.00	0.00	0.19	0.35	0.16	0.03	0.00	0.00	0.00	0.00	0.26	0.45
	L30KL032	0.65	0.14	0.00	0.00	0.00	0.00	0.96	1.75	0.82	0.14	0.00	0.00	0.00	0.00	1.32	2.28
	L30KL033	0.91	0.20	0.15	0.05	0.00	0.00	1.34	2.65	1.14	0.20	0.20	0.07	0.00	0.00	1.84	3.45
	L30KL034	1.07	0.23	0.24	0.08	0.00	0.00	1.57	3.19	1.34	0.24	0.32	0.11	0.00	0.00	2.16	4.17
	L30KL035	1.64	0.35	0.30	0.10	0.00	0.00	2.40	4.79	2.05	0.36	0.40	0.13	0.00	0.00	3.31	6.25
	L30KL036	0.10	0.02	0.00	0.00	0.00	0.00	0.15	0.27	0.12	0.02	0.00	0.00	0.00	0.00	0.20	0.34
	L30KL037	3.83	0.87	1.52	0.50	0.50	0.08	5.68	12.98	4.78	0.89	2.02	0.67	0.67	0.11	7.81	16.95
	L30KL038	1.39	0.30	0.46	0.15	0.00	0.00	2.04	4.34	1.74	0.31	0.61	0.20	0.00	0.00	2.81	5.67
	L30KL039	1.34	0.29	0.30	0.10	0.00	0.00	1.96	3.99	1.67	0.29	0.40	0.13	0.00	0.00	2.70	5.19
	L30KL040	0.13	0.03	0.00	0.00	0.00	0.00	0.19	0.35	0.16	0.03	0.00	0.00	0.00	0.00	0.26	0.45
	L30KL041	0.78	0.17	0.00	0.00	0.00	0.00	1.14	2.09	0.97	0.17	0.00	0.00	0.00	0.00	1.57	2.71
	L30KL042	1.06	0.23	0.24	0.08	0.00	0.00	1.55	3.16	1.32	0.23	0.32	0.11	0.00	0.00	2.13	4.11

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
L30	***cont.***																
	L30KL043	1.92	0.41	0.30	0.10	0.00	0.00	2.82	5.55	2.40	0.42	0.40	0.13	0.00	0.00	3.87	7.22
	L30KL044	2.17	0.47	0.30	0.10	0.00	0.00	3.18	6.22	2.71	0.48	0.40	0.13	0.00	0.00	4.38	8.10
	L30KL045	0.10	0.02	0.00	0.00	0.00	0.00	0.15	0.27	0.12	0.02	0.00	0.00	0.00	0.00	0.20	0.34
	L30KL046	15.55	3.41	3.79	1.25	0.64	0.11	22.91	47.66	19.43	3.49	5.06	1.67	0.82	0.14	31.51	62.12
	L30KL047	17.30	3.79	5.62	1.85	0.70	0.12	25.49	54.87	21.63	3.88	7.49	2.47	0.92	0.15	35.06	71.60
	L30KL048	17.79	3.92	5.62	1.85	0.95	0.16	26.24	56.53	22.24	4.00	7.49	2.47	1.30	0.22	36.09	73.81
	L30KL049	20.51	4.51	8.80	2.90	1.09	0.18	30.24	68.23	25.63	4.61	11.74	3.87	1.49	0.25	41.59	89.18
	L30KL050	19.30	4.21	5.62	1.85	0.64	0.11	28.42	60.15	24.13	4.31	7.49	2.47	0.82	0.14	39.09	78.45
	L30KL051	20.39	4.45	5.62	1.85	0.70	0.12	30.01	63.14	25.48	4.55	7.49	2.47	0.92	0.15	41.29	82.35
	L30KL052	23.09	5.06	8.80	2.90	0.95	0.16	34.01	74.97	28.87	5.17	11.74	3.87	1.30	0.22	46.79	97.96
	L30KL053	25.55	5.59	8.80	2.90	1.09	0.18	37.63	81.74	31.94	5.72	11.74	3.87	1.49	0.25	51.77	106.78
	L30KL054	1.40	0.30	0.24	0.08	0.00	0.00	2.06	4.08	1.75	0.31	0.32	0.11	0.00	0.00	2.83	5.32
	L30KL055	2.36	0.51	0.46	0.15	0.00	0.00	3.46	6.94	2.95	0.52	0.61	0.20	0.00	0.00	4.76	9.04
	L30KL056	2.55	0.55	0.46	0.15	0.00	0.00	3.74	7.45	3.18	0.56	0.61	0.20	0.00	0.00	5.14	9.69
	L30KL057	2.32	0.50	0.46	0.15	0.00	0.00	3.41	6.84	2.90	0.51	0.61	0.20	0.00	0.00	4.69	8.91
	L30MO001	2.73	0.60	2.16	0.71	0.10	0.02	4.03	10.35	3.42	0.61	2.83	0.93	0.10	0.02	5.54	13.45
	L30MO002	2.86	0.63	2.16	0.71	0.10	0.02	4.22	10.70	3.58	0.64	2.83	0.93	0.10	0.02	5.80	13.90
	L30MX008	1.95	0.42	0.00	0.75	0.00	0.00	2.86	5.98	2.43	0.43	0.00	0.75	0.00	0.00	3.93	7.54
L35																	
	L35CA005	15.53	2.73	3.97	1.78	0.00	0.00	30.70	54.71	20.70	2.84	5.19	2.32	0.00	0.00	42.47	73.52
	L35CA006	19.95	3.51	5.30	2.37	0.00	0.00	39.46	70.59	26.60	3.64	6.92	3.09	0.00	0.00	54.57	94.82
	L35CA007	30.53	5.37	6.96	3.11	0.00	0.00	60.37	106.34	40.70	5.57	9.08	4.06	0.00	0.00	83.49	142.90
	L35CA008	7.01	1.23	2.32	1.04	0.00	0.00	13.87	25.47	9.35	1.28	3.03	1.35	0.00	0.00	19.18	34.19
	L35CA009	7.63	1.34	2.32	1.04	0.00	0.00	15.08	27.41	10.17	1.39	3.03	1.35	0.00	0.00	20.86	36.80
	L35CA010	8.93	1.57	2.98	1.33	0.00	0.00	17.65	32.46	11.90	1.63	3.89	1.74	0.00	0.00	24.41	43.57
	L35FI006	13.79	2.42	4.24	1.90	0.00	0.00	27.27	49.62	18.39	2.52	5.53	2.47	0.00	0.00	37.71	66.62
	L35FI007	16.00	2.81	5.63	2.52	0.00	0.00	31.64	58.60	21.33	2.92	7.35	3.29	0.00	0.00	43.76	78.65
	L35ID003	17.38	3.06	4.64	2.07	0.00	0.00	34.37	61.52	23.18	3.17	6.05	2.71	0.00	0.00	47.54	82.65
	L35JD002	7.53	1.32	2.32	1.04	0.00	0.00	14.89	27.10	10.04	1.38	3.03	1.35	0.00	0.00	20.60	36.40
	L35JD003	9.74	1.71	2.98	1.33	0.00	0.00	19.27	35.03	12.99	1.78	3.89	1.74	0.00	0.00	26.65	47.05
	L35KM005	22.29	3.92	5.30	2.37	0.00	0.00	44.07	77.95	29.71	4.07	6.92	3.09	0.00	0.00	60.95	104.74
	L35KM006	27.75	4.88	6.62	2.96	0.00	0.00	54.88	97.09	37.00	5.07	8.65	3.87	0.00	0.00	75.91	130.50
	L35TK001	3.47	0.61	2.02	0.90	0.00	0.00	6.86	13.86	4.63	0.63	2.64	1.18	0.00	0.00	9.49	18.57

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
L40																	
	L40CA005	13.89	3.45	5.16	2.55	2.72	0.45	15.26	43.48	17.36	3.52	6.88	3.40	5.18	0.86	20.44	57.64
	L40CA006	19.33	4.80	6.68	3.30	3.76	0.63	21.24	59.74	24.16	4.90	8.91	4.40	7.17	1.19	28.45	79.18
	L40CA007	22.18	5.75	9.11	3.22	4.88	0.81	21.39	67.34	28.84	5.89	12.14	4.29	9.32	1.55	29.78	91.81
	L40CA008	32.49	8.49	13.05	4.61	8.53	1.42	31.35	99.94	42.23	8.69	17.41	6.15	16.29	2.71	43.67	137.15
	L40CA009	68.62	17.96	24.29	8.57	18.68	3.11	66.25	207.48	89.21	18.40	32.38	11.43	35.66	5.94	92.27	285.29
	L40CA012	9.44	2.29	3.79	1.87	0.90	0.15	11.04	29.48	11.79	2.33	5.06	2.50	1.73	0.29	14.73	38.43
	L40CA013	6.95	1.69	2.73	1.35	0.83	0.14	8.14	21.83	8.68	1.73	3.64	1.80	1.58	0.26	10.86	28.55
	L40CA015	9.50	2.30	3.79	1.87	0.90	0.15	10.37	28.88	11.87	2.35	5.06	2.50	1.73	0.29	13.89	37.69
	L40CA016	14.68	3.64	6.07	3.00	2.72	0.45	16.12	46.68	18.35	3.71	8.10	4.00	5.18	0.86	21.59	61.79
	L40CA017	18.28	4.70	7.59	2.68	3.14	0.52	17.60	54.51	23.77	4.81	10.12	3.57	5.99	1.00	24.51	73.77
	L40CA018	53.38	14.01	18.98	6.70	15.37	2.56	51.56	162.56	69.39	14.35	25.30	8.93	29.34	4.89	71.80	224.00
	L40CA019	6.53	1.59	2.73	1.35	0.83	0.14	7.14	20.31	8.16	1.63	3.64	1.80	1.58	0.26	9.56	26.63
	L40CA020	7.79	1.90	3.19	1.58	0.90	0.15	8.52	24.03	9.74	1.94	4.25	2.10	1.73	0.29	11.41	31.46
	L40CA021	10.30	2.55	4.40	2.17	1.92	0.32	11.31	32.97	12.87	2.61	5.87	2.90	3.67	0.61	15.14	43.67
	L40CS009	8.35	2.08	3.83	1.89	1.67	0.28	9.18	27.28	10.44	2.12	5.10	2.52	3.19	0.53	12.30	36.20
	L40CS010	10.59	2.61	4.25	2.10	1.67	0.28	11.62	33.12	13.24	2.66	5.67	2.80	3.19	0.53	15.56	43.65
	L40CS011	13.69	3.40	5.16	2.55	2.58	0.43	15.04	42.85	17.11	3.47	6.88	3.40	4.92	0.82	20.14	56.74
	L40CS012	15.60	4.06	7.53	2.66	3.76	0.63	15.05	49.29	20.28	4.16	10.04	3.54	7.17	1.19	20.95	67.33
	L40CS014	1.79	0.29	0.83	0.41	0.11	0.02	1.97	5.42								
	L40CS015	1.97	0.33	3.73	1.40	0.19	0.03	2.17	9.82								
	L40CS016	2.22	0.37	1.52	0.75	0.19	0.03	2.44	7.52								
	L40CS017	2.49	0.41	1.66	0.82	0.19	0.03	2.74	8.34								
	L40CS018	2.87	0.48	1.85	0.91	0.28	0.05	3.16	9.60								
	L40FI002	6.37	1.56	2.73	1.35	0.83	0.14	6.97	19.95	7.96	1.59	3.64	1.80	1.58	0.26	9.33	26.16
	L40FI012	7.46	1.83	3.89	1.92	0.83	0.14	8.17	24.24	9.33	1.87	5.18	2.56	1.51	0.25	10.94	31.64
	L40FI013	10.35	2.57	4.22	2.09	1.54	0.26	11.37	32.40	12.94	2.62	5.63	2.78	2.83	0.47	15.23	42.50
	L40FI014	8.46	2.12	4.86	2.40	1.54	0.26	9.32	28.96	10.58	2.16	6.48	3.20	2.83	0.47	12.48	38.20
	L40FI015	12.14	3.03	5.74	2.84	2.06	0.34	13.35	39.50	15.17	3.09	7.65	3.78	3.78	0.63	17.88	51.98
	L40FI016	10.25	2.58	5.77	2.85	2.06	0.34	11.31	35.16	12.81	2.64	7.69	3.80	3.78	0.63	15.14	46.49
	L40FI017	13.30	3.44	7.29	2.57	2.29	0.38	12.82	42.09	17.29	3.53	9.72	3.43	4.18	0.70	17.85	56.70
	L40HU001	5.57	1.38	3.95	1.95	0.83	0.14	6.12	19.94	6.96	1.41	5.26	2.60	1.51	0.25	8.19	26.18
	L40HU002	6.74	1.72	5.19	2.56	1.60	0.27	7.46	25.54	8.43	1.75	6.92	3.42	2.93	0.49	9.99	33.93
	L40HU003	10.43	2.78	8.05	2.84	3.10	0.52	10.10	37.82	13.56	2.85	10.73	3.79	5.69	0.95	14.07	51.64
	L40ID007	35.23	9.07	12.60	4.45	6.53	1.09	33.93	102.90	45.80	9.29	16.80	5.93	12.46	2.07	47.25	139.60

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
L40	***cont.***																
	L40ID010	6.29	1.53	2.82	1.39	0.73	0.12	6.88	19.76	7.86	1.56	3.76	1.86	1.39	0.23	9.21	25.87
	L40ID011	8.13	2.00	3.49	1.72	1.27	0.21	8.91	25.73	10.16	2.04	4.66	2.30	2.43	0.40	11.93	33.92
	L40ID012	9.82	2.39	4.37	2.16	1.03	0.17	10.73	30.67	12.28	2.44	5.83	2.88	1.97	0.33	14.37	40.10
	L40ID015	66.02	17.06	17.91	6.32	13.42	2.23	63.60	186.56	85.82	17.47	23.88	8.43	25.62	4.27	88.58	254.07
	L40JC004	4.40	1.09	3.04	1.50	0.77	0.13	5.18	16.11	5.50	1.11	4.05	2.00	1.47	0.24	6.91	21.28
	L40JC005	4.76	1.18	2.43	1.20	0.83	0.14	5.60	16.14	5.95	1.20	3.24	1.60	1.58	0.26	7.47	21.30
	L40JC006	5.78	1.41	2.43	1.20	0.62	0.10	6.77	18.31	7.23	1.43	3.24	1.60	1.18	0.20	9.03	23.91
	L40JD001	6.56	1.60	2.58	1.28	0.77	0.13	7.18	20.10	8.21	1.63	3.44	1.70	1.47	0.24	9.61	26.30
	L40JD002	7.26	1.77	3.04	1.50	0.83	0.14	7.94	22.48	9.08	1.80	4.05	2.00	1.58	0.26	10.63	29.40
	L40JD003	8.47	2.05	3.64	1.80	0.83	0.14	9.25	26.18	10.59	2.10	4.86	2.40	1.58	0.26	12.39	34.18
	L40JD004	13.34	3.26	5.16	2.55	1.67	0.28	14.59	40.85	16.67	3.32	6.88	3.40	3.19	0.53	19.54	53.53
	L40JD006	16.88	4.33	7.59	2.68	2.85	0.47	16.25	51.05	21.95	4.44	10.12	3.57	5.45	0.91	22.63	69.07
	L40JD007	10.31	2.54	4.40	2.17	1.67	0.28	11.31	32.68	12.89	2.59	5.87	2.90	3.19	0.53	15.14	43.11
	L40KM001	7.86	1.91	2.85	1.41	0.90	0.15	8.59	23.67	9.82	1.95	3.81	1.88	1.73	0.29	11.51	30.99
	L40KM002	8.89	2.16	3.58	1.77	0.90	0.15	9.71	27.16	11.11	2.20	4.78	2.36	1.73	0.29	13.00	35.47
	L40KM003	10.33	2.55	4.37	2.16	1.67	0.28	11.33	32.69	12.92	2.60	5.83	2.88	3.19	0.53	15.17	43.12
	L40KM004	12.93	3.16	5.04	2.49	1.67	0.28	14.16	39.73	16.17	3.23	6.72	3.32	3.19	0.53	18.96	52.12
	L40KM005	15.16	3.77	5.95	2.94	2.96	0.49	16.66	47.93	18.95	3.84	7.93	3.92	5.65	0.94	22.31	63.54
	L40KM006	17.88	4.41	6.80	3.36	2.96	0.49	19.62	55.52	22.35	4.50	9.07	4.48	5.65	0.94	26.27	73.26
	L40KM007	17.85	4.67	8.02	2.83	4.70	0.78	17.23	56.08	23.21	4.78	10.69	3.77	8.97	1.49	24.00	76.91
	L40KM008	23.35	6.03	8.83	3.12	4.70	0.78	22.49	69.30	30.35	6.17	11.78	4.16	8.97	1.49	31.32	94.24
	L40KM009	35.09	9.24	12.90	4.55	10.55	1.76	33.90	107.99	45.61	9.46	17.20	6.07	20.14	3.35	47.22	149.05
	L40KM010	65.20	16.85	19.46	6.87	13.42	2.23	62.82	186.85	84.76	17.26	25.95	9.16	25.62	4.27	87.49	254.51
	L40KM011	83.98	21.82	23.95	8.45	19.53	3.25	80.98	241.96	109.17	22.34	31.94	11.27	37.28	6.21	112.78	330.99
	L40KU004	3.05	0.73	1.31	0.65	0.22	0.04	3.32	9.32	3.81	0.75	1.74	0.86	0.42	0.07	4.45	12.10
	L40KU006	3.52	0.88	1.49	0.74	0.77	0.13	3.87	11.40	4.40	0.90	1.98	0.98	1.47	0.24	5.19	15.16
	L40ME012	2.00	0.33	1.44	0.71	0.12	0.02	2.20	6.82								
	L40ME015	0.90	0.15	1.28	0.48	0.08	0.01	0.99	3.89								
	L40ME016	1.16	0.19	0.52	0.26	0.08	0.01	1.27	3.49								
	L40ME017	1.49	0.25	0.75	0.37	0.17	0.03	1.64	4.70								
	L40ME018	1.82	0.30	1.26	0.62	0.12	0.02	2.00	6.14								
	L40ME019	2.68	0.45	2.43	1.20	0.38	0.06	2.96	10.16								
	L40SS009	8.98	2.23	5.28	2.61	1.34	0.22	9.87	30.53	11.23	2.27	7.04	3.48	2.46	0.41	13.21	40.10
	L40SS010	11.21	2.81	6.16	3.04	2.06	0.34	12.35	37.97	14.01	2.87	8.22	4.06	3.78	0.63	16.53	50.10
	L40SS011	13.27	3.48	8.02	2.83	3.01	0.50	12.82	43.93	17.25	3.56	10.69	3.77	5.51	0.92	17.85	59.55

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
L50																	
	L50CA001	5.07	1.23	2.37	0.89	0.37	0.06	6.33	16.32	8.44	1.30	3.16	1.19	0.51	0.08	11.20	25.88
	L50CA002	5.75	1.39	2.55	0.96	0.37	0.06	7.17	18.25	9.58	1.46	3.40	1.28	0.51	0.08	12.70	29.01
	L50CA003	6.08	1.47	2.70	1.02	0.46	0.08	7.60	19.41	10.14	1.56	3.60	1.36	0.64	0.11	13.45	30.86
	L50CA004	8.48	2.07	3.34	1.26	0.76	0.13	10.61	26.65	14.14	2.18	4.45	1.68	1.06	0.18	18.79	42.48
	L50CS004	4.91	1.20	2.16	0.81	0.48	0.08	6.15	15.79	8.19	1.27	2.87	1.08	0.66	0.11	10.89	25.07
	L50CS005	5.03	1.23	2.61	0.98	0.48	0.08	6.30	16.71	8.39	1.30	3.48	1.31	0.66	0.11	11.15	26.40
	L50CS006	5.96	1.48	2.61	0.98	0.84	0.14	7.49	19.50	9.94	1.56	3.48	1.31	1.17	0.19	13.27	30.92
	L50JC001	3.73	0.94	1.82	0.69	0.72	0.12	4.70	12.72	6.22	0.99	2.43	0.91	1.03	0.17	8.33	20.08
	L50JC002	4.63	1.15	2.61	0.98	0.64	0.11	5.82	15.94	7.72	1.21	3.48	1.31	0.87	0.14	10.31	25.04
	L50JC003	5.32	1.30	2.79	1.05	0.61	0.10	6.66	17.83	8.86	1.38	3.72	1.40	0.87	0.14	11.79	28.16
	L50JC004	5.32	1.31	2.79	1.05	0.64	0.11	6.67	17.89	8.86	1.39	3.72	1.40	0.87	0.14	11.81	28.19
	L50JC005	5.88	1.44	2.79	1.05	0.61	0.10	7.36	19.23	9.80	1.52	3.72	1.40	0.87	0.14	13.03	30.48
	L50JC006	7.08	1.73	2.79	1.05	0.64	0.11	8.86	22.26	11.79	1.82	3.72	1.40	0.87	0.14	15.68	35.42
	L50JC007	7.59	1.86	2.79	1.05	0.85	0.14	9.51	23.79	12.65	1.96	3.72	1.40	1.21	0.20	16.83	37.97
	L50JD001	4.68	1.14	2.16	0.81	0.37	0.06	5.85	15.07	7.80	1.20	2.87	1.08	0.51	0.08	10.36	23.90
	L50JD002	5.73	1.39	2.73	1.03	0.45	0.07	7.16	18.56	9.55	1.47	3.64	1.37	0.62	0.10	12.67	29.42
	L50JD003	6.56	1.59	2.88	1.08	0.46	0.08	8.19	20.84	10.94	1.68	3.85	1.45	0.64	0.11	14.51	33.18
	L50JD005	9.16	2.25	3.49	1.31	1.02	0.17	11.47	28.87	15.26	2.37	4.66	1.75	1.42	0.24	20.31	46.01
L55																	
	L55KN001	0.84	0.11	0.00	0.52	0.00	0.00	1.23	2.70								
	L55KN002	1.71	0.23	0.00	1.06	0.00	0.00	2.52	5.52								
	L55KN003	3.50	0.48	0.00	2.01	0.00	0.00	5.13	11.12								
L60																	
	L60CA005	15.51	2.61	5.77	1.90	2.25	0.37	17.07	45.48	17.72	2.66	7.69	2.53	4.72	0.79	20.73	56.84
	L60CA009	15.74	2.53	3.19	1.05	0.00	0.00	17.21	39.72	17.99	2.57	4.25	1.40	0.00	0.00	20.89	47.10
	L60CA010	22.25	3.57	4.55	1.50	0.00	0.00	24.32	56.19	25.43	3.63	6.07	2.00	0.00	0.00	29.53	66.66
	L60CA011	25.85	4.15	4.55	1.50	0.00	0.00	28.25	64.30	29.54	4.22	6.07	2.00	0.00	0.00	34.31	76.14
	L60CA012	12.77	2.12	4.25	1.40	1.05	0.17	14.03	35.79	14.60	2.16	5.67	1.87	2.13	0.35	17.04	43.82
	L60CA013	15.80	2.61	4.86	1.60	1.05	0.17	17.34	43.43	18.05	2.65	6.48	2.13	2.13	0.35	21.05	52.84
	L60JD001	10.98	1.84	3.67	1.21	1.47	0.24	12.09	31.50	12.55	1.87	4.90	1.61	3.07	0.51	14.67	39.18
	L60JD002	12.71	2.12	4.77	1.57	1.47	0.24	13.97	36.85	14.52	2.16	6.36	2.10	3.07	0.51	16.96	45.68
	L60JD003	11.73	1.97	3.67	1.21	1.65	0.27	12.91	33.41	13.40	2.01	4.90	1.61	3.45	0.57	15.67	41.61
	L60JD004	14.08	2.42	4.77	1.57	2.99	0.50	15.55	41.88	16.09	2.46	6.36	2.10	6.26	1.04	18.88	53.19

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
L60	***cont.***																
	L60JD005	14.62	2.60	5.25	1.73	4.66	0.78	16.24	45.88	16.70	2.65	7.00	2.31	9.76	1.63	19.71	59.76
	L60JD006	14.45	2.44	5.16	1.70	2.21	0.37	15.92	42.25	16.52	2.48	6.88	2.27	4.63	0.77	19.33	52.88
	L60RN001	10.12	1.67	3.16	1.04	0.71	0.12	11.11	27.93	11.57	1.70	4.21	1.39	1.44	0.24	13.49	34.04
	L60RN002	12.11	2.04	4.01	1.32	1.32	0.22	13.33	34.35	13.85	2.07	5.34	1.76	2.68	0.45	16.19	42.34
	L60RN003	12.44	2.09	4.83	1.59	1.32	0.22	13.69	36.18	14.22	2.12	6.44	2.12	2.68	0.45	16.62	44.65
	L60RN004	14.61	2.51	6.59	2.17	2.39	0.40	16.14	44.81	16.70	2.55	8.78	2.89	4.86	0.81	19.60	56.19
	L60RN005	12.13	2.00	3.16	1.04	0.71	0.12	13.30	32.46	13.86	2.03	4.21	1.39	1.44	0.24	16.15	39.32
	L60RN006	13.83	2.27	4.01	1.32	0.69	0.11	15.17	37.40	15.81	2.31	5.34	1.76	1.39	0.23	18.42	45.26
	L60RN007	15.21	2.49	4.83	1.59	0.69	0.11	16.67	41.59	17.38	2.53	6.44	2.12	1.39	0.23	20.24	50.33
	L60RN008	15.23	2.61	6.59	2.17	2.39	0.40	16.81	46.20	17.40	2.65	8.78	2.89	4.86	0.81	20.41	57.80
M10																	
	M10AQ001	16.32	3.21	4.95	1.63	0.18	0.03	16.26	42.58								
	M10AQ002	14.07	2.77	4.95	1.63	0.18	0.03	14.02	37.65								
	M10AQ003	11.69	2.31	3.19	1.05	0.18	0.03	11.65	30.10								
	M10AQ006	2.42	0.43	0.00	0.00	1.20	0.20	2.33	6.58								
	M10AQ007	4.91	0.67	0.00	0.00	0.00	0.00	4.45	10.03								
	M10AQ010	4.97	0.68	0.00	0.00	0.00	0.00	4.50	10.15								
	M10AQ011	4.10	0.56	0.00	0.00	0.00	0.00	3.71	8.37								
	M10AQ012	1.31	0.18	0.00	0.00	0.00	0.00	1.19	2.68								
	M10AQ013	1.18	0.16	0.00	0.00	0.00	0.00	1.07	2.41								
	M10AQ014	0.63	0.09	0.00	0.00	0.00	0.00	0.57	1.29								
	M10AQ015	0.68	0.09	0.00	0.00	0.00	0.00	0.62	1.39								
	M10AQ016	0.92	0.13	0.00	0.00	0.00	0.00	0.84	1.89								
	M10AQ017	0.37	0.05	0.00	0.00	0.00	0.00	0.34	0.76								
	M10AQ018	0.62	0.08	0.00	0.00	0.00	0.00	0.56	1.26								
	M10AQ019	0.73	0.10	0.00	0.00	0.00	0.00	0.66	1.49								
	M10AQ020	0.82	0.11	0.00	0.00	0.00	0.00	0.74	1.67								
	M10CP001	9.10	1.78	5.28	1.74	0.00	0.00	9.06	26.96								
	M10CP002	10.12	1.98	6.41	2.11	0.00	0.00	10.07	30.69								
	M10CP003	10.70	2.09	6.41	2.11	0.00	0.00	10.65	31.96								
	M10CP004	5.72	0.84	1.50	0.79	0.00	0.00	5.38	14.23								
	M10CP005	5.31	0.78	0.94	0.50	0.00	0.00	4.99	12.52								
	M10CP006	0.17	0.02	0.00	0.30	0.00	0.00	0.15	0.64								
	M10CP007	0.34	0.04	0.00	0.40	0.00	0.00	0.29	1.07								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
M10	***cont.***																
	M10CP008	1.08	0.14	0.00	0.50	0.00	0.00	0.92	2.64								
	M10CP009	1.37	0.17	0.00	0.60	0.00	0.00	1.17	3.31								
	M10CP010	0.14	0.02	0.00	0.20	0.00	0.00	0.12	0.48								
	M10CP011	0.17	0.02	0.00	0.25	0.00	0.00	0.14	0.58								
	M10CP012	0.20	0.03	0.00	0.30	0.00	0.00	0.17	0.70								
	M10CP013	0.25	0.03	0.00	0.30	0.00	0.00	0.21	0.79								
	M10CP014	0.06	0.01	0.00	0.15	0.00	0.00	0.06	0.28								
	M10CP015	0.08	0.01	0.00	0.20	0.00	0.00	0.07	0.36								
	M10CP016	0.15	0.02	0.00	0.25	0.00	0.00	0.12	0.54								
	M10CP017	0.19	0.02	0.00	0.30	0.00	0.00	0.16	0.67								
	M10CP018	0.11	0.01	0.00	0.20	0.00	0.00	0.09	0.41								
	M10CP019	0.13	0.02	0.00	0.20	0.00	0.00	0.11	0.46								
	M10CP020	0.10	0.01	0.00	0.25	0.00	0.00	0.09	0.45								
	M10DD001	42.10	8.86	16.03	5.28	0.00	0.00	45.23	117.50								
	M10DD002	61.43	12.93	18.80	9.95	0.00	0.00	66.00	169.11								
	M10DS002	15.15	2.96	9.62	3.17	0.00	0.00	15.08	45.98								
	M10DS004	19.71	4.15	15.16	4.99	0.00	0.00	21.17	65.18								
	M10DS005	21.48	4.52	17.35	5.72	0.00	0.00	23.08	72.15								
	M10DS007	25.69	5.41	19.05	6.28	0.00	0.00	27.60	84.03								
	M10DS008	18.03	3.53	9.81	3.23	0.00	0.00	17.94	52.54								
	M10DS009	39.92	8.41	18.86	6.21	0.00	0.00	42.89	116.29								
	M10DS010	50.71	10.68	18.86	6.21	0.00	0.00	54.48	140.94								
	M10DS011	23.92	5.04	18.86	6.21	0.00	0.00	25.70	79.73								
	M10EL004	15.79	3.09	6.07	2.00	0.00	0.00	17.96	44.91								
	M10EL005	19.46	3.81	6.60	2.17	0.00	0.00	22.14	54.18								
	M10EL006	23.12	4.52	6.60	2.17	0.00	0.00	26.30	62.71								
	M10EL007	17.67	3.46	8.60	2.83	0.00	0.00	20.11	52.67								
	M10EL008	21.25	4.16	8.60	2.83	0.00	0.00	24.17	61.01								
	M10EL009	10.09	3.75	0.00	1.00	0.00	0.00	12.92	27.76								
	M10EL010	17.01	6.32	0.00	1.00	0.00	0.00	21.78	46.11								
	M10EL011	18.40	6.84	0.00	1.00	0.00	0.00	23.55	49.79								
	M10EL012	36.69	13.63	0.00	1.00	0.00	0.00	46.96	98.28								
	M10HH001	9.66	1.89	5.66	1.86	0.00	0.00	10.99	30.06								
	M10HH002	9.78	1.91	5.66	1.86	0.00	0.00	11.12	30.33								
	M10HH003	10.30	2.01	6.68	2.20	0.00	0.00	11.72	32.91								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
M10	***cont.***																
	M10HH004	10.41	2.04	6.68	2.20	0.00	0.00	11.85	33.18								
	M10HH005	10.59	2.07	6.68	2.20	0.00	0.00	12.05	33.59								
	M10HH006	6.07	1.19	3.77	1.24	0.00	0.00	6.90	19.17								
	M10KK001	10.66	2.08	15.54	5.85	0.00	0.00	10.61	44.74								
	M10KK002	11.06	2.16	9.43	3.11	0.00	0.00	11.01	36.77								
	M10KK003	11.58	2.27	15.54	5.85	0.00	0.00	11.53	46.77								
	M10KK004	12.07	2.36	9.43	3.11	0.00	0.00	12.02	38.99								
	M10KK005	14.26	2.79	9.43	3.11	0.00	0.00	14.19	43.78								
	M10KR001	22.71	4.44	3.89	1.74	0.00	0.00	31.60	64.38	25.23	4.50	5.18	2.32	0.00	0.00	38.64	75.87
	M10KR002	26.72	5.23	5.10	2.28	0.00	0.00	37.18	76.51	29.69	5.29	6.80	3.04	0.00	0.00	45.47	90.29
	M10MZ001	0.73	0.08	0.00	0.00	0.00	0.00	0.49	1.30								
	M10MZ002	0.79	0.09	0.00	0.00	0.00	0.00	0.53	1.41								
	M10MZ003	1.20	0.14	0.00	0.00	0.00	0.00	0.80	2.14								
	M10MZ004	1.14	0.20	0.00	0.00	0.00	0.00	0.92	2.26								
	M10MZ005	1.85	0.33	0.00	0.00	0.00	0.00	1.49	3.67								
	M10MZ006	2.09	0.37	0.00	0.00	0.00	0.00	1.68	4.14								
	M10MZ007	2.31	0.41	0.00	0.00	0.00	0.00	1.86	4.58								
	M10MZ008	2.82	0.50	0.00	0.00	0.00	0.00	2.27	5.59								
	M10MZ009	3.37	0.60	0.00	0.00	0.00	0.00	2.71	6.68								
	M10MZ010	2.25	0.52	4.25	1.90	0.00	0.00	2.24	11.16	2.70	0.53	5.67	2.54	0.00	0.00	2.88	14.32
	M10MZ011	2.97	0.69	6.38	2.85	0.00	0.00	2.95	15.84	3.56	0.70	8.50	3.80	0.00	0.00	3.80	20.36
	M10MZ012	5.45	1.45	10.63	4.75	0.00	0.00	6.20	28.48	6.35	1.47	14.17	6.34	0.00	0.00	7.68	36.01
	M10MZ013	6.55	1.74	10.63	4.75	0.00	0.00	7.45	31.12	7.64	1.76	14.17	6.34	0.00	0.00	9.23	39.14
	M10SM001	2.82	0.65	10.82	4.07	0.00	0.00	2.81	21.17	3.39	0.66	14.15	5.33	0.00	0.00	3.61	27.14
	M10SM002	3.01	0.69	14.43	5.43	0.00	0.00	2.99	26.55	3.61	0.71	18.87	7.10	0.00	0.00	3.85	34.14
	M10SM003	3.16	0.73	14.43	5.43	0.00	0.00	3.14	26.89	3.79	0.74	18.87	7.10	0.00	0.00	4.04	34.54
	M10SM004	3.45	0.80	18.04	6.79	0.00	0.00	3.44	32.52	4.14	0.81	23.59	8.88	0.00	0.00	4.42	41.84
	M10SM005	1.28	0.30	8.30	3.13	0.00	0.00	1.27	14.28	1.53	0.30	10.85	4.09	0.00	0.00	1.64	18.41
	M10SM006	1.42	0.33	8.30	3.13	0.00	0.00	1.41	14.59	1.70	0.33	10.85	4.09	0.00	0.00	1.81	18.78
	M10SM007	2.17	0.50	10.82	4.07	0.00	0.00	2.16	19.72	2.61	0.51	14.15	5.33	0.00	0.00	2.78	25.38
	M10SM008	2.37	0.55	14.43	5.43	0.00	0.00	2.36	25.14	2.85	0.56	18.87	7.10	0.00	0.00	3.04	32.42
	M10SM009	2.53	0.58	14.43	5.43	0.00	0.00	2.52	25.49	3.03	0.59	18.87	7.10	0.00	0.00	3.24	32.83
	M10SM010	2.73	0.63	14.43	5.43	0.00	0.00	2.71	25.93	3.27	0.64	18.87	7.10	0.00	0.00	3.49	33.37
	M10SM011	3.95	0.91	14.79	5.57	0.00	0.00	3.93	29.15	4.74	0.93	19.34	7.28	0.00	0.00	5.05	37.34
	M10SM012	4.38	1.01	18.04	6.79	0.00	0.00	4.36	34.58	5.25	1.03	23.59	8.88	0.00	0.00	5.61	44.36

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
M10	***cont.***																
	M10SM013	4.06	0.94	18.04	6.79	0.00	0.00	4.04	33.87	4.87	0.95	23.59	8.88	0.00	0.00	5.20	43.49
	M10SM014	3.79	1.01	21.65	8.15	0.00	0.00	4.32	38.92	4.43	1.02	28.31	10.66	0.00	0.00	5.35	49.77
	M10SM015	5.83	1.55	29.94	11.27	0.00	0.00	6.63	55.22	6.80	1.57	39.16	14.74	0.00	0.00	8.21	70.48
	M10SM016	3.57	0.83	14.79	5.57	0.00	0.00	3.56	28.32	4.29	0.84	19.34	7.28	0.00	0.00	4.57	36.32
	M10SM017	6.45	1.72	29.58	11.14	0.00	0.00	7.34	56.23	7.52	1.74	38.68	14.56	0.00	0.00	9.09	71.59
	M10SM018	8.69	2.31	12.14	5.43	0.00	0.00	9.89	38.46	10.14	2.34	16.19	7.24	0.00	0.00	12.25	48.16
	M10SM019	10.42	2.77	12.14	5.43	0.00	0.00	11.85	42.61	12.15	2.81	16.19	7.24	0.00	0.00	14.68	53.07
	M10SM020	12.66	4.70	19.87	8.88	0.00	0.00	16.20	62.31								
	M10SM021	18.69	6.95	33.12	14.81	0.00	0.00	23.93	97.50								
P10																	
	P10IC001	10.18	1.85	5.31	2.00	0.00	0.00	14.72	34.06								
	P10IC002	16.02	2.91	9.11	3.43	0.00	0.00	23.17	54.64								
	P10IC003	20.10	3.65	9.11	3.43	0.00	0.00	29.07	65.36								
	P10IC004	25.53	4.64	15.27	5.75	0.00	0.00	36.93	88.12								
	P10IC005	40.58	7.37	24.29	9.15	0.00	0.00	58.68	140.07								
	P10IC010	2.23	0.40	0.00	0.00	0.00	0.00	3.22	5.85								
	P10IC011	4.22	0.77	0.39	0.15	0.00	0.00	6.10	11.63								
	P10IC012	2.73	0.50	0.00	0.00	0.00	0.00	3.96	7.19								
	P10IC013	4.64	0.84	0.94	0.35	0.00	0.00	6.71	13.48								
P20																	
	P20IC001	4.23	0.77	0.00	1.25	0.00	0.00	8.41	14.66								
	P20IC002	9.73	1.77	0.00	1.90	0.00	0.00	19.35	32.75								
	P20IC003	9.39	1.71	0.00	2.50	0.00	0.00	18.67	32.27								
	P20IC004	9.99	1.82	0.00	3.15	0.00	0.00	19.86	34.82								
	P20MK001	5.29	0.96	0.00	1.25	0.00	0.00	10.51	18.01								
	P20MK002	2.02	0.37	0.00	0.50	0.00	0.00	4.01	6.90								
	P20MK003	2.46	0.45	0.00	1.00	0.00	0.00	4.90	8.81								
	P20MK004	3.08	0.56	0.00	1.25	0.00	0.00	6.12	11.01								
	P20MK005	5.01	0.91	0.00	1.25	0.00	0.00	9.96	17.13								
	P20MK006	5.50	1.00	0.00	2.50	0.00	0.00	10.94	19.94								
	P20MK007	6.18	1.12	0.00	2.50	0.00	0.00	12.29	22.09								
P25																	
	P25DL001	4.62	0.84	0.00	0.95	0.00	0.00	8.34	14.75								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
P25	***cont.***																
	P25DL002	4.84	0.88	0.00	1.25	0.00	0.00	8.75	15.72								
	P25DL003	5.31	0.97	0.00	1.20	0.00	0.00	9.60	17.08								
	P25DL004	7.21	1.31	0.00	1.80	0.00	0.00	13.03	23.35								
	P25DL005	10.71	1.95	0.00	2.65	0.00	0.00	19.34	34.65								
	P25DL006	11.33	2.06	0.00	3.30	0.00	0.00	20.46	37.15								
	P25DL007	14.18	2.58	0.00	3.80	0.00	0.00	25.61	46.17								
	P25DL008	15.33	2.79	0.00	5.30	0.00	0.00	27.68	51.10								
	P25DL009	29.11	5.29	0.00	6.60	0.00	0.00	52.57	93.57								
	P25DL010	41.68	7.58	0.00	8.25	0.00	0.00	75.28	132.79								
	P25DL011	44.60	8.11	0.00	9.90	0.00	0.00	80.55	143.16								
	P25IC001	6.55	1.19	0.00	2.20	0.00	0.00	11.84	21.78								
	P25IC002	7.94	1.44	0.00	3.45	0.00	0.00	14.35	27.18								
	P25IC003	12.63	2.30	0.00	4.40	0.00	0.00	22.82	42.15								
	P25IC004	14.76	2.68	0.00	5.30	0.00	0.00	26.66	49.40								
	P25IC005	19.19	3.49	0.00	6.25	0.00	0.00	34.66	63.59								
	P25IC006	22.84	4.15	0.00	7.20	0.00	0.00	41.26	75.45								
	P25MK001	6.41	1.17	0.00	2.50	0.00	0.00	11.58	21.66								
	P25MK002	6.98	1.27	0.00	2.50	0.00	0.00	12.61	23.36								
	P25MK003	9.94	1.81	0.00	4.15	0.00	0.00	17.95	33.85								
	P25VU002	6.84	1.24	0.00	2.50	0.00	0.00	12.35	22.93								
	P25VU003	6.79	1.23	0.00	2.50	0.00	0.00	12.26	22.78								
	P25VU004	6.94	1.26	0.00	2.50	0.00	0.00	12.54	23.24								
	P25VU005	9.34	1.70	0.00	2.50	0.00	0.00	16.87	30.41								
	P25VU010	9.61	1.75	0.00	0.95	0.00	0.00	17.36	29.67								
	P25VU011	9.67	1.76	0.00	1.17	0.00	0.00	17.46	30.06								
P30																	
	P30MK001	9.60	1.75	5.31	2.00	0.00	0.00	17.35	36.01								
	P30MK002	16.02	2.91	9.87	3.72	0.00	0.00	28.93	61.45								
	P30MK003	16.44	2.99	9.87	3.72	0.00	0.00	29.68	62.70								
	P30MK004	25.82	4.69	18.22	6.86	0.00	0.00	46.63	102.22								
	P30VU001	5.62	1.02	1.76	0.66	0.00	0.00	10.16	19.22								
	P30VU002	12.10	2.20	4.71	1.77	0.00	0.00	21.86	42.64								
	P30VU003	18.03	3.28	10.93	4.12	0.00	0.00	32.57	68.93								
	P30VU004	25.63	4.66	17.00	6.40	0.00	0.00	46.28	99.97								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
P35																	
	P35CA001	8.49	2.92	1.74	0.82	0.00	0.00	13.94	27.91	12.74	3.01	2.32	1.09	0.00	0.00	22.90	42.06
	P35CA003	15.69	5.40	3.31	1.56	0.00	0.00	25.75	51.71	23.53	5.57	4.42	2.08	0.00	0.00	42.30	77.90
	P35CA005	22.00	7.58	4.97	2.34	0.00	0.00	36.10	72.99	32.99	7.80	6.62	3.12	0.00	0.00	59.30	109.83
	P35CA006	30.42	10.48	6.96	3.28	0.00	0.00	49.93	101.07	45.63	10.79	9.27	4.36	0.00	0.00	82.01	152.06
P40																	
	P40GV001	3.23	0.58	1.11	0.42	0.09	0.01	3.84	9.28								
	P40GV002	3.61	0.66	1.11	0.42	0.24	0.04	4.30	10.38								
	P40GV003	4.33	0.78	1.11	0.42	0.24	0.04	5.16	12.08								
	P40GV004	7.41	1.32	1.67	1.23	0.18	0.03	8.80	20.64								
	P40GV005	11.24	2.05	3.44	2.05	0.74	0.12	13.41	33.05								
	P40GV006	13.25	2.43	3.44	1.90	1.03	0.17	15.82	38.04								
	P40GV007	15.84	2.89	3.44	1.90	1.03	0.17	18.88	44.15								
	P40GV008	22.46	4.05	3.44	2.00	1.03	0.17	26.72	59.87								
	P40GV009	5.18	0.92	1.11	1.02	0.13	0.02	6.14	14.52								
	P40GV010	6.65	1.18	1.83	1.29	0.13	0.02	7.89	18.99								
	P40GV011	11.49	2.07	2.94	1.71	0.60	0.10	13.67	32.58								
	P40RE001	8.51	1.52	9.16	3.95	0.24	0.04	10.11	33.53								
P45																	
	P45AF001	3.64	0.59	3.90	1.47	0.03	0.00	5.04	14.67								
	P45AF002	0.08	0.01	0.00	0.00	0.00	0.00	0.11	0.20								
	P45AF003	0.12	0.02	0.00	0.00	0.00	0.00	0.17	0.31								
	P45AF004	0.37	0.06	0.00	0.00	0.00	0.00	0.52	0.95								
	P45AF005	1.16	0.19	1.16	0.44	0.00	0.00	1.61	4.56								
	P45AF006	1.27	0.20	1.16	0.44	0.00	0.00	1.75	4.82								
	P45AF007	2.41	0.39	1.35	0.44	0.03	0.00	3.33	7.95								
	P45CG001	0.30	0.05	0.00	0.05	0.00	0.00	0.41	0.81								
	P45CG002	0.54	0.09	0.00	0.10	0.00	0.00	0.74	1.47								
	P45CG003	1.47	0.24	0.00	0.15	0.00	0.00	2.02	3.88								
	P45CG006	1.64	0.27	1.69	0.64	0.03	0.00	2.27	6.54								
	P45CG007	1.57	0.25	1.69	0.64	0.00	0.00	2.17	6.32								
P50																	
	P50HO001	0.10	0.02	0.50	0.19	0.00	0.00	0.14	0.95								
	P50HO003	0.13	0.03	0.80	0.30	0.00	0.00	0.19	1.45								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
P50	***cont.***																
	P50HO005	0.28	0.05	1.60	0.60	0.00	0.00	0.40	2.93								
	P50ML007	0.11	0.02	0.30	0.11	0.00	0.00	0.16	0.70								
	P50ML008	0.21	0.04	0.90	0.34	0.00	0.00	0.29	1.78								
	P50ML009	0.32	0.06	3.20	1.20	0.00	0.00	0.44	5.22								
	P50ML010	0.35	0.07	3.20	1.20	0.00	0.00	0.49	5.31								
	P50ML011	0.04	0.00	0.00	0.00	0.00	0.00	0.07	0.11								
	P50ML012	0.03	0.00	0.00	0.00	0.00	0.00	0.06	0.09								
	P50ML013	0.06	0.01	0.00	0.00	0.00	0.00	0.12	0.19								
	P50ML014	0.05	0.00	0.00	0.00	0.00	0.00	0.10	0.15								
	P50ML015	0.09	0.01	0.00	0.00	0.00	0.00	0.19	0.29								
	P50ML016	0.06	0.01	0.00	0.00	0.00	0.00	0.12	0.19								
	P50ML017	0.16	0.01	0.00	0.00	0.00	0.00	0.30	0.47								
	P50ML018	0.10	0.01	0.00	0.00	0.00	0.00	0.20	0.31								
	P50ML019	0.08	0.02	0.35	0.13	0.00	0.00	0.12	0.70								
	P50ML020	0.11	0.02	0.50	0.19	0.00	0.00	0.15	0.97								
	P50WC001	0.13	0.03	0.50	0.19	0.00	0.00	0.18	1.03								
	P50WC004	1.45	0.28	1.48	0.66	0.00	0.00	2.04	5.91								
	P50WC005	0.34	0.07	0.51	0.23	0.00	0.00	0.48	1.63								
	P50WN001	0.03	0.00	0.00	0.00	0.00	0.00	0.06	0.09								
	P50WN002	0.06	0.00	0.00	0.00	0.00	0.00	0.11	0.17								
	P50WN003	0.08	0.01	0.00	0.00	0.00	0.00	0.15	0.24								
	P50WN004	0.13	0.01	0.00	0.00	0.00	0.00	0.25	0.39								
P55																	
	P55GF001	1.16	0.28	0.93	0.42	0.00	0.00	1.82	4.61								
	P55GF002	1.47	0.35	0.93	0.42	0.00	0.00	2.31	5.48								
	P55GR001	0.19	0.05	0.08	0.04	0.00	0.00	0.18	0.54								
	P55GR002	0.25	0.06	0.21	0.11	0.00	0.00	0.23	0.86								
	P55GR003	0.94	0.22	1.06	0.56	0.00	0.00	0.88	3.66								
	P55GR004	1.15	0.27	2.54	1.34	0.00	0.00	1.08	6.38								
	P55WC007	0.04	0.01	0.02	0.01	0.00	0.00	0.04	0.12								
	P55WC008	0.07	0.02	0.04	0.02	0.00	0.00	0.07	0.22								
P60																	
	P60GF003	1.51	0.29	1.35	0.60	0.03	0.00	2.13	5.91								
	P60GF004	1.94	0.38	2.58	1.15	0.03	0.00	2.74	8.82								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
P60	***cont.***																
	P60GF005	2.36	0.46	3.51	1.57	0.03	0.00	3.33	11.26								
	P60GF006	2.71	0.53	4.66	2.08	0.05	0.01	3.84	13.88								
	P60GF008	1.53	0.30	1.35	0.60	0.03	0.00	2.17	5.98								
	P60HO002	0.07	0.01	0.35	0.13	0.00	0.00	0.10	0.66								
	P60HO003	0.12	0.02	0.80	0.30	0.00	0.00	0.17	1.41								
	P60ML002	1.10	0.21	1.27	0.57	0.00	0.00	1.55	4.70								
	P60ML003	1.57	0.30	8.49	3.20	0.00	0.00	2.21	15.77								
	P60ML005	2.16	0.42	3.60	1.61	0.00	0.00	3.05	10.84								
	P60ML006	2.39	0.46	3.47	1.55	0.00	0.00	3.37	11.24								
P65																	
	P65GR001	0.18	0.04	0.12	0.05	0.00	0.00	0.23	0.62								
	P65GR002	0.18	0.04	0.15	0.06	0.00	0.00	0.23	0.66								
	P65GR003	0.61	0.12	0.30	0.11	0.00	0.00	0.77	1.91								
	P65HO001	0.11	0.02	0.35	0.13	0.00	0.00	0.16	0.77								
	P65HO002	0.12	0.02	0.35	0.13	0.00	0.00	0.17	0.79								
P70																	
	P70AD001	0.12	0.02	0.20	0.08	0.00	0.00	0.16	0.58								
R10																	
	R10CA001	0.48	0.08	0.00	0.08	0.00	0.00	0.64	1.28	0.59	0.09	0.00	0.08	0.00	0.00	0.87	1.63
	R10CA002	0.02	0.00	0.00	0.00	0.00	0.00	0.03	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.04	0.07
	R10CA003	0.48	0.08	0.00	0.08	0.00	0.00	0.64	1.28	0.59	0.09	0.00	0.08	0.00	0.00	0.87	1.63
	R10CA004	0.02	0.00	0.00	0.00	0.00	0.00	0.03	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.04	0.07
	R10CA005	0.48	0.08	0.00	0.08	0.00	0.00	0.64	1.28	0.59	0.09	0.00	0.08	0.00	0.00	0.87	1.63
	R10CA006	0.02	0.00	0.00	0.00	0.00	0.00	0.03	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.04	0.07
	R10CA007	1.77	0.31	0.00	0.08	0.00	0.00	2.33	4.49	2.17	0.32	0.00	0.08	0.00	0.00	3.18	5.75
	R10CA008	0.09	0.02	0.00	0.00	0.00	0.00	0.12	0.23	0.11	0.02	0.00	0.00	0.00	0.00	0.16	0.29
	R10CA009	3.12	0.55	0.00	0.08	0.00	0.00	4.12	7.87	3.84	0.56	0.00	0.08	0.00	0.00	5.63	10.11
	R10CA010	0.15	0.03	0.00	0.00	0.00	0.00	0.20	0.38	0.19	0.03	0.00	0.00	0.00	0.00	0.27	0.49
	R10CA011	3.62	0.64	0.00	0.10	0.00	0.00	4.78	9.14	4.46	0.65	0.00	0.10	0.00	0.00	6.53	11.74
	R10CA012	3.75	0.66	0.00	0.10	0.00	0.00	4.95	9.46	4.62	0.68	0.00	0.10	0.00	0.00	6.76	12.16
	R10CA013	0.31	0.06	0.00	0.00	0.00	0.00	0.42	0.79	0.39	0.06	0.00	0.00	0.00	0.00	0.57	1.02
	R10CA014	4.83	0.85	0.00	0.16	0.00	0.00	6.38	12.22	5.95	0.87	0.00	0.16	0.00	0.00	8.72	15.70
	R10CA015	5.02	0.88	0.00	0.16	0.00	0.00	6.62	12.68	6.18	0.91	0.00	0.16	0.00	0.00	9.06	16.31

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
R10	***cont.***																
	R10CA016	0.31	0.06	0.00	0.00	0.00	0.00	0.42	0.79	0.39	0.06	0.00	0.00	0.00	0.00	0.57	1.02
	R10CA017	7.55	1.33	0.00	0.21	0.00	0.00	9.95	19.04	9.29	1.36	0.00	0.21	0.00	0.00	13.61	24.47
	R10CA018	7.98	1.40	0.00	0.22	0.00	0.00	10.52	20.12	9.82	1.44	0.00	0.22	0.00	0.00	14.39	25.87
	R10CA019	0.52	0.09	0.00	0.00	0.00	0.00	0.69	1.30	0.64	0.09	0.00	0.00	0.00	0.00	0.94	1.67
	R10CA020	9.72	1.71	0.00	0.23	0.00	0.00	12.81	24.47	11.96	1.75	0.00	0.23	0.00	0.00	17.52	31.46
	R10CA021	10.00	1.76	0.00	0.25	0.00	0.00	13.19	25.20	12.31	1.81	0.00	0.25	0.00	0.00	18.04	32.41
	R10CA022	0.57	0.10	0.00	0.00	0.00	0.00	0.76	1.43	0.71	0.10	0.00	0.00	0.00	0.00	1.03	1.84
R15																	
	R15SO001	7.47	1.88	0.00	0.40	2.43	0.40	7.82	20.40								
	R15SO002	7.56	2.07	0.00	0.45	3.97	0.66	8.08	22.79								
	R15SO003	11.38	2.89	0.00	0.67	3.97	0.66	11.96	31.53								
R20																	
	R20SO001	4.91	1.06	0.00	0.00	0.00	0.00	5.69	11.66								
R30																	
	R30BO003	10.27	1.88	3.07	0.87	0.82	0.14	10.50	27.55								
	R30CA003	20.52	4.41	6.68	1.89	0.00	0.00	23.78	57.28								
	R30CA005	30.60	6.58	9.56	2.70	0.00	0.00	35.46	84.90								
	R30CA006	32.06	6.89	9.56	2.70	0.00	0.00	37.15	88.36								
	R30CA009	43.91	9.44	14.36	4.06	0.00	0.00	50.88	122.65								
	R30CA010	5.95	1.07	2.43	0.69	0.34	0.06	6.06	16.60								
	R30CA011	6.95	1.25	3.25	0.92	0.35	0.06	7.07	19.85								
	R30CA012	19.36	4.16	6.68	1.89	0.00	0.00	22.43	54.52								
	R30CA013	32.90	7.07	9.56	2.70	0.00	0.00	38.12	90.35								
	R30HY001	6.17	1.11	2.31	0.65	0.28	0.05	6.29	16.86								
	R30HY002	3.62	0.78	1.52	0.43	0.00	0.00	4.20	10.55								
	R30HY003	4.46	0.96	1.52	0.43	0.00	0.00	5.17	12.54								
	R30HY004	5.42	1.16	2.28	0.64	0.00	0.00	6.28	15.78								
	R30HY005	5.62	1.21	2.28	0.64	0.00	0.00	6.51	16.26								
	R30HY006	6.24	1.34	2.13	0.60	0.00	0.00	7.23	17.54								
	R30HY007	6.62	1.42	2.13	0.60	0.00	0.00	7.67	18.44								
	R30RS001	0.75	0.16	0.94	0.27	0.00	0.00	0.87	2.99								
	R30RS002	0.96	0.21	1.44	0.41	0.00	0.00	1.11	4.13								
	R30RS003	6.18	1.11	2.28	0.64	0.28	0.05	6.30	16.84								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
R30	***cont.***																
	R30SI001	4.45	0.80	0.55	0.16	0.17	0.03	4.53	10.69								
	R30SI002	8.36	1.50	2.76	0.78	0.39	0.06	8.51	22.36								
	R30SI003	10.40	1.86	2.82	0.80	0.39	0.06	10.59	26.92								
	R30SI004	13.55	2.44	3.37	0.95	0.69	0.11	13.80	34.91								
	R30SI005	8.38	1.80	1.97	0.56	0.00	0.00	9.71	22.42								
R40																	
	R40SO001	7.75	1.36	2.12	0.80	0.00	0.00	8.98	21.01								
	R40SO002	11.33	1.99	3.17	1.19	0.00	0.00	13.13	30.81								
R45																	
	R45BO001	4.16	0.73	1.40	0.53	0.00	0.00	6.63	13.45								
	R45BO004	12.40	2.18	4.70	1.77	0.00	0.00	19.77	40.82								
	R45BO005	13.14	2.31	4.70	1.77	0.00	0.00	20.93	42.85								
	R45BO006	9.95	1.75	3.13	1.18	0.00	0.00	15.86	31.87								
	R45BO007	10.20	1.79	3.13	1.18	0.00	0.00	16.26	32.56								
	R45CA001	3.47	0.61	1.40	0.53	0.00	0.00	5.53	11.54								
	R45CA002	4.04	0.71	1.40	0.53	0.00	0.00	6.44	13.12								
	R45CA005	9.89	1.74	3.09	1.16	0.00	0.00	15.76	31.64								
	R45CA007	12.42	2.18	4.23	1.59	0.00	0.00	19.79	40.21								
	R45CA009	13.38	2.39	6.14	2.31	0.48	0.08	21.40	46.18								
	R45CA010	14.95	2.63	5.59	2.10	0.00	0.00	23.83	49.10								
	R45DY002	9.98	1.76	1.31	0.49	0.00	0.00	15.91	29.45								
	R45DY003	12.39	2.18	5.21	1.96	0.00	0.00	19.75	41.49								
	R45DY004	18.20	3.20	8.89	3.35	0.00	0.00	29.01	62.65								
	R45HY002	12.94	2.27	5.29	1.99	0.00	0.00	20.62	43.11								
	R45IN004	10.31	1.81	3.22	1.21	0.00	0.00	16.43	32.98								
	R45IN005	11.80	2.08	4.74	1.78	0.00	0.00	18.81	39.21								
	R45RS001	1.37	0.24	2.00	0.75	0.00	0.00	2.19	6.55								
	R45SI001	2.68	0.47	0.30	0.11	0.00	0.00	4.26	7.82								
	R45SI002	4.21	0.74	1.02	0.38	0.00	0.00	6.71	13.06								
	R45SI003	5.41	0.95	1.14	0.43	0.00	0.00	8.61	16.54								
	R45SI004	8.67	1.52	3.09	1.16	0.00	0.00	13.82	28.26								
	R45SI005	11.60	2.04	4.40	1.66	0.00	0.00	18.48	38.18								
	R45SI006	14.78	2.60	4.74	1.78	0.00	0.00	23.55	47.45								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
R50																	
	R50CA001	6.66	1.18	3.39	1.28	0.12	0.02	9.66	22.31								
	R50CA002	7.59	1.34	3.39	1.28	0.12	0.02	11.01	24.75								
	R50CA003	8.13	1.45	4.53	1.71	0.22	0.04	11.80	27.88								
	R50CA004	9.34	1.66	4.53	1.71	0.22	0.04	13.56	31.06								
	R50CA005	9.33	1.66	4.53	1.71	0.22	0.04	13.55	31.04								
	R50CA009	12.12	2.17	6.14	2.31	0.48	0.08	17.62	40.92								
	R50CA011	14.89	2.66	6.14	2.31	0.48	0.08	21.63	48.19								
	R50DY001	8.22	1.46	4.15	1.56	0.24	0.04	11.94	27.61								
	R50DY002	8.89	1.58	4.15	1.56	0.18	0.03	12.90	29.29								
	R50DY003	9.81	1.76	6.39	2.41	0.48	0.08	14.28	35.21								
	R50DY004	11.13	2.00	6.39	2.41	0.48	0.08	16.19	38.68								
	R50DY005	10.66	1.91	6.39	2.41	0.48	0.08	15.51	37.44								
	R50DY006	14.58	2.60	6.52	2.45	0.48	0.08	21.18	47.89								
	R50HY005	6.68	1.19	3.17	1.19	0.18	0.03	9.70	22.14								
	R50HY007	8.69	1.55	4.53	1.71	0.17	0.03	12.62	29.30								
	R50HY008	9.77	1.73	4.53	1.71	0.16	0.03	14.18	32.11								
	R50HY009	12.81	2.29	6.31	2.38	0.48	0.08	18.62	42.97								
	R50HY012	13.86	2.48	6.31	2.38	0.48	0.08	20.14	45.73								
	R50IN001	7.12	1.27	3.22	1.21	0.18	0.03	10.34	23.37								
	R50SI001	4.40	0.78	1.02	0.38	0.07	0.01	6.38	13.04								
	R50SI002	5.35	0.95	1.14	0.43	0.10	0.02	7.78	15.77								
	R50SI003	8.62	1.53	3.09	1.16	0.10	0.02	12.50	27.02								
	R50SI004	11.44	2.02	3.85	1.45	0.10	0.02	16.59	35.47								
	R50SI005	16.82	2.97	3.64	1.37	0.10	0.02	24.38	49.30								
	R50SI006	6.37	1.14	2.58	0.97	0.19	0.03	9.26	20.54								
	R50SI007	6.97	1.24	2.58	0.97	0.19	0.03	10.12	22.10								
	R50SI008	7.63	1.39	3.64	1.37	0.54	0.09	11.12	25.78								
	R50SI009	8.55	1.55	3.64	1.37	0.54	0.09	12.46	28.20								
	R50SI010	8.66	1.54	3.64	1.37	0.22	0.04	12.57	28.04								
	R50SI011	9.24	1.64	3.64	1.37	0.21	0.03	13.41	29.54								
	R50SI012	10.23	1.82	3.64	1.37	0.21	0.03	14.85	32.15								
	R50SI013	9.18	1.65	4.99	1.88	0.45	0.07	13.36	31.58								
	R50SI014	10.06	1.81	4.99	1.88	0.45	0.07	14.63	33.89								
	R50SI015	9.68	1.72	4.99	1.88	0.21	0.03	14.06	32.57								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
R50	***cont.***																
	R50SI016	10.75	1.93	4.99	1.88	0.45	0.07	15.64	35.71								
	R50SI017	12.25	2.19	4.99	1.88	0.45	0.07	17.81	39.64								
	R50SI018	21.32	3.79	6.90	2.60	0.45	0.07	30.95	66.08								
	R50SI019	22.52	4.00	6.90	2.60	0.45	0.07	32.69	69.23								
R55																	
	R55AE001	0.95	0.12	0.53	3.45	0.03	0.00	1.06	6.14								
	R55AE002	1.35	0.17	0.53	5.15	0.03	0.00	1.50	8.73								
	R55AE003	1.52	0.20	0.53	6.75	0.06	0.01	1.69	10.76								
	R55AE004	1.82	0.24	0.53	7.15	0.15	0.02	2.03	11.94								
	R55AE008	0.66	0.08	0.53	0.15	0.00	0.00	0.73	2.15								
	R55AE009	0.24	0.03	0.60	0.17	0.00	0.00	0.27	1.31								
	R55AE010	0.44	0.06	1.07	0.30	0.00	0.00	0.49	2.36								
	R55GL001	0.39	0.05	0.00	0.50	0.03	0.00	0.43	1.40								
	R55GL002	1.31	0.17	0.33	0.59	0.03	0.00	1.45	3.88								
	R55GL003	1.72	0.22	0.60	0.92	0.03	0.00	1.90	5.39								
	R55GL004	1.90	0.25	0.60	1.17	0.06	0.01	2.11	6.10								
	R55GL007	1.56	0.20	1.20	0.34	0.00	0.00	1.72	5.02								
	R55GL008	0.37	0.05	0.33	0.09	0.00	0.00	0.41	1.25								
	R55GL009	0.29	0.04	0.53	0.15	0.00	0.00	0.33	1.34								
	R55GL011	0.80	0.10	1.07	0.30	0.00	0.00	0.89	3.16								
	R55GL012	1.53	0.19	0.60	0.92	0.03	0.00	1.69	4.96								
	R55GL013	0.14	0.02	0.00	0.25	0.03	0.00	0.16	0.60								
	R55GL014	0.37	0.05	0.00	0.35	0.00	0.00	0.40	1.17								
	R55GL015	1.11	0.14	0.60	0.17	0.00	0.00	1.23	3.25								
	R55GL016	0.75	0.09	0.60	0.17	0.00	0.00	0.83	2.44								
	R55GL017	0.23	0.03	0.33	0.09	0.00	0.00	0.26	0.94								
	R55GL018	0.24	0.03	0.33	0.09	0.00	0.00	0.27	0.96								
	R55GL019	0.44	0.05	0.53	0.15	0.00	0.00	0.48	1.65								
S10																	
	S10CA001	16.92	3.78	5.31	2.50	2.46	0.41	19.01	50.39	21.15	3.87	7.08	3.33	4.06	0.68	25.37	65.54
	S10CA002	25.95	5.33	8.05	3.03	4.83	0.80	23.77	71.76	32.43	5.47	10.73	4.04	8.02	1.34	32.02	94.05
	S10CA003	39.22	7.96	11.08	4.17	5.53	0.92	35.87	104.75	49.02	8.17	14.78	5.56	9.20	1.53	48.32	136.58
	S10ID001	20.00	4.43	5.01	2.36	2.42	0.40	22.44	57.06	25.00	4.53	6.68	3.14	4.00	0.67	29.94	73.96
	S10JD001	16.78	3.74	5.46	2.57	2.34	0.39	18.86	50.14	20.98	3.83	7.29	3.43	3.88	0.65	25.16	65.22

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
S10	***cont.***																
	S10JD002	25.71	5.30	8.14	3.06	5.16	0.86	23.57	71.80	32.13	5.44	10.85	4.09	8.58	1.43	31.75	94.27
S15																	
	S15CA001	19.96	6.66	10.41	3.92	5.99	1.00	18.28	66.22	28.28	6.84	13.43	5.06	9.95	1.66	27.91	93.13
	S15CA002	30.52	10.14	12.83	4.83	8.32	1.39	27.93	95.96	43.23	10.42	16.56	6.24	13.83	2.30	42.64	135.22
	S15CA003	40.03	13.25	16.94	6.38	9.97	1.66	36.62	124.85	56.71	13.62	21.86	8.23	16.57	2.76	55.91	175.66
	S15TE001	26.19	8.80	13.69	5.15	8.97	1.49	24.02	88.31	37.11	9.04	17.66	6.65	14.91	2.48	36.66	124.51
S20																	
	S20CA001	23.18	7.68	16.34	5.00	7.94	1.32	21.21	82.67	32.83	7.90	21.44	6.56	13.80	2.30	32.37	117.20
	S20CA002	24.66	8.16	16.34	5.00	7.94	1.32	22.56	85.98	34.94	8.38	21.44	6.56	13.80	2.30	34.44	121.86
	S20CA003	38.91	12.81	20.61	6.30	11.05	1.84	35.57	127.09	55.12	13.17	27.05	8.28	19.19	3.20	54.29	180.30
	S20CA004	40.66	13.37	20.61	6.30	11.05	1.84	37.16	130.99	57.60	13.74	27.05	8.28	19.19	3.20	56.73	185.79
	S20CA005	48.76	16.03	27.97	8.55	13.23	2.20	44.56	161.30	69.08	16.48	36.71	11.23	22.97	3.82	68.03	228.32
	S20CA006	52.17	17.00	27.97	8.55	10.11	1.68	47.61	165.09	73.91	17.47	36.71	11.23	17.56	2.92	72.68	232.48
	S20TE001	17.52	5.82	8.53	2.61	6.40	1.07	16.04	57.99	24.82	5.99	11.21	3.43	11.12	1.85	24.49	82.91
	S20TE002	34.13	11.37	21.78	6.66	13.27	2.21	31.25	120.67	48.34	11.69	28.60	8.74	23.05	3.84	47.71	171.97
S25																	
	S25RM001	6.51	1.84	0.00	1.51	2.07	0.34	6.93	19.20	7.81	1.87	0.00	1.51	2.70	0.45	8.90	23.24
	S25RM002	7.17	2.06	0.00	1.51	2.64	0.44	7.66	21.48	8.61	2.09	0.00	1.51	3.44	0.57	9.85	26.07
	S25RM003	4.91	1.47	0.00	1.51	2.47	0.41	5.30	16.07	5.89	1.49	0.00	1.51	3.23	0.54	6.81	19.47
S30																	
	S30HW001	21.92	4.29	7.64	7.55	0.00	0.00	30.28	71.68								
	S30HW002	29.57	5.78	10.69	10.16	0.00	0.00	40.84	97.04								
	S30HW003	21.92	4.29	10.63	5.50	0.00	0.00	30.28	72.62								
	S30HW004	29.57	5.78	14.88	7.40	0.00	0.00	40.84	98.47								
	S30HW005	11.89	2.33	1.22	2.65	0.00	0.00	16.43	34.52								
	S30HW006	19.79	3.87	3.06	4.62	0.00	0.00	27.33	58.67								
	S30HW007	21.50	4.21	3.82	5.52	0.00	0.00	29.70	64.75								
	S30HW008	22.46	4.39	3.82	6.02	0.00	0.00	31.02	67.71								
	S30HW009	23.30	4.56	4.58	6.93	0.00	0.00	32.19	71.56								
	S30HW010	28.39	5.55	6.11	8.24	0.00	0.00	39.21	87.50								
	S30HW011	27.84	5.44	6.11	7.99	0.00	0.00	38.45	85.83								
	S30HW012	32.89	6.43	6.11	8.74	0.00	0.00	45.42	99.59								
	S30HW013	26.41	5.16	13.75	14.78	0.00	0.00	36.47	96.57								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
S30	***cont.***																
	S30HW014	8.14	1.75	0.46	1.74	0.00	0.00	9.57	21.66								
	S30HW015	8.96	1.92	0.76	2.20	0.00	0.00	10.52	24.36								
	S30HW016	8.47	1.82	0.61	1.92	0.00	0.00	9.95	22.77								
	S30HW017	9.12	1.96	0.76	2.25	0.00	0.00	10.72	24.81								
	S30HW018	10.82	2.33	1.22	2.65	0.00	0.00	12.72	29.74								
	S30KB001	2.08	0.47	0.46	1.24	0.24	0.04	2.16	6.69								
	S30KB002	2.25	0.52	0.46	1.24	0.38	0.06	2.34	7.25								
	S30KB003	2.21	0.50	0.76	1.65	0.27	0.04	2.30	7.73								
	S30KB004	2.49	0.57	0.76	1.65	0.44	0.07	2.60	8.58								
	S30KB005	2.58	0.60	0.92	1.84	0.48	0.08	2.70	9.20								
	S30KB006	3.03	0.70	1.22	2.15	0.52	0.09	3.16	10.87								
	S30KB008	4.51	1.03	0.61	1.67	0.59	0.10	4.70	13.21								
	S30KB009	5.62	1.28	0.61	1.67	0.76	0.13	5.85	15.92								
	S30KB011	4.67	1.08	0.92	1.99	0.78	0.13	4.87	14.44								
	S30KB012	6.78	1.54	1.22	2.25	0.85	0.14	7.04	19.82								
	S30KB014	6.63	1.51	1.53	2.51	0.86	0.14	6.89	20.07								
	S30KB015	7.48	1.70	1.83	2.77	0.94	0.16	7.77	22.65								
	S30KB018	5.62	1.26	0.76	1.75	0.58	0.10	5.83	15.90								
	S30KB021	6.62	1.48	1.22	2.15	0.69	0.11	6.86	19.13								
	S30KB024	7.79	1.74	1.83	2.92	0.80	0.13	8.07	23.28								
	S30KB025	4.01	0.90	0.61	1.57	0.41	0.07	4.15	11.72								
	S30KB026	4.78	1.07	0.61	1.62	0.46	0.08	4.95	13.57								
	S30KB027	6.04	1.35	0.76	1.80	0.58	0.10	6.26	16.89								
	S30KB028	4.56	1.02	0.92	1.99	0.47	0.08	4.73	13.77								
	S30KB029	5.63	1.26	0.92	1.99	0.54	0.09	5.83	16.26								
	S30KB030	7.13	1.59	1.22	2.25	0.69	0.11	7.38	20.37								
	S30KB031	5.96	1.33	1.53	2.56	0.55	0.09	6.17	18.19								
	S30KB032	7.19	1.60	1.53	2.66	0.63	0.10	7.44	21.15								
	S30KB033	8.38	1.87	1.83	2.87	0.80	0.13	8.68	24.56								
	S30KB034	17.14	3.39	3.51	4.36	0.40	0.07	23.71	52.58								
	S30KB035	17.56	3.49	4.28	5.27	0.61	0.10	24.31	55.62								
	S30KB036	19.93	3.95	4.28	5.27	0.61	0.10	27.58	61.72								
	S30KB037	5.41	1.19	2.22	2.73	0.27	0.04	6.38	18.24								
	S30KB038	5.67	1.26	2.22	2.73	0.37	0.06	6.70	19.01								
	S30KB039	7.53	1.65	2.31	3.01	0.34	0.06	8.89	23.79								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
S30	***cont.***																
	S30KB040	8.02	1.76	2.31	3.01	0.37	0.06	9.46	24.99								
	S30KL001	5.73	1.24	0.00	2.50	0.06	0.01	6.74	16.28								
	S30KL002	7.15	1.55	0.00	3.00	0.09	0.01	8.42	20.22								
	S30KL003	8.91	1.93	0.00	3.50	0.09	0.01	10.48	24.92								
	S30RA002	4.82	1.04	0.76	1.50	0.07	0.01	5.68	13.88								
	S30RA003	7.46	1.62	1.49	2.24	0.13	0.02	8.78	21.74								
	S30RA004	9.65	2.09	1.49	2.49	0.13	0.02	11.35	27.22								
	S30TS001	2.55	0.58	0.31	1.16	0.41	0.07	2.66	7.74								
	S30TS002	2.89	0.65	0.46	1.24	0.32	0.05	3.00	8.61								
	S30TS003	2.67	0.62	0.31	1.41	0.47	0.08	2.78	8.34								
	S30TS004	3.07	0.69	0.61	1.57	0.37	0.06	3.19	9.56								
	S30TS005	2.82	0.65	0.61	1.32	0.55	0.09	2.94	8.98								
	S30TS006	3.29	0.75	0.61	1.82	0.42	0.07	3.42	10.38								
	S30TS007	2.93	0.66	0.61	1.32	0.37	0.06	3.04	8.99								
	S30TS008	3.39	0.77	0.76	1.90	0.47	0.08	3.52	10.89								
	S30TS009	19.43	3.80	9.16	7.85	0.00	0.00	26.84	67.08								
	S30TS010	28.88	5.65	12.22	10.47	0.00	0.00	39.88	97.10								
	S30TS011	48.35	9.46	24.44	20.94	0.00	0.00	66.78	169.97								
	S30TS012	15.29	2.99	6.11	5.74	0.00	0.00	21.12	51.25								
	S30TS013	16.41	3.21	6.11	5.74	0.00	0.00	22.66	54.13								
	S30TS014	21.09	4.12	7.64	7.05	0.00	0.00	29.13	69.03								
	S30TS015	21.52	4.21	7.64	7.05	0.00	0.00	29.72	70.14								
	S30TS016	30.00	5.87	9.16	8.35	0.00	0.00	41.43	94.81								
	S30TS017	31.19	6.10	9.16	8.35	0.00	0.00	43.08	97.88								
	S30TS020	9.06	1.77	3.06	4.12	0.00	0.00	12.51	30.52								
	S30TS021	12.68	2.48	6.11	6.24	0.00	0.00	17.51	45.02								
	S30TS022	15.44	3.02	9.16	8.85	0.00	0.00	21.33	57.80								
	S30TS023	19.70	3.85	12.22	11.47	0.00	0.00	27.21	74.45								
	S30TS025	45.08	8.82	12.22	11.47	0.00	0.00	62.27	139.86								
	S30TS026	45.66	8.93	15.28	13.09	0.00	0.00	63.07	146.03								
S35																	
	S35AR001	0.27	0.05	0.00	0.00	0.00	0.00	0.31	0.63								
	S35AR002	0.40	0.07	0.00	0.00	0.00	0.00	0.47	0.94								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
S40																	
	S40CA001	17.78	3.84	10.17	3.35	0.31	0.05	22.49	57.99	22.22	3.93	13.56	4.47	0.49	0.08	31.42	76.17
	S40CA002	18.33	4.02	10.17	3.35	1.16	0.19	23.26	60.48	22.91	4.11	13.56	4.47	1.82	0.30	32.49	79.66
	S40SI020	60.81	13.16	10.32	3.40	1.79	0.30	76.95	166.73	76.01	13.46	13.76	4.53	3.03	0.50	107.51	218.80
	S40SI021	57.69	12.47	11.54	3.80	1.34	0.22	72.99	160.05	72.12	12.75	15.38	5.07	2.28	0.38	101.98	209.96
S45																	
	S45DA004	1.86	0.25	0.00	0.25	0.00	0.00	2.73	5.09								
	S45DA005	1.93	0.26	0.00	0.25	0.00	0.00	2.83	5.27								
	S45DA006	1.88	0.26	0.00	0.25	0.00	0.00	2.76	5.15								
	S45DA007	1.95	0.27	0.00	0.25	0.00	0.00	2.86	5.33								
T10																	
	T10CA001	0.93	0.20	0.00	0.08	0.00	0.00	1.09	2.30	1.16	0.20	0.00	0.08	0.00	0.00	1.54	2.98
	T10CA002	0.80	0.17	0.00	0.08	0.00	0.00	0.93	1.98	1.00	0.18	0.00	0.08	0.00	0.00	1.31	2.57
	T10CA004	1.02	0.22	0.00	0.08	0.00	0.00	1.19	2.51	1.27	0.22	0.00	0.08	0.00	0.00	1.68	3.25
	T10CA005	1.42	0.31	0.00	0.08	0.00	0.00	1.67	3.48	1.78	0.31	0.00	0.08	0.00	0.00	2.35	4.52
	T10CA007	1.12	0.24	0.00	0.08	0.00	0.00	1.31	2.75	1.40	0.25	0.00	0.08	0.00	0.00	1.85	3.58
	T10CA008	1.96	0.42	0.00	0.08	0.00	0.00	2.30	4.76	2.45	0.43	0.00	0.08	0.00	0.00	3.23	6.19
	T10CA009	1.80	0.39	0.00	0.08	0.00	0.00	2.12	4.39	2.26	0.40	0.00	0.08	0.00	0.00	2.97	5.71
	T10CA010	1.96	0.42	0.00	0.08	0.00	0.00	2.29	4.75	2.45	0.43	0.00	0.08	0.00	0.00	3.23	6.19
	T10CA011	2.55	0.55	0.00	0.08	0.00	0.00	2.99	6.17	3.19	0.56	0.00	0.08	0.00	0.00	4.21	8.04
	T10CA012	2.71	0.58	0.00	0.08	0.00	0.00	3.18	6.55	3.39	0.60	0.00	0.08	0.00	0.00	4.47	8.54
	T10CA013	2.97	0.64	0.00	0.08	0.00	0.00	3.49	7.18	3.72	0.65	0.00	0.08	0.00	0.00	4.90	9.35
	T10CA014	2.81	0.60	0.00	0.08	0.00	0.00	3.29	6.78	3.51	0.62	0.00	0.08	0.00	0.00	4.63	8.84
	T10CA015	3.20	0.69	0.00	0.10	0.00	0.00	3.75	7.74	4.00	0.70	0.00	0.10	0.00	0.00	5.28	10.08
	T10CA016	3.24	0.70	0.00	0.12	0.00	0.00	3.79	7.85	4.04	0.71	0.00	0.12	0.00	0.00	5.33	10.20
	T10CA017	3.50	0.75	0.00	0.13	0.00	0.00	4.11	8.49	4.38	0.77	0.00	0.13	0.00	0.00	5.77	11.05
	T10CA018	3.15	0.68	0.00	0.13	0.00	0.00	3.69	7.65	3.94	0.69	0.00	0.13	0.00	0.00	5.19	9.95
	T10CA019	0.09	0.02	0.00	0.05	0.00	0.00	0.11	0.27	0.11	0.02	0.00	0.05	0.00	0.00	0.15	0.33
	T10CA020	3.20	0.69	0.00	0.15	0.00	0.00	3.75	7.79	4.00	0.70	0.00	0.15	0.00	0.00	5.28	10.13
	T10CA021	4.64	1.00	0.00	0.19	0.00	0.00	5.44	11.27	5.80	1.02	0.00	0.19	0.00	0.00	7.65	14.66
	T10CA022	5.04	1.08	0.00	0.19	0.00	0.00	5.91	12.22	6.31	1.11	0.00	0.19	0.00	0.00	8.32	15.93
	T10CA023	3.70	0.79	0.00	0.20	0.00	0.00	4.33	9.02	4.62	0.81	0.00	0.20	0.00	0.00	6.09	11.72
	T10CA024	6.25	1.34	0.00	0.28	0.00	0.00	7.32	15.19	7.81	1.37	0.00	0.28	0.00	0.00	10.30	19.76
	T10CA025	6.48	1.39	0.00	0.29	0.00	0.00	7.60	15.76	8.10	1.42	0.00	0.29	0.00	0.00	10.68	20.49

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T10	***cont.***																
	T10CA026	9.48	2.04	0.00	0.40	0.00	0.00	11.12	23.04	11.86	2.08	0.00	0.40	0.00	0.00	15.63	29.97
	T10CA027	10.37	2.23	0.00	0.42	0.00	0.00	12.16	25.18	12.96	2.28	0.00	0.42	0.00	0.00	17.09	32.75
	T10ID001	1.70	0.37	0.00	0.05	0.00	0.00	2.00	4.12	2.13	0.37	0.00	0.05	0.00	0.00	2.81	5.36
	T10ID002	1.93	0.42	0.00	0.05	0.00	0.00	2.26	4.66	2.41	0.42	0.00	0.05	0.00	0.00	3.18	6.06
	T10ID003	2.86	0.61	0.00	0.05	0.00	0.00	3.35	6.87	3.57	0.63	0.00	0.05	0.00	0.00	4.71	8.96
	T10ID004	3.11	0.67	0.00	0.05	0.00	0.00	3.65	7.48	3.89	0.68	0.00	0.05	0.00	0.00	5.13	9.75
	T10ID005	4.01	0.86	0.00	0.10	0.00	0.00	4.70	9.67	5.01	0.88	0.00	0.10	0.00	0.00	6.61	12.60
	T10ID006	4.44	0.95	0.00	0.12	0.00	0.00	5.21	10.72	5.55	0.98	0.00	0.12	0.00	0.00	7.32	13.97
	T10ID007	4.29	0.92	0.00	0.08	0.00	0.00	5.03	10.32	5.36	0.94	0.00	0.08	0.00	0.00	7.07	13.45
	T10ID008	4.82	1.04	0.00	0.13	0.00	0.00	5.65	11.64	6.02	1.06	0.00	0.13	0.00	0.00	7.94	15.15
	T10JD001	0.48	0.10	0.00	0.00	0.00	0.00	0.57	1.15	0.61	0.11	0.00	0.00	0.00	0.00	0.80	1.52
	T10LE001	0.51	0.11	0.00	0.00	0.00	0.00	0.60	1.22	0.64	0.11	0.00	0.00	0.00	0.00	0.84	1.59
	T10LE002	0.58	0.12	0.00	0.00	0.00	0.00	0.68	1.38	0.72	0.13	0.00	0.00	0.00	0.00	0.95	1.80
	T10LE003	0.63	0.13	0.00	0.00	0.00	0.00	0.74	1.50	0.78	0.14	0.00	0.00	0.00	0.00	1.03	1.95
	T10LE004	1.07	0.23	0.00	0.00	0.00	0.00	1.25	2.55	1.33	0.23	0.00	0.00	0.00	0.00	1.76	3.32
	T10LE005	1.19	0.26	0.00	0.00	0.00	0.00	1.40	2.85	1.49	0.26	0.00	0.00	0.00	0.00	1.96	3.71
T15																	
	T15CA002	6.40	1.51	2.32	0.98	0.00	0.00	12.00	23.21	8.00	1.54	3.03	1.28	0.00	0.00	16.25	30.10
	T15CA005	7.18	1.70	2.65	1.12	0.00	0.00	13.46	26.11	8.97	1.73	3.46	1.47	0.00	0.00	18.23	33.86
	T15CA008	12.33	2.92	4.64	1.97	0.00	0.00	23.12	44.98	15.41	2.98	6.05	2.56	0.00	0.00	31.31	58.31
	T15CA009	14.45	3.42	5.46	2.31	0.00	0.00	27.10	52.74	18.06	3.49	7.13	3.02	0.00	0.00	36.70	68.40
	T15CA010	13.23	3.13	5.46	2.31	0.00	0.00	24.82	48.95	16.54	3.19	7.13	3.02	0.00	0.00	33.60	63.48
	T15CA011	16.78	3.97	6.13	2.60	0.00	0.00	31.48	60.96	20.97	4.05	8.00	3.39	0.00	0.00	42.62	79.03
	T15CA012	22.06	5.22	7.62	3.23	0.00	0.00	41.38	79.51	27.57	5.32	9.95	4.21	0.00	0.00	56.02	103.07
	T15CA014	15.42	5.71	7.95	2.62	0.00	0.00	22.60	54.30	18.51	5.78	10.38	3.42	0.00	0.00	29.82	67.91
	T15CA016	16.21	6.01	10.10	3.33	0.00	0.00	23.75	59.40	19.46	6.07	13.19	4.35	0.00	0.00	31.35	74.42
	T15CA017	22.29	8.26	13.41	4.42	0.00	0.00	32.65	81.03	26.74	8.35	17.51	5.77	0.00	0.00	43.09	101.46
	T15CA018	26.26	10.68	18.88	5.33	0.00	0.00	39.82	100.97	38.52	10.93	24.65	6.96	0.00	0.00	63.76	144.82
	T15CA019	42.64	17.34	28.15	7.95	0.00	0.00	64.67	160.75	62.54	17.75	36.75	10.38	0.00	0.00	103.53	230.95
	T15CA020	6.35	1.50	2.65	1.12	0.00	0.00	11.92	23.54	7.94	1.53	3.46	1.47	0.00	0.00	16.14	30.54
	T15CA021	6.81	1.61	2.98	1.26	0.00	0.00	12.77	25.43	8.51	1.64	3.89	1.65	0.00	0.00	17.29	32.98
	T15CA022	7.36	1.74	2.98	1.26	0.00	0.00	13.80	27.14	9.20	1.78	3.89	1.65	0.00	0.00	18.69	35.21
	T15CS004	6.01	1.42	2.22	0.94	0.00	0.00	11.28	21.87	7.52	1.45	2.90	1.23	0.00	0.00	15.27	28.37
	T15CS005	6.99	1.65	2.65	1.12	0.00	0.00	13.12	25.53	8.74	1.69	3.46	1.47	0.00	0.00	17.77	33.13

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T15	***cont.***																
	T15CS006	7.83	1.85	2.95	1.25	0.00	0.00	14.69	28.57	9.79	1.89	3.85	1.63	0.00	0.00	19.89	37.05
	T15CS007	10.59	2.50	3.91	1.66	0.00	0.00	19.86	38.52	13.23	2.56	5.10	2.16	0.00	0.00	26.89	49.94
	T15FI003	8.24	1.95	3.54	1.50	0.00	0.00	15.45	30.68	10.30	1.99	4.63	1.96	0.00	0.00	20.92	39.80
	T15FI014	10.52	2.49	4.14	1.75	0.00	0.00	19.74	38.64	13.15	2.54	5.41	2.29	0.00	0.00	26.72	50.11
	T15FI015	11.94	2.82	5.53	2.34	0.00	0.00	22.39	45.02	14.92	2.88	7.22	3.06	0.00	0.00	30.32	58.40
	T15FI016	9.88	3.66	7.98	2.63	0.00	0.00	14.47	38.62	11.85	3.70	10.42	3.43	0.00	0.00	19.10	48.50
	T15ID001	5.93	1.40	2.32	0.98	0.00	0.00	11.13	21.76	7.41	1.43	3.03	1.28	0.00	0.00	15.06	28.21
	T15ID002	6.67	1.58	2.65	1.12	0.00	0.00	12.52	24.54	8.34	1.61	3.46	1.47	0.00	0.00	16.95	31.83
	T15ID003	11.15	2.64	4.14	1.75	0.00	0.00	20.93	40.61	13.94	2.69	5.41	2.29	0.00	0.00	28.33	52.66
	T15ID004	14.18	3.35	4.64	1.97	0.00	0.00	26.60	50.74	17.73	3.42	6.05	2.56	0.00	0.00	36.02	65.78
	T15ID005	22.91	5.42	7.45	3.16	0.00	0.00	42.98	81.92	28.64	5.53	9.73	4.12	0.00	0.00	58.20	106.22
	T15ID006	19.06	7.06	10.60	3.49	0.00	0.00	27.93	68.14	22.88	7.14	13.84	4.56	0.00	0.00	36.86	85.28
	T15ID008	26.34	10.71	17.22	4.86	0.00	0.00	39.94	99.07	38.63	10.96	22.48	6.35	0.00	0.00	63.94	142.36
	T15JD001	4.26	1.01	1.99	0.84	0.00	0.00	8.00	16.10	5.33	1.03	2.59	1.10	0.00	0.00	10.83	20.88
	T15JD002	5.02	1.19	2.32	0.98	0.00	0.00	9.42	18.93	6.28	1.21	3.03	1.28	0.00	0.00	12.76	24.56
	T15JD003	6.11	1.45	2.65	1.12	0.00	0.00	11.47	22.80	7.64	1.48	3.46	1.47	0.00	0.00	15.53	29.58
	T15JD004	6.77	1.60	2.98	1.26	0.00	0.00	12.71	25.32	8.47	1.64	3.89	1.65	0.00	0.00	17.21	32.86
	T15JD005	12.13	2.87	4.64	1.97	0.00	0.00	22.75	44.36	15.16	2.93	6.05	2.56	0.00	0.00	30.80	57.50
	T15JD006	12.59	2.98	4.64	1.97	0.00	0.00	23.61	45.79	15.73	3.04	6.05	2.56	0.00	0.00	31.97	59.35
	T15JD007	14.87	3.52	6.13	2.60	0.00	0.00	27.89	55.01	18.59	3.59	8.00	3.39	0.00	0.00	37.77	71.34
	T15JD008	16.44	3.89	6.13	2.60	0.00	0.00	30.84	59.90	20.55	3.97	8.00	3.39	0.00	0.00	41.75	77.66
	T15KM001	7.07	1.67	2.32	0.98	0.00	0.00	13.27	25.31	8.84	1.71	3.03	1.28	0.00	0.00	17.97	32.83
	T15KM002	7.38	1.75	2.65	1.12	0.00	0.00	13.84	26.74	9.22	1.78	3.46	1.47	0.00	0.00	18.74	34.67
	T15KM003	12.80	3.03	4.31	1.83	0.00	0.00	24.01	45.98	16.00	3.09	5.62	2.38	0.00	0.00	32.51	59.60
	T15KM007	24.12	5.71	7.45	3.16	0.00	0.00	45.26	85.70	30.15	5.82	9.73	4.12	0.00	0.00	61.27	111.09
	T15KM008	19.60	7.26	10.00	3.29	0.00	0.00	28.71	68.86	23.52	7.34	13.06	4.30	0.00	0.00	37.90	86.12
	T15KM011	47.05	19.13	25.50	7.20	0.00	0.00	71.34	170.22	69.00	19.58	33.29	9.40	0.00	0.00	114.22	245.49
	T15KM012	26.76	9.92	13.41	4.42	0.00	0.00	39.20	93.71	32.11	10.02	17.51	5.77	0.00	0.00	51.74	117.15
	T15KM013	22.39	5.30	6.29	2.66	0.00	0.00	42.01	78.65	27.99	5.41	8.22	3.48	0.00	0.00	56.88	101.98
T20																	
	T20CA001	17.72	4.22	6.68	2.20	2.46	0.41	14.60	48.29	26.59	4.40	8.91	2.94	5.16	0.86	23.73	72.59
	T20CA002	24.96	6.01	9.56	3.15	4.66	0.78	20.60	69.72	37.44	6.27	12.75	4.20	9.76	1.63	33.47	105.52
	T20CA003	37.60	9.11	13.66	4.50	8.15	1.36	31.06	105.44	56.40	9.50	18.22	6.00	17.07	2.84	50.46	160.49

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T25																	
	T25CA001	15.33	3.00	6.56	2.16	0.00	0.00	14.66	41.71								
	T25CA002	13.73	2.69	9.11	3.00	0.00	0.00	13.13	41.66								
	T25CA004	15.09	2.95	10.02	3.30	0.00	0.00	14.43	45.79								
	T25CA005	15.24	2.98	10.78	3.55	0.00	0.00	14.58	47.13								
	T25JD005	2.02	0.34	1.21	0.40	0.27	0.04	1.95	6.23								
	T25JD006	2.56	0.44	1.82	0.60	0.39	0.06	2.47	8.34								
	T25JD007	3.52	0.61	2.58	0.85	0.72	0.12	3.40	11.80								
	T25JD008	5.33	0.88	3.19	1.05	0.47	0.08	5.12	16.12								
	T25JD009	6.99	1.15	3.95	1.30	0.47	0.08	6.71	20.65								
	T25JD010	9.09	1.52	4.86	1.60	0.98	0.16	8.75	26.96								
	T25JD011	10.99	1.82	6.07	2.00	0.98	0.16	10.56	32.58								
	T25JD012	11.35	2.03	9.41	3.10	3.03	0.50	11.04	40.46								
	T25JD013	15.00	2.62	12.90	4.25	3.03	0.50	14.53	52.83								
T30																	
	T30CS003	2.24	0.40	1.03	0.34	0.11	0.02	3.00	7.14	2.76	0.41	1.38	0.45	0.15	0.02	4.10	9.27
	T30CS004	2.48	0.46	0.91	0.30	0.29	0.05	3.34	7.83	3.05	0.47	1.21	0.40	0.41	0.07	4.56	10.17
	T30CS005	3.09	0.57	1.03	0.34	0.29	0.05	4.15	9.52	3.81	0.59	1.38	0.45	0.41	0.07	5.68	12.39
	T30CS006	4.31	0.79	1.40	0.46	0.30	0.05	5.78	13.09	5.31	0.81	1.86	0.61	0.42	0.07	7.90	16.98
	T30CS007	4.82	0.87	1.70	0.56	0.30	0.05	6.45	14.75	5.93	0.90	2.27	0.75	0.42	0.07	8.82	19.16
	T30CS008	8.19	1.49	2.40	0.79	0.55	0.09	10.97	24.48	10.08	1.53	3.20	1.05	0.78	0.13	15.00	31.77
	T30DW005	2.79	0.52	1.34	0.44	0.29	0.05	3.74	9.17	3.43	0.53	1.78	0.59	0.41	0.07	5.12	11.93
	T30DW010	10.60	1.96	3.22	1.06	1.03	0.17	14.25	32.29	13.05	2.01	4.29	1.41	1.46	0.24	19.48	41.94
	T30DW011	13.16	2.31	3.22	1.06	0.00	0.00	17.51	37.26	16.20	2.38	4.29	1.41	0.00	0.00	23.94	48.22
	T30DW012	0.75	0.14	0.94	0.31	0.03	0.00	1.01	3.18	0.93	0.14	1.23	0.41	0.04	0.01	1.38	4.14
	T30DW013	1.11	0.20	1.30	0.43	0.07	0.01	1.49	4.61	1.37	0.21	1.70	0.56	0.10	0.02	2.04	6.00
	T30DW014	2.57	0.48	1.06	0.35	0.30	0.05	3.46	8.27	3.17	0.49	1.42	0.47	0.42	0.07	4.74	10.78
	T30DW015	3.80	0.70	1.58	0.52	0.30	0.05	5.09	12.04	4.68	0.71	2.10	0.69	0.42	0.07	6.96	15.63
	T30DW016	4.28	0.77	1.61	0.53	0.19	0.03	5.71	13.12	5.26	0.79	2.15	0.71	0.27	0.04	7.81	17.03
	T30DW017	4.88	0.89	2.25	0.74	0.30	0.05	6.53	15.64	6.00	0.91	3.00	0.99	0.42	0.07	8.93	20.32
	T30DW018	6.16	1.11	2.37	0.78	0.30	0.05	8.24	19.01	7.59	1.14	3.16	1.04	0.42	0.07	11.26	24.68
	T30TM001	22.70	3.99	5.62	1.85	0.00	0.00	30.19	64.35	27.93	4.10	7.49	2.47	0.00	0.00	41.27	83.26
	T30TM002	23.02	4.05	5.62	1.85	0.00	0.00	30.62	65.16	28.33	4.16	7.49	2.47	0.00	0.00	41.86	84.31
	T30TM003	24.65	4.33	5.62	1.85	0.00	0.00	32.78	69.23	30.34	4.45	7.49	2.47	0.00	0.00	44.82	89.57
	T30TM004	24.51	4.31	5.62	1.85	0.00	0.00	32.60	68.89	30.16	4.42	7.49	2.47	0.00	0.00	44.57	89.11

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T30	***cont.***																
	T30TM005	25.70	4.52	5.62	1.85	0.00	0.00	34.17	71.86	31.63	4.64	7.49	2.47	0.00	0.00	46.73	92.96
	T30TM006	27.60	4.85	5.62	1.85	0.00	0.00	36.71	76.63	33.97	4.98	7.49	2.47	0.00	0.00	50.19	99.10
	T30TM007	30.88	5.43	7.29	2.40	0.00	0.00	41.06	87.06	38.00	5.57	9.72	3.20	0.00	0.00	56.15	112.64
	T30TM008	32.07	5.64	7.29	2.40	0.00	0.00	42.65	90.05	39.47	5.79	9.72	3.20	0.00	0.00	58.32	116.50
	T30TM009	31.90	5.61	8.20	2.70	0.00	0.00	42.42	90.83	39.26	5.76	10.93	3.60	0.00	0.00	58.00	117.55
	T30TM010	35.61	6.26	8.20	2.70	0.00	0.00	47.36	100.13	43.83	6.43	10.93	3.60	0.00	0.00	64.76	129.55
	T30TM012	42.08	7.40	10.63	3.50	0.00	0.00	55.96	119.57	51.79	7.60	14.17	4.67	0.00	0.00	76.52	154.75
	T30TM013	65.65	11.54	12.20	4.02	0.00	0.00	87.32	180.73	80.80	11.85	16.27	5.36	0.00	0.00	119.39	233.67
	T30TM014	64.29	11.31	15.27	5.03	0.00	0.00	85.51	181.41	79.13	11.61	20.36	6.71	0.00	0.00	116.91	234.72
	T30TM015	68.01	11.96	15.27	5.03	0.00	0.00	90.46	190.73	83.71	12.28	20.36	6.71	0.00	0.00	123.68	246.74
	T30VE007	11.25	1.98	2.58	0.85	0.00	0.00	14.96	31.62	13.84	2.03	3.44	1.13	0.00	0.00	20.45	40.89
	T30VE008	18.98	3.34	4.25	1.40	0.00	0.00	25.24	53.21	23.36	3.43	5.67	1.87	0.00	0.00	34.51	68.84
	T30VE009	27.71	4.87	5.46	1.80	0.00	0.00	36.86	76.70	34.11	5.00	7.29	2.40	0.00	0.00	50.40	99.20
	T30VE010	34.95	6.15	6.98	2.30	0.00	0.00	46.48	96.86	43.01	6.31	9.31	3.07	0.00	0.00	63.55	125.25
T35																	
	T35CT001	13.83	2.97	4.25	1.40	0.00	0.00	18.39	40.84	17.29	3.04	5.67	1.87	0.00	0.00	25.54	53.41
	T35CT002	16.08	3.46	4.25	1.40	0.00	0.00	21.39	46.58	20.10	3.53	5.67	1.87	0.00	0.00	29.70	60.87
	T35CT003	17.97	3.86	5.62	1.85	0.00	0.00	23.90	53.20	22.47	3.95	7.49	2.47	0.00	0.00	33.19	69.57
	T35CT004	16.96	3.65	3.10	1.02	0.00	0.00	22.56	47.29	21.21	3.73	4.13	1.36	0.00	0.00	31.33	61.76
	T35CT005	16.86	3.62	3.10	1.02	0.00	0.00	22.42	47.02	21.07	3.71	4.13	1.36	0.00	0.00	31.14	61.41
	T35CT006	16.05	3.45	3.10	1.02	0.00	0.00	21.34	44.96	20.06	3.53	4.13	1.36	0.00	0.00	29.63	58.71
	T35CT007	17.72	3.81	3.10	1.02	0.00	0.00	23.57	49.22	22.15	3.90	4.13	1.36	0.00	0.00	32.73	64.27
	T35CT008	22.50	4.84	4.55	1.50	0.00	0.00	29.93	63.32	28.13	4.95	6.07	2.00	0.00	0.00	41.56	82.71
	T35CT009	26.39	5.67	4.55	1.50	0.00	0.00	35.09	73.20	32.98	5.80	6.07	2.00	0.00	0.00	48.73	95.58
	T35CT010	26.26	5.64	4.55	1.50	0.00	0.00	34.92	72.87	32.82	5.77	6.07	2.00	0.00	0.00	48.50	95.16
	T35CT011	31.08	6.68	5.31	1.75	0.00	0.00	41.33	86.15	38.84	6.83	7.08	2.33	0.00	0.00	57.39	112.47
T40																	
	T40AH001	1.84	0.32	0.00	0.25	0.00	0.00	2.16	4.57								
	T40AH002	2.25	0.40	0.00	0.25	0.00	0.00	2.64	5.54								
	T40AH003	3.19	0.56	0.00	0.25	0.00	0.00	3.75	7.75								
	T40AH004	3.55	0.62	0.00	0.25	0.00	0.00	4.17	8.59								
	T40GN001	0.95	0.17	0.00	0.00	0.00	0.00	0.97	2.09	1.16	0.17	0.00	0.00	0.00	0.00	1.37	2.70
	T40KF011	0.30	0.05	0.00	0.00	0.00	0.00	0.26	0.61								
	T40KF013	0.32	0.06	0.00	0.00	0.00	0.00	0.28	0.66								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T40	***cont.***																
	T40KF014	0.34	0.06	0.00	0.00	0.00	0.00	0.30	0.70								
	T40KF016	0.41	0.07	0.00	0.00	0.00	0.00	0.36	0.84								
	T40KF018	0.49	0.09	0.00	0.00	0.00	0.00	0.43	1.01								
	T40KF020	0.57	0.10	0.00	0.00	0.00	0.00	0.50	1.17								
	T40KF021	0.25	0.04	0.00	0.00	0.00	0.00	0.25	0.54								
	T40KF022	0.47	0.08	0.00	0.00	0.00	0.00	0.48	1.03								
	T40KF023	0.31	0.06	0.00	0.05	0.00	0.00	0.32	0.74								
	T40KF024	0.36	0.06	0.00	0.05	0.00	0.00	0.37	0.84								
	T40LN003	3.46	0.57	0.00	0.50	0.13	0.02	3.35	8.03								
	T40LN004	2.33	0.37	0.00	0.50	0.00	0.00	2.25	5.45								
	T40LN005	2.38	0.38	0.00	0.50	0.00	0.00	2.30	5.56								
	T40LN006	2.43	0.39	0.00	0.50	0.00	0.00	2.35	5.67								
	T40LN007	2.52	0.40	0.00	0.50	0.00	0.00	2.44	5.86								
	T40LN008	2.61	0.42	0.00	0.50	0.00	0.00	2.53	6.06								
	T40LN009	2.65	0.43	0.00	0.50	0.00	0.00	2.57	6.15								
	T40LN010	2.65	0.43	0.00	0.50	0.00	0.00	2.57	6.15								
	T40LN011	2.71	0.44	0.00	0.50	0.00	0.00	2.62	6.27								
	T40MY001	0.48	0.09	0.00	0.00	0.00	0.00	0.50	1.07	0.60	0.09	0.00	0.00	0.00	0.00	0.70	1.39
	T40MY002	0.53	0.09	0.00	0.00	0.00	0.00	0.54	1.16	0.65	0.09	0.00	0.00	0.00	0.00	0.76	1.50
	T40MY003	0.59	0.10	0.00	0.00	0.00	0.00	0.61	1.30	0.73	0.11	0.00	0.00	0.00	0.00	0.85	1.69
	T40MY004	0.64	0.11	0.00	0.00	0.00	0.00	0.66	1.41	0.79	0.12	0.00	0.00	0.00	0.00	0.93	1.84
	T40MY005	0.72	0.13	0.00	0.00	0.00	0.00	0.74	1.59	0.89	0.13	0.00	0.00	0.00	0.00	1.05	2.07
	T40RS001	1.68	0.29	0.00	0.00	0.00	0.00	1.48	3.45								
	T40RS002	1.95	0.34	0.00	0.00	0.00	0.00	1.72	4.01								
	T40RS003	2.15	0.38	0.00	0.00	0.00	0.00	1.90	4.43								
	T40WL001	10.55	1.86	4.25	1.60	0.00	0.00	10.84	29.10								
T45																	
	T45EA002	0.25	0.09	0.00	0.00	0.21	0.03	0.23	0.81								
	T45EA003	0.46	0.18	0.00	0.00	0.53	0.09	0.44	1.70								
	T45EA004	0.67	0.23	0.00	0.00	0.53	0.09	0.62	2.14								
	T45EA005	0.83	0.33	0.00	0.00	1.13	0.19	0.81	3.29								
	T45EA006	1.47	0.51	0.00	0.00	1.18	0.20	1.35	4.71								
	T45EA007	2.36	0.80	0.00	0.00	1.78	0.30	2.16	7.40								
	T45FH001	1.89	0.41	0.00	0.00	0.52	0.09	1.73	4.64	2.37	0.42	0.00	0.00	0.63	0.10	2.49	6.01

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T45	***cont.***																
	T45FH002	1.04	0.32	0.00	0.00	0.48	0.08	0.92	2.84								
	T45FH003	1.06	0.33	0.00	0.00	0.48	0.08	0.94	2.89								
	T45HA001	2.42	0.52	0.00	0.50	0.08	0.01	2.85	6.38								
	T45HA002	2.92	0.63	0.00	0.60	0.08	0.01	3.45	7.69								
	T45HA003	3.88	0.84	0.00	0.70	0.14	0.02	4.58	10.16								
	T45MY001	1.58	0.38	0.00	0.30	0.85	0.14	1.57	4.82	1.97	0.39	0.00	0.30	1.03	0.17	2.25	6.11
	T45MY002	1.61	0.38	0.00	0.30	0.85	0.14	1.61	4.89	2.01	0.39	0.00	0.30	1.03	0.17	2.30	6.20
	T45MY003	1.86	0.43	0.00	0.30	0.85	0.14	1.85	5.43	2.33	0.44	0.00	0.30	1.03	0.17	2.64	6.91
	T45MY004	1.96	0.45	0.00	0.30	0.85	0.14	1.94	5.64	2.45	0.46	0.00	0.30	1.03	0.17	2.78	7.19
	T45MY005	1.91	0.47	0.00	0.30	1.28	0.21	1.92	6.09	2.39	0.49	0.00	0.30	1.54	0.26	2.75	7.73
	T45MY006	1.97	0.49	0.00	0.30	1.28	0.21	1.98	6.23	2.46	0.50	0.00	0.30	1.54	0.26	2.83	7.89
	T45MY007	2.06	0.50	0.00	0.30	1.28	0.21	2.07	6.42	2.58	0.52	0.00	0.30	1.54	0.26	2.96	8.16
	T45MY008	1.39	0.34	0.00	0.30	0.85	0.14	1.40	4.42	1.74	0.35	0.00	0.30	1.03	0.17	2.00	5.59
	T45MY009	1.43	0.35	0.00	0.30	0.85	0.14	1.43	4.50	1.79	0.36	0.00	0.30	1.03	0.17	2.05	5.70
	T45MY010	1.61	0.38	0.00	0.30	0.85	0.14	1.61	4.89	2.01	0.39	0.00	0.30	1.03	0.17	2.30	6.20
	T45MY011	1.70	0.40	0.00	0.30	0.85	0.14	1.70	5.09	2.13	0.41	0.00	0.30	1.03	0.17	2.43	6.47
	T45MY012	1.68	0.43	0.00	0.30	1.28	0.21	1.70	5.60	2.10	0.44	0.00	0.30	1.54	0.26	2.43	7.07
	T45MY013	1.73	0.44	0.00	0.30	1.28	0.21	1.75	5.71	2.16	0.45	0.00	0.30	1.54	0.26	2.50	7.21
	T45MY014	1.82	0.46	0.00	0.30	1.28	0.21	1.84	5.91	2.28	0.47	0.00	0.30	1.54	0.26	2.63	7.48
	T45MY015	1.55	0.37	0.00	0.40	0.85	0.14	1.43	4.74	1.93	0.38	0.00	0.40	1.03	0.17	2.07	5.98
	T45MY016	1.69	0.40	0.00	0.40	0.85	0.14	1.57	5.05	2.12	0.41	0.00	0.40	1.03	0.17	2.26	6.39
	T45MY017	1.81	0.45	0.00	0.40	1.28	0.21	1.69	5.84	2.26	0.47	0.00	0.40	1.54	0.26	2.44	7.37
	T45MY018	1.38	0.29	0.00	0.40	0.85	0.14	1.20	4.26								
	T45TC001	0.22	0.07	0.00	0.00	0.09	0.01	0.19	0.58								
	T45TC002	0.24	0.07	0.00	0.00	0.08	0.01	0.21	0.61								
	T45TC003	0.26	0.08	0.00	0.00	0.10	0.02	0.23	0.69								
	T45TC004	0.30	0.09	0.00	0.00	0.10	0.02	0.26	0.77								
	T45TC005	0.44	0.12	0.00	0.00	0.10	0.02	0.38	1.06								
	T45WR001	3.39	0.93	0.00	0.50	0.45	0.07	4.05	9.39								
	T45WR002	4.96	1.34	0.00	0.60	0.45	0.07	5.89	13.31								
	T45WR003	4.26	1.16	0.00	0.60	0.45	0.07	5.07	11.61								
	T45WR004	3.38	0.93	0.00	0.60	0.45	0.07	4.03	9.46								
	T45WR005	3.35	0.92	0.00	0.50	0.45	0.07	4.00	9.29								
	T45XX001	2.80	0.58	0.00	0.40	0.45	0.07	2.73	7.03	3.50	0.60	0.00	0.40	0.54	0.09	3.91	9.04
	T45XX002	3.35	0.69	0.00	0.40	0.45	0.07	3.27	8.23	4.19	0.71	0.00	0.40	0.54	0.09	4.67	10.60

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T45	***cont.***																
	T45XX003	3.40	0.70	0.00	0.40	0.45	0.07	3.31	8.33	4.24	0.72	0.00	0.40	0.54	0.09	4.73	10.72
	T45XX004	3.91	0.83	0.00	0.40	0.85	0.14	3.84	9.97	4.89	0.85	0.00	0.40	1.03	0.17	5.48	12.82
	T45XX005	4.75	0.98	0.00	0.40	0.65	0.11	4.63	11.52	5.94	1.01	0.00	0.40	0.78	0.13	6.62	14.88
	T45XX006	9.04	2.04	0.00	0.40	3.49	0.58	8.94	24.49	11.30	2.10	0.00	0.40	4.20	0.70	12.78	31.48
	T45XX007	10.18	2.26	0.00	0.40	3.49	0.58	10.05	26.96	12.72	2.32	0.00	0.40	4.20	0.70	14.36	34.70
	T45XX008	3.77	0.77	0.00	0.40	0.45	0.07	3.41	8.87	4.71	0.79	0.00	0.40	0.54	0.09	4.92	11.45
	T45XX009	2.71	0.47	0.00	0.40	0.45	0.07	2.27	6.37								
	T45XX010	2.73	0.47	0.00	0.40	0.45	0.07	2.29	6.41								
	T45XX011	1.75	0.50	0.00	0.40	0.41	0.07	1.51	4.64								
	T45XX012	1.98	0.56	0.00	0.40	0.39	0.06	1.70	5.09								
	T45XX013	2.15	0.61	0.00	0.40	0.45	0.07	1.85	5.53								
	T45XX014	2.44	0.70	0.00	0.50	0.62	0.10	2.11	6.47								
	T45XX015	2.57	0.73	0.00	0.50	0.58	0.10	2.22	6.70								
	T45XX016	2.96	0.84	0.00	0.50	0.67	0.11	2.55	7.63								
	T45XX017	3.08	0.91	0.00	0.50	1.02	0.17	2.69	8.37								
	T45XX018	3.83	1.11	0.00	0.50	1.02	0.17	3.31	9.94								
	T45XX019	3.96	1.14	0.00	0.50	1.02	0.17	3.43	10.22								
	T45XX020	4.59	1.29	0.00	0.60	0.90	0.15	3.94	11.47								
	T45XX021	4.88	1.39	0.00	0.60	1.12	0.19	4.21	12.39								
	T45XX022	5.37	1.55	0.00	0.60	1.36	0.23	4.64	13.75								
	T45XX023	6.20	1.80	0.00	0.60	1.67	0.28	5.37	15.92								
	T45XX024	1.47	0.43	0.00	0.09	0.45	0.07	1.28	3.79								
	T45XX025	1.40	0.41	0.00	4.00	0.45	0.07	1.22	7.55								
	T45XX026	0.92	0.27	0.00	0.40	0.29	0.05	0.80	2.73								
	T45XX027	1.02	0.31	0.00	0.40	0.41	0.07	0.89	3.10								
	T45XX028	1.07	0.34	0.00	0.40	0.53	0.09	0.95	3.38								
	T45XX029	2.85	0.77	1.91	0.54	0.22	0.04	2.90	9.23								
	T45XX030	2.93	0.81	1.91	0.54	0.45	0.07	3.01	9.72								
	T45XX031	3.07	0.85	1.91	0.54	0.45	0.07	3.15	10.04								
T50																	
	T50FO001	1.54	0.27	1.95	0.64	0.14	0.02	1.56	6.12	1.97	0.28	2.60	0.86	0.18	0.03	2.13	8.05
	T50FO002	1.81	0.32	1.95	0.64	0.17	0.03	1.83	6.75	2.31	0.33	2.60	0.86	0.22	0.04	2.50	8.86
	T50FO003	1.66	0.30	1.95	0.64	0.29	0.05	1.69	6.58	2.11	0.31	2.60	0.86	0.36	0.06	2.30	8.60
	T50FO004	1.93	0.35	2.28	0.75	0.34	0.06	1.96	7.67	2.45	0.36	3.04	1.00	0.45	0.07	2.67	10.04

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T50	***cont.***																
	T50FO005	1.96	0.36	2.28	0.75	0.46	0.08	2.00	7.89	2.49	0.37	3.04	1.00	0.59	0.10	2.72	10.31
	T50FO006	2.21	0.45	6.80	2.40	0.34	0.06	2.09	14.35	2.73	0.46	8.94	3.16	0.42	0.07	2.77	18.55
	T50FO007	2.39	0.48	3.58	1.10	0.34	0.06	2.25	10.20	2.94	0.49	4.77	1.46	0.42	0.07	2.99	13.14
	T50FO008	2.32	0.47	4.49	1.37	0.34	0.06	2.19	11.24	2.86	0.48	5.98	1.83	0.42	0.07	2.90	14.54
	T50FO009	2.56	0.51	4.55	1.39	0.34	0.06	2.41	11.82	3.15	0.53	6.07	1.86	0.42	0.07	3.19	15.29
	T50FO010	3.10	0.62	6.22	2.20	0.41	0.07	2.92	15.54	3.81	0.64	8.17	2.88	0.51	0.08	3.87	19.96
	T50FO011	3.45	0.71	4.42	1.35	0.70	0.12	3.27	14.02	4.24	0.73	5.90	1.80	0.89	0.15	4.33	18.04
	T50FO013	6.18	1.13	6.39	2.11	0.80	0.13	5.44	22.18	7.61	1.16	8.11	2.67	1.03	0.17	7.73	28.48
	T50FO014	6.36	1.16	6.39	2.11	0.84	0.14	5.60	22.60	7.83	1.20	8.11	2.67	1.07	0.18	7.96	29.02
	T50FO015	6.10	1.12	6.39	2.11	0.84	0.14	5.38	22.08	7.51	1.15	8.11	2.67	1.07	0.18	7.64	28.33
	T50FO017	10.68	1.96	7.91	2.61	1.43	0.24	9.41	34.24	13.15	2.01	10.04	3.31	1.84	0.31	13.37	44.03
	T50FO018	10.95	2.01	7.91	2.61	1.49	0.25	9.65	34.87	13.48	2.06	10.04	3.31	1.91	0.32	13.71	44.83
	T50FO019	10.60	1.95	7.91	2.61	1.49	0.25	9.34	34.15	13.04	2.00	10.04	3.31	1.91	0.32	13.27	43.89
	T50GM001	1.19	0.21	1.53	0.50	0.14	0.02	1.20	4.79	1.51	0.22	2.04	0.67	0.18	0.03	1.64	6.29
	T50GM002	1.45	0.26	1.83	0.60	0.14	0.02	1.47	5.77	1.85	0.26	2.44	0.80	0.18	0.03	2.00	7.56
	T50GM003	1.53	0.27	2.33	0.77	0.14	0.02	1.55	6.61	1.95	0.28	3.11	1.02	0.18	0.03	2.11	8.68
	T50GM004	2.86	0.50	2.75	0.91	0.14	0.02	2.88	10.06	3.64	0.51	3.66	1.21	0.18	0.03	3.93	13.16
	T50GM005	3.14	0.55	2.75	0.91	0.17	0.03	3.16	10.71	3.99	0.56	3.66	1.21	0.22	0.04	4.31	13.99
	T50GM006	1.82	0.33	2.75	0.91	0.32	0.05	1.85	8.03	2.31	0.34	3.66	1.21	0.40	0.07	2.52	10.51
	T50GM007	2.10	0.38	2.75	0.91	0.38	0.06	2.13	8.71	2.67	0.39	3.66	1.21	0.50	0.08	2.91	11.42
	T50GM008	1.84	0.33	2.75	0.91	0.28	0.05	1.87	8.03	2.35	0.34	3.66	1.21	0.35	0.06	2.55	10.52
	T50GM009	2.13	0.38	2.75	0.91	0.33	0.05	2.16	8.71	2.71	0.39	3.66	1.21	0.43	0.07	2.94	11.41
	T50GM011	2.54	0.51	8.16	2.88	0.34	0.06	2.39	16.88	3.12	0.52	10.72	3.78	0.42	0.07	3.17	21.80
	T50GM012	2.95	0.59	3.58	1.10	0.34	0.06	2.78	11.40	3.64	0.61	4.77	1.46	0.42	0.07	3.69	14.66
	T50GM013	2.54	0.52	8.16	2.88	0.41	0.07	2.40	16.98	3.12	0.53	10.72	3.78	0.51	0.08	3.18	21.92
	T50GM014	2.97	0.61	3.58	1.10	0.52	0.09	2.81	11.68	3.65	0.62	4.77	1.46	0.66	0.11	3.72	14.99
	T50GM015	4.43	0.83	14.15	5.33	0.91	0.15	3.92	29.72	5.46	0.85	18.40	6.93	1.18	0.20	5.57	38.59
	T50GM016	5.24	0.97	6.54	2.15	0.91	0.15	4.62	20.58	6.45	1.00	8.30	2.73	1.18	0.20	6.57	26.43
	T50GM017	1.93	0.39	2.84	0.87	0.22	0.04	1.81	8.10	2.37	0.40	3.79	1.16	0.27	0.04	2.40	10.43
	T50HN001	2.68	0.54	3.54	1.08	0.35	0.06	2.52	10.77	3.30	0.55	4.72	1.44	0.45	0.07	3.35	13.88
	T50HN002	2.87	0.58	3.54	1.08	0.35	0.06	2.70	11.18	3.53	0.59	4.72	1.44	0.45	0.07	3.58	14.38
	T50HN003	3.71	0.74	4.21	1.29	0.45	0.07	3.49	13.96	4.56	0.76	5.62	1.72	0.57	0.09	4.63	17.95
	T50HN004	3.77	0.79	4.21	1.29	0.99	0.16	3.59	14.80	4.65	0.81	5.62	1.72	1.25	0.21	4.76	19.02
	T50HN005	4.27	0.89	4.21	1.29	0.99	0.16	4.06	15.87	5.26	0.91	5.62	1.72	1.25	0.21	5.38	20.35
	T50HN006	5.16	0.96	7.67	2.53	1.00	0.17	4.57	22.06	6.35	0.99	9.73	3.21	1.28	0.21	6.49	28.26

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T50	***cont.***																
	T50HN007	5.75	1.07	6.84	2.25	1.00	0.17	5.08	22.16	7.07	1.10	8.69	2.86	1.28	0.21	7.21	28.42
	T50IT002	3.57	0.71	3.69	1.13	0.34	0.06	3.35	12.85	4.40	0.73	4.91	1.50	0.42	0.07	4.45	16.48
	T50IT003	4.39	0.87	4.11	1.26	0.34	0.06	4.12	15.15	5.40	0.89	5.48	1.68	0.42	0.07	5.46	19.40
	T50IT004	6.90	1.26	5.93	1.95	0.91	0.15	6.08	23.18	8.50	1.30	7.53	2.48	1.18	0.20	8.64	29.83
	T50IT005	12.03	2.17	8.37	2.76	0.91	0.15	10.56	36.95	14.81	2.22	10.62	3.50	1.18	0.20	15.01	47.54
	T50IT007	15.24	2.73	8.37	2.76	0.91	0.15	13.36	43.52	18.75	2.80	10.62	3.50	1.18	0.20	18.99	56.04
	T50IT008	8.76	1.59	5.93	1.95	0.91	0.15	7.70	26.99	10.78	1.63	7.53	2.48	1.18	0.20	10.94	34.74
	T50IT010	8.49	1.59	8.37	2.76	1.73	0.29	7.51	30.74	10.45	1.63	10.62	3.50	2.23	0.37	10.67	39.47
	T50IT011	10.80	1.99	8.52	2.81	1.73	0.29	9.53	35.67	13.30	2.05	10.81	3.56	2.23	0.37	13.55	45.87
	T50IT012	12.22	2.24	8.52	2.81	1.73	0.29	10.77	38.58	15.04	2.30	10.81	3.56	2.23	0.37	15.30	49.61
	T50KE001	9.17	1.64	10.04	3.31	0.56	0.09	8.04	32.85	11.29	1.69	12.74	4.20	0.72	0.12	11.43	42.19
	T50KE002	9.36	1.68	10.04	3.31	0.56	0.09	8.21	33.25	11.52	1.72	12.74	4.20	0.72	0.12	11.67	42.69
	T50KE003	10.79	1.95	10.04	3.31	0.97	0.16	9.48	36.70	13.28	2.00	12.74	4.20	1.26	0.21	13.47	47.16
	T50KE004	10.07	1.82	10.04	3.31	0.97	0.16	8.85	35.22	12.40	1.87	12.74	4.20	1.26	0.21	12.58	45.26
	T50KE005	9.99	1.81	10.04	3.31	0.97	0.16	8.78	35.06	12.29	1.86	12.74	4.20	1.26	0.21	12.48	45.04
	T50MH001	2.39	0.48	2.84	0.87	0.34	0.06	2.25	9.23	2.94	0.49	3.79	1.16	0.43	0.07	2.99	11.87
	T50MH002	2.47	0.50	2.84	0.87	0.34	0.06	2.33	9.41	3.04	0.51	3.79	1.16	0.43	0.07	3.09	12.09
	T50MH003	3.30	0.66	3.69	1.13	0.35	0.06	3.11	12.30	4.07	0.68	4.91	1.50	0.45	0.07	4.12	15.80
	T50MH004	3.95	0.80	4.21	1.29	0.59	0.10	3.72	14.66	4.86	0.82	5.62	1.72	0.75	0.12	4.94	18.83
	T50MH005	4.24	0.85	4.21	1.29	0.44	0.07	3.99	15.09	5.22	0.87	5.62	1.72	0.56	0.09	5.29	19.37
	T50MH006	4.42	0.92	4.21	1.29	0.99	0.16	4.20	16.19	5.45	0.94	5.62	1.72	1.25	0.21	5.57	20.76
	T50MH007	4.66	0.88	6.08	2.00	1.00	0.17	4.12	18.91	5.73	0.90	7.72	2.54	1.28	0.21	5.86	24.24
	T50MH008	4.88	0.91	7.00	2.31	1.00	0.17	4.32	20.59	6.00	0.94	8.88	2.93	1.28	0.21	6.13	26.37
	T50MH009	2.78	0.56	3.05	0.93	0.32	0.05	2.62	10.31	3.43	0.57	4.07	1.25	0.41	0.07	3.47	13.27
	T50MH010	2.80	0.56	2.84	0.87	0.33	0.05	2.63	10.08	3.45	0.57	3.79	1.16	0.42	0.07	3.49	12.95
	T50MH011	5.19	0.97	7.00	2.31	1.00	0.17	4.59	21.23	6.39	1.00	8.88	2.93	1.28	0.21	6.53	27.22
	T50MT007	11.36	2.02	9.13	3.01	0.41	0.07	9.95	35.95	13.98	2.07	11.58	3.82	0.52	0.09	14.14	46.20
	T50MT008	11.36	2.02	9.13	3.01	0.41	0.07	9.95	35.95	13.98	2.07	11.58	3.82	0.52	0.09	14.14	46.20
	T50MT012	8.42	1.50	10.65	3.51	0.41	0.07	7.38	31.94	10.36	1.54	13.51	4.45	0.52	0.09	10.48	40.95
	T50MT013	11.71	2.08	10.65	3.51	0.41	0.07	10.26	38.69	14.41	2.14	13.51	4.45	0.52	0.09	14.57	49.69
	T50MT014	12.12	2.17	9.13	3.01	0.71	0.12	10.63	37.89	14.92	2.23	11.58	3.82	0.91	0.15	15.11	48.72
	T50MT015	13.26	2.37	9.13	3.01	0.71	0.12	11.63	40.23	16.33	2.43	11.58	3.82	0.91	0.15	16.52	51.74
	T50MT016	10.09	1.81	12.17	4.01	0.56	0.09	8.85	37.58	12.42	1.85	15.44	5.09	0.72	0.12	12.58	48.22
	T50PE002	9.86	1.83	10.65	3.51	1.73	0.29	8.71	36.58	12.14	1.88	13.51	4.45	2.23	0.37	12.38	46.96
	T50PE003	10.39	1.92	10.65	3.51	1.73	0.29	9.17	37.66	12.78	1.97	13.51	4.45	2.23	0.37	13.03	48.34

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T50	*cont.*																
	T50PE004	10.16	1.88	10.65	3.51	1.73	0.29	8.97	37.19	12.51	1.93	13.51	4.45	2.23	0.37	12.75	47.75
	T50PE005	9.57	1.78	10.65	3.51	1.73	0.29	8.46	35.99	11.78	1.82	13.51	4.45	2.23	0.37	12.02	46.18
	T50PE006	9.16	1.70	9.13	3.01	1.73	0.29	8.09	33.11	11.27	1.75	11.58	3.82	2.23	0.37	11.50	42.52
	T50PE007	9.86	1.77	10.65	3.51	0.63	0.10	8.65	35.17	12.13	1.82	13.51	4.45	0.80	0.13	12.29	45.13
T55																	
	T55CA001	15.12	7.26	8.69	3.48	6.88	1.15	12.73	55.31	18.89	7.35	11.18	4.47	11.46	1.91	18.56	73.82
	T55CA002	20.51	9.95	12.56	5.02	11.42	1.90	17.30	78.66	25.63	10.07	16.15	6.46	19.03	3.17	25.21	105.72
	T55CA003	30.82	14.93	16.81	6.72	16.60	2.76	25.99	114.63	38.53	15.11	21.61	8.65	27.68	4.61	37.89	154.08
	T55DJ001	10.00	4.77	5.02	2.01	3.58	0.60	8.41	34.39	12.50	4.83	6.46	2.58	5.86	0.98	12.26	45.47
	T55DJ002	10.13	4.84	4.13	1.65	4.10	0.68	8.53	34.06	12.66	4.90	5.32	2.13	6.82	1.14	12.42	45.39
	T55DJ003	11.68	5.59	5.51	2.20	4.52	0.75	9.83	40.08	14.59	5.66	7.08	2.83	7.40	1.23	14.33	53.12
	T55DJ004	11.94	5.72	5.02	2.01	5.21	0.87	10.05	40.82	14.92	5.79	6.46	2.58	8.68	1.45	14.65	54.53
	T55DJ005	14.09	6.72	5.51	2.20	5.27	0.88	11.85	46.52	17.61	6.80	7.08	2.83	8.80	1.47	17.28	61.87
	T55DJ007	16.16	7.75	7.44	2.98	7.23	1.20	13.61	56.37	20.20	7.84	9.56	3.82	12.11	2.02	19.83	75.38
	T55DJ010	15.09	7.09	5.51	2.20	3.25	0.54	12.67	46.35	18.86	7.18	7.08	2.83	5.34	0.89	18.46	60.64
	T55EU006	10.65	5.21	10.14	4.06	6.81	1.13	8.99	46.99	13.31	5.27	13.04	5.22	11.37	1.89	13.11	63.21
	T55EU007	14.03	6.98	13.52	5.41	11.42	1.90	11.88	65.14	17.54	7.06	17.39	6.96	19.03	3.17	17.32	88.47
	T55EU008	15.39	7.60	14.68	5.87	11.42	1.90	13.02	69.88	19.24	7.69	18.88	7.55	19.03	3.17	18.98	94.54
	T55EU009	20.49	10.19	20.29	8.12	16.60	2.76	17.36	95.81	25.62	10.31	26.08	10.43	27.68	4.61	25.30	130.03
	T55TE001	8.77	4.22	4.64	1.86	4.70	0.78	7.39	32.36	10.96	4.27	5.96	2.38	8.06	1.34	10.76	43.73
	T55TE002	8.65	4.25	4.64	1.86	6.77	1.13	7.31	34.61	10.82	4.30	5.96	2.38	11.60	1.93	10.66	47.65
	T55TE003	9.85	4.80	5.33	2.13	6.77	1.13	8.32	38.33	12.31	4.86	6.86	2.74	11.60	1.93	12.12	52.42
	T55TE004	10.53	5.15	6.26	2.50	6.81	1.13	8.89	41.27	13.16	5.21	8.05	3.22	11.37	1.89	12.96	55.86
	T55TE005	13.03	6.26	7.25	2.90	6.67	1.11	10.98	48.20	16.29	6.33	9.31	3.72	11.44	1.90	16.00	64.99
	T55TE009	12.47	6.05	8.81	3.52	6.81	1.13	10.52	49.31	15.59	6.12	11.33	4.53	11.37	1.89	15.33	66.16
	T55TE010	13.01	6.39	8.81	3.52	8.94	1.49	11.00	53.16	16.26	6.47	11.33	4.53	14.91	2.48	16.03	72.01
	T55TE011	14.95	7.40	12.46	4.98	11.42	1.90	12.65	65.76	18.68	7.49	16.02	6.41	19.03	3.17	18.44	89.24
	T55TE012	18.89	9.21	13.14	5.26	11.42	1.90	15.95	75.77	23.62	9.32	16.89	6.76	19.03	3.17	23.25	102.04
	T55TE013	26.03	12.73	20.29	8.12	16.60	2.76	21.99	108.52	32.54	12.88	26.08	10.43	27.68	4.61	32.05	146.27
	T55UN002	27.68	14.01	23.18	9.27	27.77	4.62	23.51	130.04	34.60	14.18	29.81	11.93	46.30	7.71	34.26	178.79
	T55UN003	34.62	17.39	30.91	12.37	31.84	5.30	29.37	161.80	43.27	17.59	39.74	15.90	53.09	8.84	42.80	221.23
	T55UN004	28.22	14.30	26.08	10.43	28.63	4.77	23.97	136.40	35.27	14.47	33.53	13.41	47.75	7.95	34.94	187.32
	T55UN005	36.66	19.25	34.78	13.91	51.54	8.58	31.32	196.04	45.82	19.48	44.71	17.89	85.91	14.30	45.65	273.76
	T55UN006	0.58	2.69	38.64	15.46	51.54	8.58	1.15	118.64	0.72	2.72	49.68	19.87	85.91	14.30	1.67	174.87

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T55	***cont.***																
	T55VO002	8.32	4.03	4.93	1.97	4.26	0.71	7.01	31.23	10.39	4.07	6.33	2.53	7.05	1.17	10.22	41.76
	T55VO003	9.09	4.44	4.93	1.97	5.70	0.95	7.68	34.76	11.37	4.50	6.33	2.53	9.52	1.59	11.19	47.03
	T55VO004	13.16	6.32	6.92	2.77	5.81	0.97	11.08	47.03	16.45	6.39	8.89	3.56	9.68	1.61	16.15	62.73
	T55VO005	10.76	5.11	6.09	2.44	3.71	0.62	9.04	37.77	13.44	5.17	7.82	3.13	6.17	1.03	13.18	49.94
	T55VO006	14.61	7.07	7.69	3.08	7.66	1.28	12.32	53.71	18.27	7.15	9.89	3.96	12.77	2.13	17.96	72.13
	T55WA001	16.96	8.11	9.37	3.75	6.88	1.15	14.28	60.50	21.20	8.21	12.05	4.82	11.46	1.91	20.81	80.46
	T55WA002	21.14	10.24	13.04	5.22	11.42	1.90	17.83	80.79	26.42	10.36	16.77	6.71	19.03	3.17	25.98	108.44
	T55WA005	54.91	26.56	26.08	10.43	28.63	4.77	46.30	197.68	68.63	26.86	33.53	13.41	47.75	7.95	67.47	265.60
	T55WA006	30.15	14.62	20.29	8.12	16.60	2.76	25.43	117.97	37.68	14.79	26.08	10.43	27.68	4.61	37.06	158.33
	T55WA007	62.39	30.14	34.78	13.91	31.84	5.30	52.60	230.96	77.99	30.49	44.71	17.89	53.09	8.84	76.66	309.67
	T55WA008	72.01	35.48	38.64	15.46	51.54	8.58	60.89	282.60	90.01	35.90	49.68	19.87	85.91	14.30	88.75	384.42
T56																	
	T56CA006	41.27	14.66	18.12	7.25	16.60	2.76	34.82	135.48	61.90	15.12	28.48	10.72	26.69	4.44	60.89	208.24
T57																	
	T57CU001	6.06	1.30	2.31	0.76	0.00	0.00	7.12	17.55								
	T57CU002	7.40	1.59	2.31	0.76	0.00	0.00	8.69	20.75								
	T57CU003	10.95	2.35	3.49	1.15	0.00	0.00	12.87	30.81								
	T57CU004	12.52	2.69	5.37	1.77	0.00	0.00	14.71	37.06								
	T57CU005	13.52	2.91	10.17	3.35	0.00	0.00	15.88	45.83								
T60																	
	T60KI001	10.15	2.74	5.31	2.00	1.82	0.30	10.65	32.97	12.18	2.78	7.08	2.67	2.44	0.41	14.60	42.16
	T60KI002	18.24	4.92	10.02	3.77	3.44	0.57	19.15	60.11	21.89	5.01	13.36	5.03	4.64	0.77	26.25	76.95
	T60KI003	26.31	7.09	13.66	5.14	4.82	0.80	27.60	85.42	31.57	7.21	18.22	6.86	6.50	1.08	37.83	109.27
	T60KI004	26.85	7.22	13.66	5.14	4.82	0.80	28.16	86.65	32.22	7.34	18.22	6.86	6.50	1.08	38.60	110.82
	T60KI005	32.09	8.58	16.70	6.29	5.09	0.85	33.61	103.21	38.51	8.72	22.26	8.38	6.86	1.14	46.08	131.95
	T60KI006	33.11	8.83	16.70	6.29	5.09	0.85	34.66	105.53	39.73	8.98	22.26	8.38	6.86	1.14	47.52	134.87
	T60SO001	23.05	6.14	10.02	3.77	3.44	0.57	24.13	71.12	27.66	6.25	13.36	5.03	4.64	0.77	33.08	90.79
	T60SO002	31.83	8.52	13.66	5.14	5.19	0.86	33.35	98.55	38.20	8.66	18.22	6.86	7.00	1.17	45.72	125.83
	T60SO003	32.35	8.65	13.66	5.14	5.19	0.86	33.89	99.74	38.82	8.80	18.22	6.86	7.00	1.17	46.45	127.32
	T60SO004	40.14	10.75	16.70	6.29	6.66	1.11	42.06	123.71	48.16	10.93	22.26	8.38	8.98	1.50	57.65	157.86
	T60SO005	40.85	10.93	16.70	6.29	6.66	1.11	42.79	125.33	49.02	11.12	22.26	8.38	8.98	1.50	58.66	159.92
T65																	
	T65AS001	20.77	5.55	2.53	0.83	0.26	0.04	25.77	55.75								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T65	***cont.***																
	T65AS002	31.41	8.38	4.30	1.42	0.26	0.04	38.96	84.77								
	T65AS003	41.37	11.06	5.58	1.84	0.65	0.11	51.33	111.94								
	T65AS004	51.90	13.86	5.58	1.84	0.65	0.11	64.39	138.33								
	T65AS005	71.97	19.20	12.15	4.00	0.65	0.11	89.28	197.36								
	T65AS006	83.25	22.22	10.11	3.33	0.95	0.16	103.28	223.30								
	T65AS007	17.28	4.60	2.52	2.98	0.00	0.00	21.42	48.80								
	T65AS008	29.65	7.89	5.04	5.97	0.00	0.00	36.77	85.32								
	T65AS009	120.87	40.62	22.93	20.49	0.00	0.00	116.89	321.80	135.98	40.95	29.81	24.54	0.00	0.00	150.37	381.65
	T65AS010	176.55	59.33	39.71	35.36	0.00	0.00	170.74	481.69	198.62	59.82	51.62	42.37	0.00	0.00	219.65	572.08
	T65AS011	500.70	168.27	89.36	79.57	0.00	0.00	484.21	1,322.11	563.29	169.65	116.16	95.34	0.00	0.00	622.93	1,567.37
	T65AS012	35.37	8.19	4.51	5.65	0.22	0.04	43.87	97.85								
	T65AS013	22.95	5.31	2.26	2.83	0.09	0.01	28.47	61.92								
	T65AS014	18.98	4.39	1.88	2.61	0.09	0.01	23.54	51.50								
	T65AS015	5.76	1.34	0.00	1.50	0.09	0.01	7.15	15.85								
	T65AS016	53.93	16.24	9.34	8.49	0.00	0.00	67.06	155.06	61.63	16.40	12.15	10.15	0.00	0.00	85.12	185.45
	T65AS017	82.93	24.98	15.00	13.32	0.00	0.00	103.13	239.36	94.78	25.22	19.50	15.97	0.00	0.00	130.91	286.38
	T65AS018	122.08	36.77	16.78	14.87	0.00	0.00	151.81	342.31	139.52	37.13	21.81	17.83	0.00	0.00	192.70	408.99
	T65AS019	120.86	36.40	21.19	18.97	0.00	0.00	150.29	347.71	138.13	36.75	27.54	22.70	0.00	0.00	190.78	415.90
	T65AS020	47.52	10.23	2.17	3.21	0.26	0.04	55.85	119.28								
	T65AS021	57.29	12.34	2.33	3.76	0.26	0.04	67.34	143.36								
	T65AS022	4.35	1.03	0.00	1.50	0.00	0.00	4.42	11.30								
	T65AS023	4.90	1.16	0.00	1.50	0.00	0.00	4.98	12.54								
	T65AS024	6.88	1.65	0.00	2.00	0.26	0.04	7.02	17.85								
	T65AS025	7.06	1.69	0.00	2.00	0.26	0.04	7.20	18.25								
	T65AT001	31.35	9.44	8.49	7.49	0.00	0.00	38.99	95.76	35.83	9.53	11.03	8.99	0.00	0.00	49.49	114.87
	T65AT002	33.83	10.19	8.49	7.49	0.00	0.00	42.07	102.07	38.67	10.29	11.03	8.99	0.00	0.00	53.40	122.38
	T65AT003	46.08	13.88	9.87	8.81	0.00	0.00	57.30	135.94	52.66	14.01	12.83	10.55	0.00	0.00	72.74	162.79
	T65AT004	58.15	17.51	21.22	18.98	0.00	0.00	72.31	188.17	66.46	17.68	27.59	22.73	0.00	0.00	91.79	226.25
	T65AT005	66.51	20.03	11.84	10.47	0.00	0.00	82.71	191.56	76.01	20.23	15.40	12.56	0.00	0.00	104.98	229.18
	T65AT006	99.50	29.97	15.99	14.41	0.00	0.00	123.73	283.60	113.72	30.26	20.79	17.23	0.00	0.00	157.06	339.06
	T65AT007	4.70	1.01	0.82	1.68	0.00	0.00	5.52	13.73								
	T65AT008	6.55	1.41	0.53	1.48	0.00	0.00	7.70	17.67								
	T65BR001	8.48	2.15	4.22	1.39	0.00	0.00	9.34	25.58								
	T65BR002	9.87	2.50	4.22	1.39	0.00	0.00	10.87	28.85								
	T65BR003	9.67	2.45	4.22	1.39	0.00	0.00	10.65	28.38								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T65	***cont.***																
	T65BR004	11.41	2.89	4.22	1.39	0.00	0.00	12.57	32.48								
	T65BR005	10.70	2.71	5.62	1.85	0.00	0.00	11.78	32.66								
	T65BR006	12.44	3.16	5.62	1.85	0.00	0.00	13.70	36.77								
	T65BR007	14.17	3.59	11.39	3.75	0.00	0.00	15.60	48.50								
	T65BR008	15.56	3.95	11.39	3.75	0.00	0.00	17.14	51.79								
	T65BR009	15.62	3.96	11.39	3.75	0.00	0.00	17.20	51.92								
	T65BR010	16.67	4.23	11.39	3.75	0.00	0.00	18.36	54.40								
	T65DO001	38.55	11.61	6.91	6.07	0.00	0.00	47.93	111.07	44.05	11.72	8.98	7.28	0.00	0.00	60.84	132.87
	T65DO002	51.39	15.48	8.55	7.53	0.00	0.00	63.91	146.86	58.73	15.63	11.12	9.04	0.00	0.00	81.12	175.64
	T65DO003	83.85	25.25	17.27	15.66	0.00	0.00	104.27	246.30	95.83	25.50	22.45	18.71	0.00	0.00	132.36	294.85
	T65DO004	167.47	50.44	32.74	29.26	0.00	0.00	208.26	488.17	191.40	50.93	42.56	35.04	0.00	0.00	264.35	584.28
	T65DO005	35.77	10.77	3.95	4.32	0.00	0.00	44.48	99.29	40.88	10.88	5.13	5.02	0.00	0.00	56.46	118.37
	T65DO007	4.21	0.90	1.65	1.37	0.00	0.00	4.95	13.08								
	T65DO008	5.73	1.23	2.47	2.06	0.00	0.00	6.73	18.22								
	T65DR001	27.97	8.42	11.35	10.18	0.00	0.00	34.78	92.70	31.96	8.50	14.76	12.18	0.00	0.00	44.14	111.54
	T65DR002	47.47	14.30	14.48	13.02	0.00	0.00	59.03	148.30	54.25	14.44	18.82	15.57	0.00	0.00	74.93	178.01
	T65DR003	50.31	15.15	22.70	20.35	0.00	0.00	62.57	171.08	57.50	15.30	29.51	24.36	0.00	0.00	79.42	206.09
	T65DR004	42.16	9.06	1.97	2.54	0.00	0.00	49.54	105.27								
	T65DR005	29.50	6.34	1.71	2.41	0.00	0.00	34.67	74.63								
	T65EI001	5.83	1.50	2.25	0.79	0.32	0.05	6.43	17.17								
	T65EI002	10.06	2.61	3.31	1.17	0.83	0.14	11.13	29.25								
	T65EI003	11.13	2.89	4.60	1.62	1.01	0.17	12.32	33.74								
	T65EI004	15.85	4.21	7.65	2.70	2.83	0.47	17.62	51.33								
	T65EI005	19.86	5.38	9.17	3.24	4.98	0.83	22.17	65.63								
	T65EI006	30.37	8.28	10.76	3.80	8.45	1.41	33.95	97.02								
	T65EI007	6.48	1.67	1.66	1.09	0.32	0.05	7.16	18.43								
	T65EI008	9.87	2.56	2.48	1.63	0.83	0.14	10.92	28.43								
	T65EI009	11.10	2.87	3.31	2.17	0.83	0.14	12.27	32.69								
	T65EI010	10.39	2.72	4.60	1.62	1.20	0.20	11.51	32.24								
	T65EI011	9.98	2.61	6.13	2.16	1.20	0.20	11.06	33.34								
	T65EI012	15.27	4.14	9.17	3.24	3.90	0.65	17.05	53.42								
	T65EI013	29.88	7.87	14.90	5.26	4.30	0.72	33.16	96.09								
	T65EI014	5.45	1.18	1.32	0.47	0.11	0.02	6.41	14.96								
	T65EI015	6.38	1.39	2.98	1.05	0.26	0.04	7.51	19.61								
	T65FL001	23.15	5.37	3.01	3.77	0.24	0.04	28.72	64.30								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
T65	***cont.***																
	T65FL002	16.12	3.48	3.01	3.77	0.14	0.02	18.96	45.50								
	T65FL003	15.26	3.29	3.01	3.77	0.14	0.02	17.95	43.44								
	T65FL004	21.98	4.74	3.01	3.77	0.24	0.04	25.85	59.63								
	T65FL005	9.77	2.11	1.50	1.88	0.09	0.01	11.49	26.85								
	T65FL006	5.22	1.12	1.82	0.64	0.00	0.00	6.13	14.93								
	T65TL003	11.84	2.58	3.33	1.17	0.65	0.11	13.95	33.63								
	T65TL005	9.00	1.97	3.33	1.17	0.65	0.11	10.62	26.85								
	T65VA001	168.60	56.66	41.13	24.20	0.00	0.00	163.04	453.63	189.67	57.13	53.46	31.45	0.00	0.00	209.76	541.47
	T65VA002	272.64	91.63	41.95	24.68	0.00	0.00	263.66	694.56	306.72	92.38	54.53	32.08	0.00	0.00	339.20	824.91
	T65VA003	594.91	199.93	94.92	55.84	0.00	0.00	575.31	1,520.91	669.27	201.57	123.39	72.59	0.00	0.00	740.13	1,806.95
	T65VA004	41.84	12.60	7.57	4.45	0.00	0.00	52.03	118.49	47.82	12.72	9.84	5.79	0.00	0.00	66.04	142.21
	T65VA005	66.83	20.13	15.30	9.00	0.00	0.00	83.10	194.36	76.37	20.32	19.89	11.70	0.00	0.00	105.49	233.77
	T65VA006	83.60	25.18	15.30	9.00	0.00	0.00	103.96	237.04	95.54	25.42	19.89	11.70	0.00	0.00	131.96	284.51
	T65VA007	122.73	36.96	23.85	14.03	0.00	0.00	152.62	350.19	140.26	37.32	31.01	18.24	0.00	0.00	193.73	420.56
	T65VA008	32.16	9.68	3.29	1.74	3.90	0.65	33.23	84.65								
	T65VA009	54.07	15.83	7.07	3.74	0.00	0.00	55.55	136.26								
	T65WG001	8.92	2.27	1.82	0.64	0.11	0.02	9.83	23.61								
	T65WG002	11.49	2.97	2.72	0.96	0.83	0.14	12.70	31.81								
	T65WG003	20.88	5.49	7.65	2.70	2.83	0.47	23.17	63.19								
	T65WG004	29.36	7.66	9.17	3.24	3.05	0.51	32.52	85.51								
	T65WG005	8.71	2.56	1.32	1.00	0.11	0.02	8.96	22.68								
	T65WG006	12.46	3.70	2.47	2.06	0.83	0.14	12.84	34.50								
	T65WG007	23.19	6.98	5.76	4.80	2.83	0.47	23.96	67.99								
	T65WG008	9.69	2.48	2.72	0.96	0.32	0.05	10.69	26.91								
	T65WG009	17.89	4.60	6.13	2.16	0.88	0.15	19.76	51.57								
	T65WG010	29.00	7.57	12.42	4.38	3.05	0.51	32.12	89.05								
	T65WG011	33.19	8.74	15.73	5.55	4.61	0.77	36.83	105.42								
W25																	
	W25AO001	0.44	0.04	0.04	0.52	0.00	0.00	0.71	1.75								
	W25AO002	0.54	0.05	0.04	0.77	0.00	0.00	0.86	2.26								
	W25AO003	0.79	0.08	0.09	0.79	0.00	0.00	1.28	3.03								
	W25AO004	0.77	0.08	0.09	1.04	0.00	0.00	1.24	3.22								
	W25AO005	1.63	0.16	0.18	1.58	0.00	0.00	2.63	6.18								
	W25AO006	1.05	0.10	0.04	0.77	0.00	0.00	1.69	3.65								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
W25	***cont.***																
	W25CD001	3.39	0.33	0.00	0.50	0.00	0.00	5.48	9.70								
	W25CD002	5.65	0.55	0.00	0.75	0.00	0.00	9.13	16.08								
	W25CJ001	13.79	2.42	0.66	0.39	0.00	0.00	20.23	37.49								
	W25CJ002	19.68	3.46	0.79	0.46	0.00	0.00	28.88	53.27								
	W25CJ003	22.23	3.91	0.79	0.46	0.00	0.00	32.63	60.02								
	W25NL001	7.73	1.06	8.93	4.20	0.00	0.00	13.61	35.53								
	W25NL002	12.06	1.65	15.10	4.97	0.00	0.00	21.24	55.02								
	W25NL003	8.73	1.20	6.76	2.23	0.00	0.00	15.38	34.30								
	W25NL004	16.57	2.28	1.80	0.59	0.15	0.02	29.22	50.63								
	W25SD001	0.66	0.06	0.22	0.10	0.00	0.00	1.06	2.10								
	W25SD002	1.56	0.15	0.13	0.06	0.00	0.00	2.53	4.43								
	W25SD003	1.01	0.10	1.48	0.42	0.00	0.00	1.63	4.64								
	W25SD004	1.95	0.19	2.43	0.69	0.03	0.00	3.16	8.45								
	W25SD005	0.88	0.09	1.16	0.33	0.00	0.00	1.42	3.88								
	W25WE001	3.61	0.50	2.23	1.55	0.08	0.01	6.38	14.36								
	W25WE002	4.01	0.56	3.35	2.33	0.08	0.01	7.08	17.42								
	W25WE003	4.39	0.61	4.10	1.35	0.08	0.01	7.75	18.29								
	W25WE004	7.13	0.99	6.70	4.65	0.08	0.01	12.59	32.15								
	W25WE005	8.83	1.22	7.21	2.38	0.08	0.01	15.57	35.30								
	W25WE006	9.96	1.37	10.82	3.56	0.06	0.01	17.56	43.34								
	W25WE007	11.45	1.58	10.37	3.42	0.10	0.02	20.19	47.13								
W30																	
	W30MG099	0.26	0.07	0.00	0.00	0.05	0.01	0.23	0.62								
	W30SO001	2.73	0.71	0.58	0.17	0.14	0.02	2.44	6.79								
	W30SO002	3.27	0.85	0.58	0.17	0.14	0.02	2.92	7.95								
	W30SO003	3.57	0.92	0.58	0.17	0.14	0.02	3.18	8.58								
	W30SO004	1.79	0.45	0.00	0.01	0.00	0.00	1.33	3.58								
	W30SO005	2.00	0.51	0.00	0.01	0.00	0.00	1.48	4.00								
	W30SO006	2.31	0.59	0.00	0.01	0.00	0.00	1.71	4.62								
W35																	
	W35LC001	0.16	0.03	0.98	0.28	0.00	0.00	0.20	1.65								
	W35LC002	0.35	0.08	1.78	0.50	0.02	0.00	0.45	3.18								
	W35LC003	0.43	0.09	1.60	0.45	0.02	0.00	0.55	3.14								
	W35LC004	0.81	0.18	2.31	0.65	0.03	0.00	1.02	5.00								

Table 2-2 . HOURLY RATE ELEMENTS

REGION 8		AVERAGE OPERATING CONDITIONS								SEVERE OPERATING CONDITIONS							
CAT	ID. NO.	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE	DEPR	FCCM	FUEL	FOG	TIRE WEAR	TIRE REPAIR	REPAIR	TOTAL RATE
W35	***cont.***																
	W35LC005	1.02	0.22	1.66	0.47	0.03	0.00	1.29	4.69								
	W35LC006	1.04	0.22	1.66	0.47	0.03	0.00	1.31	4.73								
	W35LC010	0.05	0.01	0.21	0.10	0.00	0.00	0.04	0.41								
	W35LC011	0.33	0.05	0.38	0.18	0.00	0.00	0.26	1.20								
	W35LC012	0.33	0.05	0.49	0.23	0.00	0.00	0.26	1.36								
	W35LC013	0.33	0.05	0.58	0.27	0.00	0.00	0.26	1.49								
	W35LC018	0.09	0.01	0.07	0.03	0.00	0.00	0.07	0.27								
	W35LC019	0.27	0.04	0.16	0.08	0.00	0.00	0.21	0.76								
	W35LC020	0.40	0.06	0.37	0.17	0.00	0.00	0.32	1.32								

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 three-year old equipment manufactured in 1996. Area factors used to compute regional ownership and operating expenses are listed in APPENDIX B, Area Factors. All equipment hourly rate elements for average and severe conditions are given in TABLE 2-2, Hourly Rate Elements. 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, which corresponds to the equipment shown in TABLE 2-1.

a. Operating Costs consist of five cost elements: fuel (FUEL), filters, oil, and grease (FOG), repairs (REPAIR), tire wear (TIRE WEAR), and tire repair (TIRE REPAIR) located in Table 2-2.

b. Ownership Costs consist of two cost elements: depreciation (DEPR) and facilities capital cost of money (FCCM) located in Table 2-1 and Table 2-2.

3-3. Basis for Equipment Rate Adjustment Tables. TABLES 3-1, Equipment Rate Adjustments for Ownership Costs, and TABLE 3-2, Equipment Rate Adjustments for Standby Costs, have been developed to adjust TABLE 2-1 hourly rates.

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 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… … … … … … … See Paragraph 3-6.
Changes in FCCM rate… … … … … … … … … … See Paragraph 3-7.
Work shifts greater than 40 hours per week… … … .. See Paragraph 3-8.
Changes in FUEL cost… … … … … … … … … … See Paragraph 3-9.
Adjustments to FOG Cost… … … … … … … … … See Paragraph 3-10.
Equipment of different age than Table 2-1… … … … See Paragraph 3-11.
Rate adjustment for overage equipment… … … … … See Paragraph 3-12.
Rate adjustment for overage equipment standby… .. See Paragraph 3-13.

There are no rate adjustments for APPENDIX B factors except for fuel cost and Cost of Money Rate (COM). 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, Operating Conditions for definition of average, difficult, or severe conditions, and determination of condition.

3-7. Change in Facilities Capital Cost of Money (FCCM) Rate. If the cost-of-money rate shown in Chapter 2, Section VII, Ownership Cost is not the current rate, the FCCM portion of the rate shall be adjusted upward or downward to match the cost-of-money rate for the period of equipment use. See APPENDIX I, Federal Cost-of-Money Rate, for a listing of cost-of-money rates. The Department of the Treasury adjusts the cost-of-money rate (Prompt Payment Interest Rate) on or about 1 January and 1 July each year; these revisions are printed in the Federal Register. Internet address for Prompt Payment Interest Rate is http://www.fms.treas.gov/prompt.html.

$$\text{Hourly Rate} = \text{DEPR/hr} + \left[(\text{FCCM/ hr}) \times \left(\frac{\text{new COM}}{\text{(old COM)}}\right)\right] + \text{Operating Costs/hr}$$

Example: Assume that TABLE 2-1 includes a crane *(Category C80, Sub-Category 0.02)* with the below hourly costs. The FCCM rate has increased from 5.00% to 6.00% (increase of 20.00%). The total hourly rate for this piece of equipment can be determined as follows:

Assumptions for Cost of Money rate of 6.00% (Discounted Rate of 4.00%):

DEPR (Depreciation)	=	$30.00/hr
FCCM (Facilities Capital Cost of Money)	=	$10.00/hr
Operating Costs (FUEL, FOG, TIRE WEAR, TIRE REPAIR, & REPAIR)	=	$40.00/hr
		==========
Total hourly rate (40 hrs/week)	=	$80.00/hr

Adjustment Calculation for new Cost of Money rate of 6.00%:

$30.00/hr + [($10.00/ hr) x (6.00 %)] + $40.00/hr = $82.00/hr
(5.00 %)

3-8. Actual Work Hours Exceed 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. 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:

Work Shift (Exceeding 40 hrs/week)

Hourly Rate = DEPR/hr + [(FCCM/ hr) x (40 hrs/week)] + Operating Costs/hr
(actual work hrs/week)

Example: Assume that TABLE 2-1 includes a crane *(Category C80, Sub-Category 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 can be determined as follows:

Assumptions for 40 hrs/week:

DEPR (Depreciation)	=	$30.00/hr
FCCM (Facilities Capital Cost of Money)	=	$10.00/hr
Operating Costs (FUEL, FOG, TIRE WEAR, TIRE REPAIR, & REPAIR)	=	$40.00/hr
		==========
Total hourly rate (40 hrs/week)	=	$80.00/hr

Adjustment Calculation for 60 hrs/week:

$30.00/hr + [($10.00/hr) x (40 hrs/week)] + $40.00/hr = $76.67/hr
(60 hrs/week)

3-9. Changes in Fuel Cost. Hourly fuel costs (including electricity) shall be adjusted in the event the average fuel prices at the jobsite vary by more than 10 percent above or below the price in APPENDIX B. The contractor shall be required to furnish copies of all fuel supply contracts and invoices to the government to support fuel cost adjustment. Request for upward adjustment in the rates will be considered only when fuel is supplied by recognized distributors of bulk quantities. For example, if fuel cost increased by 15 percent, then 15 percent of the hourly fuel cost shall be added to the total hourly rate. Mathematically this is the ratio of the new fuel cost divided by the fuel cost (Appendix B).

Hourly Rate = (DEPR/hr + FCCM/hr) + (FOG/hr + TIRE WEAR/hr + TIRE REPAIR/hr + REPAIR/hr) + [(new Fuel cost) x FUEL/hr]
(Fuel cost in Appendix B)

Example: Assume that TABLE 2-1 includes a crane *(Category C80, Sub-Category 0.02)* with the below hourly costs. The fuel cost of $1.03/gal from Appendix B has increased to $1.20/gal (increase of 16.5%). The total hourly rate is adjusted by adding 16.5% to the hourly FUEL cost element. The total hourly rate for this piece of equipment can be determined as follows:

Assumptions for fuel cost of $1.03/gal from Appendix B:

DEPR (Depreciation)	=	$30.00/hr
FCCM (Facilities Capital Cost of Money)	=	$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 new FUEL rate of $1.20/gal:

($30.00/hr + $10.00/hr) + $30.00/hr + [($1.20/gal) / ($1.03/gal) x $10.00/hr] = $81.65/hr

3-10. Adjustments to FOG Cost. The hourly FOG allowance shall also be adjusted upward or downward at the same percentage as the fuel cost change using the methodology as shown in paragraph 3-8, Changes in Fuel Cost.

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 is necessary. 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 varies by region.

a. When the age of a unit of equipment is older than the age of the equipment listed in TABLE 2-1, and does not exceed the economic life, as shown in APPENDIX D, use the example below to adjust the hourly rate. 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, Sub-Category 0.02)* manufactured in 1996, and has a total hourly rate of $65.00 per hour and an ownership rate of $30.00 per hour. If an equivalent crane owned by a contractor was manufactured in 1992, the total hourly rate is determined as follows:

Table 2-1 rate and adjustment calculation:

Total hourly rate	= $65.00/hr
Ownership rate 1996 (Depreciation + FCCM)	=-($30.00)/hr
Ownership rate 1992 adjusted for age	
(Ownership rate = $30.00) x (age adjustment factor = .89)	=+ $26.70/hr
	==========
Total hourly rate for equipment manufactured in 1992	= $61.70/hr

Note: The age adjustment factor of .89 is found in TABLE 3-1, for CAT C80, SUB 0.02, and for the year 1992.

b. When the unit of equipment is older than the age of equipment listed in TABLE 2-1 and exceeds the economic life as shown in APPENDIX D, use the example for overage equipment in Section 3-11.b shown below.

c. When the age of the unit of equipment is younger than the life in years shown in Table 3-1, use the latest age adjustment factor listed and follow the above adjustment example. The step-by-step calculation method shown in Figure 2-1, Equipment Rate Calculation Worksheet may also be used.

3-12. Rate Adjustment for Overage Equipment. If the contractor's equipment exceeds the economic life in hours, it is considered overage and the rates shall be adjusted (see Chapter 2, Section V, LIFE).

a. The base year for determining overage equipment value is the year corresponding to economic life. 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. TABLE 3-1 and TABLE 3-2 show factors for the economic life for equipment based on the current pamphlet year (e.g. manufactured in 1996). If there is 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.

b. If the equipment is overage, the ownership portion of the rate shall be adjusted. 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, Sub-Category 0.02)* manufactured in 1996, and has a total hourly rate of $65.00 per hour and an ownership rate of $30.00 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 1996 (Depreciation + FCCM)	=-($30.00)/hr
Ownership rate 1974 adjusted for age	
(Ownership rate = $30.00) x	
(Assume the oldest age adjustment factor = .77)	=+ $23.10/hr
	==========
Total hourly rate for equipment manufactured in 1974	= $58.10/hr

Note: The age adjustment factor of .77 is found in TABLE 3-1, for CAT C80, SUB 0.02, and for the last year shown.

3-13. Rate Adjustment for Overage Equipment Standby. If the equipment age is other than listed in TABLE 2-1 (1996), then adjustment to the hourly standby rate is required.

a. Standby rates are based on the "actual" age of the equipment, whether overage or not. The age adjustment factors given in TABLE 3-2 are multiplied by the hourly standby costs shown in TABLE 2-1 and result in a standby rate adjusted for the "actual" age of the unit of equipment being considered.

Example: Assume that TABLE 2-1 includes a crane *(Category C80, Sub-Category 0.02)* manufactured in 1996, and has a standby rate of $18.00 per hour. If an

equivalent crane owned by a contractor was manufactured in 1992, the hourly standby rate is determined as follows:

Table 2-1 rate:
Hourly Standby rate (per hour) = $18.00/hr

Adjustment Calculation:
Hourly Standby rate adjusted for actual age (per hour)
(Hourly Standby rate = $18.00/hr) x (Age adjustment factor = .90) = $16.20/hr

Note: The age adjustment factor of .90 is found in TABLE 3-2, for CAT C80, SUB 0.02, and for 1992 (actual year of manufacture).

b. When the equipment age is older than the last year shown in TABLE 3-2, the standby rate must be calculated using the step-by-step methodology shown in Figure 3-2, Standby Hourly Rate Calculation for Overage Equipment.

3-14. Adjustments to Rates for Equipment Not Listed in TABLE 2-1. When a unit of equipment is not listed in TABLE 2-1, the hourly rate may be determined by using the hourly rate listed for a similar unit of equipment or by proportioning a rate listed so that horsepower, value, capacity, and size are properly considered. When an hourly rate cannot be determined using TABLE 2-1, rates will be calculated following the methodology outlined in Chapter 2 and the adjustments explained in this chapter.

3-15. 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.

3-16. Rate Calculation Example. Figure 3-1, Total Hourly Rate Calculation for Overage Equipment, illustrates how total hourly rates are adjusted for overage equipment.

Figure 3-2, Standby Rate Calculation for Overage Equipment, gives a sample calculation for computing adjusted standby rates.

TABLE 3-1

EQUIPMENT AGE ADJUSTMENT FACTORS

FOR

OWNERSHIP COSTS

THE "Equipment Age Adjustment Factors for Ownership Costs" in TABLE 3-1 are used when the age of a unit of equipment is other than the age of the equipment listed in TABLE 2-1.

The factors given in TABLE 3-1 are multiplied by the hourly ownership costs when shown in TABLE 2-1 and result in an ownership rate adjusted for the actual age of the equipment being considered.

When the "life" of the unit of equipment has exceeded the economic life given in APPENDIX D, the age will be determined as discussed in Chapter 3, Adjusments to Hourly Rates

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 8	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	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
A10	0.00	AGGREGATE / CHIP SPREADERS																		
A10	0.10	SELF-PROPELLED	1.10	1.07	1.04	1.00	0.98	0.95	0.93											
A10	0.20	TOWED & TAILGATE	1.10	1.07	1.04	1.00														
A15	0.00	AIR COMPRESSORS, PORTABLE																		
A15	0.10	ROTARY SCREW	1.01	1.01	1.00	1.00	0.99	0.97	0.98											
A15	0.20	SHOP TYPE	1.01	1.01	1.00	1.00	0.99	0.97	0.98	0.97										
A20	0.00	AIR HOSE, TOOLS & EQUIPMENT																		
A20	0.10	AIR HOSE	1.01	1.01	1.00	1.00														
A20	0.20	SANDBLAST HOSE	1.01	1.01	1.00	1.00														
A20	0.30	SANDBLASTERS, BREAKERS, & MISC. AIR TOOLS	1.01	1.01	1.00	1.00														
A25	0.00	ASPHALT PAVING DISTRIBUTORS	1.10	1.07	1.04	1.00	0.98	0.95												
A30	0.00	ASPHALT PAVERS & MISCELLANEOUS ROAD EQUIPMENT																		
A30	0.10	SELF PROPELLED	1.10	1.07	1.04	1.00	0.98	0.95	0.93											
A30	0.20	TOWED	1.10	1.07	1.04	1.00	0.98	0.95	0.93											
A30	0.30	SLURRY SEAL PAVERS (COLD MIX)	1.10	1.07	1.03	1.00	0.98	0.95	0.93	0.89										
A30	0.40	MISCELLANEOUS ROAD EQUIPMENT	1.10	1.07	1.04	1.00	0.98	0.95	0.93											
A35	0.00	ASPHALT PAVING KETTLES	1.10	1.07	1.04	1.00														
A40	0.00	ASPHALT & CONCRETE MILLERS / PROFILERS / PLANERS	1.10	1.07	1.04	1.00	0.98	0.95	0.93											
A45	0.00	ASPHALT RECYCLERS & SEALERS	1.10	1.07	1.04	1.00	0.98	0.95												
B10	0.00	BATCH PLANTS (ASPHALT & CONCRETE)																		
B10	0.10	ASPHALT	1.10	1.07	1.03	1.00	0.98	0.95	0.93											
B10	0.20	CONCRETE	1.10	1.07	1.03	1.00	0.98	0.95	0.93											
B10	0.30	PUGMILL	1.10	1.07	1.03	1.00	0.98	0.95	0.93											
B15	0.00	BROOMS, STREET SWEEPERS & FLUSHERS	1.07	1.05	1.02	1.00	0.97	0.95												
B20	0.00	BRUSH CHIPPERS	1.07	1.05	1.02	1.00	0.97	0.95												
B25	0.00	BUCKETS, CLAMSHELL	1.04	1.03	1.02	1.00	0.98	0.98	0.98											
B30	0.00	BUCKETS, CONCRETE																		

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 8	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	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
B30	0.10	GENERAL PURPOSE, MANUAL TRIP	1.05	1.03	1.02	1.00	0.98	0.98	0.98											
B30	0.20	LAYDOWN	1.05	1.03	1.02	1.00	0.98	0.98	0.98											
B30	0.30	LOWBOY	1.05	1.03	1.02	1.00	0.98	0.98	0.98											
B30	0.40	LOW SLUMP	1.05	1.03	1.02	1.00	0.98	0.98	0.98											
B35	0.00	BUCKETS, DRAGLINE																		
B35	0.10	LIGHT WEIGHT	1.04	1.03	1.02	1.00	0.98	0.98												
B35	0.20	MEDIUM WEIGHT	1.04	1.03	1.02	1.00	0.98	0.98												
B35	0.30	HEAVY WEIGHT	1.04	1.03	1.02	1.00	0.98	0.98	0.98											
C05	0.00	CHAIN SAWS	1.07	1.04	1.02	1.00														
C10	0.00	COMPACTORS & WALK-BEHIND ROLLERS																		
C10	0.10	COMPACTORS, RAMMERS / TAMPERS & VIBRATORY PLATES	1.07	1.05	1.02	1.00														
C10	0.20	ROLLERS, VIBRATORY	1.07	1.05	1.02	1.00														
C15	0.00	CONCRETE CLEANERS / BLASTERS	1.07	1.05	1.02	1.00														
C20	0.00	CONCRETE BUGGIES	1.07	1.05	1.02	1.00														
C25	0.00	CONCRETE FINISHERS/SCREEDS/SPREADERS																		
C25	0.10	FINISHERS/TROWELS	1.07	1.05	1.02	1.00														
C25	0.20	VIBRATORY SCREED	1.07	1.05	1.02	1.00														
C25	0.25	VIBRATORY LASER SCREED	1.08	1.05	1.02	1.00	0.97	0.94												
C25	0.30	MATERIAL/TOPPING SPREADERS	1.08	1.05	1.02	1.00	0.97	0.94												
C30	0.00	CONCRETE GRINDERS	1.07	1.05	1.02	1.00														
C35	0.00	CONCRETE GUNITERS / SHOTCRETERS	1.07	1.04	1.02	1.00	0.97													
C40	0.00	CONCRETE MIXING UNITS	1.07	1.05	1.02	1.00														
C45	0.00	CONCRETE PAVING MACHINES	1.10	1.07	1.04	1.00	0.98	0.95	0.93											
C55	0.00	CONCRETE PUMPS	1.07	1.04	1.02	1.00	0.97	0.95												
C60	0.00	CONCRETE SAWS (sawblade wear not included)	1.07	1.05	1.02	1.00														
C65	0.00	CONCRETE VIBRATORS	1.01	1.01	1.00	1.00														
C70	0.00	CRANES, GANTRY & STRADDLE																		

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 8	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	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
C75	0.00	CRANES, HYDRAULIC, SELF-PROPELLED	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.89	0.84	0.81								
C80	0.00	CRANES, HYDRAULIC, TRUCK MOUNTED																		
C80	0.01	UNDER 26 TON	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.89	0.84	0.81								
C80	0.02	26 TON THRU 65 TON	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.89	0.84	0.81	0.77							
C80	0.03	66 TON THRU 125 TON	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.89	0.84	0.81	0.77	0.71						
C80	0.04	OVER 125 TON	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.90	0.84	0.81	0.77	0.71	0.69					
C85	0.00	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER MOUNTED																		
C85	0.11	DRAGLINE, CLAMSHELL, 0 THRU 1.0 CY	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.89										
C85	0.12	DRAGLINE, CLAMSHELL, OVER 1.0 CY THRU 2.5 CY	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.89	0.84	0.81								
C85	0.13	DRAGLINE, CLAMSHELL, OVER 2.5 CY THRU 5.0 CY	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.89	0.84	0.81	0.77							
C85	0.14	DRAGLINE, CLAMSHELL, OVER 5.0 CY	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.89	0.84	0.81	0.77	0.71						
C85	0.21	LIFTING, 0 THRU 25 TON	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.89	0.84									
C85	0.22	LIFTING, 26 TON THRU 50 TON	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.89	0.84	0.81								
C85	0.23	LIFTING, 51 TON THRU 150 TON	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.89	0.84	0.81	0.77	0.71						
C85	0.24	LIFTING, OVER 150 TON	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.90	0.84	0.81	0.77	0.71	0.69					
C90	0.00	CRANES, MECHANICAL, LATTICE BOOM, TRUCK MOUNTED																		
C90	0.01	UNDER 26 TON	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.89	0.84	0.81								
C90	0.02	26 TON THRU 65 TON	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.89	0.84	0.81	0.77							
C90	0.03	66 TON THRU 125 TON	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.89	0.84	0.81	0.77	0.71						
C90	0.04	OVER 125 TON	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.90	0.84	0.81	0.77	0.71	0.69					
C95	0.00	CRANES, TOWER	1.08	1.05	1.02	1.00	0.97	0.95	0.94	0.89	0.83	0.80	0.76	0.69						
D10	0.00	DRILLS,AIR/HYDRAULIC,CRWLR MTD,0" THRU 6.5" DIA HOLE	1.07	1.04	1.02	1.00	0.96	0.93	0.91											
D15	0.00	DRILLS, HORIZONTAL BORING & GROUND PIERCING	1.07	1.04	1.02	1.00	0.96	0.93	0.91											
D20	0.00	DRILLS, CORE, COLUMN MOUNTED	1.07	1.04	1.02	1.00	0.96	0.93												
D25	0.00	DRILLS, CORE, SKID MOUNTED	1.07	1.04	1.02	1.00	0.96	0.93	0.91											
D30	0.00	DRILLS, EARTH / AUGER	1.07	1.04	1.02	1.00	0.96	0.93	0.91											
D35	0.00	DRILLS, ROTARY BLASTHOLE																		

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 8	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	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
D35	0.11	DIESEL, 4.5" THRU 9.875" DIAMETER HOLE	1.06	1.03	1.02	1.00	0.96	0.93	0.92	0.89	0.88	0.85								
D35	0.12	DIESEL, OVER 9.875" DIAMETER	1.06	1.03	1.02	1.00	0.96	0.93	0.92	0.89	0.88	0.85	0.82	0.77						
D35	0.21	ELECTRIC, 4.5" THRU 9.875" DIAMETER HOLE	1.06	1.03	1.02	1.00	0.96	0.93	0.92	0.89	0.88	0.85								
D35	0.22	ELECTRIC, OVER 9.875" DIAMETER	1.06	1.03	1.02	1.00	0.96	0.93	0.92	0.89	0.88	0.85	0.82	0.77						
F10	0.00	FORK LIFTS	1.07	1.05	1.02	1.00	0.97	0.95	0.93											
G10	0.00	GENERATOR SETS																		
G10	0.10	PORTABLE	1.00	1.00	0.99	1.00	0.99	0.96												
G10	0.20	SKID MOUNTED	1.00	1.00	0.99	1.00	0.99	0.96	0.95											
G15	0.00	GRADERS, MOTOR	1.09	1.05	1.02	1.00	0.94	0.91	0.88	0.82	0.78	0.75								
H10	0.00	HAMMERS, HYDRAULIC (DEMOLITION TOOL)	1.07	1.05	1.02	1.00														
H13	0.00	HAZARD/TOXIC WASTE EQUIPMENT																		
H13	0.11	COMPACTORS (COMPRESSION FORCE) 0 THRU 50 TONS	1.07	1.04	1.02	1.00	0.97	0.95	0.94											
H13	0.12	COMPACTORS (COMPRESSION FORCE) OVER 50 TONS	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.91										
H13	0.21	FILTER PRESSES, STATIONARY	1.07	1.05	1.02	1.00	0.97	0.95	0.93											
H13	0.22	FILTER PRESSES, MOBILE	1.07	1.04	1.02	1.00	0.97	0.95	0.94											
H13	0.30	CENTRIFUGES	1.07	1.05	1.02	1.00														
H13	0.40	SHREDDERS	1.07	1.04	1.02	1.00	0.97	0.95	0.94											
H13	0.51	SOIL TREATMENT PLANT, MOBILE	1.07	1.04	1.02	1.00	0.97	0.95	0.94											
H13	0.61	SLUDGE PROCESSING EQUIP, SLUDGE DISPENSERS	1.07	1.04	1.02	1.00	0.97	0.95	0.94											
H13	0.71	WASTE HANDLING EQUIPMENT, DRUM HANDLING	1.07	1.04	1.02	1.00														
H15	0.00	HEATERS, SPACE																		
H20	0.00	HOISTS & AIR WINCHES	1.07	1.05	1.02	1.00	0.97	0.95												
H25	0.00	HYDRAULIC EXCAVATORS, CRAWLER MOUNTED																		
H25	0.11	0 LBS THRU 40,000 LBS	1.08	1.05	1.03	1.00	0.97	0.94	0.93											
H25	0.12	OVER 40,000 LBS THRU 100,000 LBS	1.08	1.05	1.02	1.00	0.97	0.95	0.93	0.89										
H25	0.13	OVER 100,000 LBS THRU 160,000 LBS	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.89	0.84	0.81	0.77	0.71						
H25	0.14	OVER 160,000 LBS	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.89	0.84	0.81	0.77	0.71						

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 8	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	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
H25	0.21	ATTACHMENTS, MOBILE SHEARS	1.07	1.04	1.02	1.00														
H25	0.22	ATTACHMENTS, MATERIAL HANDLING	1.07	1.05	1.02	1.00														
H25	0.23	ATTACHMENTS, CONCRETE PULVERIZERS	1.07	1.04	1.02	1.00														
H25	0.24	ATTACHMENTS, COMPACTORS	1.07	1.04	1.02	1.00														
H30	0.00	HYDRAULIC EXCAVATORS, WHEEL MOUNTED																		
H30	0.01	0 THRU 1.0 CY	1.08	1.05	1.03	1.00	0.97	0.94												
H30	0.02	OVER 1.0 CY	1.08	1.05	1.02	1.00	0.97	0.95	0.94											
H35	0.00	HYDRAULIC SHOVELS, CRAWLER MOUNTED																		
H35	0.11	DIESEL, 0 CY THRU 5.0 CY	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.89	0.84	0.81								
H35	0.12	DIESEL, OVER 5.0 CY	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.89	0.84	0.81	0.77							
H35	0.21	ELECTRIC, OVER 2.5 CY	1.08	1.05	1.02	1.00	0.97	0.95	0.94	0.89	0.83	0.80	0.76	0.69						
L10	0.00	LAND CLEARING EQUIPMENT	1.07	1.04	1.02	1.00	0.96	0.93	0.88											
L15	0.00	LANDSCAPING EQUIPMENT	1.07	1.04	1.02	1.00														
L20	0.00	LIGHTING SETS, TRAILER MOUNTED																		
L20	0.10	METALLIC VAPOR	1.07	1.05	1.02	1.00	0.97	0.94												
L25	0.00	LINE STRIPING EQUIPMENT	1.07	1.05	1.02	1.00	0.97	0.94												
L30	0.00	LOADERS, BELT (CONVEYOR BELTS) & ACCESSORIES	1.07	1.05	1.02	1.00	0.97	0.95	0.93											
L35	0.00	LOADERS, FRONT END, CRAWLER TYPE	1.07	1.04	1.02	1.00	0.96	0.92												
L40	0.00	LOADERS, FRONT END, WHEEL TYPE																		
L40	0.11	ARTICULATED, 0 THRU 225 HP	1.06	1.04	1.01	1.00	0.96	0.94	0.91											
L40	0.12	ARTICULATED, OVER 225 HP	1.05	1.03	1.01	1.00	0.97	0.94	0.92	0.89	0.87									
L40	0.20	SKID STEER	1.06	1.03	1.01	1.00	0.97	0.94												
L40	0.21	SKID STEER ATTACHMENTS	1.06	1.03	1.01	1.00														
L40	0.31	TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP	1.06	1.04	1.01	1.00	0.96	0.94	0.91											
L40	0.32	TOOL CARRIER & TELESCOPIC HANDLERS, OVER 225 HP	1.05	1.03	1.01	1.00	0.97	0.94	0.92	0.89										
L45	0.00	LOADERS / BACKHOE, CRAWLER TYPE	1.07	1.04	1.02	1.00	0.96	0.93	0.88											
L50	0.00	LOADERS / BACKHOE, WHEEL TYPE	1.06	1.04	1.01	1.00	0.96	0.94	0.91											

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 8	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	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
L55	0.00	LOADER / BACKHOE, ATTACHMENTS	1.07	1.05	1.02	1.00														
L60	0.00	LOG SKIDDERS	1.05	1.04	1.02	1.00	1.00	0.99												
M10	0.00	MARINE EQUIPMENT																		
M10	0.11	AQUATIC MAINTENANCE	1.10	1.06	1.04	1.00	0.95	0.94	0.92											
M10	0.12	AQUATIC MAINTENACE ATTACHMENTS	1.11	1.06	1.04	1.00														
M10	0.21	HYDRAULIC CUTTERHEAD DREDGE, 8" OR LESS,TRANSPORTABLE	1.10	1.06	1.04	1.00	0.95	0.94	0.92											
M10	0.22	HYDRAULIC CUTTERHEAD DREDGE,8" - 12",TRANSPORTABLE	1.10	1.06	1.04	1.00	0.96	0.94	0.92	0.88										
M10	0.23	HYDRAULIC AUGERHEAD DREDGE,12" OR LESS,TRANSPORTABLE	1.10	1.06	1.04	1.00	0.95	0.94	0.92											
M10	0.24	HYDRAULIC FLOATING PUMPS,12" OR LESS,TRANSPORTABLE	1.10	1.06	1.04	1.00	0.96	0.94												
M10	0.25	HYDRUALIC DREDGE PUMPS,12" OR LESS,TRANSPORTABLE	1.10	1.06	1.04	1.00														
M10	0.26	HYDRAULIC DREDGE / PUMP ATTACHMENTS	1.10	1.06	1.04	1.00														
M10	0.31	SMALL MECH DREDGES,CLAMSHELL,BARGE-MTD TO 5 CY	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.90	0.84	0.81	0.77	0.71	0.69					
M10	0.32	SMALL MECH DREDGES, AMPHIBIOUS EXCAVATORS	1.08	1.05	1.02	1.00	0.97	0.95	0.94											
M10	0.33	SMALL MECH DREDGES,HOE-MOUNTED DREDGING ATTACH	1.10	1.06	1.04	1.00	0.96	0.94	0.92	0.88	0.83	0.79	0.76	0.72	0.71					
M10	0.34	CLAMSHELL, BARGE-MTD, UNDER 6 CY	1.09	1.05	1.04	1.00	0.96	0.94	0.93	0.89	0.84	0.81	0.77							
M10	0.35	CLAMSHELL, BARGE-MTD, 6 CY - 10 CY	1.09	1.05	1.04	1.00	0.96	0.94	0.93	0.89	0.84	0.81	0.77	0.74	0.73	0.73	0.71	0.68	0.66	
M10	0.36	CLAMSHELL, BARGE-MTD, 11 CY - 15 CY	1.09	1.05	1.04	1.00	0.96	0.94	0.93	0.89	0.84	0.81	0.78	0.74	0.74	0.73	0.71	0.69	0.66	0.64
M10	0.41	WORK FLOATS (NON-DREDGING)	1.10	1.06	1.04	1.00														
M10	0.42	WORK BARGES (SECTIONAL, NON-DREDGING)	1.10	1.06	1.04	1.00	0.96	0.94	0.92											
M10	0.45	FLAT-DECK OR CARGO BARGE (NON-DREDGING)	1.09	1.05	1.03	1.00	0.96	0.94	0.93	0.89	0.85	0.81	0.78	0.75	0.74	0.74	0.72	0.69	0.67	0.65
M10	0.46	DUMP SCOW (NON-DREDGING)	1.09	1.05	1.03	1.00	0.96	0.94	0.93	0.89	0.85	0.81	0.78	0.75	0.74	0.74	0.72	0.69	0.67	0.65
M10	0.47	DRILL BARGE (NON-DREDGING)	1.09	1.05	1.04	1.00	0.96	0.94	0.93	0.89	0.84	0.80	0.77	0.73	0.73	0.72	0.70	0.68	0.65	0.63
M10	0.48	ALL OTHER BARGES (NON-DREDGING)	1.09	1.05	1.04	1.00	0.96	0.94	0.93	0.89	0.84	0.80	0.77	0.73	0.73	0.72	0.70	0.68	0.65	0.63
M10	0.51	BOATS & LAUNCHES, 0 THRU 250 HP	1.10	1.06	1.04	1.00	0.95	0.94	0.92	0.88										
M10	0.53	BOATS & LAUNCHES, 251 THRU 500 HP	1.10	1.06	1.04	1.00	0.95	0.94	0.92	0.88	0.83	0.79								
M10	0.54	TUGS, 501 THRU 1,000 HP	1.10	1.05	1.04	1.00	0.96	0.94	0.93	0.88	0.84	0.80	0.76	0.73	0.72					
M10	0.55	TUGS, 1,000 THRU 2,000 HP	1.09	1.05	1.04	1.00	0.96	0.94	0.93	0.89	0.84	0.81	0.78	0.74	0.74	0.73	0.71	0.69	0.66	0.64

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 8 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
			1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
M10	0.56	TUGS, 2,000 THRU 3,000 HP	1.09	1.05	1.03	1.00	0.96	0.94	0.93	0.89	0.85	0.82	0.78	0.75	0.74	0.74	0.72	0.70	0.67	0.65
M10	0.57	TUGS, OVER 3,000 HP	1.09	1.05	1.03	1.00	0.96	0.95	0.93	0.89	0.85	0.82	0.78	0.75	0.75	0.74	0.72	0.70	0.67	0.65
M10	0.60	LFTING CRANE, BARGE MTD, 25 - 75 TON, 45' BOOM	1.09	1.05	1.04	1.00	0.96	0.94	0.93	0.89	0.84	0.81	0.77							
M10	0.61	LFTING CRANE, BARGE MTD, OVER 75 - 125 TON, 60' BOOM	1.09	1.05	1.04	1.00	0.96	0.94	0.93	0.89	0.84	0.81	0.77	0.74	0.73	0.73	0.71	0.68	0.66	
M10	0.62	LFTING CRANE, BARGE MTD, OVER 125 - 200 TON, 80' BOOM	1.09	1.05	1.04	1.00	0.96	0.94	0.93	0.89	0.84	0.81	0.78	0.74	0.74	0.73	0.71	0.69	0.66	0.64
P10	0.00	PILE HAMMER ACCESSORIES - EXTRACTORS & BOX LEADS	1.09	1.06	1.03	1.00														
P20	0.00	PILE HAMMERS, DOUBLE ACTING																		
P20	0.10	DIESEL	1.09	1.06	1.03	1.00														
P20	0.20	STEAM	1.09	1.06	1.03	1.00														
P25	0.00	PILE HAMMERS, SINGLE ACTING																		
P25	0.10	DIESEL	1.09	1.06	1.03	1.00														
P25	0.20	STEAM	1.09	1.06	1.03	1.00														
P30	0.00	PILE HAMMERS, DRIVER/ EXTRACTOR, VIBRATORY	1.09	1.06	1.03	1.00														
P35	0.00	PIPELAYERS	1.07	1.04	1.02	1.00	0.96	0.92	0.88	0.83	0.80	0.77								
P40	0.00	PLATFORMS & MAN-LIFTS	1.08	1.05	1.03	1.00	0.97	0.94												
P45	0.00	PUMPS, GROUT	1.07	1.04	1.02	1.00	0.97	0.95												
P50	0.00	PUMPS, WATER, CENTRIFUGAL, TRASH																		
P50	0.11	SKID MOUNTED, ENGINE DRIVE	1.07	1.05	1.02	1.00	0.97	0.94												
P50	0.12	SKID MOUNTED, ELECTRIC DRIVE	1.07	1.05	1.02	1.00	0.97	0.94												
P50	0.21	WHEEL MOUNTED, ENGINE DRIVE	1.07	1.05	1.02	1.00	0.97	0.94												
P50	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	1.07	1.05	1.02	1.00	0.97	0.94												
P50	0.31	HOSES, PUMP, SUCTION & DISCHARGE	1.06	1.04	1.02	1.00														
P55	0.00	PUMPS, WATER, SUBMERSIBLE																		
P55	0.01	ENGINE DRIVE	1.07	1.05	1.02	1.00	0.97	0.94	0.93											
P55	0.02	ELECTRIC DRIVE	1.07	1.05	1.02	1.00	0.97	0.94	0.93											
P60	0.00	PUMPS, WATER, CENTRIFUGAL, DEWATERING																		
P60	0.11	SKID MOUNTED, ENGINE DRIVE	1.07	1.05	1.02	1.00	0.97	0.94												

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 8	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	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
P60	0.12	SKID MOUNTED, ELECTRIC DRIVE	1.07	1.05	1.02	1.00	0.97	0.94												
P60	0.21	WHEEL MOUNTED, ENGINE DRIVE	1.07	1.05	1.02	1.00	0.97	0.94												
P60	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	1.07	1.05	1.02	1.00	0.97	0.94												
P65	0.00	PUMPS, WATER, DIAPHRAGM																		
P65	0.11	SKID MOUNTED, ENGINE DRIVE	1.07	1.05	1.02	1.00	0.97	0.94												
P65	0.12	SKID MOUNTED, ELECTRIC DRIVE	1.07	1.05	1.02	1.00	0.97	0.94												
P65	0.21	WHEEL MOUNTED, ENGINE DRIVE	1.07	1.05	1.02	1.00	0.97	0.94												
P65	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	1.07	1.05	1.02	1.00	0.97	0.94												
P70	0.00	PUMPS, WATER (FOR CORE DRILLS)																		
P70	0.01	ENGINE DRIVE	1.07	1.05	1.02	1.00	0.97	0.94												
P70	0.02	ELECTRIC DRIVE	1.07	1.05	1.02	1.00	0.97	0.94												
R10	0.00	RIPPERS & HYDRAULIC BANK SLOPERS(no point wear included)	1.07	1.04	1.02	1.00	0.96	0.92												
R15	0.00	ROLLERS, STATIC, TOWED, PNEUMATIC	1.05	1.03	1.01	1.00	0.98	0.94	0.89											
R20	0.00	ROLLERS, STATIC, TOWED, STEEL DRUM	1.05	1.03	1.01	1.00	0.98	0.94	0.89											
R30	0.00	ROLLERS, STATIC, SELF-PROPELLED																		
R30	0.01	PNEUMATIC	1.05	1.03	1.01	1.00	0.98	0.94												
R30	0.02	SMOOTH DRUM	1.05	1.03	1.01	1.00	0.98	0.94	0.89											
R30	0.03	TAMPING FOOT	1.05	1.03	1.01	1.00	0.98	0.94	0.89											
R40	0.00	ROLLERS, VIBRATORY, TOWED	1.05	1.03	1.01	1.00	0.98	0.94												
R45	0.00	ROLLERS, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM	1.05	1.03	1.01	1.00	0.98	0.94												
R50	0.00	ROLLERS, VIBRATORY, SELF-PROPELLED, SINGLE DRUM	1.05	1.03	1.01	1.00	0.98	0.94												
R55	0.00	ROOFING EQUIPMENT	1.07	1.04	1.02	1.00														
S10	0.00	SCRAPERS, ELEVATING																		
S10	0.01	0 THRU 200 HP	1.09	1.05	1.02	1.00	0.94	0.92	0.89											
S10	0.02	OVER 200 HP	1.08	1.05	1.02	1.00	0.94	0.92	0.89											
S15	0.00	SCRAPERS, CONVENTIONAL	1.08	1.04	1.02	1.00	0.94	0.92	0.89	0.83	0.80	0.77	0.74	0.70						
S20	0.00	SCRAPERS, TANDEM POWERED	1.08	1.04	1.02	1.00	0.94	0.92	0.89	0.83	0.80	0.77	0.74	0.70						

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 8	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	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
S25	0.00	SCRAPERS, TRACTOR DRAWN	1.09	1.05	1.02	1.00	0.94	0.92	0.89	0.82										
S30	0.00	SCREENING & CRUSHING PLANTS																		
S30	0.10	CONVEYORS	1.07	1.05	1.02	1.00	0.97	0.95	0.93											
S30	0.20	CRUSHERS	1.07	1.04	1.02	1.00	0.97	0.95	0.94											
S30	0.30	SCREENING PLANT	1.07	1.05	1.02	1.00	0.97	0.95	0.93											
S35	0.00	SNOW REMOVAL EQUIPMENT	1.07	1.05	1.02	1.00	0.97	0.95												
S40	0.00	SOIL & ROAD STABILIZERS	1.09	1.05	1.02	1.00	0.94	0.92	0.89											
S45	0.00	SPLITTERS, ROCK & CONCRETE	1.07	1.05	1.02	1.00														
T10	0.00	TRACTOR BLADES & ATTACHMENTS	1.07	1.04	1.02	1.00	0.96	0.93	0.88											
T15	0.00	TRACTORS, CRAWLER (DOZER) (includes blade)																		
T15	0.01	0 THRU 225 HP	1.07	1.04	1.02	1.00	0.96	0.92	0.88											
T15	0.02	226 HP THRU 425 HP	1.06	1.04	1.02	1.00	0.96	0.93	0.89	0.84	0.81	0.78	0.75	0.70						
T15	0.03	OVER 425 HP	1.06	1.04	1.02	1.00	0.97	0.93	0.89	0.84	0.82	0.79	0.76	0.72	0.67	0.64	0.64			
T20	0.00	TRACTORS, WHEEL TYPE (DOZER)	1.05	1.04	1.02	1.00	1.00	0.99	0.95	0.93										
T25	0.00	TRACTORS, AGRICULTURAL																		
T25	0.10	CRAWLER	1.05	1.04	1.02	1.00	1.00	0.99	0.95											
T25	0.20	WHEEL	1.05	1.04	1.02	1.00	1.00	0.99												
T30	0.00	TRENCHERS, CHAIN TYPE CUTTER	1.08	1.06	1.02	1.00	0.98	0.95												
T35	0.00	TRENCHERS, WHEEL TYPE CUTTER	1.08	1.06	1.02	1.00	0.98	0.95	0.89											
T40	0.00	TRUCK OPTIONS																		
T40	0.10	CRANES / HOISTS, PERSONNEL & MATERIAL HANDLING	1.07	1.05	1.02	1.00	0.97	0.95												
T40	0.20	DUMP BODY, REAR	1.07	1.05	1.02	1.00	0.97	0.95												
T40	0.30	FLATBEDS, WITH SIDES	1.07	1.05	1.02	1.00	0.97	0.95												
T40	0.41	HOIST, ELECTRIC DRIVE	1.07	1.05	1.02	1.00	0.97	0.95												
T40	0.50	TRANSIT MIXERS	1.07	1.04	1.02	1.00	0.97	0.95												
T40	0.60	WATER TANKS	1.07	1.05	1.02	1.00	0.97	0.95												
T40	0.70	ALL OTHER OPTIONS	1.07	1.05	1.02	1.00	0.97	0.95												

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 8	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	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
T45	0.00	TRUCK TRAILERS																		
T45	0.10	BOTTOM DUMP	1.07	1.04	1.02	1.00	0.97	0.95	0.94											
T45	0.20	END DUMP	1.07	1.04	1.02	1.00	0.97	0.95	0.94											
T45	0.30	PUP TRAILER	1.07	1.04	1.02	1.00	0.97	0.95												
T45	0.41	LOWBOY, RIGID NECK, DROP DECK	1.08	1.05	1.02	1.00	0.97	0.94	0.92											
T45	0.50	FLATBED TRAILER	1.08	1.05	1.02	1.00	0.97	0.94	0.92											
T45	0.60	MISCELLANEOUS / UTILITY	1.08	1.05	1.02	1.00	0.97	0.94	0.92											
T45	0.70	WATER TANKER TRAILER	1.08	1.05	1.02	1.00	0.97	0.94	0.92											
T45	0.80	DECONTAMINATION FACILITY	1.08	1.05	1.02	1.00	0.97	0.94												
T45	0.90	TANK TRAILERS	1.08	1.05	1.02	1.00	0.97	0.94	0.92											
T50	0.00	TRUCKS, HIGHWAY (add attachments as required)																		
T50	0.01	0 THRU 10,000 GVW	0.96	0.97	0.98	1.00	0.99													
T50	0.02	OVER 10,000 THRU 30,000 GVW(CHASSIS ONLY-ADD OPTIONS)	0.96	0.97	0.98	1.00	0.99	0.96												
T50	0.03	OVER 30,000 GVW (CHASSIS ONLY-ADD OPTIONS)	0.96	0.97	0.98	1.00	0.99	0.96												
T55	0.00	TRUCKS, OFF-HIGHWAY	1.07	1.04	1.03	1.00	0.96	0.91	0.88	0.87	0.86	0.83	0.79	0.73	0.69	0.68	0.67	0.67	0.66	
T56	0.00	TRUCKS,OFF-HIGHWAY/PRIME MOVER TRACTORS & WAGONS																		
T56	0.10	PRIME MOVER TRACTORS	1.08	1.04	1.03	1.00	0.96	0.91	0.88	0.87	0.86	0.83	0.79	0.72						
T56	0.20	WAGONS, BOTTOM DUMP	1.08	1.04	1.03	1.00	0.96	0.90	0.88	0.87	0.85	0.83								
T56	0.30	WAGONS, REAR DUMP	1.08	1.04	1.03	1.00	0.96	0.90	0.87	0.87										
T57	0.00	TRUCKS, VACUUM	1.07	1.05	1.02	1.00	0.97	0.95	0.93											
T60	0.00	TRUCKS, WATER, OFF-HIGHWAY	1.08	1.05	1.03	1.00	0.96	0.90	0.87	0.86										
T65	0.00	TUNNEL/MINING EQUIPMENT																		
T65	0.10	DRIFTING & TUNNELING DRILLS	1.06	1.03	1.02	1.00	0.96	0.94	0.92	0.90	0.89	0.86								
T65	0.20	TUNNEL BORING MACHINES	1.06	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.85	0.82	0.78						
T65	0.30	PRODUCTION DRILLING RIGS	1.06	1.03	1.02	1.00	0.96	0.94	0.92	0.90										
T65	0.40	ROADHEADERS & CONTINUOUS MINERS	1.06	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.85	0.82							
T65	0.50	ROCK BOLTING EQUIPMENT	1.07	1.05	1.02	1.00	0.97	0.95	0.93											

Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

CATEGORY	SUB	REGION 8	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	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
T65	0.61	LOADING & HAULING EQUIPMENT, DIESEL OR GAS	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.91										
T65	0.62	LOADING & HAULING EQUIPMENT, ELECTRIC	1.07	1.04	1.02	1.00	0.97	0.95	0.93	0.91	0.88	0.85								
T65	0.63	LOADING & HAULING EQUIPMENT, AIR-POWERED	1.07	1.05	1.02	1.00	0.97	0.94	0.93											
T65	0.70	LOCOMOTIVES	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.91										
T65	0.90	OTHER TUNNELING EQUIPMENT	1.07	1.05	1.02	1.00	0.97	0.95	0.93											
W10	0.00	WAGONS, BOTTOM DUMP	1.08	1.04	1.03	1.00	0.96	0.90	0.87	0.87										
W15	0.00	WAGONS, REAR DUMP	1.08	1.04	1.03	1.00	0.96	0.90	0.87	0.87										
W25	0.00	WATER & CO2 BLASTERS																		
W25	0.10	LOW PRESSURE, (< 5,000 PSI)	1.07	1.05	1.02	1.00														
W25	0.20	HIGH PRESSURE, (>= 5,000 PSI)	1.07	1.05	1.02	1.00														
W25	0.30	STEAM CLEANERS	1.07	1.05	1.02	1.00														
W25	0.40	CO2 BLASTERS	1.07	1.05	1.02	1.00	0.97	0.95												
W30	0.00	WATER TANKS																		
W30	0.10	PORTABLE WITH WHEELS	1.08	1.05	1.03	1.00	0.96	0.90	0.87	0.86										
W30	0.20	SKID MOUNTED	1.08	1.05	1.03	1.00	0.96	0.90	0.87	0.86										
W35	0.00	WELDERS																		
W35	0.10	ENGINE DRIVEN	1.08	1.05	1.02	1.00	0.97	0.94												
W35	0.20	ELECTRIC DRIVEN	1.08	1.05	1.02	1.00														

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 = 1982
4. Actual purchase price in 1982 = $168,000
5. Horsepower is 203 hp
6. Drive tire size = 23.50 x 25, 16 Ply, L-3

Drive tire cost (1999) = 4 tires x $1,711 = $6,844

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

1. Category L40 Sub Category 0.11 (wheel loaders < 225 hp)
2. The year corresponding to the last age adjustment factor = 1993

E. Adjust the actual purchase price:

1. Economic Indexes from APPENDIX E (wheel loaders EK = 45)

a. For 1993 (first year of economic life) the economic index = 4894

b. For 1982 (year of manufacture) the economic index = 3788

2. Purchase price (TEV) indexed to 1993 (first year of economic life):
(Purchase price includes discount, sales tax & freight)

(4894/ 3788) x $168,000 = $217,052 (=1993 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 & EXPENSE FACTORS

For ID No. **N/A**

a. Equipment Specification Data:

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

(2) Model and Series: 125 C, 4WD, 4 C.Y.

(3) Present Year or Year of Use: 1999

(4) Year Manufactured: 1982 (first year of economic life = 1993)

(5) Horsepower - Equipment: 203

(6) Horsepower - Carrier: N/A

(7) Fuel type: - Equipment: gas / diesel off-road / diesel on-road / electric / airD-OFF_

- Carrier: gas / diesel off-road / diesel on-road / electric / air N/A___

(8) Shipping Weight (CWT): 367 CWT

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

(a) Front:	No.: N/A	Size/Ply:	Cost:	$
(b) Drive:	No.: 4	Size/Ply: 23.5 X 25, 16 Ply	Cost:	$ 6,844
(c) Trailing:	No.: N/A	Size/Ply:	Cost:	$
(d) Total Tire Cost:				$ 6,844

USE APPENDIX D TO COMPLETE THE FOLLOWING DATA:

b. Category and Sub-category Number: L 4 0 0.11

c. Hourly Expense Calculation Factors:

(1) Economic Key (E K):		45
(2) Condition (C):	Average or Severe	AVERAGE
(3) Discount Code (DC):	B = 7.5% (0.075) - or - S = 15.0% (0.15)	B = .075
(4) Life in Hours (LIFE):		10,000
(5) Salvage Value Percentage (SLV):		0.25
(6) Fuel Factor - Equipment (E G D):		0.033
(7) Fuel Factor - Carrier (E G D):		N/A
(8) FOG Factor (E G D):		0.445
(9) Tire Wear Factor:		
(a) Front (FT):		N/A
(b) Drive (DT):	(SEE 9(b))	0.42
(c) Trailing (TT):		N/A
(10) Repair Cost Factor (RCF):		0.70

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

2. EQUIPMENT VALUE

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

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

(___-----_____) x (_____------____) = -($ ---)

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

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

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

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

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

(____-----__ CWT) x (_____-----_____) =+($ ---)

c. TOTAL EQUIPMENT VALUE (TEV): **2. TOTAL: = $** 217,052
[(2.a.(4)] + [(2.b)]

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

3. DEPRECIATION PERIOD (N)

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

(10,000 Hrs) / (_____1540_____Hrs/Yr) **3. TOTAL:** = 6.494 Yrs(N)

4. OWNERSHIP COST

a. Depreciation

(1) Tire Costs Index (TCI):

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

(_____2525_____) / (_____2400_____) = ____1.052___ (TCI)
(for 1993) (for 1999)

(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)]

[(_217,052__) x **[** 1.0 - (_0.25__) **]** - **[** (1.052_) x (__6,844_) **]]** / (__10,000)

= $__15.56___**/Hr**

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

[[(6.494 Yrs) - 1.0 **]** x **[** 1.0 +(0.25) **]** + 2.0 **]** / **[** 2.0 x (6.494 Yrs) **]** = 0.683 (AVF)

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

(217,052) x (0.683) x (0.04) / (1540 Hrs/Yr)

= $ 3.85 **/Hr**

c. TOTAL HOURLY OWNERSHIP COST: **4. TOTAL:** = $ 19.41 **/Hr**
[4.a.(2)] + [4.b.(2)]

5. OPERATING COST

a. Fuel Costs:

(1) Equipment:

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

(0.033) x (203 HP) x (0.92 /Gal) = $ 6.16 **/Hr**

(2) Carrier:

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

(---) x (--- HP) x (--- /Gal) = $ --- **/Hr**

(3) Total Hourly Fuel Costs Total 5.a. = $ 6.16 **/Hr**
[(5.a (1)] + [5.a (2)]

b. FOG Cost:

(1) Equipment:

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

(0.445) x (6.16 /Hr) x (1.11) = $ 3.04 **/Hr**

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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. = $ 3.04 **/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] (for 1999) [APPENDIX E] (for 1993)

(_____5,505_____) / (_____4894_____) = ___1.125___(EAF)

(See TABLE 3-2 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 (___1.125___) x (___1.11___) = ___0.874___ (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)]

[(217,052) - **[** (1.052) x (6,844) **]]** x (0.874) / (10,000)

(4) Total Hourly Repair Cost: Total 5.d. = $ 18.34 **/Hr**

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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:

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

[1.5 x (---)**]** / **[** 1.8 x (---) x (--- /Hrs) **]**
= $ --- **/Hr**

(2) Drive Tires:

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

[1.5 x (6,844)**]** / **[** 1.8 x (0.42) x (5,000 /Hrs)**]**
= $ 2.72 **/Hr**

(3) Trailing Tires:

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

[1.5 x (---)**]** / **[** 1.8 x (---) x (--- /Hrs) **]**

= $ --- /Hr

(4) Total Tire Wear Cost Total 5.e. = $ 2.72 **/Hr**
[Sum 5.e.(1) through 5.e.(3)]

f. Tire Repair Cost:

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

(2.72) x 0.15 x (1.11) Total 5.f. = $ 0.45 **/Hr**

g. TOTAL HOURLY OPERATING COST: **5. TOTAL:** $ 30.71 **/Hr**
[Sum 5.a. through 5.f.]

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

6. HOURLY RATES

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

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

(__19.41___/Hr) + (____30.71___ /Hr)

= $__50.12___/Hr

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

[(Depreciation) +**[** (FCCM) x (40 hrs/wk) / (Work Hrs/wk)**]** + (Operating Costs)**]**
[4. a. (2)] [4. b. (2)] (example: 60 hrs/wk) [5.g.]

[(_____/Hr) +**[** (_____/ Hr) x (40 Hrs/wk) / (_____Hrs/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

FOR CALCULATION OF OVERAGE EQUIPMENT STANDBY RATE, SEE FIGURE 3-2.

See Chapter 3 if rate adjustments are necessary.

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

TABLE 3-2

EQUIPMENT AGE ADJUSTMENT FACTORS

FOR

STANDBY COSTS

THE "Age Adjustment Factors for Standby Costs" in TABLE 3-2 are used when the age of a unit of equipment is other than the age of the unit of equipment listed in TABLE 2-1.

The factors given in TABLE 3-2 are multiplied by the hourly standby costs shown in TABLE 2-1 and result in an standby rate adjusted for the actual age of the equipment being considered.

When the "life" of the unit of equipment has exceeded the economic service life given in APPENDIX D, the age will be determined as discussed in Chapter 3, Adjusments to Hourly Rates

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 8	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	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
A10	0.00	AGGREGATE / CHIP SPREADERS																		
A10	0.10	SELF-PROPELLED	1.10	1.07	1.03	1.00	0.98	0.95	0.93	0.90	0.90	0.86	0.82	0.80	0.78	0.76	0.76	0.73	0.72	0.74
A10	0.20	TOWED & TAILGATE	1.10	1.07	1.04	1.00	0.98	0.95	0.93	0.89	0.90	0.85	0.82	0.79	0.77	0.75	0.75	0.72	0.71	0.73
A15	0.00	AIR COMPRESSORS, PORTABLE																		
A15	0.10	ROTARY SCREW	1.01	1.01	1.00	1.00	0.99	0.97	0.98	0.97	0.94	0.94	0.90	0.85	0.81	0.80	0.81	0.78	0.79	0.77
A15	0.20	SHOP TYPE	1.01	1.01	1.00	1.00	0.99	0.97	0.98	0.97	0.95	0.94	0.90	0.86	0.82	0.81	0.82	0.79	0.80	0.78
A20	0.00	AIR HOSE, TOOLS & EQUIPMENT																		
A20	0.10	AIR HOSE	1.01	1.01	1.00	1.00	0.99	0.97	0.98	0.97	0.95	0.94	0.91	0.86	0.82	0.82	0.82	0.80	0.80	0.79
A20	0.20	SANDBLAST HOSE	1.01	1.01	1.00	1.00	0.99	0.97	0.98	0.97	0.95	0.94	0.91	0.86	0.82	0.82	0.82	0.80	0.80	0.79
A20	0.30	SANDBLASTERS, BREAKERS, & MISC. AIR TOOLS	1.01	1.01	1.00	1.00	0.99	0.97	0.98	0.97	0.94	0.94	0.90	0.85	0.81	0.80	0.81	0.78	0.78	0.77
A25	0.00	ASPHALT PAVING DISTRIBUTORS	1.10	1.07	1.03	1.00	0.98	0.95	0.93	0.90	0.90	0.85	0.82	0.79	0.77	0.76	0.76	0.73	0.72	0.73
A30	0.00	ASPHALT PAVERS & MISCELLANEOUS ROAD EQUIPMENT																		
A30	0.10	SELF PROPELLED	1.10	1.07	1.03	1.00	0.98	0.95	0.93	0.90	0.90	0.86	0.82	0.80	0.78	0.76	0.76	0.73	0.72	0.74
A30	0.20	TOWED	1.10	1.07	1.03	1.00	0.98	0.95	0.93	0.90	0.90	0.86	0.82	0.80	0.78	0.76	0.76	0.73	0.72	0.74
A30	0.30	SLURRY SEAL PAVERS (COLD MIX)	1.09	1.07	1.03	1.00	0.98	0.95	0.93	0.90	0.90	0.86	0.82	0.80	0.78	0.76	0.76	0.74	0.73	0.74
A30	0.40	MISCELLANEOUS ROAD EQUIPMENT	1.10	1.07	1.03	1.00	0.98	0.95	0.93	0.90	0.90	0.86	0.82	0.80	0.78	0.76	0.76	0.73	0.72	0.74
A35	0.00	ASPHALT PAVING KETTLES	1.10	1.07	1.04	1.00	0.98	0.95	0.93	0.89	0.90	0.85	0.82	0.79	0.77	0.75	0.75	0.72	0.71	0.73
A40	0.00	ASPHALT & CONCRETE MILLERS / PROFILERS / PLANERS	1.10	1.07	1.03	1.00	0.98	0.95	0.93	0.90	0.90	0.86	0.82	0.80	0.78	0.76	0.76	0.73	0.72	0.74
A45	0.00	ASPHALT RECYCLERS & SEALERS	1.10	1.07	1.03	1.00	0.98	0.95	0.93	0.90	0.90	0.85	0.82	0.79	0.77	0.76	0.76	0.73	0.72	0.73
B10	0.00	BATCH PLANTS (ASPHALT & CONCRETE)																		
B10	0.10	ASPHALT	1.09	1.07	1.03	1.00	0.98	0.95	0.93	0.90	0.91	0.86	0.83	0.80	0.78	0.77	0.77	0.74	0.74	0.75
B10	0.20	CONCRETE	1.09	1.07	1.03	1.00	0.98	0.95	0.93	0.90	0.91	0.86	0.83	0.80	0.78	0.77	0.77	0.74	0.74	0.75
B10	0.30	PUGMILL	1.09	1.07	1.03	1.00	0.98	0.95	0.93	0.90	0.91	0.86	0.83	0.80	0.78	0.77	0.77	0.74	0.74	0.75
B15	0.00	BROOMS, STREET SWEEPERS & FLUSHERS	1.07	1.04	1.02	1.00	0.97	0.95	0.93	0.91	0.88	0.85	0.81	0.77	0.74	0.72	0.71	0.70	0.69	0.67
B20	0.00	BRUSH CHIPPERS	1.07	1.04	1.02	1.00	0.97	0.95	0.93	0.91	0.88	0.85	0.81	0.77	0.74	0.72	0.71	0.70	0.69	0.67
B25	0.00	BUCKETS, CLAMSHELL	1.04	1.03	1.02	1.00	0.98	0.98	0.98	0.94	0.86	0.81	0.76	0.69	0.67	0.66	0.65	0.63	0.62	0.64
B30	0.00	BUCKETS, CONCRETE																		

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 8	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	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
B30	0.10	GENERAL PURPOSE, MANUAL TRIP	1.04	1.03	1.02	1.00	0.98	0.98	0.98	0.93	0.85	0.81	0.75	0.68	0.66	0.65	0.64	0.62	0.61	0.62
B30	0.20	LAYDOWN	1.04	1.03	1.02	1.00	0.98	0.98	0.98	0.93	0.85	0.81	0.75	0.68	0.66	0.65	0.64	0.62	0.61	0.62
B30	0.30	LOWBOY	1.04	1.03	1.02	1.00	0.98	0.98	0.98	0.93	0.85	0.81	0.75	0.68	0.66	0.65	0.64	0.62	0.61	0.62
B30	0.40	LOW SLUMP	1.04	1.03	1.02	1.00	0.98	0.98	0.98	0.93	0.85	0.81	0.75	0.68	0.66	0.65	0.64	0.62	0.61	0.62
B35	0.00	BUCKETS, DRAGLINE																		
B35	0.10	LIGHT WEIGHT	1.04	1.03	1.02	1.00	0.98	0.98	0.98	0.93	0.86	0.81	0.76	0.69	0.67	0.66	0.65	0.63	0.62	0.63
B35	0.20	MEDIUM WEIGHT	1.04	1.03	1.02	1.00	0.98	0.98	0.98	0.94	0.86	0.81	0.76	0.69	0.67	0.66	0.65	0.63	0.62	0.63
B35	0.30	HEAVY WEIGHT	1.04	1.03	1.02	1.00	0.98	0.98	0.98	0.94	0.86	0.81	0.76	0.69	0.67	0.66	0.65	0.63	0.62	0.64
C05	0.00	CHAIN SAWS	1.07	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.85	0.81	0.77	0.74	0.73	0.72	0.70	0.69	0.67
C10	0.00	COMPACTORS & WALK-BEHIND ROLLERS																		
C10	0.10	COMPACTORS, RAMMERS / TAMPERS & VIBRATORY PLATES	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.76	0.73	0.71	0.70	0.69	0.68	0.66
C10	0.20	ROLLERS, VIBRATORY	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.76	0.73	0.71	0.70	0.69	0.68	0.66
C15	0.00	CONCRETE CLEANERS / BLASTERS	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.91	0.87	0.84	0.81	0.76	0.74	0.72	0.71	0.69	0.68	0.66
C20	0.00	CONCRETE BUGGIES	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.76	0.73	0.71	0.70	0.69	0.68	0.66
C25	0.00	CONCRETE FINISHERS/SCREEDS/SPREADERS																		
C25	0.10	FINISHERS/TROWELS	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.76	0.73	0.71	0.70	0.69	0.68	0.66
C25	0.20	VIBRATORY SCREED	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.76	0.73	0.71	0.70	0.69	0.68	0.66
C25	0.25	VIBRATORY LASER SCREED	1.07	1.05	1.02	1.00	0.97	0.94	0.93	0.90	0.87	0.83	0.79	0.74	0.72	0.70	0.69	0.67	0.66	0.64
C25	0.30	MATERIAL/TOPPING SPREADERS	1.07	1.05	1.02	1.00	0.97	0.94	0.93	0.90	0.87	0.83	0.79	0.74	0.72	0.70	0.69	0.67	0.66	0.64
C30	0.00	CONCRETE GRINDERS	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.76	0.73	0.71	0.70	0.69	0.68	0.66
C35	0.00	CONCRETE GUNITERS / SHOTCRETERS	1.07	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.85	0.82	0.77	0.75	0.73	0.72	0.71	0.70	0.68
C40	0.00	CONCRETE MIXING UNITS	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.76	0.73	0.71	0.70	0.69	0.68	0.66
C45	0.00	CONCRETE PAVING MACHINES	1.10	1.07	1.03	1.00	0.98	0.95	0.93	0.90	0.90	0.86	0.82	0.80	0.78	0.76	0.76	0.73	0.72	0.74
C55	0.00	CONCRETE PUMPS	1.06	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.85	0.82	0.77	0.75	0.73	0.72	0.71	0.70	0.68
C60	0.00	CONCRETE SAWS (sawblade wear not included)	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.91	0.87	0.84	0.81	0.76	0.74	0.72	0.71	0.69	0.68	0.66
C65	0.00	CONCRETE VIBRATORS	1.01	1.01	1.00	1.00	0.99	0.97	0.98	0.97	0.94	0.94	0.90	0.85	0.81	0.80	0.81	0.78	0.78	0.77
C70	0.00	CRANES, GANTRY & STRADDLE																		

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 8	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	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
C75	0.00	CRANES, HYDRAULIC, SELF-PROPELLED	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.90	0.85	0.81	0.77	0.71	0.69	0.67	0.65	0.64	0.62	0.61
C80	0.00	CRANES, HYDRAULIC, TRUCK MOUNTED																		
C80	0.01	UNDER 26 TON	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.90	0.85	0.81	0.77	0.71	0.69	0.67	0.65	0.64	0.62	0.61
C80	0.02	26 TON THRU 65 TON	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.90	0.85	0.82	0.78	0.72	0.70	0.67	0.65	0.64	0.63	0.61
C80	0.03	66 TON THRU 125 TON	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.90	0.85	0.82	0.78	0.72	0.70	0.67	0.66	0.64	0.63	0.62
C80	0.04	OVER 125 TON	1.07	1.04	1.02	1.00	0.97	0.95	0.94	0.90	0.85	0.82	0.78	0.72	0.70	0.68	0.66	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	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.90	0.84	0.81	0.77	0.71	0.69	0.67	0.65	0.63	0.62	0.61
C85	0.12	DRAGLINE, CLAMSHELL, OVER 1.0 CY THRU 2.5 CY	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.90	0.85	0.81	0.77	0.71	0.69	0.67	0.65	0.64	0.62	0.61
C85	0.13	DRAGLINE, CLAMSHELL, OVER 2.5 CY THRU 5.0 CY	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.90	0.85	0.82	0.78	0.72	0.70	0.67	0.65	0.64	0.63	0.61
C85	0.14	DRAGLINE, CLAMSHELL, OVER 5.0 CY	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.90	0.85	0.82	0.78	0.72	0.70	0.67	0.66	0.64	0.63	0.62
C85	0.21	LIFTING, 0 THRU 25 TON	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.90	0.84	0.81	0.77	0.71	0.69	0.67	0.65	0.64	0.62	0.61
C85	0.22	LIFTING, 26 TON THRU 50 TON	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.90	0.85	0.81	0.77	0.71	0.69	0.67	0.65	0.64	0.63	0.61
C85	0.23	LIFTING, 51 TON THRU 150 TON	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.90	0.85	0.82	0.78	0.72	0.70	0.67	0.66	0.64	0.63	0.62
C85	0.24	LIFTING, OVER 150 TON	1.07	1.04	1.02	1.00	0.97	0.95	0.94	0.90	0.85	0.82	0.78	0.72	0.70	0.68	0.66	0.65	0.63	0.62
C90	0.00	CRANES, MECHANICAL, LATTICE BOOM, TRUCK MOUNTED																		
C90	0.01	UNDER 26 TON	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.90	0.85	0.81	0.77	0.71	0.69	0.67	0.65	0.64	0.62	0.61
C90	0.02	26 TON THRU 65 TON	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.90	0.85	0.82	0.78	0.72	0.70	0.67	0.65	0.64	0.63	0.61
C90	0.03	66 TON THRU 125 TON	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.90	0.85	0.82	0.78	0.72	0.70	0.67	0.66	0.64	0.63	0.62
C90	0.04	OVER 125 TON	1.07	1.04	1.02	1.00	0.97	0.95	0.94	0.90	0.85	0.82	0.78	0.72	0.70	0.68	0.66	0.65	0.63	0.62
C95	0.00	CRANES, TOWER	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.90	0.84	0.81	0.77	0.71	0.69	0.67	0.65	0.64	0.62	0.61
D10	0.00	DRILLS,AIR/HYDRAULIC,CRWLR MTD,0" THRU 6.5" DIA HOLE	1.06	1.03	1.02	1.00	0.96	0.94	0.92	0.89	0.88	0.85	0.82	0.77	0.76	0.76	0.78	0.77	0.78	0.77
D15	0.00	DRILLS, HORIZONTAL BORING & GROUND PIERCING	1.06	1.03	1.02	1.00	0.96	0.94	0.92	0.89	0.88	0.85	0.82	0.77	0.76	0.76	0.78	0.77	0.78	0.77
D20	0.00	DRILLS, CORE, COLUMN MOUNTED	1.06	1.03	1.02	1.00	0.96	0.93	0.92	0.89	0.88	0.85	0.82	0.76	0.76	0.76	0.77	0.76	0.77	0.76
D25	0.00	DRILLS, CORE, SKID MOUNTED	1.06	1.03	1.02	1.00	0.96	0.94	0.92	0.89	0.88	0.85	0.82	0.77	0.76	0.76	0.78	0.77	0.78	0.77
D30	0.00	DRILLS, EARTH / AUGER	1.06	1.03	1.02	1.00	0.96	0.94	0.92	0.89	0.88	0.85	0.82	0.77	0.76	0.76	0.78	0.77	0.78	0.77
D35	0.00	DRILLS, ROTARY BLASTHOLE																		

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 8	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	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
D35	0.11	DIESEL, 4.5" THRU 9.875" DIAMETER HOLE	1.06	1.03	1.02	1.00	0.96	0.94	0.92	0.90	0.89	0.86	0.83	0.77	0.77	0.77	0.78	0.77	0.78	0.78
D35	0.12	DIESEL, OVER 9.875" DIAMETER	1.06	1.03	1.02	1.00	0.96	0.94	0.92	0.90	0.89	0.86	0.83	0.78	0.78	0.77	0.79	0.78	0.79	0.78
D35	0.21	ELECTRIC, 4.5" THRU 9.875" DIAMETER HOLE	1.06	1.03	1.02	1.00	0.96	0.94	0.92	0.90	0.89	0.86	0.83	0.77	0.77	0.77	0.78	0.77	0.78	0.78
D35	0.22	ELECTRIC, OVER 9.875" DIAMETER	1.06	1.03	1.02	1.00	0.96	0.94	0.92	0.90	0.89	0.86	0.83	0.78	0.78	0.77	0.79	0.78	0.79	0.78
F10	0.00	FORK LIFTS	1.07	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.85	0.81	0.77	0.75	0.73	0.72	0.70	0.69	0.67
G10	0.00	GENERATOR SETS																		
G10	0.10	PORTABLE	1.00	1.00	0.99	1.00	0.99	0.96	0.95	0.93	0.92	0.90	0.87	0.82	0.77	0.75	0.75	0.73	0.70	0.68
G10	0.20	SKID MOUNTED	1.00	1.00	0.99	1.00	0.99	0.96	0.95	0.93	0.92	0.90	0.87	0.82	0.77	0.76	0.76	0.73	0.71	0.69
G15	0.00	GRADERS, MOTOR	1.08	1.05	1.02	1.00	0.94	0.92	0.89	0.83	0.80	0.77	0.74	0.69	0.67	0.64	0.64	0.62	0.62	0.60
H10	0.00	HAMMERS, HYDRAULIC (DEMOLITION TOOL)	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.91	0.87	0.84	0.81	0.76	0.74	0.72	0.71	0.69	0.68	0.66
H13	0.00	HAZARD/TOXIC WASTE EQUIPMENT																		
H13	0.11	COMPACTORS (COMPRESSION FORCE) 0 THRU 50 TONS	1.06	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.86	0.82	0.78	0.75	0.74	0.73	0.71	0.70	0.68
H13	0.12	COMPACTORS (COMPRESSION FORCE) OVER 50 TONS	1.07	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.85	0.82	0.77	0.75	0.73	0.72	0.71	0.70	0.68
H13	0.21	FILTER PRESSES, STATIONARY	1.07	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.85	0.81	0.77	0.75	0.73	0.72	0.70	0.69	0.67
H13	0.22	FILTER PRESSES, MOBILE	1.06	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.86	0.82	0.78	0.75	0.74	0.73	0.71	0.70	0.68
H13	0.30	CENTRIFUGES	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.76	0.73	0.71	0.70	0.69	0.67	0.65
H13	0.40	SHREDDERS	1.06	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.86	0.82	0.78	0.75	0.74	0.73	0.71	0.70	0.68
H13	0.51	SOIL TREATMENT PLANT, MOBILE	1.06	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.86	0.82	0.78	0.75	0.74	0.73	0.71	0.70	0.68
H13	0.61	SLUDGE PROCESSING EQUIP, SLUDGE DISPENSERS	1.06	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.86	0.82	0.78	0.75	0.74	0.73	0.71	0.70	0.68
H13	0.71	WASTE HANDLING EQUIPMENT, DRUM HANDLING	1.07	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.85	0.81	0.77	0.74	0.73	0.72	0.70	0.69	0.67
H15	0.00	HEATERS, SPACE																		
H20	0.00	HOISTS & AIR WINCHES	1.07	1.04	1.02	1.00	0.97	0.95	0.93	0.91	0.88	0.85	0.81	0.77	0.74	0.72	0.71	0.70	0.69	0.67
H25	0.00	HYDRAULIC EXCAVATORS, CRAWLER MOUNTED																		
H25	0.11	0 LBS THRU 40,000 LBS	1.08	1.05	1.02	1.00	0.97	0.95	0.93	0.89	0.83	0.79	0.75	0.68	0.66	0.63	0.61	0.60	0.59	0.57
H25	0.12	OVER 40,000 LBS THRU 100,000 LBS	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.89	0.84	0.81	0.76	0.70	0.68	0.65	0.63	0.62	0.61	0.59
H25	0.13	OVER 100,000 LBS THRU 160,000 LBS	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.90	0.85	0.82	0.78	0.72	0.70	0.67	0.66	0.64	0.63	0.62
H25	0.14	OVER 160,000 LBS	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.90	0.85	0.82	0.78	0.72	0.70	0.67	0.66	0.64	0.63	0.62

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 8 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
			1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
H25	0.21	ATTACHMENTS, MOBILE SHEARS	1.07	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.85	0.82	0.77	0.75	0.73	0.72	0.71	0.69	0.68
H25	0.22	ATTACHMENTS, MATERIAL HANDLING	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.91	0.87	0.84	0.81	0.76	0.74	0.72	0.71	0.69	0.68	0.66
H25	0.23	ATTACHMENTS, CONCRETE PULVERIZERS	1.07	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.85	0.82	0.77	0.75	0.73	0.72	0.71	0.69	0.68
H25	0.24	ATTACHMENTS, COMPACTORS	1.07	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.85	0.82	0.77	0.75	0.73	0.72	0.71	0.69	0.68
H30	0.00	HYDRAULIC EXCAVATORS, WHEEL MOUNTED																		
H30	0.01	0 THRU 1.0 CY	1.08	1.05	1.02	1.00	0.97	0.95	0.94	0.89	0.83	0.80	0.76	0.69	0.67	0.64	0.62	0.61	0.60	0.58
H30	0.02	OVER 1.0 CY	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.90	0.84	0.81	0.77	0.71	0.69	0.66	0.64	0.63	0.62	0.60
H35	0.00	HYDRAULIC SHOVELS, CRAWLER MOUNTED																		
H35	0.11	DIESEL, 0 CY THRU 5.0 CY	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.90	0.85	0.81	0.77	0.71	0.69	0.67	0.65	0.64	0.62	0.61
H35	0.12	DIESEL, OVER 5.0 CY	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.90	0.85	0.82	0.78	0.72	0.70	0.67	0.65	0.64	0.63	0.61
H35	0.21	ELECTRIC, OVER 2.5 CY	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.90	0.84	0.81	0.77	0.71	0.69	0.67	0.65	0.64	0.62	0.61
L10	0.00	LAND CLEARING EQUIPMENT	1.06	1.04	1.02	1.00	0.96	0.93	0.89	0.84	0.81	0.78	0.75	0.70	0.65	0.62	0.62	0.63	0.63	0.60
L15	0.00	LANDSCAPING EQUIPMENT	1.07	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.85	0.81	0.77	0.74	0.73	0.72	0.70	0.69	0.67
L20	0.00	LIGHTING SETS, TRAILER MOUNTED																		
L20	0.10	METALLIC VAPOR	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.75	0.73	0.71	0.70	0.68	0.67	0.65
L25	0.00	LINE STRIPING EQUIPMENT	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.75	0.73	0.71	0.70	0.68	0.67	0.65
L30	0.00	LOADERS, BELT (CONVEYOR BELTS) & ACCESSORIES	1.07	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.85	0.81	0.77	0.75	0.73	0.72	0.70	0.69	0.67
L35	0.00	LOADERS, FRONT END, CRAWLER TYPE	1.07	1.04	1.02	1.00	0.96	0.93	0.89	0.84	0.81	0.78	0.75	0.70	0.65	0.62	0.62	0.62	0.62	0.59
L40	0.00	LOADERS, FRONT END, WHEEL TYPE																		
L40	0.11	ARTICULATED, 0 THRU 225 HP	1.06	1.03	1.01	1.00	0.97	0.94	0.92	0.89	0.86	0.84	0.81	0.77	0.74	0.71	0.71	0.70	0.69	0.67
L40	0.12	ARTICULATED, OVER 225 HP	1.05	1.03	1.01	1.00	0.97	0.95	0.93	0.90	0.87	0.85	0.83	0.79	0.76	0.74	0.73	0.73	0.71	0.70
L40	0.20	SKID STEER	1.05	1.03	1.01	1.00	0.97	0.94	0.92	0.89	0.87	0.85	0.82	0.78	0.75	0.73	0.73	0.72	0.71	0.69
L40	0.21	SKID STEER ATTACHMENTS	1.06	1.03	1.01	1.00	0.97	0.94	0.92	0.89	0.87	0.84	0.81	0.78	0.75	0.72	0.72	0.71	0.70	0.68
L40	0.31	TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP	1.06	1.03	1.01	1.00	0.97	0.94	0.92	0.89	0.86	0.84	0.81	0.77	0.74	0.71	0.71	0.70	0.69	0.67
L40	0.32	TOOL CARRIER & TELESCOPIC HANDLERS, OVER 225 HP	1.05	1.03	1.01	1.00	0.97	0.95	0.93	0.90	0.87	0.85	0.82	0.79	0.76	0.74	0.73	0.73	0.71	0.69
L45	0.00	LOADERS / BACKHOE, CRAWLER TYPE	1.06	1.04	1.02	1.00	0.96	0.93	0.89	0.84	0.81	0.78	0.75	0.70	0.65	0.62	0.62	0.63	0.63	0.60
L50	0.00	LOADERS / BACKHOE, WHEEL TYPE	1.06	1.03	1.01	1.00	0.97	0.94	0.92	0.89	0.86	0.84	0.81	0.77	0.74	0.71	0.71	0.70	0.69	0.67

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 8 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
			1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
L55	0.00	LOADER / BACKHOE, ATTACHMENTS	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.91	0.87	0.84	0.81	0.76	0.74	0.72	0.71	0.69	0.68	0.66
L60	0.00	LOG SKIDDERS	1.05	1.04	1.02	1.00	1.00	0.99	0.95	0.93	0.91	0.90	0.87	0.85	0.83	0.82	0.82	0.78	0.76	0.75
M10	0.00	MARINE EQUIPMENT																		
M10	0.11	AQUATIC MAINTENANCE	1.10	1.06	1.04	1.00	0.96	0.94	0.92	0.88	0.83	0.79	0.76	0.72	0.71	0.71	0.68	0.66	0.63	0.61
M10	0.12	AQUATIC MAINTENACE ATTACHMENTS	1.11	1.06	1.04	1.00	0.95	0.93	0.92	0.87	0.82	0.78	0.74	0.70	0.69	0.68	0.66	0.63	0.60	0.58
M10	0.21	HYDRAULIC CUTTERHEAD DREDGE, 8" OR LESS,TRANSPORTABLE	1.10	1.06	1.04	1.00	0.96	0.94	0.92	0.88	0.83	0.79	0.76	0.72	0.71	0.71	0.68	0.66	0.63	0.61
M10	0.22	HYDRAULIC CUTTERHEAD DREDGE,8" - 12",TRANSPORTABLE	1.09	1.05	1.04	1.00	0.96	0.94	0.93	0.89	0.84	0.80	0.77	0.73	0.72	0.72	0.70	0.67	0.65	0.62
M10	0.23	HYDRAULIC AUGERHEAD DREDGE,12" OR LESS,TRANSPORTABLE	1.10	1.06	1.04	1.00	0.96	0.94	0.92	0.88	0.83	0.79	0.76	0.72	0.71	0.71	0.68	0.66	0.63	0.61
M10	0.24	HYDRAULIC FLOATING PUMPS,12" OR LESS,TRANSPORTABLE	1.10	1.06	1.04	1.00	0.96	0.94	0.92	0.88	0.83	0.80	0.76	0.73	0.72	0.72	0.69	0.67	0.64	0.62
M10	0.25	HYDRUALIC DREDGE PUMPS,12" OR LESS,TRANSPORTABLE	1.10	1.06	1.04	1.00	0.95	0.94	0.92	0.88	0.82	0.79	0.75	0.71	0.70	0.70	0.67	0.65	0.62	0.60
M10	0.26	HYDRAULIC DREDGE / PUMP ATTACHMENTS	1.10	1.06	1.04	1.00	0.95	0.94	0.92	0.88	0.82	0.79	0.75	0.71	0.70	0.70	0.67	0.65	0.62	0.60
M10	0.31	SMALL MECH DREDGES,CLAMSHELL,BARGE-MTD TO 5 CY	1.07	1.04	1.02	1.00	0.97	0.95	0.94	0.90	0.85	0.82	0.78	0.72	0.70	0.68	0.66	0.65	0.63	0.62
M10	0.32	SMALL MECH DREDGES, AMPHIBIOUS EXCAVATORS	1.07	1.05	1.02	1.00	0.97	0.95	0.94	0.90	0.84	0.81	0.77	0.71	0.69	0.66	0.64	0.63	0.62	0.60
M10	0.33	SMALL MECH DREDGES,HOE-MOUNTED DREDGING ATTACH	1.09	1.05	1.04	1.00	0.96	0.94	0.93	0.89	0.84	0.80	0.77	0.73	0.73	0.72	0.70	0.67	0.65	0.63
M10	0.34	CLAMSHELL, BARGE-MTD, UNDER 6 CY	1.09	1.05	1.04	1.00	0.96	0.94	0.93	0.89	0.84	0.81	0.77	0.74	0.73	0.73	0.71	0.69	0.66	0.64
M10	0.35	CLAMSHELL, BARGE-MTD, 6 CY - 10 CY	1.09	1.05	1.04	1.00	0.96	0.94	0.93	0.89	0.84	0.81	0.78	0.74	0.74	0.73	0.71	0.69	0.66	0.64
M10	0.36	CLAMSHELL, BARGE-MTD, 11 CY - 15 CY	1.09	1.05	1.04	1.00	0.96	0.94	0.93	0.89	0.85	0.81	0.78	0.75	0.74	0.74	0.71	0.69	0.67	0.65
M10	0.41	WORK FLOATS (NON-DREDGING)	1.10	1.06	1.04	1.00	0.96	0.94	0.92	0.88	0.83	0.80	0.76	0.72	0.72	0.71	0.69	0.66	0.64	0.61
M10	0.42	WORK BARGES (SECTIONAL, NON-DREDGING)	1.10	1.05	1.04	1.00	0.96	0.94	0.93	0.88	0.83	0.80	0.76	0.73	0.72	0.72	0.69	0.67	0.64	0.62
M10	0.45	FLAT-DECK OR CARGO BARGE (NON-DREDGING)	1.09	1.05	1.03	1.00	0.96	0.95	0.93	0.89	0.85	0.82	0.78	0.75	0.75	0.74	0.72	0.70	0.67	0.65
M10	0.46	DUMP SCOW (NON-DREDGING)	1.09	1.05	1.03	1.00	0.96	0.95	0.93	0.89	0.85	0.82	0.78	0.75	0.75	0.74	0.72	0.70	0.67	0.65
M10	0.47	DRILL BARGE (NON-DREDGING)	1.09	1.05	1.04	1.00	0.96	0.94	0.93	0.89	0.84	0.81	0.78	0.74	0.74	0.73	0.71	0.69	0.66	0.64
M10	0.48	ALL OTHER BARGES (NON-DREDGING)	1.09	1.05	1.04	1.00	0.96	0.94	0.93	0.89	0.84	0.81	0.78	0.74	0.74	0.73	0.71	0.69	0.66	0.64
M10	0.51	BOATS & LAUNCHES, 0 THRU 250 HP	1.10	1.06	1.04	1.00	0.96	0.94	0.92	0.88	0.83	0.80	0.76	0.72	0.72	0.71	0.69	0.66	0.63	0.61
M10	0.53	BOATS & LAUNCHES, 251 THRU 500 HP	1.10	1.06	1.04	1.00	0.96	0.94	0.92	0.88	0.83	0.80	0.76	0.73	0.72	0.71	0.69	0.67	0.64	0.62
M10	0.54	TUGS, 501 THRU 1,000 HP	1.09	1.05	1.04	1.00	0.96	0.94	0.93	0.89	0.84	0.81	0.77	0.74	0.73	0.73	0.70	0.68	0.65	0.63
M10	0.55	TUGS, 1,000 THRU 2,000 HP	1.09	1.05	1.03	1.00	0.96	0.94	0.93	0.89	0.85	0.82	0.78	0.75	0.75	0.74	0.72	0.70	0.67	0.65

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 8	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	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
M10	0.56	TUGS, 2,000 THRU 3,000 HP	1.08	1.05	1.03	1.00	0.96	0.95	0.93	0.90	0.85	0.82	0.79	0.76	0.75	0.75	0.73	0.71	0.68	0.66
M10	0.57	TUGS, OVER 3,000 HP	1.08	1.05	1.03	1.00	0.96	0.95	0.93	0.90	0.85	0.82	0.79	0.76	0.75	0.75	0.73	0.71	0.68	0.66
M10	0.60	LFTING CRANE, BARGE MTD, 25 - 75 TON, 45' BOOM	1.09	1.05	1.04	1.00	0.96	0.94	0.93	0.89	0.84	0.81	0.77	0.74	0.73	0.73	0.71	0.69	0.66	0.64
M10	0.61	LFTING CRANE, BARGE MTD, OVER 75 - 125 TON, 60' BOOM	1.09	1.05	1.04	1.00	0.96	0.94	0.93	0.89	0.84	0.81	0.78	0.74	0.74	0.73	0.71	0.69	0.66	0.64
M10	0.62	LFTING CRANE, BARGE MTD, OVER 125 - 200 TON, 80' BOOM	1.09	1.05	1.04	1.00	0.96	0.94	0.93	0.89	0.85	0.81	0.78	0.75	0.74	0.74	0.71	0.69	0.67	0.65
P10	0.00	PILE HAMMER ACCESSORIES - EXTRACTORS & BOX LEADS	1.08	1.05	1.02	1.00	0.97	0.94	0.92	0.89	0.85	0.82	0.77	0.72	0.69	0.67	0.66	0.64	0.63	0.60
P20	0.00	PILE HAMMERS, DOUBLE ACTING																		
P20	0.10	DIESEL	1.08	1.05	1.02	1.00	0.97	0.94	0.92	0.89	0.85	0.82	0.77	0.72	0.69	0.67	0.66	0.64	0.63	0.60
P20	0.20	STEAM	1.08	1.05	1.02	1.00	0.97	0.94	0.92	0.89	0.85	0.82	0.77	0.72	0.69	0.67	0.66	0.64	0.63	0.60
P25	0.00	PILE HAMMERS, SINGLE ACTING																		
P25	0.10	DIESEL	1.08	1.05	1.02	1.00	0.97	0.94	0.92	0.89	0.85	0.82	0.77	0.72	0.69	0.67	0.66	0.64	0.63	0.60
P25	0.20	STEAM	1.08	1.05	1.02	1.00	0.97	0.94	0.92	0.89	0.85	0.82	0.77	0.72	0.69	0.67	0.66	0.64	0.63	0.60
P30	0.00	PILE HAMMERS, DRIVER/ EXTRACTOR, VIBRATORY	1.08	1.05	1.02	1.00	0.97	0.94	0.92	0.89	0.85	0.82	0.77	0.72	0.69	0.67	0.66	0.64	0.63	0.60
P35	0.00	PIPELAYERS	1.06	1.04	1.02	1.00	0.96	0.93	0.89	0.84	0.81	0.79	0.76	0.71	0.66	0.63	0.63	0.63	0.63	0.60
P40	0.00	PLATFORMS & MAN-LIFTS	1.08	1.05	1.02	1.00	0.97	0.95	0.94	0.89	0.83	0.80	0.76	0.69	0.67	0.64	0.62	0.61	0.60	0.58
P45	0.00	PUMPS, GROUT	1.06	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.85	0.82	0.77	0.75	0.73	0.72	0.71	0.70	0.68
P50	0.00	PUMPS, WATER, CENTRIFUGAL, TRASH																		
P50	0.11	SKID MOUNTED, ENGINE DRIVE	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.75	0.73	0.71	0.70	0.68	0.67	0.65
P50	0.12	SKID MOUNTED, ELECTRIC DRIVE	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.75	0.73	0.71	0.70	0.68	0.67	0.65
P50	0.21	WHEEL MOUNTED, ENGINE DRIVE	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.75	0.73	0.71	0.70	0.68	0.67	0.65
P50	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.75	0.73	0.71	0.70	0.68	0.67	0.65
P50	0.31	HOSES, PUMP, SUCTION & DISCHARGE	1.06	1.04	1.02	1.00	0.98	0.95	0.94	0.91	0.88	0.86	0.82	0.78	0.76	0.74	0.73	0.72	0.71	0.69
P55	0.00	PUMPS, WATER, SUBMERSIBLE																		
P55	0.01	ENGINE DRIVE	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.81	0.76	0.74	0.72	0.71	0.69	0.68	0.66
P55	0.02	ELECTRIC DRIVE	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.81	0.76	0.74	0.72	0.71	0.69	0.68	0.66
P60	0.00	PUMPS, WATER, CENTRIFUGAL, DEWATERING																		
P60	0.11	SKID MOUNTED, ENGINE DRIVE	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.75	0.73	0.71	0.70	0.68	0.67	0.65

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 8	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	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
P60	0.12	SKID MOUNTED, ELECTRIC DRIVE	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.75	0.73	0.71	0.70	0.68	0.67	0.65
P60	0.21	WHEEL MOUNTED, ENGINE DRIVE	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.75	0.73	0.71	0.70	0.68	0.67	0.65
P60	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.75	0.73	0.71	0.70	0.68	0.67	0.65
P65	0.00	PUMPS, WATER, DIAPHRAGM																		
P65	0.11	SKID MOUNTED, ENGINE DRIVE	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.75	0.73	0.71	0.70	0.68	0.67	0.65
P65	0.12	SKID MOUNTED, ELECTRIC DRIVE	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.75	0.73	0.71	0.70	0.68	0.67	0.65
P65	0.21	WHEEL MOUNTED, ENGINE DRIVE	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.75	0.73	0.71	0.70	0.68	0.67	0.65
P65	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.75	0.73	0.71	0.70	0.68	0.67	0.65
P70	0.00	PUMPS, WATER (FOR CORE DRILLS)																		
P70	0.01	ENGINE DRIVE	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.75	0.73	0.71	0.70	0.68	0.67	0.65
P70	0.02	ELECTRIC DRIVE	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.75	0.73	0.71	0.70	0.68	0.67	0.65
R10	0.00	RIPPERS & HYDRAULIC BANK SLOPERS(no point wear included)	1.07	1.04	1.02	1.00	0.96	0.93	0.89	0.84	0.81	0.78	0.75	0.70	0.65	0.62	0.62	0.62	0.62	0.59
R15	0.00	ROLLERS, STATIC, TOWED, PNEUMATIC	1.05	1.03	1.01	1.00	0.98	0.95	0.89	0.89	0.93	0.93	0.90	0.88	0.83	0.81	0.80	0.76	0.72	0.65
R20	0.00	ROLLERS, STATIC, TOWED, STEEL DRUM	1.05	1.03	1.01	1.00	0.98	0.95	0.89	0.89	0.93	0.93	0.90	0.88	0.83	0.81	0.80	0.76	0.72	0.65
R30	0.00	ROLLERS, STATIC, SELF-PROPELLED																		
R30	0.01	PNEUMATIC	1.05	1.03	1.01	1.00	0.98	0.95	0.89	0.88	0.93	0.92	0.90	0.87	0.83	0.81	0.80	0.76	0.72	0.64
R30	0.02	SMOOTH DRUM	1.05	1.03	1.01	1.00	0.98	0.95	0.89	0.89	0.93	0.93	0.90	0.88	0.83	0.81	0.80	0.76	0.72	0.65
R30	0.03	TAMPING FOOT	1.05	1.03	1.01	1.00	0.98	0.95	0.89	0.89	0.93	0.93	0.90	0.88	0.83	0.81	0.80	0.76	0.72	0.65
R40	0.00	ROLLERS, VIBRATORY, TOWED	1.05	1.03	1.01	1.00	0.98	0.95	0.89	0.88	0.93	0.92	0.90	0.87	0.83	0.81	0.80	0.76	0.72	0.64
R45	0.00	ROLLERS, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM	1.05	1.03	1.01	1.00	0.98	0.95	0.89	0.88	0.93	0.92	0.90	0.87	0.83	0.81	0.80	0.76	0.72	0.64
R50	0.00	ROLLERS, VIBRATORY, SELF-PROPELLED, SINGLE DRUM	1.05	1.03	1.01	1.00	0.98	0.95	0.89	0.88	0.93	0.92	0.90	0.87	0.83	0.81	0.80	0.76	0.72	0.64
R55	0.00	ROOFING EQUIPMENT	1.07	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.85	0.82	0.77	0.75	0.73	0.72	0.71	0.69	0.68
S10	0.00	SCRAPERS, ELEVATING																		
S10	0.01	0 THRU 200 HP	1.08	1.05	1.02	1.00	0.94	0.92	0.89	0.83	0.80	0.77	0.74	0.69	0.67	0.64	0.64	0.62	0.62	0.60
S10	0.02	OVER 200 HP	1.08	1.04	1.02	1.00	0.94	0.92	0.89	0.84	0.81	0.78	0.75	0.70	0.68	0.65	0.65	0.63	0.63	0.61
S15	0.00	SCRAPERS, CONVENTIONAL	1.08	1.04	1.02	1.00	0.95	0.93	0.90	0.84	0.81	0.78	0.76	0.71	0.70	0.67	0.66	0.64	0.64	0.63
S20	0.00	SCRAPERS, TANDEM POWERED	1.08	1.04	1.02	1.00	0.95	0.93	0.90	0.84	0.81	0.78	0.76	0.71	0.70	0.67	0.66	0.64	0.64	0.63

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 8	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	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
S25	0.00	SCRAPERS, TRACTOR DRAWN	1.08	1.05	1.02	1.00	0.94	0.92	0.89	0.83	0.80	0.77	0.74	0.70	0.68	0.65	0.64	0.62	0.62	0.60
S30	0.00	SCREENING & CRUSHING PLANTS																		
S30	0.10	CONVEYORS	1.07	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.85	0.81	0.77	0.75	0.73	0.72	0.70	0.69	0.67
S30	0.20	CRUSHERS	1.06	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.86	0.82	0.78	0.75	0.74	0.73	0.71	0.70	0.68
S30	0.30	SCREENING PLANT	1.07	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.85	0.81	0.77	0.75	0.73	0.72	0.70	0.69	0.67
S35	0.00	SNOW REMOVAL EQUIPMENT	1.07	1.04	1.02	1.00	0.97	0.95	0.93	0.91	0.88	0.85	0.81	0.77	0.74	0.72	0.71	0.70	0.69	0.67
S40	0.00	SOIL & ROAD STABILIZERS	1.08	1.05	1.02	1.00	0.94	0.92	0.89	0.83	0.80	0.77	0.74	0.69	0.67	0.64	0.64	0.62	0.62	0.60
S45	0.00	SPLITTERS, ROCK & CONCRETE	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.91	0.87	0.84	0.81	0.76	0.74	0.72	0.71	0.69	0.68	0.66
T10	0.00	TRACTOR BLADES & ATTACHMENTS	1.06	1.04	1.02	1.00	0.96	0.93	0.89	0.84	0.81	0.78	0.75	0.70	0.65	0.62	0.62	0.63	0.63	0.60
T15	0.00	TRACTORS, CRAWLER (DOZER) (includes blade)																		
T15	0.01	0 THRU 225 HP	1.07	1.04	1.02	1.00	0.96	0.93	0.89	0.83	0.80	0.78	0.74	0.69	0.64	0.61	0.61	0.61	0.61	0.58
T15	0.02	226 HP THRU 425 HP	1.06	1.04	1.02	1.00	0.97	0.93	0.90	0.85	0.82	0.80	0.77	0.72	0.67	0.64	0.64	0.65	0.65	0.62
T15	0.03	OVER 425 HP	1.06	1.03	1.02	1.00	0.97	0.93	0.90	0.85	0.83	0.80	0.77	0.73	0.68	0.66	0.66	0.66	0.66	0.63
T20	0.00	TRACTORS, WHEEL TYPE (DOZER)	1.05	1.04	1.02	1.00	1.00	0.99	0.95	0.93	0.91	0.90	0.87	0.85	0.84	0.83	0.83	0.79	0.76	0.76
T25	0.00	TRACTORS, AGRICULTURAL																		
T25	0.10	CRAWLER	1.05	1.04	1.02	1.00	1.00	0.99	0.95	0.93	0.91	0.90	0.87	0.85	0.83	0.82	0.82	0.78	0.76	0.75
T25	0.20	WHEEL	1.05	1.04	1.02	1.00	1.00	0.99	0.95	0.93	0.91	0.90	0.87	0.85	0.83	0.82	0.82	0.78	0.76	0.75
T30	0.00	TRENCHERS, CHAIN TYPE CUTTER	1.08	1.06	1.02	1.00	0.98	0.95	0.89	0.85	0.84	0.82	0.80	0.78	0.77	0.76	0.74	0.73	0.72	0.66
T35	0.00	TRENCHERS, WHEEL TYPE CUTTER	1.07	1.06	1.02	1.00	0.98	0.95	0.89	0.85	0.84	0.83	0.80	0.79	0.77	0.77	0.75	0.74	0.72	0.67
T40	0.00	TRUCK OPTIONS																		
T40	0.10	CRANES / HOISTS, PERSONNEL & MATERIAL HANDLING	1.07	1.04	1.02	1.00	0.97	0.95	0.93	0.91	0.88	0.85	0.81	0.77	0.74	0.72	0.71	0.70	0.69	0.67
T40	0.20	DUMP BODY, REAR	1.07	1.04	1.02	1.00	0.97	0.95	0.93	0.91	0.88	0.85	0.81	0.77	0.74	0.72	0.71	0.70	0.69	0.67
T40	0.30	FLATBEDS, WITH SIDES	1.07	1.04	1.02	1.00	0.97	0.95	0.93	0.91	0.88	0.85	0.81	0.77	0.74	0.72	0.71	0.70	0.69	0.67
T40	0.41	HOIST, ELECTRIC DRIVE	1.07	1.04	1.02	1.00	0.97	0.95	0.93	0.91	0.88	0.85	0.81	0.77	0.74	0.72	0.71	0.70	0.69	0.67
T40	0.50	TRANSIT MIXERS	1.06	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.85	0.82	0.77	0.75	0.73	0.72	0.71	0.70	0.68
T40	0.60	WATER TANKS	1.07	1.04	1.02	1.00	0.97	0.95	0.93	0.91	0.88	0.85	0.81	0.77	0.74	0.72	0.71	0.70	0.69	0.67
T40	0.70	ALL OTHER OPTIONS	1.07	1.04	1.02	1.00	0.97	0.95	0.93	0.91	0.88	0.85	0.81	0.77	0.74	0.72	0.71	0.70	0.69	0.67

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 8 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
			1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
T45	0.00	TRUCK TRAILERS																		
T45	0.10	BOTTOM DUMP	1.06	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.86	0.82	0.78	0.75	0.74	0.73	0.71	0.70	0.68
T45	0.20	END DUMP	1.06	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.86	0.82	0.78	0.75	0.74	0.73	0.71	0.70	0.68
T45	0.30	PUP TRAILER	1.06	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.85	0.82	0.77	0.75	0.73	0.72	0.71	0.70	0.68
T45	0.41	LOWBOY, RIGID NECK, DROP DECK	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.75	0.72	0.70	0.69	0.68	0.67	0.65
T45	0.50	FLATBED TRAILER	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.75	0.72	0.70	0.69	0.68	0.67	0.65
T45	0.60	MISCELLANEOUS / UTILITY	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.75	0.72	0.70	0.69	0.68	0.67	0.65
T45	0.70	WATER TANKER TRAILER	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.75	0.72	0.70	0.69	0.68	0.67	0.65
T45	0.80	DECONTAMINATION FACILITY	1.07	1.05	1.02	1.00	0.97	0.94	0.93	0.90	0.87	0.83	0.79	0.74	0.72	0.70	0.69	0.67	0.66	0.64
T45	0.90	TANK TRAILERS	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.75	0.72	0.70	0.69	0.68	0.67	0.65
T50	0.00	TRUCKS, HIGHWAY (add attachments as required)																		
T50	0.01	0 THRU 10,000 GVW	0.96	0.97	0.98	1.00	0.99	0.96	0.92	0.87	0.82	0.78	0.77	0.73	0.71	0.71	0.67	0.64	0.61	0.58
T50	0.02	OVER 10,000 THRU 30,000 GVW(CHASSIS ONLY-ADD OPTIONS)	0.96	0.97	0.98	1.00	0.99	0.96	0.92	0.87	0.82	0.79	0.77	0.73	0.72	0.71	0.67	0.65	0.62	0.58
T50	0.03	OVER 30,000 GVW (CHASSIS ONLY-ADD OPTIONS)	0.96	0.97	0.98	1.00	0.99	0.97	0.92	0.87	0.83	0.79	0.78	0.74	0.73	0.72	0.68	0.66	0.63	0.60
T55	0.00	TRUCKS, OFF-HIGHWAY	1.07	1.04	1.03	1.00	0.97	0.91	0.88	0.88	0.87	0.84	0.80	0.74	0.71	0.69	0.69	0.68	0.68	0.66
T56	0.00	TRUCKS,OFF-HIGHWAY/PRIME MOVER TRACTORS & WAGONS																		
T56	0.10	PRIME MOVER TRACTORS	1.07	1.04	1.03	1.00	0.97	0.91	0.88	0.87	0.86	0.84	0.80	0.74	0.70	0.69	0.68	0.68	0.67	0.65
T56	0.20	WAGONS, BOTTOM DUMP	1.07	1.04	1.03	1.00	0.97	0.91	0.88	0.87	0.86	0.84	0.79	0.73	0.70	0.68	0.68	0.67	0.66	0.65
T56	0.30	WAGONS, REAR DUMP	1.07	1.04	1.03	1.00	0.96	0.91	0.88	0.87	0.86	0.83	0.79	0.73	0.69	0.68	0.67	0.67	0.66	0.64
T57	0.00	TRUCKS, VACUUM	1.07	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.85	0.81	0.77	0.75	0.73	0.72	0.70	0.69	0.67
T60	0.00	TRUCKS, WATER, OFF-HIGHWAY	1.08	1.04	1.03	1.00	0.96	0.90	0.87	0.87	0.85	0.83	0.78	0.72	0.68	0.67	0.66	0.65	0.65	0.63
T65	0.00	TUNNEL/MINING EQUIPMENT																		
T65	0.10	DRIFTING & TUNNELING DRILLS	1.06	1.03	1.02	1.00	0.96	0.94	0.92	0.90	0.89	0.86	0.83	0.78	0.78	0.77	0.79	0.78	0.79	0.78
T65	0.20	TUNNEL BORING MACHINES	1.06	1.04	1.02	1.00	0.98	0.95	0.94	0.92	0.89	0.86	0.83	0.79	0.76	0.75	0.74	0.73	0.71	0.70
T65	0.30	PRODUCTION DRILLING RIGS	1.06	1.03	1.02	1.00	0.96	0.94	0.92	0.90	0.89	0.86	0.83	0.78	0.77	0.77	0.79	0.78	0.79	0.78
T65	0.40	ROADHEADERS & CONTINUOUS MINERS	1.06	1.04	1.02	1.00	0.98	0.95	0.94	0.91	0.89	0.86	0.83	0.78	0.76	0.74	0.74	0.72	0.71	0.69
T65	0.50	ROCK BOLTING EQUIPMENT	1.07	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.85	0.81	0.77	0.75	0.73	0.72	0.70	0.69	0.67

Table 3-2 Equipment Age Adjustment Factors for Standby Cost

CATEGORY	SUB	REGION 8 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
			1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
T65	0.61	LOADING & HAULING EQUIPMENT, DIESEL OR GAS	1.07	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.85	0.82	0.77	0.75	0.73	0.72	0.71	0.70	0.68
T65	0.62	LOADING & HAULING EQUIPMENT, ELECTRIC	1.06	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.85	0.82	0.78	0.75	0.73	0.73	0.71	0.70	0.68
T65	0.63	LOADING & HAULING EQUIPMENT, AIR-POWERED	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.81	0.76	0.74	0.72	0.71	0.69	0.68	0.66
T65	0.70	LOCOMOTIVES	1.07	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.85	0.82	0.77	0.75	0.73	0.72	0.71	0.70	0.68
T65	0.90	OTHER TUNNELING EQUIPMENT	1.07	1.04	1.02	1.00	0.97	0.95	0.94	0.91	0.88	0.85	0.81	0.77	0.75	0.73	0.72	0.70	0.69	0.67
W10	0.00	WAGONS, BOTTOM DUMP	1.07	1.04	1.03	1.00	0.96	0.91	0.88	0.87	0.86	0.83	0.79	0.73	0.69	0.68	0.67	0.67	0.66	0.64
W15	0.00	WAGONS, REAR DUMP	1.07	1.04	1.03	1.00	0.96	0.91	0.88	0.87	0.86	0.83	0.79	0.73	0.69	0.68	0.67	0.67	0.66	0.64
W25	0.00	WATER & CO2 BLASTERS																		
W25	0.10	LOW PRESSURE, (< 5,000 PSI)	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.76	0.73	0.71	0.70	0.69	0.67	0.65
W25	0.20	HIGH PRESSURE, (>= 5,000 PSI)	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.91	0.87	0.84	0.81	0.76	0.74	0.72	0.71	0.69	0.68	0.66
W25	0.30	STEAM CLEANERS	1.07	1.05	1.02	1.00	0.97	0.95	0.93	0.90	0.87	0.84	0.80	0.76	0.73	0.71	0.70	0.69	0.67	0.65
W25	0.40	CO2 BLASTERS	1.07	1.04	1.02	1.00	0.97	0.95	0.93	0.91	0.88	0.85	0.81	0.77	0.74	0.72	0.71	0.70	0.69	0.67
W30	0.00	WATER TANKS																		
W30	0.10	PORTABLE WITH WHEELS	1.08	1.04	1.03	1.00	0.96	0.90	0.87	0.87	0.85	0.83	0.78	0.72	0.68	0.67	0.66	0.65	0.65	0.63
W30	0.20	SKID MOUNTED	1.08	1.04	1.03	1.00	0.96	0.90	0.87	0.87	0.85	0.83	0.78	0.72	0.68	0.67	0.66	0.65	0.65	0.63
W35	0.00	WELDERS																		
W35	0.10	ENGINE DRIVEN	1.07	1.05	1.02	1.00	0.97	0.94	0.93	0.90	0.87	0.83	0.79	0.74	0.72	0.70	0.69	0.67	0.66	0.64
W35	0.20	ELECTRIC DRIVEN	1.07	1.05	1.02	1.00	0.97	0.94	0.93	0.90	0.87	0.84	0.80	0.75	0.72	0.70	0.69	0.68	0.66	0.64

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 = 1982
4. Actual purchase price in 1982 = $168,000
5. Horsepower is 203 hp
6. Drive tire size = 23.50 x 25, 16 Ply, L-3

Drive tire cost (1999) = 4 tires x $1,711 = $6,844

D. Use the actual cost data as follows:

1. Purchase price (TEV) = $168,000
2. Year of manufacture = 1982

E. Hourly rate is computed as follows in accordance with Figure 3-2, Standby Hourly Rate Calculation for Overage Equipment.

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 & EXPENSE FACTORS

For ID No. **N/A**

a. Equipment Specification Data:

(1) Equipment Description: CLARK FRONT-END LOADER

(2) Model and Series: 125 B 4 C.Y.

(3) Present Year or Year of Use: 1997

(4) Year Manufactured: 1980

(5) Horsepower - Equipment: 210

(6) Horsepower - Carrier: N/A

(7) Fuel type: - Equipment: gas / diesel off-road / diesel on-road / electric / airD-OFF

- Carrier: gas / diesel off-road / diesel on-road / electric / air N/A

(8) Shipping Weight (CWT): 367 CWT

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

(a) Front:	No.: N/A	Size/Ply:	Cost:	$
(b) Drive:	No.: 4	Size/Ply: 23.5 X 25, 16 Ply	Cost:	$ 8,704
(c) Trailing:	No.: N/A	Size/Ply:	Cost:	$
(d) Total Tire Cost:				$ 8,704

USE APPENDIX D TO COMPLETE THE FOLLOWING DATA:

b. Category and Sub-category Number: L 4 0 0.11

c. Hourly Expense Calculation Factors:

(1) Economic Key (E K):		45
(2) Condition (C):	Average or Severe	AVERAGE
(3) Discount Code (DC):	B = 7.5% (0.075) - or - S = 15.0% (0.15)	B = .075
(4) Life in Hours (LIFE):		10,000
(5) Salvage Value Percentage (SLV):		0.25
(6) Fuel Factor - Equipment (E G D):		0.033
(7) Fuel Factor - Carrier (E G D):		N/A
(8) FOG Factor (E G D):		0.45
(9) Tire Wear Factor:		
(a) Front (FT):		N/A
(b) Drive (DT):	(SEE 9(b))	0.42
(c) Trailing (TT):		N/A
(10) Repair Cost Factor (RCF):		0.70

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

2. EQUIPMENT VALUE

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

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

(__-----_____) x (_____------____) = -($ ---)

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

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

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

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

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

(____-----__ CWT) x (_____-----_____) =+($ ---)

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

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

3. DEPRECIATION PERIOD (N)

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

(10,000 Hrs) / (_____1540 _____Hrs/Yr) **3. TOTAL:** = 6.49 Yrs(N)

4. OWNERSHIP COST

a. Depreciation

(1) Tire Costs Index (TCI):

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

(_____2369_____) / (_____2559_____) = ____0.926____ (TCI)
(for 1980) (for 1997)

a. Depreciation (continued)

(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)]

[(119,995) x **[** 1.0 - (0.25) **] - [** (0.926) x (8,704) **]]** / (10,000)

= $ 8.19 **/Hr**

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

[[(6.49 Yrs) - 1.0 **]** x **[** 1.0 +(0.25) **]** + 2.0 **]** / **[** 2.0 x (6.49 Yrs) **]** = 0.683 (AVF)

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

(119,995) x (0.683) x (0.0540) / (1540 Hrs/Yr)

= $ 2.87 **/Hr**

c. TOTAL HOURLY OWNERSHIP COST: **4. TOTAL:** = $ 11.06 **/Hr**
[4.a.(2)] + [4.b.(2)]

5. OPERATING COST

a. Fuel Costs:

(1) Equipment:

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

(----) x (--- HP) x (---- /Gal) = $ ---- **/Hr**

(2) Carrier:

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

(---) x (--- HP) x (--- /Gal) = $ --- **/Hr**

(3) Total Hourly Fuel Costs Total 5.a. = $ ---- **/Hr**
[(5.a (1)] + [5.a (2)]

b. FOG Cost:

(1) Equipment:

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

(----) x (---- /Hr) x (----) = $ ---- **/Hr**

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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] (for 1995) [APPENDIX E] (for 1989)

(_____-------_____) / (_____----_____) = __-------__(EAF)

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

(2) Repair Factor (RF):

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

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

(3) Repair Cost

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

[(___----___) - **[** (___----___) x (___-----___) **]]** x (___----___) / (___----___)

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

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

5. OPERATING COST (Continued)

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

(1) Front Tires:

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

[1.5 x (__---__)**]** / **[** 1.8 x (____---____) x ____---____/Hrs) **]**
= $____---____**/Hr**

(2) Drive Tires:

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

[1.5 x (__---__) **]** / **[** 1.8 x (____---____) x (____---____ /Hrs) **]**
= $____---____**/Hr**

(3) Trailing Tires:

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

[1.5 x (__---__)**]** / **[** 1.8 x (____---____) x (____---____/Hrs) **]**

= $____---____/Hr

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

f. Tire Repair Cost:

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

(____---____) x 0.15 x (__---__) Total 5.f. = $____---____**/Hr**

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

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

6. HOURLY RATES

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

(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 hrs/wk) / (Work Hrs/wk)**]** + (Operating Costs)**]**
[4. a. (2)] [4. b. (2)] (example: 60 hrs/wk) [5.g.]

[(_____/Hr) +**[** (_____/ Hr) x (40 Hrs/wk) / (_____Hrs/wk)**]** + (_____/Hr)**]**

= $___N/A___/Hr

c. Standby Hourly Rate:

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

[(_____8.19_____/Hr) x 0.50**]** + (___2.87__/Hr)

= $___6.97_____ /Hr

See Chapter 3 if rate adjustments are necessary.

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

CHAPTER 4

METHODOLOGY FOR DREDGING PLANT

SECTION I. GENERAL

4-1. Contents. This chapter contains the methodology used to compute ownership and operating rates for dredging plant. Dredging plant is defined as marine equipment that is used for dredging operations for the majority of its plant life. See Table 2-1 for marine equipment where over the life of the equipment the plant is not typically used on a dredging project.

4-2. General. The ownership and operating rates provided in TABLE 2-1, Category M-10, are developed based on the methodology in Chapter 2 for non-dredging equipment. Those rates may be used for dredging, provided they are adjusted in accordance with the methodology provided in this chapter.

a. Ownership and operating cost factors as shown in TABLE 4-1, Dredge Plant Expense Factors, are for various types of dredging equipment and plant. When a type of equipment or plant is not listed, the cost factors may be estimated by using the factors listed in this table for a similar type of plant.

b. This rate methodology applies only to dredges and floating attendant plant engaged in any type of dredging operations.

c. Hopper dredge cost factors and operating cost rate methodology are not included in this chapter. These factors have been omitted primarily due to the limited number of hopper dredges and the complexity of the methodology used to calculate rates. Further information can be found in ER 1110-2-1302, Civil Works Cost Engineering and can be found on the Internet at http://www.usace.army.mil/inet/usace-docs/eng-regs/er1110-2-1302/toc.htm. Methodology for determining ownership cost (depreciation and FCCM) is determined using the methodology found "SECTION V. OWNERSHIPCOST" of this chapter.

d. For mechanical dredges, the cost of the buckets are 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 and calculated using from TABLE 2-1.

SECTION II. ANNUAL USE

4-3. Time Available to Dredge.

a. The number of months available per each calendar year for the contract 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. Therefore, Figure 4-1, Months Available by Region depicts months available for dredging, including mobilization and demobilization, based on data collected from Corps of Engineers' regional dredge estimating teams. This information shall be used for computing the ownership costs. If the contract document specifies a different time in months, these months may be substituted.

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

AVAILABLE TIME TO DREDGE BY REGION
(In Months)

Region	Type of Dredge 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. Useful Life. The Useful Life is expressed in years in TABLE 4-1. It is the expected life used to develop ownership rates for various types of dredge plant.

b. Physical Life. The Physical Life is expressed in hours in TABLE 4-1. It is the expected life used to develop operating rates for various types of dredge 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. For definition of effective time refer to ER 1110-2-1302, Civil Works Cost Engineering. The total annual hours available can be expressed by formula, as follows:

Available Hours Per Year = Months Available/Year x Effective Hours/Month

SECTION IV. SALVAGE VALUE

4-6. Salvage Value. The salvage value (SLV), expressed as a decimal, is shown in TABLE 4-1 for different types of plant.

SECTION V. OWNERSHIP COST

4-7. Ownership Cost. Ownership expense is expressed as a percent of plant value, which is defined as the acquisition cost plus any initial capital improvements. The value of initial capital improvements is based on those betterments, which were made within one year of purchase. Capital improvements do not include any replacement or repair work. Cost for repairs or replacements are covered in the repair cost allowance, within operating cost. Capital Improvements are considered betterment's, where the plant has been improved, such as adding radar, or upgrade of engines (Note: Only the cost difference between replacement of existing similar engines and actual cost for upgrade of engines should be considered as capital improvement). For capital improvements not made within the first year after the initial acquisition, see Section VIII, Negotiated Procurement. Ownership is based on "Dredging time" defined as effective plus non-effective 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 Civil Works cost Engineering regulation or EI 01 D010 Construction Cost Estimates.

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

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

Ownership Per Month = Plant Value x (DEPR + FCCM) / Available use months

Where:

(1) DEPR = Ownership percent per year for depreciation

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

4-8. Depreciation. Depreciation is computed using the straight-line method. The depreciable value is the acquisition cost, plus initial capital improvements, less estimated salvage. The basis for determining the yearly percentage factor for depreciation is expressed by formula, as follows:

$$\text{DEPR (percent per year)} = (1\text{-SLV}) / N$$

Where:

(1) N = Ownership Life in Years

(2) SLV = Salvage Value

4-9. Facilities Capital Cost of Money (FCCM). FCCM is computed as shown in Chapter 2, except that FCCM is determined on a yearly basis instead of an hourly basis and is expressed here as an annual percentage factor. The cost-of-money rate (CMR) in effect at the time the work is performed or current rate shall apply. This formula is expressed as follows:

$$\text{FCCM (percent per year)} = \frac{[(N-1)(1+SLV)+2](CMR)}{2N}$$

Where:

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

4-10. Other Ownership Elements. Taxes, storage (lay-up), and insurance are considered indirect (overhead) costs as defined in ER 1110-2-1302, Appendix D. These are not included in ownership rates as calculated in this chapter since they vary by geographic areas and with individual contractors. These costs should not be duplicated in the overhead in the estimate or submitted proposal.

SECTION VI. OPERATING FACTORS

4-11. Hourly Operating Cost. Ownership is based on effective time. Dredge plant operating factors are shown in TABLE 4-1. These factors, which are described below, are not intended to replace historical data but may 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 of these engines is present, the horsepower is totaled. Fuel consumption factors are prepared on the same basis as Chapter 2. If the estimator has more specific fuel consumption information, the horsepower factor (HPF) may be adjusted to reflect job conditions. The HPF factor is shown for information only in non-decimal format.

4-13. Water, Lube, and Supplies (WLS). This factor is similar to the FOG factor described in Chapter 2. This item is computed as either a percentage of the hourly fuel costs or, if the type of plant has no engine, a reasonable hourly cost should be included. This factor does not include an allowance for the oiler normally assigned to the dredge or other piece of dredge plant.

4-14. Repairs (RPR). This factor includes an allowance for all major and minor repairs and is similar to the maintenance and repair cost factor described in Chapter 2. The economic adjustment factor (EAF) and the labor adjustment factor (LAF) are required to develop this cost. It should be noted that the repair allowance does not include the following estimated additive items:

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

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

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

SECTION VII. STANDBY

4-15. Standby Rate. The standby rate is computed by allowing the full ownership cost (full depreciation plus the full FCCM). In addition to the standby ownership rate, it may be necessary on dredges to include operating costs. A generator fuel allowance to account for operation of a diesel engine generator for power to operate pumps, navigation lights, minimum crew, etc. are examples of these operating costs.

a. Standby is 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 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 is 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 Federal Acquisition Regulation (FAR), Subpart 15, Contracting by Negotiation (15.401, Definitions).

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

a. 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 with useful life as shown in TABLE 4-1.

b. When actual cost or pricing data is available to adjust the operating rate, the data must be adequate and established in accordance with accepted general accounting principles. 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. Dredge 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, CENWW-ED-C, Corps of Engineers, Walla Walla District, telephone (509) 527-7511.

SECTION IX. RATE CALCULATION EXAMPLE

4-20. Rate Calculation Example. The example shown in Figure 4-2, Dredge Plant Ownership and Operating Worksheet illustrates the use of FIGURE 4-1, TABLE 4-1 and the regional data from APPENDIX B to generate a rate.

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

b. For illustration purposes, assume that a 24" 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 cost-of-money rate (CMR) of 4.00%.

TABLE 4-1

DREDGE PLANT EXPENSE FACTORS

TYPE OF PLANT	USEFUL LIFE	PHYSICAL LIFE	SALVAGE VALUE	PRIME ENGINE FUEL FACTOR			SECONDARY ENGINE FUEL FACTOR			WLS %		RPR %
	(YRS)	(HRS)	(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 THRU 10-INCH	6	12,000	0.05	80	0.083	0.045	70	0.072	0.039	20	22	80
11-INCH THRU 12-INCH	8	16,000	0.05	80	0.083	0.045	70	0.072	0.039	20	22	90
13-INCH THRU 15-INCH	15	40,000	0.05	80	0.083	0.045	70	0.072	0.039	20	22	100
16-INCH THRU 17-INCH	20	80,000	0.05	80	0.083	0.045	70	0.072	0.039	20	22	110
18-INCH THRU 20-INCH	20	100,000	0.05	80	0.083	0.045	70	0.072	0.039	20	22	120
21-INCH THRU 22-INCH	25	120,000	0.10	80	0.083	0.045	70	0.072	0.039	20	22	130
23-INCH THRU 24-INCH	25	130,000	0.10	80	0.083	0.045	70	0.072	0.039	20	22	130
25-INCH THRU 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
BOOSTERS - BARGE MOUNTED												
(FOR PIPELINE DREDGES)												
16-INCH THRU 17-INCH	20	80,000	0.05	80	0.083	0.045	70	0.072	0.039	22	24	80
18-INCH THRU 20-INCH	20	100,000	0.10	80	0.083	0.045	70	0.072	0.039	22	24	90
21-INCH THRU 22-INCH	25	120,000	0.10	80	0.083	0.045	70	0.072	0.039	22	24	100
23-INCH THRU 24-INCH	25	130,000	0.10	80	0.083	0.045	70	0.072	0.039	22	24	110
25-INCH THRU 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
MECHANICAL DREDGES (LARGE)*												
*SIZED BY THE LARGEST BUCKET USED (NORMALLY A MUD BUCKET)												
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
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

TABLE 4-1

DREDGE PLANT EXPENSE FACTORS (continued)

TYPE OF PLANT	USEFUL LIFE (YRS)	PHYSICAL LIFE (HRS)	SALVAGE VALUE (SLV)	PRIME ENGINE FUEL FACTOR HPF	PRIME ENGINE FUEL FACTOR G	PRIME ENGINE FUEL FACTOR D	SECONDARY ENGINE FUEL FACTOR HPF	SECONDARY ENGINE FUEL FACTOR G	SECONDARY ENGINE FUEL FACTOR D	WLS % G	WLS % D	RPR %
TUGS & 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 THRU 1000 HP	10	20,000	0.10	80	0.083	0.045	70	0.072	0.039	32	38	90
1000 THRU 2000 HP	15	55,000	0.10	80	0.083	0.045	70	0.072	0.039	32	38	100
2000 THRU 3000 HP	20	100,000	0.10	80	0.083	0.045	70	0.072	0.039	32	38	110
OVER 3000 HP	25	120,000	0.10	80	0.083	0.045	70	0.072	0.039	32	38	120
BOATS - SEE CATEGORY M10.50												
PIPELINE & ACCESSORIES (CALM ENVIRONMENT)												
METAL PIPELINE (UNDER 20")												
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" 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	12,000	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
PIPELINE & 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 SHORELINE												
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.

1. PERTINENT DATA:

a.	Plant Description.....	>	24" Hydraulic Cutter Suction Dredge	
b.	Model & Series.....	>	Ellicott Series 4900 Super Dragon	
c.	Prime Engine Horsepower.....	>	3,730	HP
d.	Secondary Engine(s) Horsepower. (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.	Acquistion Year.....	>	1987	
g.	Present Year.....	>	1999	
h.	Cost of Money Rate (Undiscounted)..	>	5.000	%
i.	Use Discounted Money Rate (5.000% / 1.25) =		4.000%	
j.	Hours Worked per Month (Effective Time).....	>	500	hrs/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 EP 1110-1-8, CONSTRUCTION EQUIPMENT OWNERSHIP AND EXPENSE SCHEDULE (See Chapter 4).

For information on cost-of-money rate and calculation of FCCM, see paragraph 4-9.
Cost-of-money rates are located in APPENDIX I.

SHEET 1 OF 5

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

2. APPENDIX "B" DATA:

a. LAF (Labor Adjustment Factor)..... > 1.110

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

(1) Fuel Cost per Gallon..... > $0.92 /gallon

3. APPENDIX E DATA: (EK 105)

a. Economic Index for Acquisition Year.... > 3886 <for 1987>

b. Economic Index for Present Year..... > 5710 <for 1999>

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 & Tributaries Region, Figure 4-1)

5. TABLE 4-1 DATA:

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

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

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

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

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

e. WLS (Water, Lube & Supplies Factor)..... > 22 % = 0.22

f. RPR (Repair Cost Factor)..... > 130 % = 1.30

SHEET 2 of 5

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

6. Ownership Expense Percent per Year

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

(1.0 - 0.10) / 25.00 = 3.60%

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

[(25.00 - 1)(1 + 0.10) + 2] x 4.000% / (2 x 25.00) = 2.27%

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

7. OWNERSHIP COSTS:

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

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

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

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

8. OPERATING COSTS:

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

(1) Prime Engine Fuel:

(0.045 x 3,730 HP x $0.92 /gal) = $154.42 /hour

(2) Secondary Engine Fuel:

(0.039 x 2,475 HP x $0.92 /gal) = $88.80 /hour

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

(1) Prime Engine WLS:

(0.22 x $154.42) = $33.97 /hour

(2) Secondary Engine WLS:

(0.22 x $88.80) = $19.54 /hour

SHEET 3 OF 5

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

8. OPERATING COSTS (Continued):

c. Repair Cost:

(1) EAF (Economic Adjustment Factor)

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

(5710 <for 1999> / 3886 <for 1987>) = 1.469

(2) Repair Cost:

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

($3,700,000 x 1.30 x 1.469 x 1.110) / 130,000 hrs = $60.33 /hour

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

($154.42 + $88.80 + $33.97 + $19.54 + $60.33) = $357.06 /hour

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

($357.06 /hour x 500 hours/month) = $178,530 /month

9. SUBTOTAL MONTHLY EXPENSE = (OWNERSHIP + OPERATING)

($24,132 /month + $178,530 /month) = $202,662 /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 RATE (Items 9 + 10 b.) $210,662 /month

See following sheet for standby allowance.

SHEET 4 OF 5

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

12. STANDBY ALLOWANCE

a. Yearly Standby Expense:

= Ownerhip Cost from 7. a.

$217,190 /year

b. Monthly Standby Expense:

= Ownerhip Cost from 7. b.

$24,132 /month

c. STANDARD HOURLY STANDBY EXPENSE:

= (Monthly Standby Expense / 730 hr/mo)

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

An additional generator fuel allowance may be allowed under certain circumstances. This allowance is applicable to dredges only.

d. Generator Fuel Allowance for a Dredge:

= ((Generator HP / Total Secondary HP) x Secondary Fuel Cost)

((200 HP / 2,475 HP) x $88.80) = + $7.18 /hour

e. TOTAL HOURLY STANDBY ALLOWANCE FOR A DREDGE:

= (Standby Allowance + Generator Fuel Allowance)

($33.06 + $7.18) = $40.24 /hour

SHEET 5 OF 5

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

APPENDIX A
REFERENCES

SECTION I. REQUIRED PUBLICATIONS

FAR 30.101 — Cost Accounting Standards, Part 30, Federal Acquisition Regulation, Government Printing Office, Washington, D.C., 1999.

FAR 31.105 — Construction and Architect-Engineer Contracts, Federal Acquisition Regulation, Government Printing Office, Washington, D.C., 1999.

FAR 31.205-10 — Cost of Money, Federal Acquisition Regulation, Government Printing Office, Washington, D.C., 1999.

FAR 31.205-24 — Maintenance and Repair Costs, Federal Acquisition Regulation, Government Printing Office, Washington, DC., 1999.

EFARS 31.105 — Construction and Architect-Engineer Contracts, Engineer Federal Acquisition Regulation Supplement, Government Printing Office, Washington, D.C., 1999.

EFARS 31.105-100 — Contract Statement, Engineer Federal Acquisition Regulation Supplement, Government Printing Office, Washington, D.C., 1999.

Producer Prices and Price Indexes, U. S. Department of Labor, Bureau of Labor Statistics, Government Printing Office, Washington, D.C., 1957 thorough 1999.

SECTION II: RELATED PUBLICATIONS

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

Bulletin B-300, Goodyear Tire and Rubber Company, Akron, Ohio, January 1998.

Caterpillar Performance Handbook, 27th ed, Caterpillar Inc., Peoria, Illinois, 1996.

Caterpillar Performance Handbook, 28th ed, Caterpillar Inc., Peoria, Illinois, 1997.

SECTION II: RELATED PUBLICATIONS (Continued)

Caterpillar Performance Handbook, 29th ed, Caterpillar Inc., Peoria, Illinois, 1998.

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 Com pany, Peoria, Illinois, 1975.

Green Guide for Off-Highway Trucks and Trailers, Dataquest, Inc., San Jose, California, 1999.

Green Guide Volume I, Dataquest, Inc., San Jose, Cali fornia, 1997.

Green Guide Volume II, Dataquest, Inc., San Jose, Cali fornia, 1999.

Handbook of Heavy Construction, Have, J. A., and F. W. Stubbs Jr., 2nd ed, McGraw-Hill Company, New York, 1971.

Means 1999 Labor Rates for the Construction Industry, 26th ed., R. S. Means Company, Inc., Kingston, Massa chusetts.

Moving the Earth, Nichols, H. L., Jr., 3rd ed, North Castle Books, Greenwich, Connecticut, 1976.

Operating Cost Guide, Power Crane and shovel Associa tion, Milwaukee, Wisconsin, 1976.

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

Production and Cost Estimating of Material Movement with Earthmoving Equipment, 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.

(b) Allowable cost for construction and marine plant and equipment in sound workable condition owned or controlled and furnished by a contractor or subcontractor at any tier shall be based on actual cost data for each piece of equipment or groups of similar serial and series for which the Government can determine both ownership and operating costs from the contractor's accounting records. When both ownership and operating costs cannot be determined for any piece of equipment or groups of similar serial or series equipment from the contractor's accounting records, costs for that equipment shall be based upon the applicable provisions of EP 1110-1-8, Construction Equipment Ownership and Operating Expense Schedule, Region *[insert Roman numeral for the appropriate region of the schedule]*. Working conditions shall be considered to be average for determining equipment rates using the schedule unless specified work was performed shall apply.

SECTION III: EFAR REFERENCE (Continued)

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

(c) Equipment rental costs are allowable, subject to the provisions of FAR 31.105(d)(ii) and FAR 31.205-36. 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
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Use this blank worksheet to compute rates for equipment that are not in this pamphlet.

1. EQUIPMENT INFORMATION & EXPENSE FACTORS

For 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) & APPENDIX F)

(a) Front: No.: _____ Size/Ply: _____ Cost: $ _____

(b) Drive: No.: _____ Size/Ply: _____ Cost: $ _____

(c) Trailing: No.: _____ Size/Ply: _____ Cost: $ _____

(d) Total Tire Cost: $ _____

USE APPENDIX D TO COMPLETE THE FOLLOWING DATA:

b. Category and Sub-category Number: _____

c. Hourly Expense Calculation Factors:

(1) Economic Key (E K): _____

(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 (E G D): _____

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

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

(9) Tire Wear Factor:

(a) Front (FT): _____

(b) Drive (DT): _____

(c) Trailing (TT): _____

(10) Repair Cost Factor (RCF): _____

Page 1 of 6

Equipment Rate Computation Worksheet (copy as needed)

2. EQUIPMENT VALUE

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

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

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

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

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

(_____) x (_____) = +$ _____

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

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

(_____CWT) x (_____) = +$_____

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

3. DEPRECIATION PERIOD (N)

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

(_____Hrs) / (_____Hrs/Yr) **3. TOTAL:** = _____ Yrs(N)

4. OWNERSHIP COST

a. Depreciation

(1) Tire Cost Index (TCI):

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

(_____) / (_____) = _____ (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**

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

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

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

(_____) x (_____) x (_____) / (_____Hrs/Yr)

= $_____**/Hr**

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

5. OPERATING COST

a. Fuel Cost:

(1) Equipment:

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

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

(2) Carrier:

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

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

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

b. FOG Cost:

(1) Equipment:

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

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

Page 3 of 6

Equipment Rate Computation Worksheet (copy as needed)

5. OPERATING COST (Continued)

(2) Carrier:

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

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

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

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

d. Repair Cost:

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

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

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

(See TABLE 3-2 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**

Equipment Rate Computation Worksheet (copy as needed)

5. OPERATING COST (Continued)

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

(1) Front Tires:

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

[1.5 x (_____)**]** / **[** 1.8 x (_____) x (_____/Hrs) **]**
= $_____**/Hr**

(2) Drive Tires:

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

[1.5 x (_____) **]** / **[** 1.8 x (_____) x (_____ /Hrs) **]**
= $_____**/Hr**

(3) Trailing Tires:

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

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

= $_____**/Hr**

(4) Total Tire Wear Cost: 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]

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

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

Page 5 of 6

6. HOURLY RATES

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

(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 hrs/wk) / (Work Hrs/wk) **]** + (Operating Cost) **]**
[4. a. (2)] [4. b. (2)] (example: 60 hrs/wk) [5.g]

[(_____/Hr) + **[** (_____/ Hr) x (40 Hrs/wk) / (_____Hrs/wk) **]** + (_____/Hr) **]**

= $_____/Hr

c. Standby Hourly Rate:

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

[(_____/Hr) x 0.50 **]** + (_____/Hr)

= $_____ /Hr

See Chapter 3 if rate adjustments are necessary.

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APPENDIX B

AREA FACTORS

NORTHWEST

Region: 8

Total State Sales or Import Tax Rate:	4.50%	
Working Hours Per Year (WHPY):	1,540	hrs/yr
Labor Adjustment Factor (LAF):	1.11	
Electricity Cost Per Kilowatt-Hour:	$0.047	/kW-Hr
Gasoline Cost Per Gallon:	$1.11	/gal
Diesel Cost Per Gallon (Off-Road Use):	$0.92	/gal
Diesel Cost Per Gallon (On-Road Use):	$1.17	/gal
Cost-of-Money Rate (Full Rate):	5.000%	
Cost-of-Money Rate (Adjusted):	4.000%	

Freight Rates

over	0	cwt	thru	240	$16.49
over	240	cwt	thru	300	$12.74
over	300	cwt	thru	400	$9.72
over	400	cwt	thru	500	$7.31
over	500	cwt	thru	700	$4.89
over	700	cwt	thru	800	$4.89
over	800	cwt	thru	99,999	$4.83

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	1999	5.60%	1360	1.15	$0.101	$1.06	$0.86	$1.10	240	$16.78	300	$11.88	400	$7.78	500	$5.92	700	$4.44	800	$4.44	99,999	$4.77
2	MIDEAST	1999	5.40%	1450	1.03	$0.068	$1.01	$0.79	$1.04	240	$9.49	300	$7.79	400	$6.31	500	$5.02	700	$3.54	800	$3.54	99,999	$3.25
3	SOUTHEAST	1999	7.30%	1530	0.85	$0.065	$0.94	$0.74	$0.99	240	$12.57	300	$10.18	400	$8.14	500	$6.39	700	$4.46	800	$4.46	99,999	$4.05
4	NORTHCENTRAL	1999	5.40%	1260	1.03	$0.063	$1.08	$0.81	$1.06	240	$10.47	300	$8.11	400	$6.28	500	$4.83	700	$3.33	800	$3.33	99,999	$3.23
5	MIDWEST	1999	7.10%	1400	0.96	$0.062	$0.97	$0.80	$1.04	240	$13.21	300	$8.48	400	$5.65	500	$3.20	700	$2.46	800	$2.46	99,999	$2.36
6	SOUTHWEST	1999	8.20%	1590	0.88	$0.067	$0.99	$0.74	$0.98	240	$10.14	300	$8.01	400	$6.27	500	$4.84	700	$3.33	800	$3.33	99,999	$3.29
7	WEST	1999	7.50%	1630	1.19	$0.075	$1.11	$0.92	$1.16	240	$15.38	300	$11.80	400	$8.95	500	$6.68	700	$4.44	800	$4.44	99,999	$4.31
8	NORTHWEST	1999	4.50%	1540	1.11	$0.047	$1.11	$0.92	$1.17	240	$16.49	300	$12.74	400	$9.72	500	$7.31	700	$4.89	800	$4.89	99,999	$4.83
9	ALASKA	1999	0.00%	1040	1.24	$0.094	$1.20	$1.00	$1.24	240	$21.32	300	$19.27	400	$17.50	500	$15.96	700	$14.61	800	$14.61	99,999	$13.75
10	HAWAII	1999	4.17%	1480	1.21	$0.124	$1.40	$0.84	$1.40	240	$22.44	300	$20.84	400	$19.50	500	$18.38	700	$17.43	800	$17.43	99,999	$17.37
11	PUERTO RICO	1999	6.60%	1560	0.75	$0.048	$1.05	$0.97	$1.19	240	$22.87	300	$21.72	400	$20.70	500	$19.80	700	$19.00	800	$19.00	99,999	$18.30
12	KWAJALEIN	1999	4.17%	1390	1.15	$0.124	$0.84	$0.85	$0.85	240	$22.44	300	$20.84	400	$19.50	500	$18.38	700	$17.43	800	$17.43	99,999	$17.37

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

GUIDE FOR SELECTING OPERATING CONDITIONS		
EQUIPMENT TYPE	**AVERAGE**	**SEVERE**
G15: Graders, Motor	Haul road maintenance. Road construction, ditching. Loose fill spreading. Landforming, landleveling. Summer road maintenance with medium to heavy winter snow removal. 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 - 18,000 hours	8,000 - 15,000 hours
H30: Hydraulic Excavators Wheel Mounted	Continuous digging in sandy clay/sandy gravel, site development, and lumber yard applications.	Continuous digging in rock/natural bed clay, high impact, using hammer, working in forests or quarries.
Depreciation Period:	8,000 - 10,000 hours	6,500 - 8,000 hours

GUIDE FOR SELECTING OPERATING CONDITIONS		
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:	14,000 - 18,000 hours	12,000 - 16,000 hours
L10: Land Clearing Equipment	Working in low impact conditions at or below rated capacity.	High impact conditions working at or above rated capacity.
Depreciation Period:	10,000 hours	7,000 hours
L30: Loaders, Belt	Working below rated capacity, with intermittent service.	Working at or above rated capacity with continuous service.
Depreciation Period:	10,000 hours	8,000 hours

GUIDE FOR SELECTING OPERATING CONDITIONS		
EQUIPMENT TYPE	**AVERAGE**	**SEVERE**
L35: Loaders, Front End Crawler Type	Bank excavation, intermittent ripping, basement digging of natural bed clays, sands, silts, gravels. Some traveling. Steady full throttle operations.	Loading shot rock, cobbles. High density materials in standard bucket. Continuous work on rock surfaces. Large amount of ripping of tight rock materials. High impact conditions. Salt water environment.
Depreciation Period:	8,000 - 10,000 hours	6,000 - 8,000 hours
L40: Loaders, Front End Wheel Type (does not include skid steer & tool carriers)	Continuous truck loading from stockpile. Low to medium density materials in properly sized bucket. Hopper charging in low to medium rolling resistance. Loading from bank in good digging. Load and carry on poor surfaces and slight adverse grades.	Loading shot rock (large loaders). Handling high density materials with counterweighted machine. Steady loading from very tight banks. Continuous work on rough or very soft surfaces. Load and carry in hard digging; travel longer distances on poor surfaces with adverse grades. Salt water environment.
Depreciation Period :	10,000 - 13,000 hours	8,000 - 10,000 hours
L45 & L50: Loaders with Backhoe Crawler Type and Wheel Type	Utility applications in medium to heavy soil. Occassional use of constant flow implements. Dig depths to 3.05m (10 ft.).	Production applications or digging in rock. Regular use of constant flow implements. Dig depths over 3.05m (10 ft.).
Depreciation Period:	10,000 hours	6,000 - 8,000 hours

GUIDE FOR SELECTING OPERATING CONDITIONS		
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 & .32 : Clamshell dredges < 5 cy Amphibious Excavator Depreciation Period:	Gravels, 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. 10,000 - 18,000 hours
M10 - .51, .52, & .53 : Boats, Skiffs, Crew Boats, Work Boats, Survey Boats & Launches Depreciation Period :	Fresh water applications, light waves, steady to light use. 12,000 - 14,000 hours	Salt water use, medium to high waves, heavy use. 10,000 - 12,000 hours
P35: Pipelayers Depreciation Period :	Typical pipelayer use in operating conditions ranging from very good to severe. 15,000 hours	Continuous use in deep mud or water or on rock surfaces. 10,000 hours
R10: Rippers and Bank Slopers Depreciation Period :	Light rock medium breakout force required. 8,000 hours	Hard rock, excessive wear due to high breakout force. 6,500 hours

GUIDE FOR SELECTING OPERATING CONDITIONS		
EQUIPMENT TYPE	**AVERAGE**	**SEVERE**
S10, S15, S20, & 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 :	10,000 - 17,000 hours	8,000 - 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 - 22,000 hours	8,000 - 15,000 hours
T20: Tractors Wheel Type (Dozer)	Production dozing, push-loading in clays, sands, silts, loose gravels. Shovel cleanup.	Production dozing in rock. Push loading in rocky, boulder-strewn borrow pits. High impact conditions. Landfill compactor work.
Depreciation Period :	12,000 hours	8,000 hours

GUIDE FOR SELECTING OPERATING CONDITIONS		
EQUIPMENT TYPE	**AVERAGE**	**SEVERE**
T30: Trenchers Chain & Wheel Type Depreciation Period :	Working in sands and silts below rated capacity of the machine. 8,000 - 10,000 hours	Working in gravels and abrasive materials at or above the rated capacity of the machine. 6,500 - 8,000 hours
T45 & T50: Truck Trailers Trucks, Highway Depreciation Period :	Varying loading and road conditions. Typical construction use on a variety of jobs. 7,000 - 10,000 hours	Consistently poor road conditions. Oversized loading equipment. 5,500 - 7,000 hours
T55 & T60: Trucks, Off-Highway Trucks, Water, Off-Highway Depreciation Period:	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. 12,000 - 25,000 hours	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. 10,000 - 20,000 hours

GUIDE FOR SELECTING OPERATING CONDITIONS		
EQUIPMENT TYPE	**AVERAGE**	**SEVERE**
T65 - .20 & .40: Tunnel / Mining Equipment Tunnel Boring Machines Roadheaders Continuous Miners	Mining rock in average conditions, machine working below rated capacity.	Mining hard rock in severe working conditions, machine working at rated capacity.
Depreciation Period :	16,000 - 22,000 hours	14,000 - 20,000 hours
W10 & W15: Wagons Bottom Dump Rear Dump	Varying load and haul road conditions. Long and short hauls. High rolling resistance and poor traction during part of the job. Some adverse grades. Some impact. Typical road building use in a variety of jobs, dam construction, openpit 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

TABLE LEGEND

EK - Reference To Economic Index Key (see Appendix E).

C - Operating Conditions (A = average, S = severe).

DC - Discount Code on Equipment Cost (B = basic, S = special).
Current Discount Rates: basic = 7.5%, special = 15%

LIFE - Equipment Life (hrs).
SLV - Equipment Salvage Value Percent (decimal format).
HPF - Horsepower Factor (for reference only).

Fuel Factor - Equipment and Carrier

E - Electric Consumption (kW/hp/hr).
G - Gasoline Consumption (gal/hp/hr).
D - Diesel Consumption (gal/hp/hr).

FOG - Filters,Oil and Grease (decimal format)

E - FOG Percent For Electric Power.
G - FOG Percent For Gasoline Power.
D - FOG Percent For Diesel Power.

Tire Factors (decimal format)

FT - Front Tire Wear Factor Percent.
DT - Drive Tire Wear Factor Percent.
TT - Trailing Tire Wear Factor Percent.

RCF - Repair Cost Factor Percent (decimal format).

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	10,000	0.20	50	.500	.050	.026	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	0.25	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	0.20	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	0.10	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	0.10	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	4,000	0.20	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	8,000	0.20	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	10,000	0.20	65	.650	.065	.033	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	10,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.000	.339	.297	0.83	0.66	0.92	1.00
A45	0.00	ASPHALT RECYCLERS & SEALERS	10	A	B	8,000	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	10,000	0.15	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	10,000	0.15	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	0.15	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	0.20	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	0.20	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	10,000	0.15	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	8,000	0.15	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																			
B30	0.10	GENERAL PURPOSE, MANUAL TRIP	15	A	B	10,000	0.20	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	10,000	0.20	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	10,000	0.20	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	10,000	0.20	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.80

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
B35	0.00	BUCKETS, DRAGLINE	1																			
B35	0.10	LIGHT WEIGHT	15	A	B	8,000	0.15	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	0.15	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	0.15	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	0.15	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	0.15	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	0.15	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	4,000	0.15	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 ROLLERS	1																			
C10	0.10	COMPACTORS, RAMMERS / TAMPERS & VIBRATORY PLATES	95	A	B	5,000	0.20	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	5,000	0.20	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	6,000	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	5,000	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	0.15	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	10,000	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	0.15	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	0.20	90	.900	.090	.460	0	.000	.000	.000	.477	.339	.403	0.00	0.00	0.90	1.00
C65	0.00	CONCRETE VIBRATORS	5	A	B	4,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.477	.339	.403	0.00	0.00	0.00	2.50
C70	0.00	CRANES, GANTRY & STRADDLE	1																			
C75	0.00	CRANES, HYDRAULIC, SELF-PROPELLED	20	A	B	14,000	0.15	75	.750	.075	.039	0	.000	.000	.000	.000	.339	.318	0.89	0.71	0.90	0.80
C80	0.00	CRANES, HYDRAULIC, TRUCK MOUNTED	1																			
C80	0.01	UNDER 26 TON	20	A	B	14,000	0.15	65	.650	.065	.033	10	.100	.010	.006	.000	.403	.382	0.97	0.78	0.00	0.60
C80	0.01		20	S	B	12,000	0.15	85	.850	.085	.044	13	.130	.013	.007	.000	.403	.382	0.86	0.61	0.00	0.65
C80	0.02	26 TON THRU 65 TON	20	A	B	16,000	0.15	65	.650	.065	.033	10	.100	.010	.006	.000	.318	.276	0.97	0.78	0.00	0.70
C80	0.02		20	S	B	14,000	0.15	85	.850	.085	.044	13	.130	.013	.007	.000	.318	.276	0.86	0.61	0.00	0.75

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
C80	0.03	66 TON THRU 125 TON	20	A	B	18,000	0.15	65	.650	.065	.033	10	.100	.010	.006	.000	.318	.276	0.97	0.78	0.00	0.80
C80	0.03		20	S	B	16,000	0.15	85	.850	.085	.044	13	.130	.013	.007	.000	.318	.276	0.86	0.61	0.00	0.85
C80	0.04	OVER 125 TON	20	A	B	20,000	0.15	65	.650	.065	.033	10	.100	.010	.006	.000	.318	.276	0.97	0.78	0.00	0.90
C80	0.04		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	12,000	0.15	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	10,000	0.15	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	14,000	0.15	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	12,000	0.15	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	16,000	0.15	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	14,000	0.15	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	18,000	0.15	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	0.15	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	13,000	0.15	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	11,000	0.15	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	15,000	0.15	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	13,000	0.15	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	18,000	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	20,000	0.15	40	.400	.040	.021	0	.000	.000	.000	.000	.254	.254	0.00	0.00	0.00	0.95
C85	0.24		20	S	B	18,000	0.15	52	.520	.052	.027	0	.000	.000	.000	.000	.254	.254	0.00	0.00	0.00	1.00
C90	0.00	CRANES, MECHANICAL, LATTICE BOOM, TRUCK MOUNTED	1																			
C90	0.01	UNDER 26 TON	20	A	B	14,000	0.15	50	.500	.050	.026	10	.100	.010	.005	.000	.403	.382	0.97	0.78	0.00	0.60
C90	0.01		20	S	B	12,000	0.15	65	.650	.065	.033	13	.130	.013	.007	.000	.403	.382	0.86	0.61	0.00	0.65
C90	0.02	26 TON THRU 65 TON	20	A	B	16,000	0.15	50	.500	.050	.026	10	.100	.010	.005	.000	.318	.276	0.97	0.78	0.00	0.70
C90	0.02		20	S	B	14,000	0.15	65	.650	.065	.033	13	.130	.013	.007	.000	.318	.276	0.86	0.61	0.00	0.75
C90	0.03	66 TON THRU 125 TON	20	A	B	18,000	0.15	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	0.15	65	.650	.065	.033	13	.130	.013	.007	.000	.318	.276	0.86	0.61	0.00	0.85
C90	0.04	OVER 125 TON	20	A	B	20,000	0.15	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	0.15	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	0.00	0.85
D10	0.00	DRILLS,AIR/HYDRAULIC,CRWLR MTD,0" THRU 6.5" DIA HOLE	25	A	B	10,000	0.20	80	.800	.080	.041	0	.000	.000	.000	.477	.339	.297	0.62	0.44	0.00	1.00

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
D15	0.00	DRILLS, HORIZONTAL BORING & GROUND PIERCING	25	A	B	10,000	0.20	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	8,000	0.20	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	10,000	0.20	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	10,000	0.20	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	0.15	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	0.15	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	0.15	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	0.15	85	.850	.085	.044	0	.000	.000	.000	.000	.254	.254	0.00	0.00	0.90	0.80
G15	0.00	GRADERS, MOTOR	35	A	B	14,000	0.25	60	.600	.060	.031	0	.000	.000	.000	.000	.212	.360	0.89	0.71	0.00	0.70
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	HAZARD/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

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
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	0.20	65	.650	.065	.033	0	.000	.000	.000	.000	.403	.403	0.00	0.00	0.00	0.80
H25	0.12		65	S	B	10,000	0.20	85	.850	.085	.044	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	0.15	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	0.15	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	18,000	0.15	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	15,000	0.15	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																			
H30	0.01	0 THRU 1.0 CY	65	A	B	8,000	0.20	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	6,500	0.20	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	0.15	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	0.15	78	.780	.078	.040	13	.130	.013	.007	.000	.403	.382	0.86	0.61	0.65	0.65
H35	0.00	HYDRAULIC SHOVELS, CRAWLER MOUNTED	1																			
H35	0.11	DIESEL, 0 CY THRU 5.0 CY	65	A	B	14,000	0.15	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	12,000	0.15	85	.850	.085	.044	0	.000	.000	.000	.000	.233	.233	0.00	0.00	0.00	1.10
H35	0.12	DIESEL, OVER 5.0 CY	65	A	B	16,000	0.15	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	14,000	0.15	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	0.25	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	0.25	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

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
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	13,000	0.15	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	0.15	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	0.15	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	0.15	65	.650	.065	.033	0	.000	.000	.000	.000	.339	.339	0.00	0.00	0.00	1.00
L40	0.31	TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP	45	A	B	10,000	0.25	65	.650	.065	.033	0	.000	.000	.000	.000	.339	.445	0.70	0.42	0.00	0.75
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	10,000	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	8,000	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	65	.650	.065	.033	0	.000	.000	.000	.000	.339	.339	0.72	0.50	0.00	0.80
L50	0.00		45	S	B	6,000	0.25	85	.850	.085	.044	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	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,TRANSPORT	105	A	B	10,000	0.15	80	.800	.080	.041	0	.000	.000	.000	.477	.339	.297	0.00	0.00	0.00	0.70
M10	0.22	HYDRAULIC CUTTERHEAD DREDGE,8" - 12",TRANSPORTABLE	105	A	B	12,000	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	10,000	0.15	80	.800	.080	.041	0	.000	.000	.000	.477	.339	.297	0.00	0.00	0.00	0.80
M10	0.24	HYDRAULIC FLOATING PUMPS,12" OR LESS,TRANSPORTABLE	105	A	B	8,000	0.10	80	.800	.080	.041	0	.000	.000	.000	.477	.339	.297	0.00	0.00	0.00	0.70
M10	0.25	HYDRUALIC DREDGE PUMPS,12" OR LESS,TRANSPORTABLE	105	A	B	6,000	0.15	80	.800	.080	.041	0	.000	.000	.000	.477	.339	.297	0.00	0.00	0.00	0.70
M10	0.26	HYDRAULIC DREDGE / PUMP ATTACHMENTS	105	A	B	6,000	0.15	80	.800	.080	.041	0	.000	.000	.000	.477	.339	.297	0.00	0.00	0.00	0.60
M10	0.31	SMALL MECH DREDGES,CLAMSHELL,BARGE-MTD TO 5 CY	20	A	B	20,000	0.15	65	.650	.065	.033	0	.000	.000	.000	.477	.254	.254	0.00	0.00	0.00	1.00
M10	0.31		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

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	0.33	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	0.34	CLAMSHELL, BARGE-MTD, UNDER 6 CY	105	A	B	16,000	0.05	60	.600	.060	.031	50	.000	.050	.026	.000	.254	.254	0.00	0.00	0.00	0.90
M10	0.35	CLAMSHELL, BARGE-MTD, 6 CY - 10 CY	105	A	B	26,000	0.05	60	.600	.060	.031	50	.000	.050	.026	.000	.254	.254	0.00	0.00	0.00	1.00
M10	0.36	CLAMSHELL, BARGE-MTD, 11 CY - 15 CY	105	A	B	40,000	0.05	60	.600	.060	.031	50	.000	.050	.026	.000	.254	.254	0.00	0.00	0.00	1.10
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	10,000	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	0.10	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	0.10	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	12,000	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	10,000	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	14,000	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	12,000	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	20,000	0.10	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	0.10	60	.600	.060	.031	50	.500	.050	.026	.477	.339	.403	0.00	0.00	0.00	1.00
M10	0.56	TUGS, 2,000 THRU 3,000 HP	105	A	B	100,000	0.10	60	.600	.060	.031	50	.500	.050	.026	.477	.339	.403	0.00	0.00	0.00	1.10
M10	0.57	TUGS, OVER 3,000 HP	105	A	B	120,000	0.10	60	.600	.060	.031	50	.500	.050	.026	.477	.339	.403	0.00	0.00	0.00	1.20
M10	0.60	LFTING CRANE, BARGE MTD, 25 - 75 TON, 45' BOOM	105	A	B	16,000	0.05	50	.000	.050	.026	40	.000	.040	.021	.000	.233	.233	0.00	0.00	0.00	0.90
M10	0.61	LFTING CRANE, BARGE MTD, OVER 75 - 125 TON, 60' BOOM	105	A	B	26,000	0.05	50	.000	.050	.026	40	.000	.040	.021	.000	.233	.233	0.00	0.00	0.00	1.00
M10	0.62	LFTING CRANE, BARGE MTD, OVER 125 - 200 TON, 80' BOOM	105	A	B	40,000	0.05	50	.000	.050	.026	40	.000	.040	.021	.000	.254	.254	0.00	0.00	0.00	1.10
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	0.35	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	0.35	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	0.35	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	0.35	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	0.35	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	15,000	0.25	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	10,000	0.25	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	0.20	50	.500	.050	.026	0	.000	.000	.000	.477	.339	.297	0.81	0.65	0.90	0.80

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
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	SKID MOUNTED, 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	0.90
P50	0.12	SKID MOUNTED, 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	0.50
P50	0.21	WHEEL MOUNTED, ENGINE DRIVE	95	A	B	8,000	0.25	90	.900	.090	.046	0	.000	.000	.000	.000	.339	.403	0.00	0.00	0.90	0.90
P50	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	95	A	B	8,000	0.25	90	.900	.090	.046	0	.000	.000	.000	.477	.000	.000	0.00	0.00	0.90	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	10,000	0.25	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	10,000	0.25	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	0.25	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	0.25	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	0.25	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	0.25	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	0.25	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	0.25	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	0.25	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	0.25	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	0.20	65	.650	.065	.033	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	0.20	65	.650	.065	.033	0	.000	.000	.000	.000	.254	.254	0.76	0.60	0.84	0.80
R30	0.03	TAMPING FOOT	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
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

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	0.20	90	.900	.090	.046	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	0.00	0.00	0.90	0.80
S10	0.00	SCRAPERS, ELEVATING	1																			
S10	0.01	0 THRU 200 HP	60	A	B	10,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.000	.000	.424	0.59	0.33	0.65	0.75
S10	0.01		60	S	B	8,000	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	10,000	0.15	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	8,000	0.15	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	0.15	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	0.15	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	0.15	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	0.15	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	0.20	65	.650	.065	.033	0	.000	.000	.000	.477	.339	.297	0.60	0.60	0.84	0.70
S30	0.20	CRUSHERS	95	A	B	10,000	0.15	65	.650	.065	.033	0	.000	.000	.000	.477	.339	.297	0.60	0.60	0.84	1.00
S30	0.30	SCREENING PLANT	95	A	B	10,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.477	.339	.297	0.60	0.60	0.84	0.80
S35	0.00	SNOW REMOVAL EQUIPMENT	95	A	B	8,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.000	.000	.297	0.59	0.33	0.65	0.80
S40	0.00	SOIL & ROAD STABILIZERS	60	A	B	10,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.000	.000	.297	0.59	0.33	0.65	0.85
S40	0.00		60	S	B	8,000	0.20	85	.850	.085	.044	0	.000	.000	.000	.000	.000	.297	0.39	0.19	0.43	0.95
S45	0.00	SPLITTERS, ROCK & CONCRETE	95	A	B	6,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.000	.339	.339	0.00	0.00	0.00	1.00
T10	0.00	TRACTOR BLADES & ATTACHMENTS	70	A	B	10,000	0.20	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	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	0.00	0.90
T15	0.00	TRACTORS, CRAWLER (DOZER) (includes blade)	1																			
T15	0.01	0 THRU 225 HP	70	A	B	10,000	0.25	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	8,000	0.25	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	18,000	0.20	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	15,000	0.20	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	22,000	0.15	70	.700	.070	.036	0	.000	.000	.000	.000	.000	.254	0.00	0.00	0.00	1.10
T15	0.03		70	S	B	15,000	0.15	91	.910	.091	.047	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	65	.650	.065	.033	0	.000	.000	.000	.000	.254	.297	0.73	0.44	0.00	0.60

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
T20	0.00		75	S	B	8,000	0.15	85	.850	.085	.044	0	.000	.000	.000	.000	.254	.297	0.38	0.21	0.00	0.65
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	6,500	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	10,000	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	8,000	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	0.20	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	0.20	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	0.20	65	.650	.065	.033	0	.000	.000	.000	.477	.339	.339	0.00	0.00	0.00	0.60
T40	0.70	ALL OTHER OPTIONS	95	A	B	8,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.477	.339	.339	0.56	0.40	0.62	0.70
T45	0.00	TRUCK TRAILERS	1																			
T45	0.10	BOTTOM DUMP	95	A	B	10,000	0.15	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	0.15	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	0.15	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	0.15	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	0.15	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	0.30	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	0.30	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	0.30	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	0.30	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	0.30	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	0.30	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	7,000	0.25	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	5,500	0.25	20	.200	.020	.010	0	.000	.000	.000	.000	.297	.254	0.36	0.22	0.00	0.75

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
T50	0.02	OVER 10,000 THRU 30,000 GVW(CHASSIS ONLY-ADD OPTION	85	A	S	8,000	0.25	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	6,500	0.25	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	8,000	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	6,500	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	90	A	B	25,000	0.15	40	.400	.040	.021	0	.000	.000	.000	.000	.000	.360	0.59	0.36	0.65	0.60
T55	0.00		90	S	B	20,000	0.15	52	.520	.052	.027	0	.000	.000	.000	.000	.000	.360	0.39	0.21	0.43	0.70
T56	0.00	TRUCKS,OFF-HIGHWAY/PRIME MOVER TRACTORS & WAGONS	1																			
T56	0.10	PRIME MOVER TRACTORS	90	A	B	18,000	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	12,000	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	0.15	65	.650	.065	.033	0	.000	.000	.000	.000	.254	.339	0.59	0.39	0.65	0.65
T56	0.20		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
T56	0.30	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
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	12,000	0.20	70	.700	.070	.036	0	.000	.000	.000	.000	.339	.318	0.70	0.42	0.00	0.75
T65	0.62	LOADING & HAULING EQUIPMENT, ELECTRIC	95	A	B	14,000	0.20	70	.700	.070	.036	0	.000	.000	.000	.477	.254	.254	0.70	0.42	0.00	0.70
T65	0.63	LOADING & HAULING EQUIPMENT, AIR-POWERED	95	A	B	10,000	0.25	70	.700	.070	.036	0	.000	.000	.000	.477	.339	.297	0.70	0.42	0.00	0.65
T65	0.70	LOCOMOTIVES	95	A	B	12,000	0.20	65	.650	.065	.033	0	.000	.000	.000	.477	.339	.297	0.00	0.00	0.00	0.75
T65	0.90	OTHER TUNNELING EQUIPMENT	95	A	B	10,000	0.20	70	.700	.070	.036	13	.130	.013	.007	.477	.339	.318	0.70	0.42	0.00	0.80
W10	0.00	WAGONS, BOTTOM DUMP	90	A	B	12,000	0.15	65	.650	.065	.033	0	.000	.000	.000	.000	.254	.339	0.59	0.39	0.65	0.65
W10	0.00		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

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
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	6,000	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	8,000	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																			
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	0.30	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	0.25	30	.300	.030	.016	0	.000	.000	.000	.424	.000	.000	0.00	0.00	0.90	0.50

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 1996

KEY (EK)	EQUIPMENT DIVISIONS	{--Projected---------} 2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
5	Air Equipment	2094	2088	2083	2074	2070	2063	2053	2012	2022	2008	1963	1956	1888	1801	1730	1720	1733	1683	1695
10	Asphalt & Concrete Paving Equipment	3863	3772	3672	3589	3489	3390	3323	3248	3189	3092	3106	2967	2867	2793	2730	2687	2687	2611	2583
15	Buckets	7191	7116	7038	6930	6888	6774	6672	6638	6663	6380	5901	5640	5314	4872	4767	4713	4640	4527	4471
20	Cranes, Draglines & Clamshells - Crawler & Truck Mtd	5563	5449	5343	5225	5116	5013	4880	4783	4736	4540	4298	4152	3967	3688	3595	3485	3395	3339	3282
25	Drills	3831	3763	3711	3621	3574	3518	3394	3320	3268	3196	3163	3069	2969	2807	2792	2786	2832	2803	2836
30	Generators	4557	4533	4530	4517	4483	4511	4457	4343	4294	4234	4181	4116	3998	3773	3575	3514	3510	3400	3314
35	Graders, Motor	6130	5971	5862	5683	5544	5466	5186	5088	4946	4655	4509	4359	4219	4010	3914	3759	3738	3645	3643
40	Loaders, Track	6125	6010	5918	5791	5687	5606	5434	5257	5068	4816	4677	4555	4404	4163	3918	3770	3767	3791	3792
45	Loaders, Wheel	5683	5582	5505	5404	5303	5251	5101	4988	4894	4758	4640	4532	4409	4235	4099	3991	3973	3944	3873
50	Pile Driving Equipment	5276	5178	5087	4991	4892	4809	4700	4598	4539	4427	4305	4182	4029	3845	3745	3668	3626	3570	3519
55	Rollers	5319	5237	5166	5091	5001	4950	4851	4719	4484	4460	4668	4630	4507	4412	4217	4151	4090	3926	3744
60	Scrapers & Soil Stabilizers	6130	5971	5862	5683	5544	5466	5186	5088	4946	4655	4509	4359	4219	4010	3914	3759	3738	3645	3643
65	Shovels, Backhoes & Hydraulic Excavators	5563	5449	5343	5225	5116	5013	4880	4783	4736	4540	4298	4152	3967	3688	3595	3485	3395	3339	3282
70	Tractors, Crawlers & Attachments	6125	6010	5918	5791	5687	5606	5434	5257	5068	4816	4677	4555	4404	4163	3918	3770	3767	3791	3792
75	Tractor, Wheel	4887	4826	4747	4698	4624	4540	4527	4484	4342	4270	4186	4123	4018	3936	3862	3820	3818	3656	3557
80	Trenchers	6411	6267	6121	6040	5832	5749	5670	5509	5207	5015	4948	4886	4753	4679	4600	4586	4488	4431	4360
85	Trucks, Highway	4101	4130	4184	4210	4241	4318	4293	4190	4025	3838	3669	3546	3495	3363	3299	3282	3139	3055	2934
90	Trucks & Wagons - Off-Highway	6025	5912	5807	5649	5581	5440	5265	4979	4837	4797	4739	4617	4405	4094	3915	3840	3822	3786	3744
95	All Other Equipment	5276	5178	5087	4991	4892	4809	4700	4598	4539	4427	4305	4182	4029	3845	3745	3668	3626	3570	3519
100	All Tires & Tubes	2400	2400	2400	2400	2431	2475	2559	2517	2525	2524	2506	2470	2480	2399	2322	2340	2374	2421	2453
105	Marine Equipment	5984	5844	5710	5513	5429	5245	5036	4951	4881	4679	4438	4271	4091	3920	3886	3863	3749	3633	3497

EK = ECONOMIC KEY

APPENDIX E. ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT

KEY		Note: Table 2-1 Equipment Rates are based on equipment purchased new in the year 1996																	
(EK)	EQUIPMENT DIVISIONS	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965
5	Air Equipment	1668	1563	1630	1521	1354	1295	1186	1165	1028	935	920	929	936	918	970	1000	992	954
10	Asphalt & Concrete Paving Equipment	2620	2461	2296	2111	1941	1815	1686	1610	1451	1304	1263	1235	1163	1091	1044	1000	963	931
15	Buckets	4541	4313	3879	3280	2963	2738	2520	2175	1838	1430	1370	1316	1188	1062	1025	1000	1000	1003
20	Cranes, Draglines & Clamshells - Crawler & Truck Mtd	3213	3009	2782	2512	2301	2138	2010	1843	1522	1305	1260	1212	1147	1090	1049	1000	967	930
25	Drills	2810	2602	2265	1993	1858	1699	1638	1559	1373	1249	1184	1160	1115	1052	1037	1000	993	971
30	Generators	3236	3160	2817	2390	2301	2128	2053	1839	1456	1316	1293	1243	1188	1089	1029	1000	947	924
35	Graders, Motor	3561	3276	2992	2687	2492	2259	2109	1956	1604	1361	1244	1208	1152	1101	1053	1000	975	951
40	Loaders, Track	3655	3349	3061	2750	2482	2247	2053	1916	1573	1329	1219	1184	1135	1100	1079	1000	956	936
45	Loaders, Wheel	3788	3441	2938	2606	2375	2156	2002	1907	1584	1362	1317	1261	1197	1144	NA	NA	NA	NA
50	Pile Driving Equipment	3439	3208	2894	2562	2329	2135	1989	1852	1523	1307	1257	1218	1159	1104	NA	NA	NA	NA
55	Rollers	3431	3199	2913	2653	2396	2139	1983	1872	1556	1328	1279	1230	1178	1082	1049	1000	962	936
60	Scrapers & Soil Stabilizers	3561	3276	2992	2687	2492	2259	2109	1956	1604	1361	1244	1208	1152	1101	1053	1000	975	951
65	Shovels, Backhoes & Hydraulic Excavators	3213	3009	2782	2512	2301	2138	2010	1843	1522	1305	1260	1212	1147	1090	1049	1000	967	930
70	Tractors, Crawlers & Attachments	3655	3349	3061	2750	2482	2247	2053	1916	1573	1329	1219	1184	1135	1100	1079	1000	956	936
75	Tractor, Wheel	3530	3256	2927	2578	2319	2125	1956	1843	1498	1288	1251	1211	1152	1109	1050	1000	962	927
80	Trenchers	4097	3618	3153	2772	2580	2300	1894	1633	1527	1384	1316	1284	1207	1113	1051	1000	990	961
85	Trucks, Highway	2824	2638	2324	2108	1934	1775	1646	1524	1369	1230	1211	1185	1114	1062	1033	1000	980	975
90	Trucks & Wagons - Off-Highway	3662	3363	2964	2588	2364	2196	2081	1965	1568	1315	1293	1245	1190	1135	NA	NA	NA	NA
95	All Other Equipment	3439	3208	2894	2562	2329	2135	1989	1852	1523	1307	1257	1218	1159	1104	1057	1000	965	936
100	All Tires & Tubes	2552	2506	2369	2055	1792	1699	1615	1485	1334	1114	NA	NA	NA	NA	NA	NA	NA	NA
105	Marine Equipment	3391	3239	2922	2587	2352	2156	2008	1870	1538	1320	1269	1230	1170	1115	1067	1000	974	945

EK = ECONOMIC KEY

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
LT TRUCK/RECREATIONAL VEHICLE, RADIAL						
WORKHORSE RADIAL			*(Life = 5000 hrs)*			
	(ABAA4)	800R165	8.00 x 16.50	8	TL	$104
	(ABAA1)	LT235/75R15	9.25 x 15.00	6	TL	$89
	(ABAA3)	LT265/75R16	10.40 x 16.00	6	TL	$116
	(ABAA2)	31-1050R15	10.50 x 15.00	6	TL	$108
WORKHORSE EXTRA GRIP RADIAL			*(Life = 5000 hrs)*			
	(ABAB1)	P215/70R14	8.40 x 14.00	S2	TL	$77
	(ABAB2)	P215/75R15	8.40 x 15.00	S2	TL	$79
	(ABAB4)	LT235/75R15	9.25 x 15.00	6	TL	$92
	(ABAB3)	31-1050R15	10.50 x 15.00	6	TL	$114
SERVICE TRAILER - MARATHON RADIAL			*(Life = 5000 hrs)*			
	(ABBF1)	ST175/80R13	6.90 x 13.00	4	TL	$56
	(ABBF2)	ST175/80R13	6.90 x 13.00	6	TL	$62
	(ABBF3)	ST185/80R13	7.30 x 13.00	6	TL	$66
	(ABBF4)	ST205/75R14	8.10 x 14.00	4	TL	$72
	(ABBF5)	ST205/75R14	8.10 x 14.00	6	TL	$80
	(ABBF7)	ST205/75R15	8.10 x 15.00	4	TL	$75
	(ABBF8)	ST205/75R15	8.10 x 15.00	6	TL	$83
	(ABBF6)	ST215/75R14	8.40 x 14.00	6	TL	$83
	(ABBF9)	ST225/75R15	8.80 x 15.00	6	TL	$93
	(ABBF10)	ST225/75R15	8.80 x 15.00	8	TL	$102
LT TRUCK/RECREATIONAL VEHICLE, BIAS						
WORKHORSE RIB			*(Life = 5000 hrs)*			
	(ACBA1)	700-15	7.00 x 15.00	6	TL	$73
	(ACBA2)	700-15	7.00 x 15.00	8	TL	$77
	(ACBA4)	750-16	7.50 x 16.00	10	TL	$90
	(ACBA3)	750-16	7.50 x 16.00	8	TL	$84
	(ACBA5)	800-165	8.00 x 16.50	8	TL	$80
	(ACBA7)	875-165	8.75 x 16.50	10	TL	$92
	(ACBA6)	875-165	8.75 x 16.50	8	TL	$84
	(ACBA9)	950-165	9.50 x 16.50	10	TL	$101
	(ACBA8)	950-165	9.50 x 16.50	8	TL	$92
SUPER HI-MILLER			*(Life = 5000 hrs)*			
	(ACBB1)	8/195	8.00 x 19.50	8	TL	$209
TRACTION HI-MILER			*(Life = 5000 hrs)*			
	(ACBC1)	670-15	6.70 x 15.00	6	TL	$72
	(ACBC2)	7-145	7.00 x 14.50	8	TL	$123

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
	(ACBC3)	8-145	8.00 x 14.50	12	TL	$150
	(ACBC4)	9-145	9.00 x 14.50	12	TL	$168
CUSTOM HI-MILER			***(Life = 5000 hrs)***			
	(ACBD1)	12-165	12.00 x 16.50	12	TL	$289
	(ACBD2)	14-175	14.00 x 17.50	10	TL	$553
CUSTOM XTRA GRIP HI-MILER			***(Life = 5000 hrs)***			
	(ACBE1)	750-16	7.50 x 16.00	8	TL	$166
	(ACBE2)	8-195	8.00 x 19.50	8	TL	$211
OVER-THE-ROAD TRUCK, COMMERCIAL, RADIAL						
COMMERICAL RADIAL LT TRUCK			***(Life = 5000 hrs)***			
	(ADCA2)	750R16	7.50 x 16.00	10	TL	$139
	(ADCA1)	750R16	7.50 x 16.00	8	TL	$134
	(ADCA14)	8R17.5LT	8.00 x 17.50	10	TL	$160
	(ADCA18)	8R19.5	8.00 x 19.50	12	TL	$155
	(ADCA17)	8R19.5	8.00 x 19.50	8	TL	$150
	(ADCA4)	LT215/85R16	8.40 x 16.00	10	TL	$139
	(ADCA3)	LT215/85R16	8.40 x 16.00	8	TL	$134
	(ADCA13)	875R16.5LT	8.75 x 16.50	10	TL	$147
	(ADCA12)	875R16.5	8.75 x 16.50	8	TL	$143
	(ADCA6)	LT225/75R16	8.85 x 16.00	10	TL	$140
	(ADCA5)	LT225/75R16	8.85 x 16.00	8	TL	$133
	(ADCA19)	225/70R19.5	8.85 x 19.50	12	TL	$173
	(ADCA8)	LT235/85R16	9.25 x 16.00	10	TL	$148
	(ADCA9)	LT235/85R16	9.25 x 16.00	14	TL	$164
	(ADCA7)	LT235/85R16	9.25 x 16.00	8	TL	$141
	(ADCA16)	950R16.5	9.50 x 16.50	10	TL	$169
	(ADCA15)	950R16.5	9.50 x 16.50	8	TL	$164
	(ADCA11)	LT245/75R16	9.65 x 16.00	10	TL	$148
	(ADCA10)	LT245/75R16	9.65 x 16.00	8	TL	$141
	(ADCA20)	245/70R19.5	9.65 x 19.50	12	TL	$207
	(ADCA21)	245/70R19.5	9.65 x 19.50	14	TL	$213
COMMERCIAL RADIAL TRUCK TL			***(Life = 5000 hrs)***			
	(ADCB1)	8.5R17.5	8.50 x 17.50	12	TL	$168
	(ADCB2)	9R17.5	9.00 x 17.50	16	TL	$147
	(ADCB5)	9R22.5	9.00 x 22.50	12	TL	$215
	(ADCB3)	10R17.5	10.00 x 17.50	16	TL	$190
	(ADCB6)	10R22.5	10.00 x 22.50	12	TL	$270
	(ADCB7)	10R22.5	10.00 x 22.50	14	TL	$281
	(ADCB4)	11R17.5	11.00 x 17.50	16	TL	$254
	(ADCB8)	11R22.5	11.00 x 22.50	14	TL	$304

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
	(ADCB9)	11R22.5	11.00 x 22.50	16	TL	$317
	(ADCB12)	11R24.5	11.00 x 24.50	14	TL	$384
	(ADCB13)	11R24.5	11.00 x 24.50	16	TL	$400
	(ADCB10)	12R22.5	12.00 x 22.50	16	TL	$381
	(ADCB14)	12R24.5	12.00 x 24.50	16	TL	$462
	(ADCB11)	13R22.5	13.00 x 22.50	18	TL	$467
LOW PROFILE RADIAL TRUCK TL			***(Life = 5000 hrs)***			
	(ADCC1)	215/75R17.5	8.40 x 17.50	16	TL	$166
	(ADCC5)	245/75R22.5	9.60 x 22.50	14	TL	$209
	(ADCC3)	255/70R22.5	10.00 x 22.50	16	TL	$251
	(ADCC2)	265/70R19.5	10.40 x 19.50	14	TL	$219
	(ADCC6)	265/75R22.5	10.40 x 22.50	14	TL	$254
	(ADCC4)	275/70R22.5	10.80 x 22.50	16	TL	$293
	(ADCC12)	285/75R24.5	11.20 x 24.50	14	TL	$320
	(ADCC7)	295/75R22.5	11.60 x 22.50	14	TL	$299
	(ADCC8)	295/75R22.5	11.60 x 22.50	16	TL	$337
	(ADCC9)	295/80R22.5	11.60 x 22.50	16	TL	$366
	(ADCC10)	315/80R22.5	12.40 x 22.50	18	TL	$436
	(ADCC11)	315/80R22.5	12.40 x 22.50	20	TL	$436
SUPER SINGLE COMMERCIAL RADIAL TRUCK			***(Life = 5000 hrs)***			
	(ADCD1)	385/65R22.5	15.10 x 22.50	18	NO	$509
	(ADCD2)	425/65R22.5	16.70 x 22.50	18	NO	$577
	(ADCD3)	445/65R22.5	17.50 x 22.50	20	NO	$651
COMMERCIAL RADIAL TRUCK TT			***(Life = 5000 hrs)***			
	(ADCE1)	8.25R15	8.25 x 15.00	14	TT	$200
	(ADCE2)	8.25R15	8.25 x 15.00	18	TT	$210
	(ADCE5)	8.25R20	8.25 x 20.00	12	TT	$201
	(ADCE6)	9.00R20	9.00 x 20.00	12	TT	$247
	(ADCE3)	10.00R15	10.00 x 15.00	14	TT	$256
	(ADCE4)	10.00R15	10.00 x 15.00	18	TT	$279
	(ADCE7)	10.00R20	10.00 x 20.00	14	TT	$274
	(ADCE8)	10.00R20	10.00 x 20.00	16	TT	$287
	(ADCE13)	10.00R22	10.00 x 22.00	14	TT	$316
	(ADCE12)	365/80R20	10.40 x 20.00	18	TT	$445
	(ADCE9)	11.00R20	11.00 x 20.00	14	TT	$331
	(ADCE10)	11.00R20	11.00 x 20.00	16	TT	$331
	(ADCE14)	11.00R22	11.00 x 22.00	16	TT	$416
	(ADCE15)	11.00R24	11.00 x 24.00	16	TT	$401
	(ADCE11)	12.00R20	12.00 x 20.00	18	TT	$407
	(ADCE17)	12.00R24	12.00 x 24.00	18	TT	$442
	(ADCE16)	14.00R20	14.00 x 20.00	20	TT	$546

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
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	$184
	(AEDA2)	11-22.5	11.00 x 22.50	12	TL	$255
	(AEDA3)	11-24.5	11.00 x 24.50	12	TL	$234
COMMERCIAL BIAS PLY TRUCK TT			*(Life = 5000 hrs)*			
	(AEDB1)	7.50-20	7.50 x 20.00	10	TT	$119
	(AEDB2)	8.25-20	8.25 x 20.00	10	TT	$141
	(AEDB3)	9.00-20	9.00 x 20.00	10	TT	$170
	(AEDB4)	9.00-20	9.00 x 20.00	12	TT	$188
	(AEDB5)	10.00-20	10.00 x 20.00	12	TT	$219
	(AEDB6)	10.00-20	10.00 x 20.00	14	TT	$250
	(AEDB7)	11.00-20	11.00 x 20.00	14	TT	$295
	(AEDB8)	12.00-20	12.00 x 20.00	14	TT	$389
	(AEDB9)	14.00-24	14.00 x 24.00	20	TT	$720
FARM, FRONT						
ALL SERVICE NON DIRECTIONAL			*(Life = 5000 hrs)*			
	(AFEA1)	40-19-195	19.00 x 19.50	14	TL	$719
AM IMPLEMENT			*(Life = 5000 hrs)*			
	(AFEB1)	100/80-12	3.90 x 12.00	6	TT	$175
	(AFEB3)	100/80-12	3.90 x 12.00	8	TL	$187
	(AFEB2)	125/80-18	4.90 x 18.00	10	TL	$313
DRILL RIB			*(Life = 5000 hrs)*			
	(AFEC1)	750-20	7.50 x 20.00	4	TL	$154
DYNA RIB F-2-M			*(Life = 5000 hrs)*			
	(AFED2)	1000-16	10.00 x 16.00	8	TL	$146
	(AFED1)	11L-15	11.00 x 15.00	6	TL	$132
	(AFED4)	1100-16	11.00 x 16.00	12	TL	$257
	(AFED3)	1100-16	11.00 x 16.00	8	TL	$178
	(AFED8)	1100-24	11.00 x 24.00	8	TL	$342
	(AFED6)	14L-161	14.00 x 16.10	10	TL	$319
	(AFED5)	14L-161	14.00 x 16.10	6	TL	$286
	(AFED7)	165L-161	16.50 x 16.10	8	TL	$402
SINGLE RIB FRONT TRACTOR F-1			*(Life = 5000 hrs)*			
	(AFEE1)	600-16	6.00 x 16.00	4	TT	$88
	(AFEE2)	750-16	7.50 x 16.00	6	TT	$130

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
FARM HIGHWAY SERVICE			*(Life = 5000 hrs)*			
	(AFEF1)	95L-15FI	9.50 x 15.00	6	TL	$81
	(AFEF2)	95L-15FI	9.50 x 15.00	8	TL	$85
	(AFEF5)	11L-15FI	11.00 x 15.00	12	TL	$115
	(AFEF3)	11L-15FI	11.00 x 15.00	6	TL	$90
	(AFEF4)	11L-15FI	11.00 x 15.00	8	TL	$95
	(AFEF7)	125L-15	12.50 x 15.00	12	TL	$165
	(AFEF6)	125L-15FI	12.50 x 15.00	8	TL	$131
FARM UTILITY			*(Life = 5000 hrs)*			
	(AFEG7)	750-14	7.50 x 14.00	4	TL	$61
	(AFEG12)	760-15	7.60 x 15.00	4	TL	$56
	(AFEG13)	760-15	7.60 x 15.00	6	TL	$58
	(AFEG2)	760-15	7.60 x 15.00	6	TT	$53
	(AFEG14)	760-15	7.60 x 15.00	8	TL	$59
	(AFEG8)	85L-14	8.50 x 14.00	6	TL	$63
	(AFEG9)	95L-14	9.50 x 14.00	6	TL	$65
	(AFEG1)	95L-14	9.50 x 14.00	8	TT	$63
	(AFEG17)	95L-15	9.50 x 15.00	12	TL	$91
	(AFEG15)	95L-15	9.50 x 15.00	6	TL	$66
	(AFEG16)	95L-15	9.50 x 15.00	8	TL	$70
	(AFEG3)	95L-15	9.50 x 15.00	8	TT	$63
	(AFEG18)	1000-15	10.00 x 15.00	8	TL	$111
	(AFEG10)	11L-14	11.00 x 14.00	6	TL	$85
	(AFEG11)	11L-14	11.00 x 14.00	8	TL	$93
	(AFEG21)	11L-15	11.00 x 15.00	10	TL	$94
	(AFEG22)	11L-15	11.00 x 15.00	12	TL	$110
	(AFEG19)	11L-15	11.00 x 15.00	6	TL	$67
	(AFEG20)	11L-15	11.00 x 15.00	8	TL	$69
	(AFEG4)	11L-15	11.00 x 15.00	8	TT	$63
	(AFEG34)	11L-16	11.00 x 16.00	10	TL	$127
	(AFEG33)	11L-16	11.00 x 16.00	8	TL	$111
	(AFEG24)	125L-15	12.50 x 15.00	10	TL	$111
	(AFEG6)	125L-15	12.50 x 15.00	10	TT	$99
	(AFEG25)	125L-15	12.50 x 15.00	12	TL	$129
	(AFEG23)	125L-15	12.50 x 15.00	8	TL	$95
	(AFEG5)	125L-15	12.50 x 15.00	8	TT	$86
	(AFEG30)	125L-16	12.50 x 16.00	12	TL	$167
	(AFEG29)	125L-16	12.50 x 16.00	8	TL	$140
	(AFEG28)	14L-161	14.00 x 16.10	6	TL	$220
	(AFEG31)	165L-161	16.50 x 16.10	10	TL	$272
	(AFEG32)	19L-161	19.00 x 16.10	10	TL	$371
	(AFEG26)	215L-161	21.50 x 16.10	10	TL	$386

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
	(AFEG27)	215L-161	21.50 x 16.10	14	TL	$475
FOUR RIB FRONT TRACTOR F-2-M			*(Life = 5000 hrs)*			
	(AFEH1)	750-16	7.50 x 16.00	6	TT	$80
	(AFEH2)	1000-16	10.00 x 16.00	6	TT	$115
	(AFEH3)	1000-16	10.00 x 16.00	8	TT	$118
	(AFEH4)	1100-16	11.00 x 16.00	8	TT	$142
HI-MILER M SS			*(Life = 5000 hrs)*			
	(AFEJ2)	36-16-175	16.00 x 17.50	10	TL	$485
	(AFEJ1)	36-16-175	16.00 x 17.50	8	TL	$441
IMPLEMENT RIB			*(Life = 5000 hrs)*			
	(AFEK1)	400-09	4.00 x 9.00	4	TT	$31
	(AFEK2)	400-12	4.00 x 12.00	4	TT	$35
	(AFEK11)	400-18	4.00 x 18.00	4	TT	$53
	(AFEK15)	500-15	5.00 x 15.00	4	TL	$53
	(AFEK4)	500-15	5.00 x 15.00	4	TT	$53
	(AFEK16)	590-15	5.90 x 15.00	4	TL	$63
	(AFEK6)	600-16	6.00 x 16.00	6	TT	$67
	(AFEK7)	650-16	6.50 x 16.00	6	TT	$66
	(AFEK17)	670-15	6.70 x 15.00	4	TL	$70
	(AFEK5)	670-15	6.70 x 15.00	6	TT	$64
	(AFEK9)	750-16	7.50 x 16.00	10	TT	$102
	(AFEK8)	750-16	7.50 x 16.00	6	TT	$84
	(AFEK12)	750-18	7.50 x 18.00	6	TT	$94
	(AFEK19)	750-20	7.50 x 20.00	6	TL	$117
	(AFEK3)	900-10	9.00 x 10.00	4	TT	$78
	(AFEK10)	900-16	9.00 x 16.00	10	TT	$115
	(AFEK18)	900-24	9.00 x 24.00	8	TL	$246
	(AFEK13)	900-24	9.00 x 24.00	8	TT	$210
	(AFEK14)	1125-28	11.25 x 28.00	12	TT	$431
LABORER F-3			*(Life = 5000 hrs)*			
	(AFEL6)	145/75-161	5.70 x 16.10	10	TL	$360
	(AFEL3)	800-16	8.00 x 16.00	10	TL	$132
	(AFEL2)	11L-15	11.00 x 15.00	10	TL	$123
	(AFEL1)	11L-15	11.00 x 15.00	8	TL	$102
	(AFEL4)	11L-16	11.00 x 16.00	10	TL	$126
	(AFEL5)	11L-16	11.00 x 16.00	12	TL	$148
MULTI-RIB F-3			*(Life = 5000 hrs)*			
	(AFEM1)	900-10	9.00 x 10.00	10	TT	$124
	(AFEM2)	1100-16	11.00 x 16.00	12	TL	$249

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
SMOOTH			*(Life = 5000 hrs)*			
	(AFEN2)	11L-15	11.00 x 15.00	10	TL	$100
	(AFEN3)	11L-15	11.00 x 15.00	12	TL	$124
	(AFEN1)	169-30	16.90 x 30.00	6	TL	$974
SMOOTH IMP			*(Life = 5000 hrs)*			
	(AFEO1)	400-8	4.00 x 8.00	4	TL	$33
SOFTRAC II			*(Life = 5000 hrs)*			
	(AFEP1)	165L-161	16.50 x 16.10	6	TL	$411
	(AFEP3)	215L-161	21.50 x 16.10	10	TL	$756
	(AFEP2)	215L-161	21.50 x 16.10	6	TL	$630
SUPER FLOATATION			*(Life = 5000 hrs)*			
	(AFEQ1)	130/65-18	5.10 x 18.00	12	TL	$523
SUPER RIB F-2			*(Life = 5000 hrs)*			
	(AFER1)	400-12	4.00 x 12.00	4	TL	$48
	(AFER2)	95L-15	9.50 x 15.00	6	TL	$112
SUPER SURE GRIP G-1			*(Life = 5000 hrs)*			
	(AFES4)	33831	x	2	TL	$99
	(AFES3)	33831	x	2	TL	$102
	(AFES1)	33800	x	2	TT	$65
	(AFES2)	33735	x	4	TL	$46
SURE GRIP IMPLEMENT			*(Life = 5000 hrs)*			
	(AFET1)	105/80-18	4.10 x 18.00	10	TL	$354
	(AFET2)	125/80-18	4.90 x 18.00	10	TL	$347
SURE GRIP LUG			*(Life = 5000 hrs)*			
	(AFEU2)	105/80-18	10.50 x 18.00	10	TL	$263
	(AFEU1)	124-16	12.40 x 16.00	4	TL	$225
	(AFEU3)	125/80-18	12.50 x 18.00	10	TL	$354
SURE GRIP TRACTION			*(Life = 5000 hrs)*			
	(AFEV1)	670-15	6.70 x 15.00	4	TT	$65
	(AFEV5)	750-16	7.50 x 16.00	4	TL	$89
	(AFEV2)	750-18	7.50 x 18.00	4	TT	$90
	(AFEV3)	750-20	7.50 x 20.00	4	TT	$148
	(AFEV4)	760-15	7.60 x 15.00	6	TL	$76
	(AFEV7)	125L-15	12.50 x 15.00	12	TL	$187
	(AFEV6)	125L-15	12.50 x 15.00	UK	TL	$152
	(AFEV8)	165L-161	16.50 x 16.10	UK	TL	$340
	(AFEV10)	215L-161	21.50 x 16.10	12	TL	$655
	(AFEV9)	215L-161	21.50 x 16.10	8	TL	$527

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
TRACTION IMPLEMENT			*(Life = 5000 hrs)*			
	(AFEW1)	500-15	5.00 x 15.00	4	NO	$65
	(AFEW2)	590-15	5.90 x 15.00	4	NO	$69
TRIPLE RIB HD			*(Life = 5000 hrs)*			
	(AFEX7)	550-16	5.50 x 16.00	4	TT	$53
	(AFEX8)	550-16	5.50 x 16.00	6	TT	$56
	(AFEX9)	600-16	6.00 x 16.00	4	TT	$54
	(AFEX10)	600-16	6.00 x 16.00	6	TT	$62
	(AFEX11)	650-16	6.50 x 16.00	6	TT	$69
	(AFEX4)	75L-15	7.50 x 15.00	6	TT	$68
	(AFEX12)	750-16	7.50 x 16.00	6	TT	$84
	(AFEX13)	750-16	7.50 x 16.00	8	TT	$88
	(AFEX14)	750-18	7.50 x 18.00	6	TT	$97
	(AFEX5)	95L-15	9.50 x 15.00	8	TT	$85
	(AFEX15)	1000-16	10.00 x 16.00	6	TL	$116
	(AFEX1)	1000-16	10.00 x 16.00	6	TT	$113
	(AFEX16)	1000-16	10.00 x 16.00	8	TL	$120
	(AFEX2)	1000-16	10.00 x 16.00	8	TT	$117
	(AFEX6)	11L-15	11.00 x 15.00	8	TT	$118
	(AFEX17)	1100-16	11.00 x 16.00	8	TL	$137
	(AFEX3)	1100-16	11.00 x 16.00	8	TT	$133
TRIPLE RIB R/S F-2			*(Life = 5000 hrs)*			
	(AFEY2)	400-19	4.00 x 19.00	4	TT	$46
	(AFEY1)	500-15	5.00 x 15.00	4	TT	$45
FARM, REAR						
ALL TRACTION R-3			*(Life = 5000 hrs)*			
	(AGFA1)	750-16	7.50 x 16.00	4	TT	$136
ALL WEATHER R-3			*(Life = 5000 hrs)*			
	(AGFB2)	95-24	9.50 x 24.00	4	TT	$217
	(AGFB1)	124-16	12.40 x 16.00	12	TT	$328
	(AGFB6)	124-16	12.40 x 16.00	8	TL	$266
	(AGFB7)	136-161	13.60 x 16.10	8	TL	$483
	(AGFB5)	136-28	13.60 x 28.00	6	TT	$424
	(AGFB3)	149-24	14.90 x 24.00	6	TT	$394
	(AGFB4)	169-24	16.90 x 24.00	6	TT	$541
	(AGFB8)	184-161	18.40 x 16.10	8	TL	$645
	(AGFB10)	184-26	18.40 x 26.00	10	TL	$684
	(AGFB9)	184-26	18.40 x 26.00	6	TL	$518
	(AGFB11)	231-26	23.10 x 26.00	10	TL	$865

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
	(AGFB12)	231-26	23.10 x 26.00	12	TL	$968
	(AGFB14)	245-32	24.50 x 32.00	12	TL	$1,620
	(AGFB13)	28L-26	28.00 x 26.00	12	TL	$1,457
	(AGFB15)	305L-32	30.50 x 32.00	12	TL	$2,357
	(AGFB16)	305L-32	30.50 x 32.00	24	TL	$4,107
DT 710 RADIAL			***(Life = 5000 hrs)***			
	(AGFC1)	320/75R24	12.60 x 24.00	X1	TL	$359
	(AGFC3)	136R28	13.60 x 28.00	X1	TL	$424
	(AGFC12)	136R28	13.60 x 28.00	X3	TL	$481
	(AGFC2)	149R24	14.90 x 24.00	X1	TL	$443
	(AGFC11)	149R24	14.90 x 24.00	X3	TL	$555
	(AGFC4)	149R28	14.90 x 28.00	X1	TL	$457
	(AGFC13)	149R28	14.90 x 28.00	X3	TL	$582
	(AGFC9)	155R38	15.50 x 38.00	X1	TL	$530
	(AGFC5)	169R28	16.90 x 28.00	X1	TL	$496
	(AGFC14)	169R28	16.90 x 28.00	X2	TL	$731
	(AGFC6)	169R30	16.90 x 30.00	X1	TL	$515
	(AGFC7)	184R30	18.40 x 30.00	X1	TL	$640
	(AGFC8)	184R34	18.40 x 34.00	X1	TL	$655
	(AGFC10)	184R38	18.40 x 38.00	X1	TL	$824
DT 730 RADIAL			***(Life = 5000 hrs)***			
	(AGFD1)	290/95R34	11.40 x 34.00	UK	TL	$651
DT 800 RADIAL			***(Life = 5000 hrs)***			
	(AGFE1)	320/90R42	12.60 x 42.00	UK	TL	$836
	(AGFE3)	320/90R50	12.60 x 50.00	UK	TL	$1,107
	(AGFE2)	380/90R46	14.90 x 46.00	UK	TL	$1,152
DT 810 RADIAL			***(Life = 5000 hrs)***			
	(AGFF1)	380/70R24	14.90 x 24.00	UK	TL	$712
	(AGFF2)	420/70R28	16.50 x 28.00	UK	TL	$883
	(AGFF3)	480/70R30	18.90 x 30.00	UK	TL	$1,023
	(AGFF4)	520/70R30	20.50 x 30.00	UK	TL	$1,143
DT 820 RADIAL			***(Life = 5000 hrs)***			
	(AGFG2)	600/65R28	23.60 x 28.00	UK	TL	$1,471
	(AGFG1)	620/75R26	24.40 x 26.00	UK	TL	$1,795
	(AGFG5)	620/70R42	24.40 x 42.00	UK	TL	$1,750
	(AGFG3)	650/75R34	25.60 x 34.00	UK	TL	$1,706
	(AGFG4)	710/70R38	27.90 x 38.00	UK	TL	$2,224
DYNA TORQUE RADIAL R-1			***(Life = 5000 hrs)***			
	(AGFH5)	320/85R34	12.60 x 34.00	UK	TL	$699
	(AGFH7)	149R30	14.90 x 30.00	X3	TL	$752

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
	(AGFH9)	149R34	14.90 x 34.00	X3	TL	$822
	(AGFH15)	149R46	14.90 x 46.00	X3	TL	$923
	(AGFH6)	385/85R34	15.10 x 34.00	UK	TL	$822
	(AGFH16)	420/80R46	16.50 x 46.00	UK	TL	$1,183
	(AGFH1)	169R25	16.90 x 25.00	X2	TL	$767
	(AGFH8)	169R30	16.90 x 30.00	X3	TL	$834
	(AGFH2)	184R26	18.40 x 26.00	X2	TL	$954
	(AGFH10)	184R38	18.40 x 38.00	X1	TL	$781
	(AGFH13)	184R42	18.40 x 42.00	X2	TL	$999
	(AGFH17)	184R46	18.40 x 46.00	X3	TL	$1,325
	(AGFH11)	208R38	20.80 x 38.00	X1	TL	$1,029
	(AGFH12)	208R38	20.80 x 38.00	X2	TL	$1,221
	(AGFH14)	208R42	20.80 x 42.00	X2	TL	$1,402
	(AGFH3)	245R32	24.50 x 32.00	X3	TL	$1,488
	(AGFH4)	305LR32	30.50 x 32.00	X1	TL	$1,914
DYNA TORQUE / DYNA TORQUE II R-1			***(Life = 5000 hrs)***			
	(AGFJ28)	7-14	7.00 x 14.00	4	TL	$102
	(AGFJ1)	95-24	9.50 x 24.00	6	TT	$203
	(AGFJ29)	112-16	11.20 x 16.00	4	TL	$171
	(AGFJ2)	112-24	11.20 x 24.00	4	TT	$195
	(AGFJ3)	112-24	11.20 x 24.00	8	TT	$257
	(AGFJ10)	112-28	11.20 x 28.00	4	TT	$238
	(AGFJ4)	124-24	12.40 x 24.00	4	TT	$249
	(AGFJ30)	124-24	12.40 x 24.00	6	TL	$310
	(AGFJ5)	124-24	12.40 x 24.00	8	TT	$310
	(AGFJ38)	124-38	12.40 x 38.00	10	TL	$475
	(AGFJ6)	136-24	13.60 x 24.00	8	TT	$329
	(AGFJ41)	136-28	13.60 x 28.00	10	TL	$419
	(AGFJ11)	136-28	13.60 x 28.00	6	TT	$322
	(AGFJ21)	136-38	13.60 x 38.00	6	TT	$355
	(AGFJ7)	149-24	14.90 x 24.00	6	TT	$326
	(AGFJ31)	149-24	14.90 x 24.00	8	TL	$355
	(AGFJ42)	149-28	14.90 x 28.00	10	TL	$543
	(AGFJ12)	149-28	14.90 x 28.00	6	TT	$338
	(AGFJ22)	155-38	15.50 x 38.00	6	TT	$374
	(AGFJ8)	169-24	16.90 x 24.00	6	TT	$371
	(AGFJ39)	169-26	16.90 x 26.00	10	TL	$759
	(AGFJ43)	169-28	16.90 x 28.00	10	TL	$624
	(AGFJ44)	169-30	16.90 x 30.00	10	TL	$570
	(AGFJ14)	169-30	16.90 x 30.00	6	TT	$440
	(AGFJ37)	169-34	16.90 x 34.00	10	TL	$659
	(AGFJ17)	169-34	16.90 x 34.00	6	TT	$507
	(AGFJ23)	169-38	16.90 x 38.00	14	TT	$827

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
	(AGFJ40)	184-26	18.40 x 26.00	10	TL	$648
	(AGFJ32)	184-26	18.40 x 26.00	6	TL	$508
	(AGFJ9)	184-26	18.40 x 26.00	6	TT	$466
	(AGFJ13)	184-28	18.40 x 28.00	6	TT	$471
	(AGFJ15)	184-30	18.40 x 30.00	8	TT	$564
	(AGFJ18)	184-34	18.40 x 34.00	8	TT	$583
	(AGFJ24)	184-38	18.40 x 38.00	8	TT	$599
	(AGFJ26)	184-42	18.40 x 42.00	10	TT	$1,021
	(AGFJ19)	208-34	20.80 x 34.00	14	TT	$996
	(AGFJ25)	208-38	20.80 x 38.00	8	TT	$778
	(AGFJ27)	208-42	20.80 x 42.00	10	TT	$1,247
	(AGFJ33)	231-26	23.10 x 26.00	12	TL	$1,161
	(AGFJ45)	231-26	23.10 x 26.00	8	TL	$818
	(AGFJ16)	231-30	23.10 x 30.00	8	TT	$865
	(AGFJ20)	231-34	23.10 x 34.00	8	TT	$1,254
	(AGFJ35)	245-32	24.50 x 32.00	12	TL	$1,400
	(AGFJ34)	28L-26	28.00 x 26.00	12	TL	$1,463
	(AGFJ36)	305L-32	30.50 x 32.00	14	TL	$1,971
INDUSTRIAL SURE GRIP R-4			***(Life = 5000 hrs)***			
	(AGFK1)	149-28	14.90 x 28.00	8	TT	$375
	(AGFK3)	184-28	18.40 x 28.00	12	TL	$822
	(AGFK2)	184-28	18.40 x 28.00	8	TT	$614
IT510 R4			***(Life = 5000 hrs)***			
	(AGFL1)	335/80R18	13.20 x 18.00	UK	TL	$579
	(AGFL4)	169R28	16.90 x 28.00	UK	TL	$665
	(AGFL2)	175LR24	17.50 x 24.00	UK	TL	$721
	(AGFL3)	195LR24	19.50 x 24.00	UK	TL	$827
IT525 R4			***(Life = 5000 hrs)***			
	(AGFM2)	149-24	14.90 x 24.00	12	TL	$462
	(AGFM1)	149-24	14.90 x 24.00	6	TL	$316
	(AGFM4)	169-24	16.90 x 24.00	10	TL	$459
	(AGFM3)	169-24	16.90 x 24.00	6	TL	$398
	(AGFM12)	169-28	16.90 x 28.00	10	TL	$636
	(AGFM6)	175L-24	17.50 x 24.00	10	TL	$459
	(AGFM5)	184-24	18.40 x 24.00	12	TL	$801
	(AGFM8)	195L-24	19.50 x 24.00	12	TL	$730
	(AGFM7)	195L-24	19.50 x 24.00	8	TL	$582
	(AGFM9)	21L-24	21.00 x 24.00	10	TL	$892
	(AGFM10)	21L-24	21.00 x 24.00	12	TL	$953
	(AGFM11)	21L-24	21.00 x 24.00	16	TL	$1,275
	(AGFM13)	21L-28	21.00 x 28.00	10	TL	$995

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
	(AGFM14)	21L-28	21.00 x 28.00	14	TL	$1,079
POWER TORQUE R-1			*(Life = 5000 hrs)*			
	(AGFN1)	6-12	6.00 x 12.00	4	TL	$52
	(AGFN2)	72-16	7.20 x 16.00	4	TL	$127
	(AGFN3)	83-16	8.30 x 16.00	4	TL	$134
	(AGFN4)	83-16	8.30 x 16.00	6	TL	$142
	(AGFN5)	95-16	9.50 x 16.00	6	TL	$181
SPECIAL SURE GRIP R-2-0			*(Life = 5000 hrs)*			
	(AGFO1)	136-38	13.60 x 38.00	6	TT	$523
	(AGFO2)	149-24	14.90 x 24.00	6	TT	$512
	(AGFO11)	184-26	18.40 x 26.00	10	TL	$759
	(AGFO5)	184-30	18.40 x 30.00	6	TT	$688
	(AGFO7)	184-38	18.40 x 38.00	6	TT	$784
	(AGFO8)	184-38	18.40 x 38.00	8	TT	$946
	(AGFO12)	VA500/95D32	19.70 x 32.00	20	TL	$1,725
	(AGFO10)	208-38	20.80 x 38.00	10	TT	$1,288
	(AGFO9)	208-38	20.80 x 38.00	8	TT	$1,097
	(AGFO3)	231-26	23.10 x 26.00	10	TT	$1,087
	(AGFO4)	28L-26	28.00 x 26.00	12	TT	$1,340
	(AGFO6)	305L-32	30.50 x 32.00	12	TT	$1,916
SPECIAL SURE GRIP RADIAL R-2-0			*(Life = 5000 hrs)*			
	(AGFP8)	320/90R46	12.60 x 46.00	X3	TL	$924
	(AGFP9)	340/85R46	13.40 x 46.00	UK	TL	$971
	(AGFP1)	169R28	16.90 x 28.00	X2	TL	$953
	(AGFP2)	169R30	16.90 x 30.00	X3	TL	$948
	(AGFP3)	184R38	18.40 x 38.00	X1	TL	$1,053
	(AGFP5)	184R42	18.40 x 42.00	X2	TL	$1,232
	(AGFP7)	184R46	18.40 x 46.00	X3	TL	$1,361
	(AGFP4)	208R38	20.80 x 38.00	X2	TL	$1,359
	(AGFP6)	208R42	20.80 x 42.00	X2	TL	$1,428
SUPER TRACTION RADIAL R-1			*(Life = 5000 hrs)*			
	(AGFQ1)	250/80R18	9.80 x 18.00	UK	TL	$501
	(AGFQ3)	260/80R20	10.20 x 20.00	UK	TL	$459
	(AGFQ2)	112R20	11.20 x 20.00	UK	TL	$456
	(AGFQ6)	136R28	13.60 x 28.00	UK	TL	$597
	(AGFQ15)	136R38	13.60 x 38.00	UK	TL	$818
	(AGFQ20)	149R24	14.90 x 24.00	UK	TT	$712
	(AGFQ7)	149R28	14.90 x 28.00	UK	TL	$747
	(AGFQ9)	149R30	14.90 x 30.00	UK	TL	$776
	(AGFQ4)	169R24	16.90 x 24.00	UK	TL	$786
	(AGFQ5)	169R26	16.90 x 26.00	X2	TL	$846

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
	(AGFQ8)	169R28	16.90 x 28.00	UK	TL	$841
	(AGFQ10)	169R30	16.90 x 30.00	UK	TL	$903
	(AGFQ21)	169R34	16.90 x 34.00	X2	TT	$951
	(AGFQ22)	169R38	16.90 x 38.00	X2	TT	$966
	(AGFQ11)	184R26	18.40 x 26.00	UK	TL	$912
	(AGFQ12)	184R30	18.40 x 30.00	UK	TL	$994
	(AGFQ14)	184R34	18.40 x 34.00	UK	TL	$1,007
	(AGFQ16)	184R38	18.40 x 38.00	UK	TL	$901
	(AGFQ18)	184R42	18.40 x 42.00	UK	TL	$1,216
	(AGFQ17)	208R38	20.80 x 38.00	UK	TL	$1,211
	(AGFQ19)	208R42	20.80 x 42.00	UK	TL	$1,400
	(AGFQ13)	800/65R32	31.50 x 32.00	UK	TL	$2,157
SURE GRIP ALL SERVICE R-1			***(Life = 5000 hrs)***			
	(AGFR1)	95-20	9.50 x 20.00	6	TL	$205
TRACTION IRRIGATION 3			***(Life = 5000 hrs)***			
	(AGFS1)	112-24	11.20 x 24.00	4	NO	$139
	(AGFS3)	112-38	11.20 x 38.00	4	NO	$243
	(AGFS2)	149-24	14.90 x 24.00	4	NO	$202
TRACTION SURE GRIP R-1			***(Life = 5000 hrs)***			
	(AGFT1)	72-30	7.20 x 30.00	2	TT	$207
	(AGFT3)	95-42	9.50 x 42.00	6	TL	$379
	(AGFT2)	184-161	18.40 x 16.10	6	TL	$445
TRACTION TORQUE R-1			***(Life = 5000 hrs)***			
	(AGFU4)	112-38	11.20 x 38.00	4	TT	$324
	(AGFU1)	149-28	14.90 x 28.00	6	TT	$294
	(AGFU2)	169-30	16.90 x 30.00	6	TT	$334
	(AGFU3)	184-30	18.40 x 30.00	6	TT	$420
	(AGFU5)	184-38	18.40 x 38.00	8	TT	$538
FARM, TERRA - 20" UP						
SFT105			***(Life = 5000 hrs)***			
	(AHGA1)	54-3100-26	31.00 x 26.00	4	TL	$2,409
	(AHGA2)	54-3100-26	31.00 x 26.00	6	TL	$2,575
SOF TRAC			***(Life = 5000 hrs)***			
	(AHGB2)	41-1400-20	14.00 x 20.00	4	TL	$441
	(AHGB1)	44-1800-20	18.00 x 20.00	4	TL	$519
SUPER TERRA GRIP			***(Life = 5000 hrs)***			
	(AHGC1)	38-1400-20	14.00 x 20.00	8	TL	$433
	(AHGC4)	48-2500-20	25.00 x 20.00	10	TL	$2,176

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
	(AHGC3)	48-2500-20	25.00 x 20.00	6	TL	$1,806
	(AHGC2)	42-2500-20	25.00 x 20.00	8	TL	$1,789
	(AHGC5)	48-3100-20	31.00 x 20.00	10	TL	$2,176
	(AHGC6)	48-3100-20	31.00 x 20.00	12	TL	$2,421
	(AHGC7)	54-3100-26	31.00 x 26.00	6	TL	$2,575
	(AHGC12)	67-3400-25	34.00 x 25.00	10	TL	$3,289
	(AHGC10)	66-4300-25	43.00 x 25.00	10	TL	$3,438
	(AHGC11)	66-4300-25	43.00 x 25.00	20	TL	$4,595
	(AHGC8)	66-4300-25	43.00 x 25.00	6	TL	$2,968
	(AHGC9)	66-4300-25	43.00 x 25.00	8	TL	$3,201
SUPER TERRA GRIP XT			***(Life = 5000 hrs)***			
	(AHGD3)	48-2500-20	25.00 x 20.00	10	TL	$2,350
	(AHGD1)	42-2500-20	25.00 x 20.00	12	TL	$2,143
	(AHGD2)	48-2500-20	25.00 x 20.00	6	TL	$2,004
	(AHGD4)	48-3100-20	31.00 x 20.00	10	TL	$2,372
	(AHGD5)	48-3100-20	31.00 x 20.00	12	TL	$2,646
	(AHGD6)	66-4300-25	43.00 x 25.00	10	TL	$3,756
	(AHGD7)	73-4400-32	44.00 x 32.00	12	TL	$5,512
CUSTOM FLO GRIP			***(Life = 5000 hrs)***			
	(AHGE2)	67-3400-25	34.00 x 25.00	14	TL	$4,579
	(AHGE1)	67-3400-30	34.00 x 30.00	12	TL	$3,764
TUNDRA GRIP			***(Life = 5000 hrs)***			
	(AHGF2)	66-4400-25	44.00 x 25.00	16	TL	$4,256
	(AHGF1)	66-4400-25	44.00 x 25.00	6	TL	$2,877
SMOOTH TERRA			***(Life = 5000 hrs)***			
	(AHGG1)	44-4100-20	41.00 x 20.00	10	TL	$2,649
STEELGARD SUPER TERRA GRIP			***(Life = 5000 hrs)***			
	(AHGH1)	66-4300-25	43.00 x 25.00	12	TL	$4,318
STEELGARD CUSTOM FLO GRIP			***(Life = 5000 hrs)***			
	(AHGJ1)	67-3400-25	34.00 x 25.00	10	TL	$4,088
	(AHGJ2)	67-3400-25	34.00 x 25.00	14	TL	$4,473
STEELGARD SUPER TERRA GRIP XT			***(Life = 5000 hrs)***			
	(AHGK1)	42-2500-20	25.00 x 20.00	12	TL	$2,534
	(AHGK2)	66-4300-26	43.00 x 26.00	12	TL	$5,156
	(AHGK3)	73-4400-32	44.00 x 32.00	16	TL	$7,459
FARM SPECIALTY						
SFT105			***(Life = 5000 hrs)***			
	(AJHA1)	33-1250-15	12.50 x 15.00	4	TL	$283

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
SOFTRAC			*(Life = 5000 hrs)*			
	(AJHB2)	18-650-8	6.50 x 8.00	4	TL	$39
	(AJHB3)	18-850-8	8.50 x 8.00	6	TL	$46
	(AJHB1)	25-850-14	8.50 x 14.00	6	TL	$108
	(AJHB5)	27-850-15	8.50 x 15.00	4	TL	$106
	(AJHB4)	25-1050-15	10.50 x 15.00	4	TL	$123
	(AJHB6)	27-1050-15	10.50 x 15.00	4	TL	$131
	(AJHB7)	29-1250-15	12.50 x 15.00	4	TL	$169
	(AJHB10)	31-1250-15	12.50 x 15.00	4	TL	$175
	(AJHB11)	33-1250-15	12.50 x 15.00	4	TL	$217
	(AJHB8)	31-1350-15	13.50 x 15.00	4	TL	$211
	(AJHB12)	36-1350-15	13.50 x 15.00	4	TL	$329
	(AJHB9)	31-1550-15	15.50 x 15.00	4	TL	$229
SUPER TERRA GRIP			*(Life = 5000 hrs)*			
	(AJHC1)	27-850-15	8.50 x 15.00	4	TL	$99
	(AJHC2)	29-1250-15	12.50 x 15.00	4	TL	$177
	(AJHC3)	29-1250-15	12.50 x 15.00	6	TL	$195
	(AJHC4)	29-1250-15	12.50 x 15.00	8	TL	$209
	(AJHC5)	31-1550-15	15.50 x 15.00	4	TL	$229
	(AJHC6)	31-1550-15	15.50 x 15.00	8	TL	$306
	(AJHC7)	38-2000-16	20.00 x 16.00	UK	TL	$727
SURE GRIP LUG			*(Life = 5000 hrs)*			
	(AJHD8)	27-850-15	8.50 x 15.00	4	TL	$111
	(AJHD9)	27-850-15	8.50 x 15.00	6	TL	$124
	(AJHD1)	10-165	10.00 x 16.50	6	NO	$122
	(AJHD10)	27-1050-15	10.50 x 15.00	6	TL	$148
	(AJHD4)	12-165	12.00 x 16.50	10	NO	$227
	(AJHD2)	12-165	12.00 x 16.50	6	NO	$175
	(AJHD3)	12-165	12.00 x 16.50	8	NO	$191
	(AJHD5)	14-175	14.00 x 17.50	10	NO	$542
	(AJHD7)	15-195	15.00 x 19.50	12	NO	$646
	(AJHD6)	15-195	15.00 x 19.50	8	NO	$588
ULTRA GRIP LUG			*(Life = 5000 hrs)*			
	(AJHE1)	10-165	10.00 x 16.50	8	NO	$140
	(AJHE3)	12-165	12.00 x 16.50	10	NO	$238
	(AJHE2)	12-165	12.00 x 16.50	8	NO	$199
	(AJHE4)	31-1550-15	15.50 x 15.00	8	NO	$337
XTRA TRAC			*(Life = 5000 hrs)*			
	(AJHF3)	29-1250-15	12.50 x 15.00	4	TL	$156
	(AJHF1)	31-1550-15	15.50 x 15.00	4	NO	$182

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
	(AJHF2)	31-1550-15	15.50 x 15.00	8	NO	$323
DOUBLE EAGLE			*(Life = 5000 hrs)*			
	(AJHG1)	205-50-10	5.00 x 10.00	4	NO	$51
POWER RIB			*(Life = 5000 hrs)*			
	(AJHJ1)	18-850-8	8.50 x 8.00	4	TL	$33
	(AJHJ2)	20-1000-10	10.00 x 10.00	4	TL	$76
RALLY			*(Life = 5000 hrs)*			
	(AJHK1)	480-8	4.80 x 8.00	4	NO	$74
	(AJHK2)	18-950-8	9.50 x 8.00	4	NO	$118
RIB TERRA			*(Life = 5000 hrs)*			
	(AJHL1)	18-850-8	8.50 x 8.00	4	TL	$33
TERRA RIB			*(Life = 5000 hrs)*			
	(AJHM1)	25-750-15	7.50 x 15.00	4	TL	$86
	(AJHM2)	25-750-15	7.50 x 15.00	6	TL	$99
	(AJHM4)	27-950-15	9.50 x 15.00	10	TL	$177
	(AJHM3)	27-950-15	9.50 x 15.00	6	TL	$135
	(AJHM5)	31-1350-15	13.50 x 15.00	6	TL	$211
	(AJHM6)	31-1350-15	13.50 x 15.00	8	TL	$230
ATT			*(Life = 5000 hrs)*			
	(AJHN1)	AT21-7-10	7.00 x 10.00	01	TL	$41
	(AJHN3)	AT23-8-11	8.00 x 11.00	X2	TL	$51
	(AJHN2)	AT22-9-8	9.00 x 8.00	01	TL	$51
	(AJHN5)	AT24-9-11	9.00 x 11.00	X1	TL	$54
	(AJHN4)	AT25-11-9	11.00 x 9.00	X1	TL	$54
COMPASS TERRA			*(Life = 5000 hrs)*			
	(AJHO1)	21-1100-8	11.00 x 8.00	00	TL	$58
RAWHIDE III			*(Life = 5000 hrs)*			
	(AJHP1)	22-1100-8	11.00 x 8.00	2	NO	$58
	(AJHP2)	25-1200-9	12.00 x 9.00	2	NO	$80
	(AJHP3)	25-1200-9	12.00 x 9.00	UK	NO	$85
RAWHIDE TERRA			*(Life = 5000 hrs)*			
	(AJHQ1)	21-1100-8	11.00 x 8.00	00	TL	$58
RUNAMUCK			*(Life = 5000 hrs)*			
	(AJHR1)	22-1000-8	10.00 x 8.00	01	NO	$69
SMOOTH TERRA			*(Life = 5000 hrs)*			
	(AJHS1)	18-950-8	9.50 x 8.00	2	TL	$44

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
TRACKER ATT			*(Life = 5000 hrs)*			
	(AJHT1)	AT24-8-11	8.00 x 11.00	X2	TL	$55
	(AJHT2)	AT24-10-11	10.00 x 11.00	X2	TL	$60
TRACKER HP			*(Life = 5000 hrs)*			
	(AJHU2)	AT22-7-11	7.00 x 11.00	X1	TL	$58
	(AJHU1)	AT22-10-9	10.00 x 9.00	X1	TL	$60
TRACKER MP			*(Life = 5000 hrs)*			
	(AJHV2)	AT24-8-11	8.00 x 11.00	X3	TL	$64
	(AJHV1)	AT24-10-11	10.00 x 11.00	X3	TL	$66
TRACKER P			*(Life = 5000 hrs)*			
	(AJHW2)	AT25-8-12	8.00 x 12.00	X3	TL	$72
	(AJHW1)	AT25-11-10	11.00 x 10.00	X3	TL	$78
TRACKER PT			*(Life = 5000 hrs)*			
	(AJHX1)	AT23-7-10	7.00 x 10.00	X2	TL	$62
TRACKER ST			*(Life = 5000 hrs)*			
	(AJHY1)	AT23-7-10	7.00 x 10.00	X2	TL	$66
WRANGLER SPORT & WRANGLER SPORT RADIAL			*(Life = 5000 hrs)*			
	(AJHZ1)	22-800-10NHS	8.00 x 10.00	01	TL	$61
	(AJHZ4)	22-800R10NHS	8.00 x 10.00	01	TL	$62
	(AJHZ2)	22-1100-10	11.00 x 10.00	01	TL	$64
	(AJHZ3)	24-1100-10	11.00 x 10.00	01	TL	$76
INDUSTRIAL, MINE SERVICE						
ROCK MINE SERVICE			*(Life = 5000 hrs)*			
	(AKJA1)	38-16-15	16.00 x 15.00	28	TL	$1,237
TRACTION MINE SERVICE			*(Life = 5000 hrs)*			
	(AKJB3)	825-15	8.25 x 15.00	16	TT	$318
	(AKJB2)	1000L15NHS	10.00 x 15.00	16	TT	$392
	(AKJB5)	32-1450-15	14.50 x 15.00	20	TT	$438
	(AKJB4)	1450L-15	14.50 x 15.00	20	TT	$600
	(AKJB6)	1450L-15	14.50 x 15.00	28	TL	$656
	(AKJB1)	15L-10	15.00 x 10.00	24	TT	$372
HARD ROCK LUG MINE & INDUSTRIAL			*(Life = 5000 hrs)*			
	(AKJC1)	1000-20	10.00 x 20.00	14	TT	$411
XTRA TRACTION LUG			*(Life = 5000 hrs)*			
	(AKJD2)	825-15	8.25 x 15.00	16	TT	$400
	(AKJD3)	1000L15NHS	10.00 x 15.00	16	TT	$487

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
	(AKJD7)	24-1200-12	12.00 x 12.00	24	TL	$456
	(AKJD4)	32-1450-15	14.50 x 15.00	24	TL	$727
	(AKJD5)	1450L-15	14.50 x 15.00	28	TL	$959
	(AKJD6)	1450L-15	14.50 x 15.00	32	TL	$1,030
	(AKJD1)	15L-10	15.00 x 10.00	24	TT	$589
	(AKJD8)	44-18-20	18.00 x 20.00	32	TL	$1,545
XTRA TRACTION GRIP			*(Life = 5000 hrs)*			
	(AKJE1)	32-12-15NHS	12.00 x 15.00	20	TT	$461
INDUSTRIAL, PERMAFOAM INFLATION						
PERMAFOAM INFLATION			*(Life = 5000 hrs)*			
	(ALKA6)	825-15	8.25 x 15.00	UK	NO	$434
	(ALKA7)	1000-15	10.00 x 15.00	UK	NO	$514
	(ALKA1)	1000-20	10.00 x 20.00	UK	NO	$696
	(ALKA8)	1100-15	11.00 x 15.00	UK	NO	$602
	(ALKA15)	24-1200-12	12.00 x 12.00	UK	NO	$293
	(ALKA10)	32-12-15	12.00 x 15.00	UK	NO	$570
	(ALKA2)	1200-20	12.00 x 20.00	UK	NO	$991
	(ALKA4)	1200-24	12.00 x 24.00	UK	NO	$1,103
	(ALKA9)	28-13-15	13.00 x 15.00	UK	NO	$510
	(ALKA3)	1400-20	14.00 x 20.00	UK	NO	$1,400
	(ALKA11)	32-1450-15	14.50 x 15.00	UK	NO	$586
	(ALKA12)	1450-15	14.50 x 15.00	UK	NO	$657
	(ALKA5)	15-10	15.00 x 10.00	UK	NO	$520
	(ALKA13)	38-16-15	16.00 x 15.00	UK	NO	$915
	(ALKA14)	44-18-20	18.00 x 20.00	UK	NO	$1,140
OFF-THE-ROAD, MED & HEAVY COMMERCIAL, UNISTEEL RADIAL						
G-2 GRADER SERVICE - RL2F, SG2B			*(Life = 5000 hrs)*			
	(AMLA2)	1300R24	13.00 x 24.00	X1	NO	$772
	(AMLA1)	1400R24	14.00 x 24.00	X1	NO	$843
	(AMLA3)	1400R24	14.00 x 24.00	X1	NO	$872
	(AMLA5)	155R25	15.50 x 25.00	X1	NO	$803
	(AMLA4)	1600R24	16.00 x 24.00	X1	NO	$1,070
E-2 HAULAGE SERVICE - RL2F/GP2B RL2+			*(Life = 5000 hrs)*			
	(AMLB7)	1400R24	14.00 x 24.00	X3	NO	$1,116
	(AMLB1)	175R25	17.50 x 25.00	X1	NO	$1,119
	(AMLB4)	175R25	17.50 x 25.00	X1	NO	$1,437
	(AMLB8)	1800R25	18.00 x 25.00	X2	NO	$1,695
	(AMLB2)	205R25	20.50 x 25.00	X1	NO	$1,649
	(AMLB5)	205R25	20.50 x 25.00	X1	NO	$2,090

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
	(AMLB9)	205R25	20.50 x 25.00	X2	NO	$1,693
	(AMLB13)	205R25	20.50 x 25.00	X2	NO	$2,131
	(AMLB15)	2100R35	21.00 x 35.00	X2	NO	$3,321
	(AMLB3)	235R25	23.50 x 25.00	X1	NO	$2,156
	(AMLB6)	235R25	23.50 x 25.00	X1	NO	$2,479
	(AMLB11)	235R25	23.50 x 25.00	X1	NO	$2,994
	(AMLB10)	235R25	23.50 x 25.00	X2	NO	$2,199
	(AMLB14)	235R25	23.50 x 25.00	X2	NO	$2,604
	(AMLB12)	235R25	23.50 x 25.00	X2	NO	$3,178
	(AMLB21)	265R25	26.50 x 25.00	X2	NO	$2,998
	(AMLB24)	265R25	26.50 x 25.00	X2	NO	$3,140
	(AMLB20)	2700R49	27.00 x 49.00	X2	NO	$6,643
	(AMLB22)	295R25	29.50 x 25.00	X2	NO	$3,753
	(AMLB25)	295R25	29.50 x 25.00	X2	NO	$4,830
	(AMLB16)	295R29	29.50 x 29.00	X2	NO	$3,789
	(AMLB17)	3325R35	33.25 x 35.00	X2	NO	$5,326
	(AMLB18)	3725R35	37.25 x 35.00	X2	NO	$6,943
	(AMLB19)	375R39	37.50 x 39.00	X2	NO	$7,511
	(AMLB23)	405/75R39	40.50 x 39.00	X2	NO	$8,454
E-3 HAULAGE SERVICE - ROCK DESIGN RL3, RL3J, R			***(Life = 5000 hrs)***			
	(AMLC1)	1600R25	16.00 x 25.00	X2	NO	$2,246
	(AMLC2)	1800R25	18.00 x 25.00	X2	NO	$2,219
	(AMLC3)	1800R33	18.00 x 33.00	X2	NO	$2,844
	(AMLC4)	2100R35	21.00 x 35.00	X2	NO	$3,568
	(AMLC5)	2400R35	24.00 x 35.00	X2	NO	$4,551
	(AMLC6)	295R29	29.50 x 29.00	X2	NO	$4,257
	(AMLC7)	3325R35	33.25 x 25.00	X2	NO	$5,679
	(AMLC8)	3725R35	37.35 x 35.00	X2	NO	$7,259
	(AMLC9)	375R39	37.50 x 39.00	X2	NO	$7,557
E-4 RL4J/RL4 & RL4H/RL4 E4			***(Life = 5000 hrs)***			
	(AMLD1)	1200R24	12.00 x 24.00	X3	NO	$1,022
	(AMLD2)	1400R24	14.00 x 24.00	X3	NO	$1,224
	(AMLD3)	1400R25	14.00 x 25.00	X3	NO	$1,325
	(AMLD4)	1800R25	18.00 x 25.00	X2	NO	$2,276
	(AMLD5)	1800R33	18.00 x 33.00	X2	NO	$2,996
	(AMLD14)	2100R35	21.00 x 35.00	X2	NO	$4,027
	(AMLD15)	2400R35	24.00 x 25.00	X2	NO	$5,165
	(AMLD6)	2400R49	24.00 x 49.00	X2	NO	$6,255
	(AMLD16)	2400R49	24.00 x 49.00	X2	NO	$6,381
	(AMLD7)	2700R49	27.00 x 49.00	X2	NO	$7,655
	(AMLD17)	2700R49	27.00 x 49.00	X2	NO	$7,655
	(AMLD8)	3000R51	30.00 x 51.00	X2	NO	$9,394

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
	(AMLD9)	3300R51	33.00 x 51.00	X2	NO	$11,850
	(AMLD10)	3600R51	36.00 x 51.00	X2	NO	$13,177
	(AMLD11)	3700R57	37.00 x 57.00	X2	NO	$17,731
	(AMLD13)	4000R57	40.00 x 57.00	X2	NO	$20,128
	(AMLD12)	4000R57	40.00 x 57.00	X2	NO	$21,322
MOBILE CRANE			***(Life = 5000 hrs)***			
	(AMLF1)	445/80R25	17.50 x 25.00	UK	NO	$1,300
	(AMLF2)	445/95R25	17.50 x 25.00	UK	NO	$1,842
	(AMLF3)	525/80R25	20.60 x 25.00	UK	NO	$1,918
L-5 DOZER & LOADER SERVICE RL5K			***(Life = 5000 hrs)***			
	(AMLG1)	205R25	20.50 x 25.00	X1	NO	$2,829
	(AMLG2)	235R25	23.50 x 25.00	X1	NO	$3,521
SPECIAL SERVICE - AT2A			***(Life = 5000 hrs)***			
	(AMLH1)	1400R20	14.00 x 20.00	18	NO	$660
	(AMLH3)	1600R20	16.00 x 20.00	22	NO	$1,037
	(AMLH4)	1600R21	16.00 x 21.00	22	NO	$1,089
	(AMLH2)	175R25	17.50 x 25.00	X1	NO	$1,038
	(AMLH5)	555/65R25	21.80 x 25.00	UK	NO	$1,875
	(AMLH6)	22/65R25	22.00 x 25.00	X1	NO	$1,549
OFF-THE-ROAD, MED & HEAVY COMMERCIAL, BIAS						
INDUSTRIAL SURE GRIP MPT			***(Life = 5000 hrs)***			
	(ANMA1)	105-20	10.50 x 20.00	10	NO	$321
	(ANMA2)	125-20	12.50 x 20.00	10	NO	$411
E-1 HRR 1A			***(Life = 5000 hrs)***			
	(ANMB1)	1400-25	14.00 x 25.00	20	TL	$852
	(ANMB2)	1600-25	16.00 x 25.00	32	TL	$1,699
E-2 TRACTION EARTHMOVER SURE GRIP			***(Life = 5000 hrs)***			
	(ANMC1)	1400-20	14.00 x 20.00	12	TT	$547
	(ANMC2)	1800-25	18.00 x 25.00	12	TL	$1,688
	(ANMC3)	1800-25	18.00 x 25.00	16	TL	$1,771
E-2 TRACTION SURE GRIP LUG			***(Life = 5000 hrs)***			
	(ANMD1)	295-25	29.50 x 25.00	22	TL	$3,081
	(ANMD2)	295-29	29.50 x 29.00	34	TL	$3,454
	(ANMD3)	295-35	29.50 x 35.00	28	TL	$3,882
E-3 ROCK SERVICE HARD ROCK LUG/HRL WC			***(Life = 5000 hrs)***			
	(ANME1)	1200-20	12.00 x 20.00	16	TT	$570
	(ANME2)	1200-24	12.00 x 24.00	16	TT	$656
	(ANME3)	1400-24	14.00 x 24.00	20	TT	$950

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
	(ANME4)	1400-25	14.00 x 25.00	20	TL	$941
	(ANME5)	1600-25	16.00 x 25.00	20	TL	$1,389
	(ANME6)	1600-25	16.00 x 25.00	24	TL	$1,461
	(ANME7)	1600-25	16.00 x 25.00	28	TL	$1,533
E-3 ROCK SERVICE SUPER HARD ROCK LUG			***(Life = 5000 hrs)***			
	(ANMF1)	265-25	26.50 x 25.00	20	TL	$2,184
	(ANMF2)	265-25	26.50 x 25.00	26	TL	$2,402
	(ANMF3)	295-25	29.50 x 25.00	22	TL	$3,033
	(ANMF4)	295-25	29.50 x 25.00	28	TL	$3,169
	(ANMF5)	295-29	29.50 x 29.00	28	TL	$3,389
	(ANMF6)	295-29	29.50 x 29.00	34	TL	$3,634
E-3 ROCK SERVICE SHRL8			***(Life = 5000 hrs)***			
	(ANMG3)	295-35	29.50 x 35.00	28	TL	$3,751
	(ANMG4)	295-35	29.50 x 35.00	34	TL	$3,910
	(ANMG1)	3325-29	33.25 x 29.00	26	TL	$3,932
	(ANMG5)	3325-35	33.25 x 35.00	32	TL	$4,578
	(ANMG6)	3325-35	33.25 x 35.00	38	TL	$5,004
	(ANMG2)	335-33	33.50 x 33.00	32	TL	$4,526
	(ANMG7)	3725-35	37.25 x 35.00	30	TL	$5,468
	(ANMG8)	3725-35	37.25 x 35.00	36	TL	$5,892
	(ANMG9)	375-39	37.50 x 39.00	44	TL	$6,547
E-3 ROCK SERVICE ELV3A, ELV4B, ELV4/5A			***(Life = 5000 hrs)***			
	(ANMH5)	1600-25	16.00 x 25.00	28	TL	$2,008
	(ANMH6)	1600-25	16.00 x 25.00	32	TL	$2,110
	(ANMH2)	1800-25	18.00 x 25.00	32	TL	$2,230
	(ANMH3)	1800-25	18.00 x 25.00	32	TL	$2,502
	(ANMH7)	1800-25	18.00 x 25.00	36	TL	$2,879
	(ANMH4)	1800-25	18.00 x 25.00	40	TL	$2,689
	(ANMH8)	1800-25	18.00 x 25.00	40	TL	$3,093
	(ANMH9)	2100-25	21.00 x 25.00	32	TL	$3,070
	(ANMH1)	235-25	23.50 x 25.00	36	TL	$2,362
E-3 ROCK SERVICE HRL 3F			***(Life = 5000 hrs)***			
	(ANMJ2)	3325-35	33.25 x 35.00	32	TL	$4,742
	(ANMJ3)	3325-35	33.25 x 35.00	38	TL	$5,106
	(ANMJ4)	3725-35	37.25 x 35.00	30	TL	$5,609
	(ANMJ5)	3725-35	37.25 x 35.00	36	TL	$6,067
	(ANMJ1)	375-33	37.50 x 33.00	42	TL	$6,569
	(ANMJ6)	375-39	37.50 x 39.00	44	TL	$6,716
	(ANMJ7)	375-39	37.50 x 39.00	52	TL	$7,083

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
E-3 ROCK SERVICE UMS 3A			*(Life = 5000 hrs)*			
	(ANMK1)	1200-20	12.00 x 20.00	16	TT	$570
	(ANMK2)	1200-20	12.00 x 20.00	20	TT	$687
	(ANMK4)	1200-24	12.00 x 24.00	16	TT	$656
	(ANMK3)	1400-20	14.00 x 20.00	24	TT	$917
E-3 ROCK SERVICE WRL 3A			*(Life = 5000 hrs)*			
	(ANML1)	1400-20	14.00 x 20.00	24	TT	$917
	(ANML2)	1400-24	14.00 x 24.00	24	TT	$990
	(ANML3)	1400-24	14.00 x 24.00	28	TT	$1,192
E-4 ROCK SERVICE AMS4/5 A			*(Life = 5000 hrs)*			
	(ANMM1)	1200-24	12.00 x 24.00	16	TT	$835
E-4 ROCK SERVICE HRL 4B			*(Life = 5000 hrs)*			
	(ANMN1)	1600-25	16.00 x 25.00	28	TL	$1,655
	(ANMN2)	1800-25	18.00 x 25.00	32	TL	$2,276
	(ANMN3)	1800-33	18.00 x 33.00	32	TL	$2,821
	(ANMN4)	2100-35	21.00 x 35.00	36	TL	$3,701
	(ANMN5)	2400-35	24.00 x 35.00	36	TL	$4,723
	(ANMN6)	2700-49	27.00 x 49.00	42	TL	$6,869
	(ANMN7)	2700-49	27.00 x 49.00	48	TL	$7,420
	(ANMN8)	3000-51	30.00 x 51.00	46	TL	$11,490
	(ANMN9)	3600-51	36.00 x 51.00	58	TL	$19,676
E-4 ROCK SERVICE MRL 4B			*(Life = 5000 hrs)*			
	(ANMO1)	2400-49	24.00 x 49.00	48	TL	$6,773
	(ANMO2)	3600-51	36.00 x 51.00	58	TL	$19,676
E-6 TOW SERVICE - RIB TOW SERVICE			*(Life = 5000 hrs)*			
	(ANMP1)	61-1800-25	18.00 x 25.00	44	TL	$2,612
E-7 FLOTATION TYPE SAND RIB SRB 7A			*(Life = 5000 hrs)*			
	(ANMQ1)	1800-25	18.00 x 25.00	12	TL	$1,184
	(ANMQ2)	1800-25	18.00 x 25.00	16	TL	$1,303
	(ANMQ3)	1800-25	18.00 x 25.00	28	TL	$1,732
	(ANMQ6)	2100-25	21.00 x 25.00	16	TL	$1,876
	(ANMQ4)	24-205	24.00 x 20.50	16	TL	$1,534
	(ANMQ5)	24-21	24.00 x 21.00	14	TL	$1,214
	(ANMQ9)	24-21	24.00 x 21.00	14	TT	$1,247
	(ANMQ10)	24-21	24.00 x 21.00	16	TT	$1,372
	(ANMQ11)	2725-21	27.25 x 21.00	16	TT	$1,487
	(ANMQ7)	295-25	29.50 x 25.00	28	TL	$3,597
	(ANMQ8)	3600-51	36.00 x 51.00	42	TL	$9,495

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
E-7 FLOTATION TYPE PAVER TIRE			*(Life = 5000 hrs)*			
	(ANMR1)	1600-24	16.00 x 24.00	12	NO	$1,005
G-1 RBG 1A			*(Life = 5000 hrs)*			
	(ANMS1)	1400-24	14.00 x 24.00	12	TL	$649
G-2 SGG2A			*(Life = 5000 hrs)*			
	(ANMT2)	1200-24	12.00 x 24.00	8	TL	$344
	(ANMT1)	1300-20	13.00 x 20.00	10	TT	$342
	(ANMT3)	1300-24	13.00 x 24.00	10	TL	$354
	(ANMT4)	1300-24	13.00 x 24.00	12	TL	$388
	(ANMT10)	1300-24	13.00 x 24.00	12	TL	$540
	(ANMT5)	1400-24	14.00 x 24.00	10	TL	$394
	(ANMT6)	1400-24	14.00 x 24.00	12	TL	$407
	(ANMT7)	1400-24	14.00 x 24.00	16	TL	$528
	(ANMT8)	1600-24	16.00 x 24.00	12	TL	$960
	(ANMT9)	1600-24	16.00 x 24.00	16	TL	$1,008
G-2 GRADER SMOOTH			*(Life = 5000 hrs)*			
	(ANMU1)	1300-24	13.00 x 24.00	10	NO	$365
G-2 SGLDL 2A L2			*(Life = 5000 hrs)*			
	(ANMV2)	155-25	15.50 x 25.00	12	TL	$521
	(ANMV1)	155-25	15.50 x 25.00	8	TL	$486
	(ANMV3)	175-25	17.50 x 25.00	12	TL	$570
	(ANMV4)	175-25	17.50 x 25.00	16	TL	$709
	(ANMV5)	175-25	17.50 x 25.00	20	TL	$797
G-2 SGLEL 2A ES/L2/G2			*(Life = 5000 hrs)*			
	(ANMW1)	205-25	20.50 x 25.00	12	TL	$1,053
	(ANMW2)	205-25	20.50 x 25.00	16	TL	$1,106
	(ANMW3)	205-25	20.50 x 25.00	20	TL	$1,156
	(ANMW4)	235-25	23.50 x 25.00	12	TL	$1,459
	(ANMW5)	235-25	23.50 x 25.00	16	TL	$1,532
	(ANMW6)	235-25	23.50 x 25.00	20	TL	$1,609
G-3 RKG 3A			*(Life = 5000 hrs)*			
	(ANMX1)	1400-24	14.00 x 24.00	16	TL	$694
	(ANMX2)	1600-24	16.00 x 24.00	16	TL	$1,242
G-4 SGG-4B			*(Life = 5000 hrs)*			
	(ANMY1)	1400-24	14.00 x 24.00	12	TL	$621
L-2 DOZER/LOADER SERVICE TRACTION SG LUG DL			*(Life = 5000 hrs)*			
	(ANNA1)	265-25	26.50 x 25.00	14	TL	$1,798
	(ANNA2)	265-25	26.50 x 25.00	20	TL	$1,977

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
L-3 DOZER/LOADER SERVICE ROCK SERVICE E3/L3			*(Life = 5000 hrs)*			
	(ANNB1)	205-25	20.50 x 25.00	12	TL	$1,212
	(ANNB2)	205-25	20.50 x 25.00	16	TL	$1,260
	(ANNB3)	205-25	20.50 x 25.00	20	TL	$1,335
	(ANNB4)	235-25	23.50 x 25.00	12	TL	$1,624
	(ANNB5)	235-25	23.50 x 25.00	16	TL	$1,711
	(ANNB6)	235-25	23.50 x 25.00	20	TL	$1,863
L-3 DOZER/LOADER SERVICE ROCK SHRL DL			*(Life = 5000 hrs)*			
	(ANNC1)	265-25	26.50 x 25.00	20	TL	$2,367
	(ANNC2)	295-25	29.50 x 25.00	22	TL	$3,074
	(ANNC3)	295-25	29.50 x 25.00	28	TL	$3,309
L-3 DOZER/LOADER SERVICE ROCK HRL DL 3A & 3F			*(Life = 5000 hrs)*			
	(ANND1)	155-25	15.50 x 25.00	12	TL	$544
	(ANND2)	175-25	17.50 x 25.00	12	TL	$649
	(ANND3)	175-25	17.50 x 25.00	16	TL	$733
	(ANND4)	175-25	17.50 x 25.00	20	TL	$944
	(ANND5)	175-25	17.50 x 25.00	6S 20	TL	$1,245
	(ANND6)	3325-35	33.25 x 35.00	50	NO	$6,089
L-4 DOZER/LOADER SERVICE ROCK DEEP TREAD S			*(Life = 5000 hrs)*			
	(ANNE1)	235-25	23.50 x 25.00	20	TL	$2,437
	(ANNE2)	265-25	26.50 x 25.00	20	TL	$2,961
	(ANNE3)	295-25	29.50 x 25.00	22	TL	$3,643
	(ANNE4)	295-25	29.50 x 25.00	28	TL	$3,923
	(ANNE5)	295-29	29.50 x 29.00	28	TL	$4,111
L-4 DOZER/LOADER SERVICE ROCK DEEP TREAD H			*(Life = 5000 hrs)*			
	(ANNF1)	50/80-57	50.00 x 57.00	68	TL	$37,260
L-4 DOZER/LOADER SERVICE ROCK DEEP TREAD N			*(Life = 5000 hrs)*			
	(ANNG1)	35/65-33	35.00 x 33.00	24	TL	$5,376
	(ANNG2)	35/65-33	35.00 x 33.00	30	TL	$6,395
L-5 DOZER/LOADER SERVICE ROCK SUPER XTRA TF			*(Life = 5000 hrs)*			
	(ANNH1)	205-25	20.50 x 25.00	12	TL	$1,756
	(ANNH2)	235-25	23.50 x 25.00	20	TL	$2,443
L-5 DOZER/LOADER SERVICE ROCK SUPER XTRA TF			*(Life = 5000 hrs)*			
	(ANNJ1)	265-25	26.50 x 25.00	20	TL	$3,290
	(ANNJ2)	295-25	29.50 x 25.00	22	TL	$4,479
	(ANNJ3)	295-29	29.50 x 29.00	22	TL	$4,694
	(ANNJ4)	295-29	29.50 x 29.00	28	TL	$5,056
	(ANNJ5)	3725-35	37.25 x 35.00	42	TL	$8,674

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
L-5 DOZER/LOADER SERVICE ROCK SUPER XTRA TF			***(Life = 5000 hrs)***			
	(ANNK1)	265-25	26.50 x 25.00	20	TL	$2,991
	(ANNK2)	295-25	29.50 x 25.00	22	TL	$4,073
	(ANNK3)	295-29	29.50 x 29.00	22	TL	$4,550
	(ANNK4)	295-29	29.50 x 29.00	28	TL	$4,778
	(ANNK5)	375-39	37.50 x 39.00	44	TL	$9,904
L-5 DOZER/LOADER SERVICE ROCK SUPER XTRA TF			***(Life = 5000 hrs)***			
	(ANNL1)	35/65-33	35.00 x 33.00	24	TL	$5,781
	(ANNL2)	35/65-33	35.00 x 33.00	30	TL	$6,647
	(ANNL3)	40/65-39	40.00 x 39.00	30	TL	$8,454
	(ANNL4)	4125/70-39	41.25 x 39.00	34	TL	$9,682
	(ANNL5)	4125/70-39	41.25 x 39.00	42	TL	$10,651
	(ANNL6)	45/65-45	45.00 x 45.00	38	TL	$11,769
	(ANNL7)	45/65-45	45.00 x 45.00	46	TL	$12,304
	(ANNL8)	50/65-51	50.00 x 51.00	62	TL	$27,515
L-5 DOZER/LOADER SERVICE ROCK SUPER XTRA TF			***(Life = 5000 hrs)***			
	(ANNM1)	35/65-33	35.00 x 33.00	24	TL	$6,406
	(ANNM2)	45/65-45	45.00 x 45.00	46	TL	$12,905
L-5 DOZER/LOADER SERVICE SMOOTH SMO SL5B			***(Life = 5000 hrs)***			
	(ANNN1)	175-25	17.50 x 25.00	20	TL	$2,133
	(ANNN2)	1800-25	18.00 x 25.00	24	TL	$2,913
	(ANNN3)	1800-25	18.00 x 25.00	28	TL	$3,058
L-5 DOZER/LOADER SERVICE SMOOTH SUPER XTRA			***(Life = 5000 hrs)***			
	(ANNO1)	2100-25	21.00 x 25.00	32	TL	$5,006
	(ANNO2)	265-25	26.50 x 25.00	26	TL	$3,922
	(ANNO3)	265-25	26.50 x 25.00	32	TL	$4,314
	(ANNO4)	295-25	29.50 x 25.00	28	TL	$5,670
L-5 DOZER/LOADER SERVICE SMOOTH NSM DL5B			***(Life = 5000 hrs)***			
	(ANNP1)	35/65-33	35.00 x 33.00	24	TL	$6,831
	(ANNP2)	45/65-45	45.00 x 45.00	46	TL	$13,277
L-5 DOZER/LOADER SERVICE SMOOTH NYLOSTEEL			***(Life = 5000 hrs)***			
	(ANNQ1)	45/65-45	45.00 x 45.00	38	TL	$11,769
	(ANNQ2)	45/65-45	45.00 x 45.00	46	TL	$12,304
INDUSTRIAL, PRESSED-ON						
PRESSED-ON, HIGH PERFORMANCE, NON-MARKING,			***(Life = 5000 hrs)***			
	(EPPO5)	10-3-61/4	3.00 x 10.00		NO	$71
	(EPPO4)	10-31/2-6	3.50 x 10.00		NO	$74
	(EPPO18)	12-31/2-8	3.50 x 12.00		NO	$79

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
	(EPPO23)	13-31/2-8	3.50 x 13.00		NO	$86
	(EPPO25)	13-31/2-81/4	3.50 x 13.00		NO	$125
	(EPPO32)	15-31/2-111/4	3.50 x 15.00		NO	$143
	(EPPO1)	81/2-4-4	4.00 x 8.50		NO	$110
	(EPPO6)	10-4-61/4	4.00 x 10.00		NO	$72
	(EPPO10)	10-4-61/2	4.00 x 10.00		NO	$95
	(EPPO3)	10-4- 5	4.00 x 10.00		NO	$126
	(EPPO19)	12-4-8	4.00 x 12.00		NO	$84
	(EPPO45)	16-4-121/8	4.00 x 16.00		NO	$97
	(EPPO47)	161/4-4-111/4	4.00 x 16.25		NO	$92
	(EPPO51)	161/4-4-111/2	4.00 x 16.25		NO	$159
	(EPPO20)	12-41/2-8	4.50 x 12.00		NO	$82
	(EPPO24)	13-41/2-8	4.50 x 13.00		NO	$90
	(EPPO102)	13-41/2-8	4.50 x 13.00		NO	$111
	(EPPO27)	131/2-41/2-8	4.50 x 13.50		NO	$89
	(EPPO30)	14-41/2-8	4.50 x 14.00		NO	$101
	(EPPO40)	16-41/2-101/2	4.50 x 16.00		NO	$122
	(EPPO44)	16-41/2-12	4.50 x 16.00		NO	$124
	(EPPO46)	16-41/2-121/8	4.50 x 16.00		NO	$138
	(EPPO52)	17-41/2-121/8	4.50 x 17.00		NO	$128
	(EPPO11)	10-43/4-61/2	4.75 x 10.00		NO	$73
	(EPPO2)	9-5- 5	5.00 x 9.00		NO	$72
	(EPPO12)	10-5-61/2	5.00 x 10.00		NO	$63
	(EPPO101)	10-5-61/2	5.00 x 10.00		NO	$68
	(EPPO7)	10-5-61/4	5.00 x 10.00		NO	$75
	(EPPO13)	101/2-5-5	5.00 x 10.50		NO	$66
	(EPPO15)	101/2-5-61/2	5.00 x 10.50		NO	$71
	(EPPO26)	13-5-10	5.00 x 13.00		NO	$97
	(EPPO31)	14-5-10	5.00 x 14.00		NO	$94
	(EPPO33)	15-5-111/4	5.00 x 15.00		NO	$94
	(EPPO38)	151/2-5-10	5.00 x 15.50		NO	$108
	(EPPO41)	16-5-101/2	5.00 x 16.00		NO	$112
	(EPPO48)	161/4-5-111/4	5.00 x 16.25		NO	$94
	(EPPO53)	17-5-121/8	5.00 x 17.00		NO	$112
	(EPPO56)	173/4-5-121/8	5.00 x 17.75		NO	$139
	(EPPO58)	18-5-121/8	5.00 x 18.00		NO	$118
	(EPPO63)	18-5-14	5.00 x 18.00		NO	$132
	(EPPO68)	20-5-16	5.00 x 20.00		NO	$145
	(EPPO73)	21-5-15	5.00 x 21.00		NO	$159
	(EPPO110)	21-5-15	5.00 x 21.00		NO	$171
	(EPPO79)	22-5-16	5.00 x 22.00		NO	$146
	(EPPO21)	12-51/2-8	5.50 x 12.00		NO	$99
	(EPPO28)	131/2-51/2-8	5.50 x 13.50		NO	$100

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
	(EPPO8)	10-6-61/4	6.00 x 10.00		NO	$84
	(EPPO16)	101/2-6-61/2	6.00 x 10.50		NO	$86
	(EPPO14)	101/2-6-5	6.00 x 10.50		NO	$108
	(EPPO34)	15-6-111/4	6.00 x 15.00		NO	$109
	(EPPO39)	151/2-6-10	6.00 x 15.50		NO	$121
	(EPPO42)	16-6-101/2	6.00 x 16.00		NO	$127
	(EPPO103)	16-6-101/2	6.00 x 16.00		NO	$152
	(EPPO49)	161/4-6-111/4	6.00 x 16.25		NO	$114
	(EPPO104)	161/4-6-111/4	6.00 x 16.25		NO	$137
	(EPPO54)	17-6-121/8	6.00 x 17.00		NO	$144
	(EPPO57)	173/4-6-121/8	6.00 x 17.75		NO	$163
	(EPPO59)	18-6-121/8	6.00 x 18.00		NO	$130
	(EPPO64)	18-6-14	6.00 x 18.00		NO	$140
	(EPPO106)	18-6-121/8	6.00 x 18.00		NO	$154
	(EPPO69)	20-6-16	6.00 x 20.00		NO	$164
	(EPPO74)	21-6-15	6.00 x 21.00		NO	$173
	(EPPO111)	21-6-15	6.00 x 21.00		NO	$184
	(EPPO80)	22-6-16	6.00 x 22.00		NO	$166
	(EPPO89)	22-6-173/4	6.00 x 22.00		NO	$204
	(EPPO22)	12-61/2-8	6.50 x 12.00		NO	$104
	(EPPO29)	131/2-61/2-8	6.50 x 13.50		NO	$127
	(EPPO9)	10-7-61/4	7.00 x 10.00		NO	$95
	(EPPO17)	101/2-7-61/2	7.00 x 10.50		NO	$118
	(EPPO35)	15-7-111/4	7.00 x 15.00		NO	$124
	(EPPO43)	16-7-101/2	7.00 x 16.00		NO	$144
	(EPPO50)	161/4-7-111/4	7.00 x 16.25		NO	$142
	(EPPO105)	161/4-7-111/4	7.00 x 16.25		NO	$165
	(EPPO55)	17-7-121/8	7.00 x 17.00		NO	$167
	(EPPO60)	18-7-121/8	7.00 x 18.00		NO	$139
	(EPPO107)	18-7-121/8	7.00 x 18.00		NO	$160
	(EPPO65)	18-7-14	7.00 x 18.00		NO	$176
	(EPPO70)	20-7-16	7.00 x 20.00		NO	$179
	(EPPO75)	21-7-15	7.00 x 21.00		NO	$177
	(EPPO112)	21-7-15	7.00 x 21.00		NO	$209
	(EPPO81)	22-7-16	7.00 x 22.00		NO	$213
	(EPPO90)	22-7-173/4	7.00 x 22.00		NO	$220
	(EPPO94)	26-7-20	7.00 x 26.00		NO	$332
	(EPPO36)	15-8-111/4	8.00 x 15.00		NO	$139
	(EPPO61)	18-8-121/8	8.00 x 18.00		NO	$163
	(EPPO66)	18-8-14	8.00 x 18.00		NO	$178
	(EPPO108)	18-8-121/8	8.00 x 18.00		NO	$184
	(EPPO71)	20-8-16	8.00 x 20.00		NO	$178
	(EPPO76)	21-8-15	8.00 x 21.00		NO	$211

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
	(EPPO113)	21-8-15	8.00 x 21.00		NO	$251
	(EPPO82)	22-8-16	8.00 x 22.00		NO	$221
	(EPPO115)	22-8-16	8.00 x 22.00		NO	$239
	(EPPO91)	22-8-173/4	8.00 x 22.00		NO	$250
	(EPPO37)	15-9-111/4	9.00 x 15.00		NO	$202
	(EPPO67)	18-9-14	9.00 x 18.00		NO	$181
	(EPPO62)	18-9-121/8	9.00 x 18.00		NO	$191
	(EPPO109)	18-9-121/8	9.00 x 18.00		NO	$216
	(EPPO72)	20-9-16	9.00 x 20.00		NO	$252
	(EPPO77)	21-9-15	9.00 x 21.00		NO	$253
	(EPPO114)	21-9-15	9.00 x 21.00		NO	$293
	(EPPO83)	22-9-16	9.00 x 22.00		NO	$250
	(EPPO116)	22-9-16	9.00 x 22.00		NO	$281
	(EPPO84)	22-10-16	10.00 x 22.00		NO	$388
	(EPPO92)	22-10-173/4	10.00 x 22.00		NO	$427
	(EPPO95)	28-10-22	10.00 x 28.00		NO	$536
	(EPPO99)	36-10-30	10.00 x 36.00		NO	$747
	(EPPO85)	22-11-16	11.00 x 22.00		NO	$491
	(EPPO78)	21-12-15	12.00 x 21.00		NO	$357
	(EPPO86)	22-12-16	12.00 x 22.00		NO	$457
	(EPPO96)	28-12-22	12.00 x 28.00		NO	$690
	(EPPO100)	36-12-30	12.00 x 36.00		NO	$818
	(EPPO87)	22-14-16	14.00 x 22.00		NO	$565
	(EPPO93)	22-14-173/4	14.00 x 22.00		NO	$599
	(EPPO97)	28-14-22	14.00 x 28.00		NO	$781
	(EPPO88)	22-16-16	16.00 x 22.00		NO	$642
	(EPPO98)	28-16-22	16.00 x 28.00		NO	$939
CONVEYOR/LOADER BELTING						
CONVEYOR BELTING (GOODYEAR WINGFOOT)			*(Life = 5000 hrs)*			
	(AZZA1)	Conveyor Belting	24.00 x 50.00	2	NO	$496
	(AZZA2)	Conveyor Belting	24.00 x 60.00	2	NO	$594
	(AZZA3)	Conveyor Belting	24.00 x 70.00	2	NO	$693
	(AZZA4)	Conveyor Belting	24.00 x 80.00	2	NO	$792
	(AZZA5)	Conveyor Belting	24.00 x 90.00	2	NO	$892
	(AZZA6)	Conveyor Belting	24.00 x 100.00	2	NO	$991
	(AZZA7)	Conveyor Belting	24.00 x 110.00	2	NO	$1,090
	(AZZA8)	Conveyor Belting	24.00 x 120.00	2	NO	$1,189
	(AZZA9)	Conveyor Belting	24.00 x 130.00	2	NO	$1,288
	(AZZA10)	Conveyor Belting	24.00 x 140.00	2	NO	$1,387
	(AZZA11)	Conveyor Belting	24.00 x 150.00	2	NO	$1,487
	(AZZA12)	Conveyor Belting	30.00 x 50.00	2	NO	$619
	(AZZA13)	Conveyor Belting	30.00 x 60.00	2	NO	$743

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE (1)	COST PER EACH
	(AZZA14)	Conveyor Belting	30.00 x 70.00	2	NO	$867
	(AZZA15)	Conveyor Belting	30.00 x 80.00	2	NO	$991
	(AZZA16)	Conveyor Belting	30.00 x 90.00	2	NO	$1,115
	(AZZA17)	Conveyor Belting	30.00 x 100.00	2	NO	$1,239
	(AZZA18)	Conveyor Belting	30.00 x 110.00	2	NO	$1,362
	(AZZA19)	Conveyor Belting	30.00 x 120.00	2	NO	$1,487
	(AZZA20)	Conveyor Belting	30.00 x 130.00	2	NO	$1,611
	(AZZA21)	Conveyor Belting	30.00 x 140.00	2	NO	$1,734
	(AZZA22)	Conveyor Belting	30.00 x 150.00	2	NO	$1,858
	(AZZA23)	Conveyor Belting	36.00 x 50.00	2	NO	$753
	(AZZA24)	Conveyor Belting	36.00 x 60.00	2	NO	$904
	(AZZA25)	Conveyor Belting	36.00 x 70.00	2	NO	$1,054
	(AZZA26)	Conveyor Belting	36.00 x 80.00	2	NO	$1,206
	(AZZA27)	Conveyor Belting	36.00 x 90.00	2	NO	$1,356
	(AZZA28)	Conveyor Belting	36.00 x 100.00	2	NO	$1,506
	(AZZA29)	Conveyor Belting	36.00 x 110.00	2	NO	$1,657
	(AZZA30)	Conveyor Belting	36.00 x 120.00	2	NO	$1,807
	(AZZA31)	Conveyor Belting	36.00 x 130.00	2	NO	$1,958
	(AZZA32)	Conveyor Belting	36.00 x 140.00	2	NO	$2,109
	(AZZA33)	Conveyor Belting	36.00 x 150.00	2	NO	$2,260
	(AZZA34)	Conveyor Belting	42.00 x 50.00	2	NO	$879
	(AZZA35)	Conveyor Belting	42.00 x 60.00	2	NO	$1,054
	(AZZA36)	Conveyor Belting	42.00 x 70.00	2	NO	$1,230
	(AZZA37)	Conveyor Belting	42.00 x 80.00	2	NO	$1,406
	(AZZA38)	Conveyor Belting	42.00 x 90.00	2	NO	$1,582
	(AZZA39)	Conveyor Belting	42.00 x 100.00	2	NO	$1,758
	(AZZA40)	Conveyor Belting	42.00 x 110.00	2	NO	$1,933
	(AZZA41)	Conveyor Belting	42.00 x 120.00	2	NO	$2,109
	(AZZA42)	Conveyor Belting	42.00 x 130.00	2	NO	$2,284
	(AZZA43)	Conveyor Belting	42.00 x 140.00	2	NO	$2,461
	(AZZA44)	Conveyor Belting	42.00 x 150.00	2	NO	$2,636
	(AZZA45)	Conveyor Belting	48.00 x 50.00	3	NO	$1,243
	(AZZA46)	Conveyor Belting	48.00 x 60.00	3	NO	$1,493
	(AZZA47)	Conveyor Belting	48.00 x 70.00	3	NO	$1,741
	(AZZA48)	Conveyor Belting	48.00 x 80.00	3	NO	$1,990
	(AZZA49)	Conveyor Belting	48.00 x 90.00	3	NO	$2,239
	(AZZA50)	Conveyor Belting	48.00 x 100.00	3	NO	$2,487
	(AZZA51)	Conveyor Belting	48.00 x 110.00	3	NO	$2,735
	(AZZA52)	Conveyor Belting	48.00 x 120.00	3	NO	$2,985
	(AZZA53)	Conveyor Belting	48.00 x 130.00	3	NO	$3,233
	(AZZA54)	Conveyor Belting	48.00 x 140.00	3	NO	$3,482
	(AZZA55)	Conveyor Belting	48.00 x 150.00	3	NO	$3,730
	(AZZA56)	Conveyor Belting	60.00 x 50.00	4	NO	$2,390

APPENDIX F
TIRE DESCRIPTION AND TIRE COST

TIRE TYPE	EP CODE	DESCRIPTION	SIZE	PLY	TUBE *(1)*	COST PER EACH
	(AZZA57)	Conveyor Belting	60.00 x 60.00	4	NO	$2,868
	(AZZA58)	Conveyor Belting	60.00 x 70.00	4	NO	$3,347
	(AZZA59)	Conveyor Belting	60.00 x 80.00	4	NO	$3,825
	(AZZA60)	Conveyor Belting	60.00 x 90.00	4	NO	$4,303
	(AZZA61)	Conveyor Belting	60.00 x 100.00	4	NO	$4,781
	(AZZA62)	Conveyor Belting	60.00 x 110.00	4	NO	$5,258
	(AZZA63)	Conveyor Belting	60.00 x 120.00	4	NO	$5,736
	(AZZA64)	Conveyor Belting	60.00 x 130.00	4	NO	$6,214
	(AZZA65)	Conveyor Belting	60.00 x 140.00	4	NO	$6,692
	(AZZA66)	Conveyor Belting	60.00 x 150.00	4	NO	$7,171

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. Section II, Maximum Tire Life, states tire life in hours. 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)	0.85	0.75

TIRE LIFE AND TIRE WEAR FACTORS

(continued next page)

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 = .65)(WPF-FT = .90)	0.59	
Front Tire - Severe = (CF = .43)(WPF-FT = .90)		0.39
Drive Tire - Average = (CF = .65)(WPF-DTR = .70)(GF = .85)	0.39	
Drive Tire - Severe = (CF = .43)(WPF-DTR = .70)(GF = .75)		0.22
Trailing Tire - Average = (CF = .65) (WPF-TT = 1.00)	0.65	
Trailing Tire - Severe = (CF = .43) (WPF-TT = 1.00)		0.43

SECTION II. MAXIMUM TIRE LIFE

Maximum tire life is used in the formula to determine tire wear cost.

MAXIMUM TIRE LIFE	Hours
Bias Ply Tires - Off highway E4, L4, and L5	5,000
Bias Ply Tires - All other bias tires	5,000
Radial Ply Tires - Off highway RL4	5,000
Radial Ply Tires - All other radial tires	5,000
Conveyor Belts	5,000

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	- BID-WELL DIVISION, CMI CORPORATION
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
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
GI	- GALION DIVISION, KOMATSO DRESSER COMPANY

APPENDIX H
MANUFACTURER LIST

CODE	MANUFACTURER
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
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
JO	- C. S. JOHNSON COMPANY
KA	- KAWASAKI LOADERS, INC.

APPENDIX H
MANUFACTURER LIST

CODE	MANUFACTURER
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	- KORI CORPORATION
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
MF	- MF INDUSTRIAL
MG	- MCMASTER

APPENDIX H
MANUFACTURER LIST

CODE	MANUFACTURER
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.
PR	- PERRIN, INC.
PW	- POWERSCREEN

APPENDIX H
MANUFACTURER LIST

CODE	MANUFACTURER
PZ	- PACIFIC RUBBER
RA	- READ CORPORATION
RC	- ROSS COMPANY
RD	- REEDDRILL CORPORATION
RE	- REACH ALL
RI	- REYNOLDS INTERNATIONAL, L.P.
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.
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
TA	- TAMPO MANUFACTURING COMPANY, INC.
TD	- TADANO AMERICA CORPORATION
TE	- TEREX CORPORATION
TK	- TAKEUCHI

APPENDIX H
MANUFACTURER LIST

CODE	MANUFACTURER
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
(Renegotiation or Prompt Payment Rate)

EFFECTIVE MONTHS	EFFECTIVE DATE	RATE
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%
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	
JANUARY - JUNE	1/1/00	

APPENDIX J

EQUIPMENT ACCESSORIES

CAT . SUB	DESCRIPTION

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.

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

EQUIPMENT ACCESSORIES

CAT . SUB	DESCRIPTION
C90.01	TRUCK CRANES - LESS THAN 25 TONS
	Power load lowering Third drum Mechanical outriggers with screw jacks Maximum boom length at 360 degrees rateing 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 **C90.03** **C90.04**	TRUCK CRANE - 25 TONS & LARGER
	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

EQUIPMENT ACCESSORIES

CAT . SUB	DESCRIPTION
G15	GRADER (continued)
	Fire Extinguisher 5-B:C
	Reverse Signal (Backup) Alarm
H25	EXCAVATORS, HYDRAULIC
H30	
	Backhoe bucket (standard)
	Backhoe stick (medium length)
	Backhoe boom (one piece)
	Backhoe bucket linkage (with cylinder)
	Guards
	Counterweight
	Standard work lights
	Reverse signal (Backup) alarm
	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 pully clutch and backstop
	Belt cleaner and belt installing equipment
	King pin attachments

EQUIPMENT ACCESSORIES

CAT . SUB	DESCRIPTION
L35	LOADERS, 1-1/2 CY AND LARGER
L40	
	Blower fan
	Guard, power train
	Automatic bucket positioner
	Standard counterweight
	Machines less than 7 CY: General Purpose or Excavating bucket with bolt on cutting edge and no teeth
	Machines 7 CY or larger: Rock bucket with bolt on cutting edge and teeth
	Standard work lights
	Reverse signal (Backup) alarm
	Rollover Protective Structures (ROPS)
	Fire Extinguisher 5-B:C
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)
	Univeral Blade

EQUIPMENT ACCESSORIES

CAT . SUB	DESCRIPTION
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
T55	TRUCKS, OFF-HIGHWAY
	No spin differential Tacograph Engine and transmision guards Body liners

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