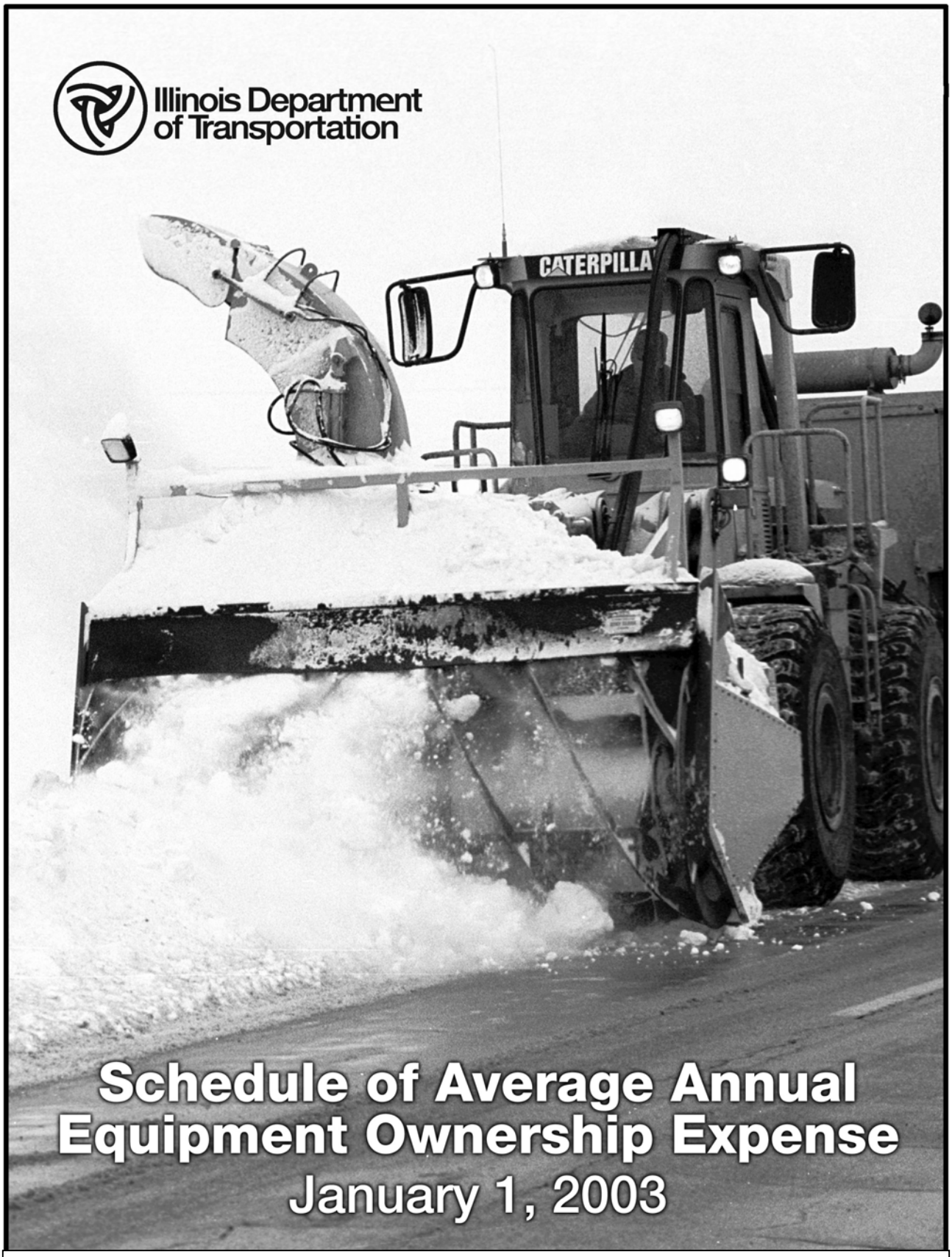
Illinois Department of Transportation



Schedule of Average Annual Equipment Ownership Expense

January 1, 2003

Updated October 27, 2003.

The “Schedule of Average Annual Equipment Ownership Expense” is designed for use on Force Account bills of Contractors performing work for the Illinois Department of Transportation and local government agencies who choose to adopt the rates. This schedule is also to be used in determining appropriate rates utilized by the Illinois Department of Transportation and other state agencies with various local government agencies.

These rates are not intended to be specified as the basis for any rental transactions or contractual agreements, or as the basis on which transactions or negotiations can or will be conducted.

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BC 635: Extra Work Daily Report
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INTRODUCTION

This schedule contains the expense rates for some of the more common items of Contractor's equipment. The rates replace the rates given in the schedule dated January 1, 2003.

The following policies shall be used in applying these rates:

1) Computing rates for equipment listed in this schedule.

a) Normal operations

Rates shall not exceed the expense rates given in this schedule for equipment listed.

b) Idled equipment

Rates for claims shall be referred to the Central Bureau of Construction for appropriate adjustment to established rates. (see Appendix A)

2) Computing expense rates for equipment which is not listed in this schedule.

Questions concerning rates not listed in this schedule should be directed in writing using BC 2370 – Equipment Expense Rate Data from the District Engineer to the Bureau of Construction.

Individual pieces of equipment not listed in this schedule and having a replacement value of $1,000 or less shall be considered to be tools or small equipment and no payment will be made for their use on the work. Compensation will be allowed for actual cost of consumables (oxygen, acetylene, propane, etc.) used by small tools.

3) Operating Costs.

Standard operating costs for routine servicing and repair, service and lube labor, fuel, lubricants, filters, tires, tire service, lube trucks, etc., are all included in the rates in this schedule. No additional compensation for ordinary operating expenses will be allowed.

4) Equipment owned by Contractor.

a) Equipment on jobsite

The calendar month is that period from any day of such month that the equipment is first used to the corresponding day of the next month.

When the scheduled rate is based on watts (horsepower), the reference is always to flywheel watts (horsepower), net flywheel watts (horsepower), or net engine watts (horsepower).

When the schedule refers to GVW (gross vehicle weight), GVW equals the rated weight of the tractor with payload, not to exceed the legal load limit

The time paid for shall be the period that the equipment is in operation on the force account work, and in addition shall include traveling time to the locations of the force account work when the equipment is moved under its own power. In rare instances, such as the transportation of a crane having a long boom, it may be necessary for the machine to be in operation while being transported to the location of the force account work, in which case the time paid for shall include the time operated during transportation. Loading and transportation costs will be allowed when equipment is moved through means rather than its own power, but payment time for equipment so moved shall be restricted to actual operating time on the work, except as noted in the preceding sentence.

b) Equipment not on jobsite

Same as (a) except that minimum total operating time paid for on the work shall be not less than four hours.

5) Equipment rented by the Contractor.

a) Whenever it is necessary for the Contractor to rent equipment elsewhere, he shall be paid the rental and transportation cost of such equipment to which 5% shall be added. **THE RENTAL RATES MAY NOT EXCEED THOSE ALLOWABLE FOR EQUIPMENT OWNED BY THE CONTRACTOR <u>UNLESS FIRST APPROVED IN WRITING</u> BY THE ENGINEER BEFORE THE WORK IS STARTED.** IN NO CASE SHALL THE RENTAL RATES EXCEED THOSE OF ESTABLISHED DISTRIBUTORS OR EQUIPMENT RENTAL AGENCIES.

6) Preparation of force account bills.

All force account bills should show an accurate description of equipment used on force account work by type, size and watts (horsepower) and/or capacity.

Any changes or correction of ownership expenses rates on a force account bill must be made on each revised bill to indicate that the Contractor has approved the revised amount before the bill will be approved for payment.

Contractors are eligible for an additive to a bill prepared by a subcontractor. See Art. 109.04(b)(7).

A sample force account bill and instructions for preparing force account bills are attached to this schedule.

7) Response Contractors Indemnification Fund.

When force account or a portion thereof, involves issues related to a remedial or response action, or to the identification, handling, storage, treatment or disposal of a pollutant, or other items subject to payment into the Response Contractors Indemnification Fund (RCIF) 5% shall be added to those items. This 5% will not be paid to the contractor but will be deposited into the RCIF.

Pay item XXX07000 should be used for items subject to the RCIF or the amount may be shown separately on the Force Account billing and have a corresponding reference made on the change authorization.

INSTRUCTIONS FOR PREPARING FORCE ACCOUNT BILLS

In order to facilitate checking and to secure more uniformity in Contractor's force account bills, we have prepared a sample bill which covers the usual items. This is a sample only – actual prices/rates will usually be different. Your particular attention is directed to the following:

1) Each day that force account work is being performed Form BC 635, Extra Work Daily Report, must be completed. All manpower, equipment and material used in the force account work should be agreed to by both the Contractor and the Engineer and entered on this form at the end of each day. The Contractor must then prepare the force account bill from the daily reports. Only the manpower, equipment and material shown on the daily reports should be included on the force account bill.

2) The form used for certification of labor cost and affidavit as to materials take from stock.

3) Payroll additives are to be restricted to actual costs.

   a) Workmen's compensations insurance is chargeable for all hours worked on a straight time basis. Overtime premiums (1 ½ x, 2 x, 3 x, etc.) are not eligible.

   b) Truck drivers' total salaries shall be excluded from computation of public liability and property damage insurance as these insurance costs are covered by equipment ownership expense.

   c) Federal Unemployment Insurance is contributed by the employer on the first $7,000 paid to each worker in a calendar year. Year to date employee earnings are to be reported in the force account bill. The Federal rate is 6.2%. However, employers who have made all required payments to their state system in a full and timely manner receive a 5.4% "credit", making the effective Federal rate 0.8%.

   d) State Unemployment Compensation is contributed by the employer on the first $9,000 paid to each worker in a calendar year. Year to date employee earnings are to be reported in the force account bill. These percentages are subject to change by legislative action. Employers who begin operations in Illinois will receive a "starter's rate" based on their industry in either their first two or three calendar years. In 2003 the "starter rate" for industries classified in construction is 3.2%. Thereafter, they receive an experience rate which reflects their experience with the payment of benefit claims. This experience rate in 2003 varies from 0.6% to 7.2% and changes annually. However, employers whose computed rate is 5.5% or higher and total quarterly wages are less than $50,000 pays contributions at a rate of 5.4%. <u>These percentages are subject to change by legislative action.</u>

   e) Federal Social Security Tax is contributed at the rate of 6.2% plus 1.45% for Medicare, a total of 7.65%, on the first $87,000 paid to an individual as wages in calendar 2003. After the first $87,000 in wages, the rate for Medicare continues at 1.45%.

4) Equipment must be identified fully and classified by type, (as shown in the Expense Schedule) **<u>capacity</u> and/or <u>watts</u> (horsepower)**.

Where work extends over more than one week or payroll period, one bill should be submitted whenever possible, listing all labor together and all equipment together.

It will be proper to pay a foreman's salary based on the individual's actual wage and allow actual cost or company average for company contribution to life insurance, health insurance, or pension funds. We will also pay documented travel expense if it applies. Bonuses or profit sharing arrangements will not be allowed. Under some limited circumstances, the contractors superintendent may act as a foreman. In those situations it may be appropriate to pay for those costs as normally would be done for a foreman.

Some flaggers may be shown simply under the laborer wage rate. Others may have a special wage rate for laborers when acting as flaggers. It is also possible for flagger's wage rates to be under traffic control workers rather than laborers. For force account bills the designation flaggers should be used if they are paid a different wage rate than laborers.

This sample bill does not establish any policy relative to the amount to be allowed for any particular item of materials or equipment or as representing actual rates for insurance. Its sole purpose is to <u>standardize the form</u> of force account bills.

SAMPLE OF A FORCE ACCOUNT BILL (USING 2002 RATES) SHOWING FORM TO BE FOLLOWED

CONTRACTOR'S LETTERHEAD

Route _____ Section _____ County _____ Auth. No. _____

Force account bill for Additional Pipe & Collars Contract No. _____

Insert applicable dates

July 2002	1	2	3	Total Hours S.T.	O.T.	Rate	Insurance Amount	Payroll Amount	Earnings to Date	Payroll Amount Eligible for Unemployment Tax F.U.T.	S.U.T.
Matt Reilly, Foreman	6	8	10	22	2	15.60	$374.40	$390.00	$35,000.00	$0.00	$0.00
Tim Seitz, Laborer	6	8	10	22	2	12.50	300.00	312.50	8,000.00	0.00	312.50
Bernie Henderson, Laborer	6	8	10	22	2	12.50	300.00	312.50	6,000.00	312.50	312.50
Earl Roth, Laborer	6	8	10	22	2	12.50	300.00	312.50	7,100.00	212.50	312.50
John Graham, Laborer	6	8	10	22	2	12.50	300.00	312.50	9,100.00	0.00	212.50
Sarah Reid, Truck Driver	6	8	8	22		14.50	319.00	319.00	27,000.00	0.00	0.00
Jeanmarie Smith, Operator	6	8	8	22		17.60	387.20	387.20	40,000.00	0.00	0.00
Subtotals, Labor							$2,280.60	$2,346.20		$525.00	$1,150.00
*Laborer Pension & Welfare Funds – 96 hours @ .32								30.72			
*Operating Engineer Pension & Welfare – 22 hours @ .55								12.10			
Subtotals, Labor								$2,389.02			
Plus 35% of $2,389.02								836.16			
Subtotals, Labor								$3,225.18			
Plus: Workmen's Compensation Ins. 3.48% of $2,280.60							79.36				
Public Liability and Property Damage Ins., excluding payroll of Truck Drivers			2.0% of $1,961.60				39.23				
**Federal Unemployment Tax			0.8% of $525.00				4.20				
***State Unemployment Tax			6.8% of $1,150.00				78.20				
Federal Social Security Tax			7.65% of $2,346.20				179.48				
Total Payroll Additives							380.48				
Plus 10% of $380.48							38.05				
								418.53			
Total Labor								$3,643.71			

*These are not suggested rates, as these rates vary widely between Union Locals. This is intended as an example only.
**Do not include costs for employees which have reached the $7,000 ceiling on Federal Unemployment Tax (F.U.T.)
***Do not include costs for employees which have reached the $9,000 ceiling for State Unemployment Tax (S.U.T.)

I hereby certify that the above statement is a copy of that portion of the payroll which applies to the above stated work and that the rates shown for taxes and insurance are actual costs.

(Signed) _____
(Contractor)

Equipment Expense	1	2	3	Total Hours	Rate		Amount	
Tractor, Dozer, 212,610 W (285 hp)	6	8	8	22	$118.22	(118.22)	$2,600.84	(2,600.84)
Truck, Pickup 0.45 tonne (1/2 ton)	6	8	10	24	9.40	(9.40)	225.60	(225.60)
Truck, dump body 13,608kg (30,000 lbs.),	6	8	8	22	25.98	(25.98)	571.56	(571.56)
Total equipment expense							$3,398.00	(3,398.00)

Material Used

0.6m R.C.P., 19.5 meters @ $14.11 per meter (receipted invoice attached)			$275.16	
(24 in. R.C.P., 64 ft. @ $4.30 per ft)(receipted invoice attached)				(275.20)
Trench backfill, 44.1 tonnes @ $0.937 per tonne (taken from stock)			41.32	
(Trench backfill, 48.6 tons @ $0.85 per ton) (taken from stock)				(41.31)
Portland cement, 6 sacks @ $1.60 (taken from stock)			9.60	(9.60)
Aggregate, 1.4 tonnes @ $1.543 per tonne (taken from stock)			2.16	
(Aggregate, 1.5 tons @ $1.40 per ton) (taken from stock)				(2.10)
Form lumber, 24 pieces, 25.4mm x 152.4mm 4.3m long @ $1.232 per piece (receipted invoice attached)	29.57			
(Form lumber, 24 pieces, 1x6, 14 feet long @ $1.232 per piece) (receipted invoice attached)		(29.57)		
Less salvage value of form lumber, 50%	14.79	(14.79)		
			14.78	(14.78)
Subtotal material			343.02	(342.99)
Plus 15% on $343.02 ($342.99)			51.45	(51.45)
Total material			$394.47	($394.44)

AFFIDAVIT

This is to certify that the material entered on this force account bill which was taken from stock is shown at our cost.

Smith Construction Co.
(Company)

By R. L. Smith

Total Labor	$3,643.71	($3,398.00)
Total Equipment Expense	3,398.00	(3,398.00)
Total Materials	394.47	(394.44)
Total	$7,436.18	($7,436.15)
Bond 0.75%	55.77	(55.77)
Plus 10% of Bond	5.58	(5.58)
Total Bill	$7,497.53	($7,497.50)

Resident

Illinois Department of Transportation

Extra Work Daily Report

EXAMPLE

County

Section

Route

District

Contract No.

Job No.

Project

Contractor Smith Construction Co.

Report No. 1 Date mm/dd/yyyy

Authorization No.

Description and Location of Work Additional Pipe & Collars at Station 00+30

LABOR

Worker Classification	Number of Workers	Hours Worked	Total Hours
Foreman	1	6	6
Laborer	4	6	24
Teamster	1	6	6
Operator	1	6	6

EQUIPMENT USED		MATERIAL USED	
Description: List Manufacturer, Model, Date, Capacity	Number of Hours	Description	Quantity
Caterpillar, D8N, 1992 dozer	6		
212,610 W (285hp)		0.6m (24 in.) RCP	19.5m
			(64 ft.)
Ford, 1990, Pickup	6		
0.45 tonne (1/2 ton)			
GMC, 1990, Dumpbody	6		
13,608 kg (30,000 lb)			

REMARKS:

APPROVED R. L. Smith
Contractor's Representative

APPROVED: Stephanie Jones
State's Representative

Original: Contractor
cc: District File

BC 635 (Rev. 6/77)
IL 494-0426

Illinois Department of Transportation

Extra Work Daily Report

EXAMPLE

County

Section

Route

District

Contract No.

Job No.

Project

Contractor Smith Construction Co.

Report No. 2 Date mm/dd/yyyy

Authorization No.

Description and Location of Work Additional Pipe & Collars at Station 00+30

LABOR

Worker Classification	Number of Workers	Hours Worked	Total Hours
Foreman	1	8	8
Laborer	4	8	32
Teamster	1	8	8
Operator	1	8	8

EQUIPMENT USED		MATERIAL USED	
Description: List Manufacturer, Model, Date, Capacity	Number of Hours	Description	Quantity
Caterpillar, D8N, 1992 dozer	8		
212,610 W (285 hp)		Sand Backfill	44.1 tonne
			(48.6 tons)
Ford, 1990, Pickup	8		
0.45 tonne (1/2 ton)			
GMC, 1990, Dumpbody	8		
13,608 kg (30,000 lb)			

REMARKS:

APPROVED R. L. Smith
Contractor's Representative

APPROVE Stephanie Jones
State's Representative

Original: Contractor
cc: District File

BC 635 (Rev. 6/77)
IL 494-0426

Illinois Department of Transportation

Extra Work Daily Report

EXAMPLE

County

Section

Route

District

Contract No.

Job No.

Project

Contractor Smith Construction Co.

Report No. 3 Date mm/dd/yyyy

Authorization No.

Description and Location of Work Additional Pipe & Collars at Station 00+30

LABOR

Worker Classification	Number of Workers	Hours Worked	Total Hours
Foreman	1	10	10
Laborer	4	8+2 OT	40
Teamster	1	8	8
Operator	1	8	8

EQUIPMENT USED		MATERIAL USED	
Description: List Manufacturer, Model, Date, Capacity	Number of Hours	Description	Quantity
Caterpillar, D8N, 1992 Dozer	8		
212,610 W (285 hp)		Cement	6 sacks
Ford, 1990, Pickup	10	Aggregate	1.4 tonnes
0.45 tonne (1/2 ton)			(1.5 tons)
GMC, 1990, Dumpbody	8	Lumber	24 pcs.
13,608 kg (30,000 lb)		(25.4mm x 152.4mm x 4.3m	
		(1 in. x 6 in. x 14 ft.)	

REMARKS:

APPROVED R. L. Smith
Contractor's Representative

APPROVE Stephanie Jones
State's Representative

Original: Contractor
cc: District File

BC 635 (Rev. 6/77)

2003 Schedule of Average Annual Equipment Ownership Expense

ARROW BOARD

For vehicle mounting, rate for vehicle not included

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 2.45 for all models for a maximum of 176 hours per month
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.897 x 0.50

Trailer mounted, diesel or gasoline powered; rate for trailer included

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 3.10 for all models for a maximum of 176 hours per month
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.723 x 0.50 (Diesel) Hourly Expense Rate x 0.649 x 0.50 (Gasoline)

Trailer mounted, solar powered, rate for trailer included

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 2.05 for all models for a maximum of 176 hours per month
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.903 x 0.50

ATTENUATOR

Crash, for truck mounting, rate for truck not included, one-piece aluminum, one-piece fiberglass

HOURLY EXPENSE RATE =	*Flat rate for all types*
	$ 3.40 for all models for a maximum of 176 hours per month
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.942 x 0.50

Crash, for truck mounting, rate for truck not included, two-piece aluminum

HOURLY EXPENSE RATE =	*Flat rate for all types*
	$ 4.50 for all models for a maximum of 176 hours per month
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.942 x 0.50

ATTENUATOR continued

Impact, sand module, temporary

DAILY EXPENSE RATE =	*Flat rate for all types*
	$ 5.55 for all models for a maximum of 180 days
STANDBY HOURLY RATE =	Upon Request

AUGER

For tractor mounting all sizes

HOURLY EXPENSE RATE =	*Flat rate for all sizes*
	$ 3.75 for all sizes of augers
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.834 x 0.50

BARGE

Deck cargo, all lengths, widths and depths (for a maximum of 176 hours per month)

HOURLY EXPENSE RATE =	*$ 0.1256 times the area of the deck in square meters minus $ 20.00*
	($ 0.105 times the area of the deck in square yards minus $ 20.00)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.537 x 0.50

Hopper, all lengths, widths and depths (for a maximum of 176 hours per month)

HOURLY EXPENSE RATE =	*$ 0.0874 times the area of the deck in square meters minus $ 7.35*
	($ 0.0731 times the area of the deck in square yards minus $7.35)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.576 x 0.50

Sectional, all lengths, widths and depths; locking system included; (for a maximum of 176 hours per month)

HOURLY EXPENSE RATE =	*$ 0.1017 times the area of the deck in square meters plus $ 1.35*
	($ 0.085 times the area of the deck in square yards plus $ 1.35)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.957 x 0.50

BARRICADE

Type I or Type II

DAILY EXPENSE RATE =	*Flat rate for all models*
	$ 1.00 for each type I or type II barricade for a maximum of 180 days
STANDBY HOURLY RATE =	Upon Request

Type III

DAILY EXPENSE RATE =	*Flat rate for all models*
	$ 2.35 for each type III barricade for a maximum of 180 days
STANDBY HOURLY RATE =	Upon Request

BARRIER WALL

Concrete, temporary; 3.05 m (10 ft) section

DAILY EXPENSE RATE =	*Flat rate for all types*
	$ 0.25 for each section for a maximum of 180 days
STANDBY HOURLY RATE =	Upon Request

Lifting Clamp

REIMBURSEMENT RATE =	*Flat rate for all types*
	$ 0.25 for each section placed and removed
STANDBY HOURLY RATE =	Upon Request

BELT LOADER

Portable, diesel powered; including vibratory screen

HOURLY EXPENSE RATE =	*$ 0.0335 times the loader's rating in watts divided by 100 plus $ 37.60*
	($ 0.25 times the horsepower rating of the loader plus $ 37.60)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.670 x 0.50

BOAT

Inland tug, diesel powered; all lengths and types

HOURLY EXPENSE RATE =	*$ 0.03023 times the tugboat's rating in watts divided by 100*
	($ 0.2255 times the horsepower rating of the tugboat)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.465 x 0.50

Push, diesel powered; all models, with deck areas to 150.5 square meters (180 square yards)

HOURLY EXPENSE RATE =	*$ 1.196 times the area of the deck in square meters plus $ 21.70*
	($ 1.00 times the area of the deck in square yards plus $ 21.70)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.497 x 0.50

Runabout, diesel or gasoline powered; all lengths and sizes; inboard or outboard motor

HOURLY EXPENSE RATE =	*Flat rate for all types*
	$ 8.55 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.315 x 0.50

Tow, diesel powered; all models, with deck areas through 129.6 square meters (155 square yards)

HOURLY EXPENSE RATE =	*$ 0.897 times the area of the deck in square meters plus $ 85.70*
	($ 0.75 times the area of the deck in square yards plus $ 85.70)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.440 x 0.50

BROOM

Road, diesel or gasoline powered; Self Propelled; all types and models

HOURLY EXPENSE RATE =	*$ 7.48 times the broom's length in meters minus $ 3.10*
	($ 2.28 times the broom's length in feet minus $ 3.10)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.578 x 0.50 (Diesel) Hourly Expense Rate x 0.491 x 0.50 (Gasoline)

BROOM continued

Road, towed or for carrier mounting PTO, engine or traction driven; all types and models

HOURLY EXPENSE RATE =	*$ 2.6247 times the broom's length in meters*
	($ .80 times the broom's length in feet)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.714 x 0.50 (With Engine) Hourly Expense Rate x 0.870 x 0.50 (Without Engine)

BRUSH CHIPPER

Diesel or gasoline powered; trailer mounted

HOURLY EXPENSE RATE =	*$ 0.0134 times the chipper's rating in watts divided by 100 plus $ 7.55*
	($ 0.101 times the chipper's horsepower rating plus $ 7.55)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.653 x 0.50 (Diesel) Hourly Expense Rate x 0.571 x 0.50 (Gasoline)

BRUSH CUTTER

Boom arm, hydraulic operated rate for truck or tractor not included

HOURLY EXPENSE RATE =	*Flat rate for all types*
	$ 11.35 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.843 x 0.50

Self Propelled, diesel powered; rubber tired; cutter size 2.4 m (8 ft) to 3.0 m (10 ft)

HOURLY EXPENSE RATE =	*Flat rate for all types*
	$ 71.80 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.683 x 0.50

BUCKET

Clamshell, cable operated; re-handling; light weight

HOURLY EXPENSE RATE =	*$ 1.962 times the bucket's capacity in cubic meters plus $ 2.51*
	($ 1.501 times the bucket's capacity in cubic yards plus $ 2.51)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.680 x 0.50

BUCKET continued

Clamshell, cable operated; re-handling; standard

HOURLY EXPENSE RATE =	*$ 2.614 times the bucket's capacity in cubic meters plus $ 2.89* ($ 2.00 times the bucket's capacity in cubic yards plus $ 2.89)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.710 x 0.50

Clamshell, cable operated; round nose; extra heavy duty

HOURLY EXPENSE RATE =	*$ 3.529 times the bucket's capacity in cubic meters plus $ 4.15* ($ 2.70 times the bucket's capacity in cubic yards plus $ 4.15)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.734 x 0.50

Clamshell, cable operated; round nose; heavy duty

HOURLY EXPENSE RATE =	*$ 3.242 times the bucket's capacity in cubic meters plus $ 3.51* ($ 2.48 times the bucket's capacity in cubic yards plus $ 3.51)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.731 x 0.50

Clamshell, cable operated; round nose; standard

HOURLY EXPENSE RATE =	*$ 2.864 times the bucket's capacity in cubic meters plus $ 3.20* ($ 2.191 times the bucket's capacity in cubic yards plus $ 3.20)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.715 x 0.50

Clamshell, cable operated; square nose; extra heavy duty

HOURLY EXPENSE RATE =	*$ 3.163 times the bucket's capacity in cubic meters plus $ 3.95* ($ 2.42 times the bucket's capacity in cubic yards plus $ 3.95)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.731 x 0.50

BUCKET continued

Clamshell, cable operated; square nose; heavy duty

HOURLY EXPENSE RATE =	*$ 3.131 times the bucket's capacity in cubic meters plus $ 3.05* ($ 2.395 times the bucket's capacity in cubic yards plus $ 3.05)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.721 x 0.50

Clamshell, cable operated; square nose; standard

HOURLY EXPENSE RATE =	*$ 3.139 times the bucket's capacity in cubic meters plus $ 1.95* ($ 2.401times the bucket's capacity in cubic yards plus $ 1.95)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.710 x 0.50

Clamshell, cable operated; wide re-handling; light weight

HOURLY EXPENSE RATE =	*$ 2.352 times the bucket's capacity in cubic meters plus $ 2.06* ($ 1.799 times the bucket's capacity in cubic yards plus $ 2.06)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.691 x 0.50

Clamshell, cable operated; wide re-handling; standard

HOURLY EXPENSE RATE =	*$ 2.614 times the bucket's capacity in cubic meters plus $ 2.15* ($ 2.00 times the bucket's capacity in cubic yards plus $ 2.15)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.695 x 0.50

Dragline, cable operated; perforated; heavy weight; including rigging

HOURLY EXPENSE RATE =	*$ 1.663 times the bucket's capacity in cubic meters plus $ 2.06* ($ 1.272 times the bucket's capacity in cubic yards plus $ 2.06)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.722 x 0.50

BUCKET continued

Dragline, cable operated; perforated; light weight; including rigging

HOURLY EXPENSE RATE =	*$ 1.2418 times the bucket's capacity in cubic meters plus $ 2.25*
	($ 0.950 times the bucket's capacity in cubic yards plus $ 2.25)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.710 x 0.50

Dragline, cable operated; perforated; medium weight; including rigging

HOURLY EXPENSE RATE =	*$ 1.5098 times the bucket's capacity in cubic meters plus $ 1.65*
	($ 1.155 times the bucket's capacity in cubic yards plus $ 1.65)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.715 x 0.50

Concrete, air, bottom dump; general purpose

HOURLY EXPENSE RATE =	*$ 2.010 times the bucket's capacity in cubic meters plus $ 5.17*
	($ 1.537 times the bucket's capacity in cubic yards plus $ 5.17)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.728 x 0.50

Concrete, air, laydown; heavy duty

HOURLY EXPENSE RATE =	*$ 1.963 times the bucket's capacity in cubic meters plus $ 6.69*
	($ 1.501 times the bucket's capacity in cubic yards plus $ 6.69)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.735 x 0.50

BUCKET continued

Concrete, manual, laydown; heavy duty

HOURLY EXPENSE RATE =	*$ 1.212 times the bucket's capacity in cubic meters plus $ 4.90* ($ 0.927 times the bucket's capacity in cubic yards plus $ 4.90)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.713 x 0.50

Concrete, manual, laydown; lightweight

HOURLY EXPENSE RATE =	*$ 1.70 times the bucket's capacity in cubic meters plus $ 1.02* ($ 1.30 times the bucket's capacity in cubic yards plus $ 1.02)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.731 x 0.50

Concrete, manual, bottom dump; general purpose

HOURLY EXPENSE RATE =	*$ 1.203 times the bucket's capacity in cubic meters plus $ 4.85* ($ 0.92 times the bucket's capacity in cubic yards plus $ 4.85)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.716 x 0.50

CABLE PLOW

Diesel or gasoline powered, crawler or wheel mounted

HOURLY EXPENSE RATE =	*$ 0.02828 times the tractor's rating in watts divided by 100 plus $ 1.95* ($ 0.211 times the tractor's horsepower rating plus $ 1.95)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.613 x 0.50 (Diesel) Hourly Expense Rate x 0.517 x 0.50 (Gasoline)

COLD PLANER

Loader mounting; all makes and models; rate for loader not included

HOURLY EXPENSE RATE =	*$ 0.02816 times the skid steer loader's rating in watts divided by 100* ($ 0.21 times the skid steer loader's horsepower rating)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.850 x 0.50

COMPACTOR

Vibratory plate, diesel powered; hand-held

HOURLY EXPENSE RATE =	*$ 0.2949 times the plate's rating in watts divided by 100 minus $ 8.10*
	($ 2.20 times the plate's horsepower rating minus $ 8.10)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.823 x 0.50

Vibratory plate, gasoline powered; hand-held

HOURLY EXPENSE RATE =	*$ 0.134 times the plate's rating in watts divided by 100 minus $ 2.50*
	($ 1.00 times the plate's horsepower rating minus $ 2.50)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.507 x 0.50

Vibratory rammer, diesel or gasoline powered; hand-held

HOURLY EXPENSE RATE =	*$ 0.067 times the plate's rating in watts divided by 100 plus $ 1.80*
	($ 0.50 times the plate's horsepower rating plus $ 1.80
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.614 x 0.50

COMPRESSOR

Portable, diesel or gasoline powered; 2 or 4 wheel mounting; reciprocating; rotary sliding vane or screw type

HOURLY EXPENSE RATE =	*$ 1.343 times the air compressor's rating in cubic meters per minute plus $ 3.40*
	($ 0.038 times the air compressor's rating in cubic feet per minute plus $ 3.40)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.417 x 0.50 (Diesel) Hourly Expense Rate x 0.285 x 0.50 (Gasoline)

Tools and accessories, including hoses and attachments with a replacement cost of less than $ 5,000.00

HOURLY EXPENSE RATE =	*Flat rate for all tools*
	$ 2.70 for each combination in operation
STANDBY HOURLY RATE =	Available upon request

COMPRESSOR continued

Tools and accessories, including hoses and attachments with a replacement cost of $ 5,000.00 or more

HOURLY EXPENSE RATE =	*Calculated upon request* Rate may be obtained by filling out the EQUIPMENT EXPENSE RATE DATA SHEET and submitting it to the appropriate District Office.
STANDBY HOURLY RATE =	Available upon request

CRANE

Hydraulic, diesel powered self propelled

HOURLY EXPENSE RATE =	*$ 2.033 times the crane's lifting capacity in tonnes plus $ 15.00* ($ 1.844 times the crane's lifting capacity in tons plus $ 15.00)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.558 x 0.50

Hydraulic, diesel powered upper and/or carrier; truck mounted

HOURLY EXPENSE RATE =	*$ 1.654 times the crane's lifting capacity in plus $ 28.90* ($ 1.50 times the lifting capacity in tons of the crane plus $ 28.90)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.625 x 0.50

Hydraulic, gasoline powered, self propelled; to and including 13.6 tonne (15 ton)

HOURLY EXPENSE RATE =	*$ 1.791 times the lifting capacity in tonnes of the crane plus $ 17.00* ($ 1.625 times the crane's lifting capacity in tons plus $ 17.00)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.478 x 0.50

Mechanical, diesel powered upper and/or carrier; truck mounted; all models to and including 18.14 tonne (20 ton)

HOURLY EXPENSE RATE =	*Flat rate for all types* $ 62.30 for all makes and models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.672 x 0.50

CRANE continued

Mechanical, diesel powered, upper and/or carrier; truck mounted; all models over 18.14 tonne (20 ton)

HOURLY EXPENSE RATE =	*$ 0.9547 times the crane's lifting capacity in tonnes plus $ 45.00*
	($ 0.866 times the crane's lifting capacity in tons plus $ 45.00)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.672 x 0.50

Mechanical, diesel powered; crawler mounted; to and including 181.4 tonne (200 ton)

HOURLY EXPENSE RATE =	*$ 1.0704 times the crane's lifting capacity in tonnes plus $ 71.71*
	($ 0.971 times the crane's lifting capacity in tons plus $ 71.71)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.641 x 0.50

CURING MACHINE

Concrete, diesel powered; all makes and models; frame width 6.1 m (20 ft) to 12.2 m (40 ft)

HOURLY EXPENSE RATE =	*$ 0.0717 times the curing machine's rating in watts divided by 100*
	($ 0.535 times the curing machine's horsepower rating)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.511 x 0.50

DELINEATOR

Barrel

DAILY EXPENSE RATE =	*Flat rate for all types*
	$ 2.35 for each delineator barrel for a maximum of 180 days
STANDBY HOURLY RATE =	Upon Request

DELINEATOR continued

Cone

DAILY EXPENSE RATE =	*Flat rate for all types*
	$ 0.50 for each cone for a maximum of 180 days
STANDBY HOURLY RATE =	Upon Request

DIGGER

Derrick, hydraulic operated for truck mounting; telescoping; 2, 3 or 4 boom sections; rate for truck not included

HOURLY EXPENSE RATE =	*$ 0.6608 times the derrick's lift capacity in kilograms divided by 1000 plus $ 24.93*
	($ 0.30 times the derrick's lift capacity in pounds divided by 1000 plus $ 24.93)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.752 x 0.50

Post Hole, gasoline powered; hand-held; one or two man; including auger

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 1.00 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.574 x 0.50

DISK

For all types of towing; all types and sizes

HOURLY EXPENSE RATE =	*Flat rate for all sizes*
	$ 6.30 for all sizes of disks
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.900 x 0.50

DISK PLOW

For all types of towing; all types and sizes

HOURLY EXPENSE RATE =	*Flat rate for all sizes*
	$ 7.70 for all sizes of disk plows
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.900 x 0.50

DISTRIBUTOR

Bituminous, for truck mounting; complete with burner, tank power unit, spray bar; less propane

HOURLY EXPENSE RATE =	*$ 0.555 times the tank's rated capacity in liters divided by 1000 plus $ 15.10*
	($ 2.10 times the tank's rated capacity in gallons divided by 1000 plus $ 15.10)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.819 x 0.50

Bituminous, trailer mounted; complete with burner, tank power unit, spray bar; including propane; through 3,785.4 liters (1000 gallons)

HOURLY EXPENSE RATE =	*$ 1.744 times the tank's rated capacity in liters divided by 1000 plus $ 6.50*
	($ 6.60 times the tank's rated capacity in gallons divided by 1000 plus $ 6.50)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.718 x 0.50

DRILL

Air track, mobile; including drill and feed, less than 254 millimeters (10 inches)

HOURLY EXPENSE RATE =	*$ 0.3894 times the maximum hole size in millimeters plus $ 6.00*
	($ 9.890 times the maximum hole size in inches plus $ 6.00)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.668 x 0.50

Horizontal, diesel or gasoline powered; self contained

HOURLY EXPENSE RATE =	*$ 0.055 times the borer's rating in watts divided by 100*
	($ 0.41 times the borer's horsepower rating)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.629 x 0.50

DRILL continued

Vertical earth, diesel or gasoline powered, crawler mounted

HOURLY EXPENSE RATE =	*$ 0.1072 times the drill's rating in watts divided by 100 plus $ 49.80*
	($ 0.80 times the drill's horsepower rating plus $ 49.80)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.582 x 0.50

Vertical earth, diesel or gasoline powered, truck mounted

HOURLY EXPENSE RATE =	*$ 0.1475 times the drill's rating in watts divided by 100 plus $ 25.40*
	($ 1.10 times the drill's horsepower rating plus $ 25.40)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.547 x 0.50

EXCAVATOR

Clamshell, diesel powered; crawler mounted; less bucket

HOURLY EXPENSE RATE =	*$ 0.496 times the lift capacity in tonnes when used as a crane plus $ 6.562 times the boom's length in meters plus $14.43*
	($ 0.45 times the lift capacity in tons when used as a crane plus $ 2.00 times the boom's length in feet plus $14.43)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.609 x 0.50

Dragline, diesel powered; crawler mounted; less bucket

HOURLY EXPENSE RATE =	*$ 0.474 times the lift capacity in tonnes when used as a crane plus $ 5.925 times the boom's length in plus $ 26.59*
	($ 0.43 times the lift capacity in tons when used as a crane plus $ 1.806 times the boom's length in feet plus $26.59)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.612 x 0.50

EXCAVATOR continued

Hydraulic, diesel or gasoline powered, crawler mounted; to and including 372,800 W (500 hp); standard model

HOURLY EXPENSE RATE =	($ 0.405 times the excavator's horsepower rating plus $ 1.787 times the bucket's capacity in cubic yards plus $ 2.10)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.582 x 0.50

Hydraulic, diesel or gasoline powered, crawler mounted; to and including 372,800 W (500 hp); long front model

HOURLY EXPENSE RATE =	($ 0.405 times the excavator's horsepower rating plus $ 1.787 times the bucket's capacity in cubic yards plus $ 11.80)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.582 x 0.50

Hydraulic, diesel or gasoline powered; truck mounted; with bucket to and including 1.5 m3 (yd3) capacity

HOURLY EXPENSE RATE =	*$ 39.2385 times the bucket's capacity in cubic meters plus $ 64.66* ($ 30.00 times the bucket's capacity in cubic yards plus $ 64.66)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.611 x 0.50

Hydraulic, diesel or gasoline powered; wheel mounted

HOURLY EXPENSE RATE =	*$ 0.0442 times the excavator's rating in watts divided by 100 plus $ 19.88 times the bucket's capacity in cubic meters plus $ 5.68* ($ 0.33 times the excavator's horsepower plus $ 15.20 times the bucket's capacity in cubic yards plus $ 5.68)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.631 x 0.50

FIELD CULTIVATOR

For all types of towing; all types and sizes

HOURLY EXPENSE RATE =	*Flat rate for all types*
	$ 4.20 for all lengths of field cultivators
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.900 x 0.50

FORKLIFT

Plant and yard, diesel powered; standard

HOURLY EXPENSE RATE =	*$ 1.6497 times the forklift's lifting capacity in kilograms divided by 1000 plus $ 6.05*
	($ 0.749 times the forklift's lifting capacity in pounds divided by 1000 plus $ 6.05)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.491 x 0.50

Plant and yard, gasoline powered; standard

HOURLY EXPENSE RATE =	*$ 2.0925 times the forklift's lifting capacity in kilograms divided by 1000 plus $ 5.17*
	($ 0.95 times the forklift's lifting capacity in pounds divided by 1000 plus $ 5.17)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.458 x 0.50

Rough terrain, diesel powered; high-lift; four-wheel drive

HOURLY EXPENSE RATE =	*$ 4.0946 times the forklift's lifting capacity in kilograms divided by 1000 plus $ 12.55*
	($ 1.859 times the forklift's lifting capacity in pounds divided by 1000 plus $ 12.55)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.559 x 0.50

Rough terrain, gasoline powered; high-lift; four-wheel drive

HOURLY EXPENSE RATE =	*$ 3.7488 times the forklift's lifting capacity in kilograms divided by 1000 plus $ 18.38*
	($ 1.702 times the forklift's lifting capacity in pounds divided by 1000 plus $ 18.38)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.472 x 0.50

GENERATOR SET

All sizes, diesel powered; un-housed; air or water cooled

HOURLY EXPENSE RATE =	*$ 0.131 times the generator's kilowatt rating plus $ 3.55*
	($ 0.131 times the generator's kilowatt rating plus $ 3.55)
STANDBY HOURLY RATE =	Available Upon Request

All sizes, gasoline powered; un-housed; air or water cooled

HOURLY EXPENSE RATE =	*$ 0.211 times the generator's kilowatt rating plus $ 2.05*
	($ 0.211 times the generator's kilowatt rating plus $ 2.05)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.270 x 0.50

HARROW

For all types of towing; all types and sizes

HOURLY EXPENSE RATE =	*Flat rate for all types*
	$ 0.90 for all lengths of harrows
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.900 x 0.50

JOINT CLEANER

Router; walk behind; all makes and models

HOURLY EXPENSE RATE =	*Flat rate for all types*
	$ 4.30 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.662 x 0.50

JOINT SEALER

Trailer mounted; crack filler with pump; all makes and models

HOURLY EXPENSE RATE =	*$ 5.548 times the tank's capacity in liters divided by 1000 plus $ 6.10)*
	($ 21.00 times the tank's capacity in gallons divided by 1000 plus $ 6.10)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.720 x 0.50

LASER

Electronic, including batteries; self-leveling; sewer, dialagrade, spinning, etc.

HOURLY EXPENSE RATE =	*Flat rate for all types*
	$ 2.50 for all makes and models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.900 x 0.50

LINE REMOVER

Cutting heads, for all types of triple rotary line removers

REIMBURSEMENT RATE =	*Calculated in the field*
	The contractor shall be reimbursed for heads by subtracting the salvage value from the actual cost of the cutting heads.
STANDBY HOURLY RATE =	Upon Request

Rotary, diesel or gasoline powered; all models through 11,184 W (15 hp); cutting heads not included

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 4.00 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.704 x 0.50

Shot, all types of shotblasters

REIMBURSEMENT RATE =	*Calculated in the field*
	The contractor shall be reimbursed for the actual cost of the shot less salvage value for all shot expended beyond the initial load.
STANDBY HOURLY RATE =	Upon Request

Shotblaster, all fuel types blast pattern 254 mm (10 in) to 508 mm (20 in); including a full load of shot

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 45.50 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.667 x 0.50

LITE

Flasher

DAILY EXPENSE RATE =	*Flat rate for all types*
	$ 0.20 for each flasher for a maximum of 180 days
STANDBY HOURLY RATE =	Upon Request

Hi-intensity, sign mounted

DAILY EXPENSE RATE =	*Flat rate for all types*
	$ 1.70 for each sign mounted hi-intensity lite for a maximum of 180 days
STANDBY HOURLY RATE =	Upon Request

Steady Burn

DAILY EXPENSE RATE =	*Flat rate for all types*
	$ 0.30 for each steady burn for a maximum of 180 days
STANDBY HOURLY RATE =	Upon Request

MATERIAL TRANSFER DEVICE

Diesel powered

HOURLY EXPENSE RATE =	*$ 0.2078 times the transfer device's rating in watts divided by 100 plus $ 132.40*
	($ 0.155 times the transfer device's horsepower rating plus $ 132.40)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.561 x 0.50

MIXER

Concrete transit, diesel powered, rear discharge

HOURLY EXPENSE RATE =	*$ 1.36 times the mixer's capacity in cubic meters plus $ 70.00*
	($ 1.04 times the mixer's capacity in cubic yards plus $ 70.00)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.520 x 0.50

MIXER continued

Portable, diesel, gasoline or electric powered; trailer mounted; tilting or non-tilting drum

HOURLY EXPENSE RATE =	*$ 0.0402 times the mixer's rating in watts divided by 100 plus $ 8.28*
	($ 0.30 times the mixer's horsepower rating plus $ 8.28)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.646 x 0.50

MOTOR GRADER

Self propelled, diesel or gasoline powered, pneumatic tired; with GVW 10,886.4 kg (24,000 lb.) or less

HOURLY EXPENSE RATE =	*Flat rate for all types*
	$ 30.00 for all makes and models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.618 x 0.50

Self propelled, diesel or gasoline powered, pneumatic tired; with GVW greater than 10,886.4 kg (24,000 lb.)

HOURLY EXPENSE RATE =	*$ 4.6296 times the grader's weight in kilograms divided by 1000 minus $ 18.55*
	($ 2.1 times the grader's weight in pounds divided by 1000 minus $ 18.55)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.618 x 0.50

MOWER

Bar cutter, hydraulic operated; rate for truck or tractor not included

HOURLY EXPENSE RATE =	*Flat rate for all types*
	$ 3.25 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.831 x 0.50

Boom arm, hydraulic operated; rate for truck or tractor not included

HOURLY EXPENSE RATE =	*Flat rate for all types*
	$ 9.10 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.831 x 0.50

MOWER continued

Riding, diesel or gasoline powered

HOURLY EXPENSE RATE =	*$ 3.478 times the mower's cutting width in meters*
	($ 1.06 times the mower's cutting width in inches divided by 12)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.726 x 0.50

Rotary, hydraulic operated; side or rear mounted; rate for tractor not included

HOURLY EXPENSE RATE =	*Flat rate for all types*
	$ 7.05 for all side or rear mounted models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.831 x 0.50

Towed flail, hydraulic operated; rate for truck or tractor not included

HOURLY EXPENSE RATE =	*Flat rate for all types*
	$ 3.35 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.831 x 0.50

MULCHER

Hay or straw, diesel or gasoline powered; trailer mounted

HOURLY EXPENSE RATE =	*$ 0.7331 times the mulcher's work capacity in tonnes per hour plus $ 4.37*
	($ 0.665 times the mulcher's work capacity in tons per hour plus $ 4.37)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.628 x 0.50

PAVEMENT BREAKER

Self propelled, diesel powered; all sizes

HOURLY EXPENSE RATE =	*$ 0.0496 times the machine's rating in watts divided by 100 plus $ 1.30*
	($ 0.37 times the machine's horsepower rating plus $ 1.30)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.692 x 0.50

PAVEMENT BREAKER continued

Self propelled, gasoline powered; all sizes

HOURLY EXPENSE RATE =	*Flat rate for all types*
	$ 29.85 for all makes and models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.510 x 0.50

For tractor mounting, to and including 2,847.2 N·m (2,100 ft-lb.)

HOURLY EXPENSE RATE =	*$ 0.0059 times the hammer's impact energy in newton meters plus $ 2.25*
	($ 0.008 times the hammer's impact energy in foot pounds plus $ 2.25)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.830 x 0.50

For tractor mounting, from 2,848.6 N-m (2,101 ft-lb.) to & including 16,270 N·m (12,000 ft-lb.)

HOURLY EXPENSE RATE =	*$ 0.00258 times the hammer's impact energy in newton meters plus $ 12.15*
	($ 0.0035 times the hammer's impact energy in foot pounds plus $ 12.15)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.817 x 0.50

PAVEMENT MARKER

Self propelled, all fuel types; truck mounted or operator ridden, all models to and including 138,010 W (185 hp)

HOURLY EXPENSE RATE =	*$ 0.03686 times the striper's rating in watts divided by 100 plus $ 3.55*
	($ 0.275 times the striper's horsepower rating plus $ 3.55)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.705 x 0.50

PAVEMENT MARKER continued

Self propelled, all fuel types, truck mounted or operator ridden, all models over 138,010 W (185 hp)

HOURLY EXPENSE RATE =	*Flat rate for all models* $ 54.45 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.556 x 0.50

Walk behind, all types and sizes

HOURLY EXPENSE RATE =	*Flat rate for all models* $ 2.05 for all walk behind models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.687 x 0.50

PAVEMENT PROFILER

Cutting teeth, for all makes and models of profilers

REIMBURSEMENT RATE =	*calculated in the field* The contractor shall be reimbursed for teeth by subtracting the salvage value from the actual cost of the cutting teeth.
STANDBY HOURLY RATE =	Upon Request

Milling machine, diesel powered, wheel or crawler mounted; to and including 352,858 W (473 hp); cutting teeth not included

HOURLY EXPENSE RATE =	*$ 0.0583 times the profiler's rating in watts divided by 100 plus $ 36.80* ($ 0.435 times the profiler's horsepower rating plus $ 36.80)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.661 x 0.50

PAVEMENT PROFILER continued

Milling machine, diesel powered, wheel or crawler mounted; over 352,858 W (473 hp) ; cutting teeth not included

HOURLY EXPENSE RATE =	*$ 0.0425 times the profiler's rating in watts divided by 100 plus $ 92.30*
	($ 0.317 times the profiler's horsepower rating plus $ 92.30)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.661 x 0.50

PAVER

Bituminous, pull type; all sizes and paving widths; with or without drive engine

HOURLY EXPENSE RATE =	*Flat rate for all types*
	$ 5.20 for all models without drive engine $ 8.25 for all models with drive engine
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.899 x 0.50

Bituminous, diesel powered; spreading and finishing machine; crawler mounted

HOURLY EXPENSE RATE =	*$ 7.9828 times the paver's GVW in kilograms divided by 1000 plus $ 19.15*
	($ 3.621 times the paver's GVW in pounds divided by 1000 plus $ 19.15)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.766 x 0.50

Bituminous, diesel powered; spreading and finishing machine; wheel mounted

HOURLY EXPENSE RATE =	*$ 7.3192 times the paver's GVW in kilograms divided by 1000 plus $ 22.35*
	($ 3.32 times the paver's GVW in pounds divided by 1000 plus $ 22.35)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.759 x 0.50

Street & highway, diesel powered slipform

HOURLY EXPENSE RATE =	*$ 0.0906 times the paver's rating in watts divided by 100*
	($ 0.676 times the paver's horsepower rating)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.561 x 0.50

PILE EXTRACTOR

Leads, for all extractors

HOURLY EXPENSE RATE =	*$ 0.3937 times the lead's length in meters plus $ 0.23*
	($ 0.12 times the lead's length in feet plus $ 0.23)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.829 x 0.50

Non-Vibratory, steam or air operated all models; less leads; to and including 2,033.7 N·m (1,500 ft-lb.)

HOURLY EXPENSE RATE =	*$ 0.01807 times the hammer's strike energy in newton meters plus $ 14.40*
	($ 0.0245 times the hammer's strike energy in foot pounds plus $ 14.40)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.950 x 0.50

Vibratory, diesel powered; all models; including guides & caps, less leads; with a maximum hydraulic rating to and including 596,480 W (800 hp)

HOURLY EXPENSE RATE =	*$ 0.02146 times the extractor's maximum hydraulic rating in watts divided by 100 plus $ 11.78*
	($ 0.16 times the extractor's maximum hydraulic horsepower rating plus $ 11.78)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.695 x 0.50

PILE HAMMER

Differential acting, pneumatic powered; all types and models; including guides & caps, less leads

HOURLY EXPENSE RATE =	*$ 0.8866 times the hammer's strike energy in newton meters divided by 1000 plus $ 6.82*
	($ 1.202 times the hammer's strike energy in foot pounds divided by 1000 plus $ 6.82)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.928 x 0.50

PILE HAMMER continued

Double acting, pneumatic powered; all types and models; including guides & caps, less leads

HOURLY EXPENSE RATE =	*$ 0.7855 times the hammer strike energy in newton meters divided by 1000 plus $ 14.98*
	($ 1.065 times the hammer's strike energy in foot pounds divided by 1000 plus $ 14.98)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.921 x 0.50

Hydraulic, diesel powered (NEW)

HOURLY EXPENSE RATE =	*$ 0.04826 times the hammer's rating in watts divided by 100 plus $ 42.71*
	($ 0.36 times the hammer's horse power rating plus $ 42.71)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.921 x 0.50

Leads, for all hammers

HOURLY EXPENSE RATE =	*$ 0.3937 times the lead's length in meters plus $ 0.23*
	($ 0.12 times the lead's length in feet plus $ 0.23)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.829 x 0.50

Single acting, pneumatic powered, all types and models; including guides and caps, less leads; to and including 81,347 N-m (59,999 ft-lb.)

HOURLY EXPENSE RATE =	*$ 0.4757 times the hammer's strike energy in newton meters divided by 1000 plus $ 24.06*
	($ 0.645 times the hammer's strike energy in foot pounds divided by 1000 plus $ 24.06)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.927 x 0.50

Single acting, pneumatic powered, all types and models; including guides and caps, less leads; 81,348 N-m (60,000 ft-lb.) and above

HOURLY EXPENSE RATE =	*$ 0.1844 times the hammer's strike energy in newton meters divided by 1000 plus $ 50.00*
	($ 0.25 times the hammer's strike energy in foot pounds divided by 1000 plus $ 50.00)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.927 x 0.50

PILE HAMMER continued

Single or double acting, diesel powered; all types and models; including guides & caps, less leads

HOURLY EXPENSE RATE =	*$ 0.6454 times the hammer's maximum strike energy in newton meters divided by 1000 plus $ 21.55*
	($ 0.875 times the hammer's maximum strike energy in foot pounds divided by 1000 plus $ 21.55)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.747 x 0.50

Vibratory, diesel powered; all models; including guides & caps, less leads; with a maximum hydraulic rating to and including 596,480 W (800 hp)

HOURLY EXPENSE RATE =	*$0.02414 times the extractor's maximum hydraulic rating in watts divided by 100 plus $ 12.11*
	($ 0.18 times the extractor's maximum hydraulic horsepower rating plus $ 12.11)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.655 x 0.50

PRESSURE WASHER

Cold, gasoline powered, portable

HOURLY EXPENSE RATE =	*$ 0.03619 times the washer's rating in watts divided by 100 plus $ 1.84*
	($ 0.27 times the washer's horsepower rating plus $ 1.84)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.548 x 0.50

PUGMILL

Batch type, portable; less power; with elevator capacity to 113.4 tonnes (125 tons) per hour

HOURLY EXPENSE RATE =	*Flat rate for all models.*
	$91.45 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.732 x 0.50

PUGMILL continued

Batch type, portable; less power; with elevator capacity over 113.4 tonnes (125 tons) per hour

HOURLY EXPENSE RATE =	*$ 0.2458 times the elevator capacity rating in tonnes per hour of the pugmill plus $ 91.45* ($ 0.223 times the elevator capacity rating in tons per hour of the pugmill plus $ 91.45)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.732 x 0.50

PUMP

Centrifugal, diesel powered; portable; tire mounted; heavy duty; self-priming; including hose & coupling

HOURLY EXPENSE RATE =	*$ 0.1299 times the pump size diameter in millimeters minus $ 4.21* ($ 3.30 times the pump size diameter in inches minus $ 4.21)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.496 x 0.50

Centrifugal, gasoline powered; portable; tire mounted; heavy duty; self-priming; including hose & coupling

HOURLY EXPENSE RATE =	*$ 0.1579 times the pump size diameter in millimeters minus $ 2.75* ($ 4.01 times the pump size diameter in inches minus $ 2.75)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.460 x 0.50 (Air Cooled) Hourly Expense Rate x 0.409 x 0.50 (Water Cooled)

Concrete boom, for truck mounting

HOURLY EXPENSE RATE =	*$ 0.131 times the pump's maximum output in cubic meters per hour plus $ 3.281 times the boom's vertical reach in meters minus $ 21.60* ($ 0.10 times the pump's maximum output in cubic yards per hour plus $ 1.00 times the boom's vertical reach in feet minus $ 21.60)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.734 x 0.50

PUMP continued

Concrete working, diesel or gasoline powered; trailer mounted

HOURLY EXPENSE RATE =	*$ 0.0283 times the pump's rating in watts divided by 100 plus $ 10.25* ($ 0.211 times the pump's horsepower rating plus $ 10.25).
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.520 x 0.50

Submersible, electric powered; single and three phase; including motor and cable

HOURLY EXPENSE RATE =	*$ 0.0282 times the pump's rating in watts divided by 100 plus $ 3.53* ($ 0.21 times the pump's horsepower rating plus $ 3.53)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.577 x 0.50

Trash and sewage, diesel powered; portable; tire mounted; self-priming; including hose & couplings

HOURLY EXPENSE RATE =	*$ 0.03794 times the pump's rating in watts divided by 100 plus $ 2.95* ($ 0.283 times the pump's horsepower rating plus $ 2.95)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.509 x 0.50

Trash and sewage, gasoline powered; portable; tire mounted; self-priming; including hose & couplings

HOURLY EXPENSE RATE =	*$ 0.03619 times the pump's rating in watts divided by 100 plus $ 2.51* ($ 0.27 times the pump's horsepower rating plus $ 2.51)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.395 x 0.50

Trash and sewage, electric powered; submersible; including motor and cable

HOURLY EXPENSE RATE =	*$ 0.0134 times the pump's rating in watts divided by 100 plus $ 5.53* ($ 0.10 times the pump's horsepower rating plus $ 5.53)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.707 x 0.50

RAKE

For tractor mounting; rock and root; all types

HOURLY EXPENSE RATE =	*Flat rate for all sizes*
	$ 4.00 for all sizes of rock and root rakes
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.900 x 0.50

For all types of towing; tiller; all types

HOURLY EXPENSE RATE =	*Flat rate for all sizes*
	$ 3.75 for all size tiller rakes
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.900 x 0.50

ROAD LEVELER

For all types of towing drag; all type and sizes

HOURLY EXPENSE RATE =	*Flat rate for all sizes*
	$ 3.50 for all sizes of road levelers
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.900 x 0.50

RIPPER

Tractor attachment, for tractor mounting; single, standard or deep shank; rate for tractor not included

HOURLY EXPENSE RATE =	*$ 0.00408 times the tractor's rating in watts divided by 100 plus $ 9.75*
	($ 0.0304 times the tractor's horsepower rating plus $ 9.75)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.773 x 0.50

Tractor attachment, for tractor mounting; triple shank; rate for tractor not included

HOURLY EXPENSE RATE =	*$ 0.00544 times the tractor's rating in watts divided by 100*
	($ 0.0406 times the tractor's horsepower rating)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.744 x 0.50

ROAD WIDENER

Diesel or gasoline powered; Self propelled

HOURLY EXPENSE RATE =	*$ 0.05375 times the widener's rating in watts divided by 100 plus $ 29.05*
	($ 0.401 times the widener's horsepower rating plus $ 29.05)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.693 x 0.50

ROLLER

Pull type, static, pneumatic; all makes and models to 18.1 tonnes (20 tons)

HOURLY EXPENSE RATE =	*Flat rate for all types*
	$ 14.00 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.675 x 0.50

Pull type, static, pneumatic; all makes and models from 18.1 tonnes (20 tons) to 54.4 tonnes (60 tons)

HOURLY EXPENSE RATE =	*$ 1.433 times the roller's weight in tonnes minus $ 9.00*
	($ 1.30 times the roller's weight in tons minus $ 9.00)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.675 x 0.50

Pull type, static, pneumatic; all makes and models 54.4 tonnes (60 tons) and over

HOURLY EXPENSE RATE =	*$ 1.158 times the roller's weight in tonnes plus $ 17.15*
	($ 1.05 times the roller's weight in tons plus 17.15)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.675 x 0.50

Pull type, vibratory, sheepsfoot or wedgefoot; smooth or pad drum; drum width of 1.4 meters (54 inches) and up

HOURLY EXPENSE RATE =	*$ 0.938 times the roller's rating in watts divided by 100 plus $31.60*
	($ 0.70 times the horsepower rating of the roller plus $31.60)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.552 x 0.50

ROLLER continued

Self propelled, static, diesel powered; tamping/landfill; reclamation, pad foot

HOURLY EXPENSE RATE =	*$ 0.0442 times roller's rating in watts divided by 100 plus $ 6.42* ($ 0.33 times the roller's horsepower rating plus $ 6.42)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.606 x 0.50

Self propelled, static, diesel powered; tamping/landfill; sanitary

HOURLY EXPENSE RATE =	*$ 0.0524 times roller's rating in watts divided by 100 plus $ 25.95* ($ 0.391 times the roller's horsepower rating plus $ 25.95)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.620 x 0.50

Self propelled, static, diesel or gasoline powered; rubber tired (pneumatic)

HOURLY EXPENSE RATE =	*$ 0.0342 times the roller's rating in watts divided by 100 plus $16.13* ($ 0.255 times the roller's horsepower rating plus $ 16.13)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.730 x 0.50

Self propelled, static, diesel or gasoline powered; tandem type

HOURLY EXPENSE RATE =	*$ 1.674 times the roller's weight in tonnes plus $ 5.80* ($ 1.845 times the roller's weight in tons plus $ 5.80)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.541 x 0.50 (Gasoline) Hourly Expense Rate x 0.621 x 0.50 (Diesel)

Self propelled, vibratory, diesel powered; tandem type

HOURLY EXPENSE RATE =	*$ 0.0538 times roller's rating in watts divided by 100 plus $ 8.80* ($ 0.401 times the roller's horsepower rating plus $ 8.80)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.667 x 0.50

ROLLER continued

Self propelled, vibratory, gasoline powered; tandem type

HOURLY EXPENSE RATE =	*$ 0.044 times roller's rating in watts divided by 100 plus $ 2.13*
	($ 0.328 times the roller's horsepower rating plus $ 2.13)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.596 x 0.50

Self propelled, vibratory, diesel or gasoline powered; rubber and/or steel type

HOURLY EXPENSE RATE =	*$ 0.0354 times roller's rating in watts divided by 100 plus $ 9.88*
	($ 0.264 times the roller's horsepower rating plus $ 9.88)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.538 x 0.50

SANDBLASTER

Portable, including hose, nozzle, couplings, etc. with sand capacity to and including 2,721.6kg(6,000 lb.)

HOURLY EXPENSE RATE =	*Flat rate for all types*
	$ 2.25 for all makes and models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.767 x 0.50

Portable, including hose, nozzle, couplings, etc. with sand capacity over 2,721.6 kg (6,000 lb.)

HOURLY EXPENSE RATE =	*$ 0.2643 times the sandpot's capacity in kilograms divided by 1000 plus $ 11.00*
	($ 0.12 times the sandpot's capacity in pounds divided by 1000 plus $ 11.00)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.767 x 0.50

SAW

Blade or cutting teeth, for all makes and models

REIMBURSEMENT RATE =	*Calculated in the field* The contractor shall be reimbursed for blade/teeth by subtracting the salvage value from the actual cost of the blade/teeth.
STANDBY HOURLY RATE =	Upon Request

Concrete, gasoline powered; excluding blade

HOURLY EXPENSE RATE =	*$ 0.0349 times the saw's rating in watts divided by 100 plus $ 1.52* ($ 0.26 times the saw's horsepower rating plus $ 1.52)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.430 x 0.50

Rock or pavement, diesel powered; wheel or crawler mounted; excluding cutting teeth

HOURLY EXPENSE RATE =	*$ 0.05362 times the rock saw's rating in watts divided by 100 plus $ 4.55* ($ 0.40 times the rock saw's horsepower rating plus $ 4.55)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.717 x 0.50

SCRAPER

Dual engine, diesel powered; conventional; self propelled

HOURLY EXPENSE RATE =	*$ 0.063 times the tractor's rating in watts divided by 100r plus $ 40.21* ($ 0.47 times the tractor's horsepower rating plus $ 40.21)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.516 x 0.50

SCRAPER continued

Single engine, diesel powered; conventional; self propelled

HOURLY EXPENSE RATE =	*$ 0.06702 times the tractor's rating in watts divided by 100 minus $ 29.25*
	($ 0.50 times the tractor's horsepower rating minus $ 29.25)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.549 x 0.50

Single engine, diesel powered; elevating; self propelled

HOURLY EXPENSE RATE =	*$ 0.06702 times the tractor's rating in watts divided by 100 plus $13.43*
	($ 0.50 times the tractor's horsepower rating plus $ 13.43)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.545 x 0.50

Pull type (NEW)

HOURLY EXPENSE RATE =	*$ 1.3079 times the metric capacity of the scraper plus $1.21*
	($ 1.00 times the capacity of the scraper plus $1.21)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.622 x 0.50

SEEDER

For all types of towing; broadcast; all sizes

HOURLY EXPENSE RATE =	*Flat rate for all types*
	$ 2.05 for all size broadcast seeders
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.900 x 0.50

For all types of towing culi-packer; all sizes

HOURLY EXPENSE RATE =	*Flat rate for all types*
	$ 2.30 for all size culi-packer seeders
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.900 x 0.50

SEWER EQUIPMENT

Cleaner, diesel or gasoline powered; truck mounted; catch basin and manhole; vacuum type

HOURLY EXPENSE RATE =	*$ 4.1824 times the cleaner's capacity in cubic meters*
	($ 3.20 times the cleaner's capacity in cubic yards)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.622 x 0.50

Cleaner, diesel or gasoline powered; truck mounted; sewer; including high pressure pump and water tank

HOURLY EXPENSE RATE =	*$ 0.0032 times the cleaner's water tank capacity in liters*
	($ 0.012 times the cleaner's water tank capacity in gallons)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.407 x 0.50

TV Inspection, diesel or gasoline powered; truck mounted; all makes and models

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 52.00 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.578 x 0.50

SHOVEL

Hydraulic, diesel powered; crawler mounted; including bucket; through 969,800 W (1,300 hp)

HOURLY EXPENSE RATE =	*$ 10.457 times the bucket's capacity in cubic meters plus $ 0.03365 times the shovel's rating in watts divided by 100 plus $ 40.12*
	($ 8.00 times the bucket's capacity in cubic yards plus $ 0.251 times the shovel's horsepower rating plus $ 40.12)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.596 x 0.50

SIGN

Changeable message, diesel or gasoline; trailer mounted; rate for trailer included

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 10.30 for all models for a maximum of 176 hours per month
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.859 x 0.50

SIGN continued

Changeable message, solar powered, trailer mounted, rate for trailer included

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 8.15 for all models for a maximum of 176 hours per month
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.957 x 0.50

Engineer Grade

DAILY EXPENSE RATE =	*Flat rate for all types*
	$ 0.90 for each engineer grade sign for a maximum of 180 days
STANDBY HOURLY RATE =	Upon Request

Fluorescent Orange

DAILY EXPENSE RATE =	*Flat rate for all types*
	$ 2.70 for each fluorescent orange sign for a maximum of 180 days
STANDBY HOURLY RATE =	Upon Request

Hi-Intensity

DAILY EXPENSE RATE =	*Flat rate for all types*
	$ 1.70 for each hi-intensity sign for a maximum of 180 days
STANDBY HOURLY RATE =	Upon Request

Speed zone, solar powered; 45 miles per hour

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 1.35 for each 45 mph speed zone sign for a maximum of 176 hours per month
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.963 x 0.50

SNOW BLOWER

Rotary, for truck mounting; mechanical or hydrostatic drive; rate for tractor not included

HOURLY EXPENSE RATE =	*$ 0.0452 times the snow blower's capacity in tonnes per hour plus $ 12.60*
	($ 0.041 times the snow blower's capacity in tons per hour plus $ 12.60)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.788 x 0.50

Rotary, for tractor mounting detachable; PTO driven; all sizes; rate for tractor not included

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 4.00 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.792 x 0.50

Self propelled, diesel or gasoline powered hydrostatic drive

HOURLY EXPENSE RATE =	*$ 0.01874 times the snow blower's capacity in tonnes per hour plus $ 80.65*
	($ 0.017 times the snow blower's capacity in tons per hour plus $ 80.65)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.682 x 0.50

SNOW PLOW

Leveling wing, for truck mounting; right & left reversible; rate for truck not included

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 16.40 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.790 x 0.50

One-way, for truck mounting; rate for truck not included

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 8.50 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.790 x 0.50

SNOW PLOW continued

One-way, for grader mounting, 2.4 m (8 ft) to 3 m (9 ft 11 in); rate for grader not included

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 9.70 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.602 x 0.50

One-way, for grader mounting, 3.1 m (10 ft) and up; rate for grader not included

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 12.80 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.602 x 0.50

Patrol wing, for truck mounting; rate for truck not included

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 9.85 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.790 x 0.50

Reversible, for truck mounting; rate for truck not included

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 9.50 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.790 x 0.50

Snow wing, for grader mounting; hydraulic operated; all sizes; rate for grader not included

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 14.50 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.602 x 0.50

V-Plow, for truck mounting; rate for truck not included

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 10.55 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.790 x 0.50

SNOW PLOW continued

V-Plow, for truck mounting with leveling wing; rate for truck not included

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 20.55 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.790 x 0.50

V-Plow, for grader mounting, with swath to 3.6 m (11 ft 11 in); rate for grader not included

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 14.65 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.602 x 0.50

V-Plow, for grader mounting, with swath 3.7 m (12 ft) and up; rate for grader not included

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 23.85 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.602 x 0.50

SPACE HEATER

Oil, kerosene or LP gas fired; kerosene or liquid propane gas costs not included

HOURLY EXPENSE RATE =	*$ 0.01638 times the space heater's output per hour in watts divided by 1000 plus $ 0.45*
	($ 0.0048 times the space heater's output per hour in British thermal units divided by 1000 plus $ 0.45)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.772 x 0.50

SPRAYER

Seed, diesel powered; for truck mounting (rate for truck not included); all makes and models

HOURLY EXPENSE RATE =	*$ 1.162 times the seed sprayer's capacity in liters divided by 1000 plus $ 5.45*
	($ 4.40 times the seed sprayer's capacity in gallons divided by 1000 plus $ 5.45)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.655 x 0.50

SPRAYER continued

Seed, gasoline powered; for truck mounting (rate for truck not included); all makes and models

HOURLY EXPENSE RATE =	*$ 1.585 times the seed sprayer's capacity in liters divided by 1000 plus $ 3.07*
	($ 6.00 times the seed sprayer's capacity in gallons divided by 1000 plus $ 3.07)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.634 x 0.50

Seed, diesel or gasoline powered; trailer mounted (rate for trailer included); all makes and models

HOURLY EXPENSE RATE =	*$ 2.113 times the seed sprayer's capacity in liters divided by 1000 plus $ 4.35*
	($ 8.00 times the seed sprayer's capacity in gallons divided by 1000 plus $ 4.35)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.739 X 0.50 (Diesel) Hourly Expense Rate x 0.666 x 0.50 (Gasoline)

SPREADER

Chemical, for truck or trailer mounting; general purpose; all sizes; rate for truck or trailer not included

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 3.45 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.693 x 0.50

Chip or aggregate, diesel or gasoline powered; Self Propelled; all sizes

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 51.70 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.698 x 0.50

SPREADER continued

Chip or aggregate, towed or for carrier mounting all sizes; with auger or chain conveyor; rate for truck not included

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 2.85 for all models
STANDBY HOURLY RATE =	Available Upon Request

Salt or sand, for truck mounting; gasoline powered; chassis cab/dump; all types; rate for truck not included

HOURLY EXPENSE RATE =	*Flat rate for all types*
	$ 7.05 for all types
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.660 x 0.50

Salt or sand, for truck mounting; PTO powered; chassis cab/dump; all types; rate for truck not included

HOURLY EXPENSE RATE =	*Flat rate for all types*
	$ 3.60 for all types
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.792 x 0.50

Salt or sand, for truck mounting; PTO powered; dump body; all types; rate for truck not included

HOURLY EXPENSE RATE =	*Flat rate for all types*
	$ 5.90 for all types
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.792 x 0.50

Salt or sand, for truck mounting; PTO powered; tailgate or pick-up; all types; rate for truck not included

HOURLY EXPENSE RATE =	*Flat rate for all types*
	$ 3.00 for all types
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.792 x 0.50

SPREADER continued

Shoulder, for grader mounting; all sizes; maintenance machine; rate for grader not included

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 10.40 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.750 x 0.50

STABILIZER/RECLAIMER

Pull-Type, diesel or gasoline powered; bituminous; all sizes

HOURLY EXPENSE RATE =	*Flat rate for all types*
	$ 32.35 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.766 x 0.50

Self propelled, diesel powered; bituminous

HOURLY EXPENSE RATE =	*$ 0.03284 times the stabilizer rating in watts divided by 100 plus $ 30.80*
	($ 0.245 times the stabilizer's horsepower rating plus $ 30.80)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.682 x 0.50

STRAW PUNCHER

For all types of towing; all types and sizes

HOURLY EXPENSE RATE =	*Flat rate for all types*
	$ 2.80 for all straw punchers
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.900 x 0.50

SWEEPER

Pick-Up, diesel or gasoline powered; all types and sizes

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 45.55 for all makes and models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.622 x 0.50

TAR KETTLE

Trailer mounted; including brakes and air spray equipment

HOURLY EXPENSE RATE =	*$ 1.5058 times the kettle's capacity in liters divided by 1000 plus $ 2.50*
	($ 5.70 times the kettle's capacity in gallons divided by 1000 plus $ 2.50)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.875 x 0.50

TRACTOR

Dozer, diesel powered; crawler mounted, standard or LGP; including dozer blade and ROPS

HOURLY EXPENSE RATE =	*$ 0.05228 times the tractor's rating in watts divided by 100 plus $ 7.07*
	($ 0.39 times the tractor's horsepower rating plus $ 7.70)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.581 x 0.50

Dozer, diesel powered; wheel mounted; including dozer blade and ROPS

HOURLY EXPENSE RATE =	*$ 0.05027 times the tractor's rating in watts divided by 100 minus $ 6.10*
	($ 0.375 times the tractor's horsepower rating minus $ 6.10)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.654 x 0.50

Farm-Type, diesel or gasoline powered; all makes and models

HOURLY EXPENSE RATE =	*$ 0.02735 times the tractor's rating in watts divided by 100 plus $ 2.27*
	($ 0.204 times the tractor's horsepower rating plus $ 2.27)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.594 x 0.50

Industrial, diesel powered; including ROPS

HOURLY EXPENSE RATE =	*$ 0.02735 times the tractor's rating in watts divided by 100 plus $ 2.27*
	($ 0.204 times the tractor's horsepower rating plus $ 2.27)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.594 x 0.50

TRACTOR continued

Loader, diesel or gasoline powered; crawler mounted; including bucket

HOURLY EXPENSE RATE =	*$ 0.06408 times the loader's rating in watts divided by 100 minus $ 5.62* ($ 0.478 times the loader's horsepower rating minus $ 5.62)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.675 x 0.50

Loader, diesel or gasoline powered; skid steer; including bucket

HOURLY EXPENSE RATE =	*$ 0.02695 times the loader's rating in watts divided by 100 plus $ 5.93* ($ 0.201 times the loader's horsepower rating plus $ 5.93)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.656 x 0.50 (Diesel) Hourly Expense Rate x 0.638 x 0.50 (Gasoline)

Loader, diesel or gasoline powered; wheel mounted; including bucket; to and including 223,680 W (300 hp)

HOURLY EXPENSE RATE =	*$ 0.03311 times the loader's rating in watts divided by 100 plus $ 3.43* ($ 0.247 times the loader's horsepower rating plus $ 3.43)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.600 x 0.50

Loader – Backhoe, diesel or gasoline powered; including buckets and ROPS

HOURLY EXPENSE RATE =	*$ 0.06702 times the tractor's rating in watts divided by 100 minus $ 11.67* ($ 0.50 times the tractor's horsepower rating minus $ 11.67)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.571 x 0.50

TRAILER

Dump, on highway rear dump semi trailer

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 8.78 for all types and models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.619 x 0.50

Dump, on highway rear dump full trailer

HOURLY EXPENSE RATE =	*$ 0.474 times the trailer's rated payload in tonnes plus $ 4.68*
	($ 0.43 time the trailer's rated payload in tons plus $4.68)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.630 x 0.50

Dump, on highway rear dump transfer trailers

HOURLY EXPENSE RATE =	*$ 0.6536 times the trailer's total capacity (front & rear) in cubic meters plus $ 2.50*
	($ 0.50 times the trailer's total capacity (front & rear) in cubic yards plus $ 2.50)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.649 x 0.50

Field office, standard; all sizes and types

HOURLY EXPENSE RATE =	*Flat rate for all models*
	$ 1.77 for all models for a maximum of 40 hours per week; 176 hours per month
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.644 x 0.50

Fixed gooseneck, drop deck or flush deck; dual wheels; all lengths

HOURLY EXPENSE RATE =	*$ 0.1621 times the trailer's rated capacity in tonnes plus $ 5.22*
	($ 0.147 times the trailer's rated capacity in tons of the trailer plus $ 5.22)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.606 x 0.50

TRAILER continued

Folding gooseneck, drop deck or flush deck; dual wheels; all lengths

HOURLY EXPENSE RATE =	*$ 0.2139 times the trailer's rated capacity in tonnes plus $ 4.94* ($ 0.194 times the trailer's rate capacity in tons plus $ 4.94)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.629 x 0.50

Lowboy or flatbed, all types

HOURLY EXPENSE RATE =	*$ 0.1621 times the trailer's rated capacity in tonnes plus $ 5.22* ($ 0.147 times the trailer's rated capacity in tons plus $ 5.22)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.606 x 0.50

Utility, pole or box, all types and sizes

HOURLY EXPENSE RATE =	*Flat rate based on deck length* $ 3.45 w/length to 6.0 m (20 ft) $ 5.00 w/length 6.1 m (20.1 ft) to 7.3 m (24 ft) $ 7.05 w/length 7.31 m (24.1 ft) and over
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.579 x 0.50

Water, with pump and spraybar

HOURLY EXPENSE RATE =	*$ 0.2774 times the tank's capacity in liters divided by 1000 plus $ 8.95* ($ 1.05 times the tank's capacity in gallons divided by 1000 plus $ 8.95)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.587 x 0.50

TREE CUTTER (V)

For tractor mounting; all types and sizes

HOURLY EXPENSE RATE =	*Flat rate for all types* $ 6.25 for all sizes of V-tree cutters
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.900 x 0.50

TRENCH BOX

Steel or aluminum, single or double wall; all lengths and depths; including braces
NOTE: Area equals depth times length

HOURLY EXPENSE RATE =	*$ 0.4629 times the box's area in square meters plus $ 3.05* ($ 0.043 times the box's area in square feet plus $ 3.05)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.900 x 0.50

TRENCHER

Chain type, diesel powered; crawler mounted

HOURLY EXPENSE RATE =	*$ 0.05938 times the trencher's rating in watts divided by 100 plus $ 7.60* ($ 0.443 times the trencher's horsepower rating plus $ 7.60)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.768 x 0.50

Chain type, diesel powered; wheel mounted

HOURLY EXPENSE RATE =	*$ 0.04879 times the trencher's rating in watts divided by 100* ($ 0.364 times the trencher's horsepower rating)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.735 x 0.50

Wheel type, diesel powered; crawler or rubber tired

HOURLY EXPENSE RATE =	*Calculated upon request* Rate may be obtained by filling out the EQUIPMENT EXPENSE RATE DATA SHEET and submitting it to the appropriate District Office.
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.836 x 0.50

TRIMMER

Concrete, diesel powered; costs for replacing cutting teeth not included; all makes and models

HOURLY EXPENSE RATE =	*$ 41.01 times the trimming width in meters plus $ 21.75*
	($ 12.50 times the trimming width in feet plus $ 21.75)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.644 x 0.50

Cutting teeth, for all makes and models of trimmers

REIMBURSEMENT RATE =	*Calculated in the field*
	The contractor shall be reimbursed for teeth by subtracting the salvage value from the actual cost of the cutting teeth.
STANDBY HOURLY RATE =	Upon Request

TRUCK

Aerial bucket, diesel or gasoline powered; including personnel basket

HOURLY EXPENSE RATE =	*$ 0.8025 times the truck's GVW in kilograms divided by 1000 plus $ 1.35 times the boom length in meters plus $ 6.45*
	($ 0.364 times the truck's GVW in pounds divided by 1000 plus $ 0.41 times the boom length in feet plus $ 6.45)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.455 x 0.50 (Diesel) Hourly Expense Rate x 0.279 x 0.50 (Gasoline)

Flatbed, stakebody or cabin chassis, diesel or gasoline powered; all models; 4x2, 6x4, etc.

HOURLY EXPENSE RATE =	*$ 0.8025 times the truck's GVW in kilograms divided by 1000 plus $ 10.58*
	($ 0.364 times the truck's GVW in pounds divided by 1000 plus $ 10.58)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.437 x 0.50 (Diesel) Hourly Expense Rate x 0.252 x 0.50 (Gasoline)

TRUCK continued

Light duty, diesel or gasoline powered; pickup or van; with conventional or crew cab; 4x2 or 4x4; from 0.453 tonne (1/2 ton) to and including 0.907 tonne (1 ton)

HOURLY EXPENSE RATE =	*Flat rate for all models* ($ 9.40 for all makes and models)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.533 x 0.50 (Diesel) Hourly Expense Rate x 0.381 x 0.50 (Gasoline)

Post driver, diesel or gasoline powered, without auger; hydraulic or drophammer

HOURLY EXPENSE RATE =	*$ 0.7297 times the truck's GVW in kilograms divided by 1000 plus $ 42.18* ($ 0.331 times the truck's GVW in pounds divided by 1000 plus $ 42.18)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.790 x 0.50

Post driver, diesel or gasoline powered, with auger; hydraulic or drophammer

HOURLY EXPENSE RATE =	*$ 0.7297 times the truck's GVW in kilograms divided by 1000 plus $ 48.53* ($ 0.331 times the truck's GVW in pounds divided by 1000 plus $ 48.53)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.790 x 0.50

Rear dump, off highway, articulated, diesel powered, all models

HOURLY EXPENSE RATE =	*$ 0.02855 time the truck's rating in watts divided by 100 plus $ 6.10* ($ 0.213 times the truck's horsepower rating plus $ 6.10)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.638 x 0.50

Rear dump, off highway, mechanical drive, diesel powered, all models

HOURLY EXPENSE RATE =	*$ 0.01836 times the truck's rating in watts divided by 100 plus $ 20.50* ($ 0.137 times the truck's horsepower rating plus $ 20.50)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.611 x 0.50

TRUCK continued

Rear dump, on highway, diesel or gasoline powered; all models

HOURLY EXPENSE RATE =	*$ 1.1023 times the truck's maximum GVW in kilograms divided by 1000 plus $ 10.98* ($ 0.50 times the truck's maximum GVW in pounds divided by 1000 plus $ 10.98)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.445 x 0.50 (Diesel) Hourly Expense Rate x 0.313 x 0.50 (Gasoline)

Service or line, diesel or gasoline powered; with any combination of: generator, lift boom, fuel or water tank, welder, air compressor, winch, shop tools, etc.

HOURLY EXPENSE RATE =	*$ 0.8025 times the truck's GVW in kilograms divided by 1000 plus $ 14.55* ($ 0.364 times the truck's GVW in pounds divided by 1000 plus $ 14.55)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.437 x 0.50 (Diesel) Hourly Expense Rate x 0.252 x 0.50 (Gasoline)

Tractor, diesel or gasoline powered; all types; 4x2, 4x4, 6x4, etc.

HOURLY EXPENSE RATE =	*$ 0.8377 times the tractor's GVW in kilograms divided by 1000 plus $ 15.50* ($ 0.38 times the tractor's GVW in pounds divided by 1000 plus $ 15.50)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.449 x 0.50 (Diesel) Hourly Expense Rate x 0.262 x 0.50 (Gasoline)

Water tanker, diesel powered; all models; 4x2, 6x4, etc.

HOURLY EXPENSE RATE =	*$ 2.378 times the tank's capacity in liters divided by 1000 minus $ 6.05* ($ 9.00 times the tank's capacity in gallons divided by 1000 minus $ 6.05)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.552 x 0.50

TRUCK continued

Water tanker, gasoline powered, all models, 4x2, 6x4, etc.

HOURLY EXPENSE RATE =	*$ 0.784 times the tank's capacity in liters divided by 1000 plus $14.10*
	($ 2.966 times the tank's capacity in gallons divided by 1000 plus $14.10)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.407 x 0.50

TUBE FINISHER

Concrete, diesel powered; all makes and models; finishing width 6.1 m (20 ft) to 12.2 m (40 ft)

HOURLY EXPENSE RATE =	*Flat rate for all types*
	$ 38.40 for all models
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.590 x 0.50

WELDER

Portable, electric powered; trailer mounted; electric costs not included

HOURLY EXPENSE RATE =	*$ 0.015 times the electric current's strength in coulombs minus $ 0.76*
	($ 0.015 times the electric current's strength in amperes minus $ 0.76)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.837 x 0.50

Portable, diesel powered; trailer mounted

HOURLY EXPENSE RATE =	*$ 0.02761 times the welder's rating in watts divided by 100 plus $ 0.57*
	($ 0.206 times the welder's horsepower rating plus $ 0.57)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.256 x 0.50

Portable, gasoline powered; trailer mounted

HOURLY EXPENSE RATE =	*$ 0.02011 times the welder's rating in watts divided by 100 plus $ 0.87*
	($ 0.15 times the welder's horsepower rating plus $ 0.87)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.224 x 0.50

WORK PLATFORM

Articulated boom, diesel powered; self propelled

HOURLY EXPENSE RATE =	*$ 2.0669 times the platform's maximum elevation in meters minus $ 7.65* ($ 0.63 times the platform's maximum elevation in feet minus $ 7.65)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.745 x 0.50

Articulated boom, electric powered; self propelled; including batteries

HOURLY EXPENSE RATE =	*$ 1.3648 times the platform's maximum elevation in meters minus $ 3.57* ($ 0.416 times the platform's maximum elevation in feet minus $ 3.57)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.767 x 0.50

Articulated boom, gasoline powered self propelled

HOURLY EXPENSE RATE =	*$ 2.0341 times the platform's maximum elevation in meters minus $ 7.22* ($ 0.62 times the platform's maximum elevation in feet minus $ 7.22)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.708 x 0.50

Scissor lift, diesel powered; Self propelled

HOURLY EXPENSE RATE =	*$ 0.853 times the maximum elevation in meters of the platform plus $ 6.43* ($ 0.26 times the maximum elevation in feet of the platform plus $ 6.43)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.730 x 0.50

Scissor lift, gasoline powered; self propelled

HOURLY EXPENSE RATE =	*$ 0.8793 times the platform's maximum elevation in meters plus $ 6.28* ($ 0.268 times the platform's maximum elevation in feet plus $ 6.28)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.678 x 0.50

WORK PLATFORM continued

Scissor lift, electric powered; self propelled; including batteries

HOURLY EXPENSE RATE =	*$ 1.2139 times the platform's maximum elevation in meters minus $ 2.70*
	($ 0.37 times the platform's maximum elevation in feet minus $ 2.70)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.771 x 0.50

Telescopic boom, diesel powered; self propelled

HOURLY EXPENSE RATE =	*$ 1.9685 times the platform's maximum elevation in meters plus $ 1.23*
	($ 0.60 times the platform's maximum elevation in feet plus $ 1.23)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.746 x 0.50

Telescopic boom, electric powered; self propelled; including batteries

HOURLY EXPENSE RATE =	*$ 1.7257 times the platform's maximum elevation in meters minus $ 4.25 to a maximum of 12.2 meters*
	($ 0.526 times the platform's maximum elevation in feet minus $ 4.25 to a maximum of 40 feet)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.776 x 0.50

Telescopic boom, gasoline powered; self propelled

HOURLY EXPENSE RATE =	*$ 1.9521 times the platform's maximum elevation in meters plus $ 2.42)*
	($ 0.595 times the platform's maximum elevation in feet plus $ 2.42)
STANDBY HOURLY RATE =	Hourly Expense Rate x 0.699 x 0.50

Appendix A
Calculation Examples
(Using 2002 Rates)

(Standby calculation examples in English only)

BUCKETS

Given: a 3.06 m^3 (4.0 yd^3) laydown, lightweight, manual concrete bucket

HOURLY EXPENSE RATE =	*Metric: $ 1.70 TIMES 3.06 PLUS $ 0.95 EQUALS $ 6.15*
	English:($ 1.30 TIMES 4.0 PLUS $ 0.95 EQUALS $ 6.15)
STANDBY HOURLY RATE =	($ 6.15 TIMES 0.732 TIMES 0.50 EQUALS $ 2.25)

COMPRESSOR

Given: a rotary –screw type 10.6 m^3 (375 $ft.^3$), diesel powered, 4 wheel, pneumatic tired portable air compressor

HOURLY EXPENSE RATE =	*Metric: $ 1.343 TIMES 10.6 PLUS $ 3.40 EQUALS $ 17.64*
	English:($ 0.038 TIMES 375 PLUS $ 3.40 EQUALS $ 17.65)
STANDBY HOURLY RATE =	($ 17.65 TIMES 0.418 TIMES 0.50 EQUALS $3.69)

CRANE

Given: a hydraulic, self-propelled, diesel powered crane with a 33.5 m (110 ft) boom and a lifting capacity of 45.4 tonne (50 ton)

HOURLY EXPENSE RATE =	*Metric: $ 2.033 TIMES 45.4 PLUS $ 15.00 EQUALS $ 107.30*
	English:($ 1.844 TIMES 50 PLUS $ 15.00 EQUALS $ 107.20)
STANDBY HOURLY RATE =	($ 107.20 TIMES 0.558 TIMES 0.50 EQUALS $29.91)

DISTRIBUTOR

Given: a trailer mounted, 3,785.4 liter (1,000 gallon), bituminous distributor

HOURLY EXPENSE RATE =	*Metric: $ 1.744 TIMES 3,785.4 DIVIDED BY 1000 PLUS $ 6.50 EQUALS $ 13.10*
	English:($ 6.60 TIMES 1000 DIVIDED BY 1000 PLUS $ 6.50 EQUALS $ 13.10)
STANDBY HOURLY RATE =	($ 13.10 TIMES 0.718 TIMES 0.50 EQUALS $4.70)

Appendix A
Calculation Examples Continued
(Standby calculation examples in English only)

EXCAVATOR
Given: a crawler mounted, diesel powered, 1.15 m^3 (1.5 yd^3), 149, 200 W (200 hp) standard model, hydraulic elevator

HOURLY EXPENSE RATE =	*Metric:*	*$ 0.05362 TIMES 149,200 DIVIDED BY 100 PLUS $ 3.9234 TIMES 1.15 PLUS $ 9.25 EQUALS $ 93.76*
	English:	($ 0.40 TIMES 200 PLUS $ 3.00 TIMES 1.5 PLUS $ 9.25 EQUALS $ 93.75)
STANDBY HOURLY RATE =		($ 93.75 TIMES 0.601 TIMES 0.50 EQUALS $28.17)

GENERATOR
Given: a large, un-housed, water cooled, diesel powered, 159,560 W (214 hp), 150 kilowatt generator

HOURLY EXPENSE RATE =	*Metric:*	*$ 0.131 TIMES 150 PLUS $ 3.55 EQUALS $ 23.20*
	English:	($ 0.131 TIMES 150 PLUS $ 3.55 EQUALS $ 23.20)
STANDBY HOURLY RATE =		($ 23.20 TIMES 0.270 TIMES 0.50 EQUALS $ 3.13)

MOTOR GRADER
Given: a diesel powered, 13,232 kg (29,170 lb.), 111,840 W (150 hp) grader

HOURLY EXPENSE RATE =	*Metric:*	*$ 4.6296 TIMES 13,232 DIVIDED BY 1000 MINUS $ 18.55 EQUALS $ 42.71*
	English:	($ 2.10 TIMES 29,170 DIVIDED BY 1000 MINUS $ 18.55 EQUALS $ 42.71)
STANDBY HOURLY RATE =		($ 42.71 TIMES 0.618 TIMES 0.50 EQUALS $ 13.20)

ROLLER
Given: a pull type, pneumatic, 45.4 tonne (50 ton) static roller

HOURLY EXPENSE RATE =	*Metric:*	*$ 1.433 TIMES 45.4 MINUS $ 9.00 EQUALS $ 56.06*
	English:	($ 1.30 TIMES 50 MINUS $ 9.00 EQUALS $ 56.00)
STANDBY HOURLY RATE =		($ 56.00 TIMES 0.675 TIMES 0.50 EQUALS $ 18.90)

SCRAPER
Given: a diesel powered 358,080 W (480 hp), conventional, single engine scraper

HOURLY EXPENSE RATE =	*Metric: $ 0.6702 TIMES 358,080 DIVIDED BY 100 MINUS $ 29.95 EQULS $ 210.04*
	English: ($ 0.50 TIMES 480 MINUS $ 29.95 EQUALS $ 210.05)
STANDBY HOURLY RATE =	($ 210.05 TIMES 0.549 TIMES 0.50 EQUALS $ 57.66)

TRACTOR
Given: a diesel powered, 231,136 W (310 hp) wheel dozer

HOURLY EXPENSE RATE =	*Metric: $ 0.05027 TIMES 231,260 DIVIDED BY 100 MINUS $ 6.10 EQUALS $ 110.15*
	English:($ 0.375 TIMES 310 MINUS $ 6.10 EQUALS $ 110.15)
STANDBY HOURLY RATE =	($ 76.48 TIMES 0.674 TIMES 0.50 EQUALS $ 25.77)

TRAILER
Given: a dual wheel, 6.1 m (20 ft) long, drop deck, 63.5 tonne (70 ton) rated fixed gooseneck trailer

HOURLY EXPENSE RATE =	*Metric: $ 0.1621 TIMES 63.5 PLUS $ 5.22 EQUALS $ 15.51*
	English:($ 0.147 TIMES 70 PLUS $ 5.22 EQUALS $ 15.51)
STANDBY HOURLY RATE =	($ 15.51 TIMES 0.606 TIMES 0.50 EQUALS $ 4.70)

TRUCK
Given: a diesel powered, 4x2, 9,072 kg (20,000 lb.) GVW, 130,480 W (175 hp) flatbed truck

HOURLY EXPENSE RATE =	*Metric: $ 0.8025 TIMES 9,072 DIVIDED BY 1000 PLUS $ 10.58 EQUALS $ 17.86*
	English:($ 0.364 TIMES 20,000 DIVIDED BY 1000 PLUS $ 10.58 EQUALS $ 17.86)
STANDBY HOURLY RATE =	($ 17.86 TIMES 0.437 TIMES 0.50 EQUALS $ 3.90) (DIESEL)
	($ 17.86 TIMES 0.252 TIMES 0.50 EQUALS $ 2.25) (GASOLINE)