

# I. Primary Reclamation Activities

Description of Task: Distribute growth media from stockpile to sloped area

Methods to be Used: Cat scraper and Dozer

Miscellaneous Information:

Acres 5 Topsoil CY 4,033  
Haul Distance Feet 1500

A. Equipment - List all equipment required to complete identified task.

Equipment	Quantity	\$/Hour	# of Hours	Cost(\$)
Cat 140 Motor Grader	1	\$ 75.00	12	\$ 900.00
Cat D8L Dozer	1	\$ 115.00	24	\$ 2,760.00
Cat 623 Scraper	1	\$ 130.00	24	\$ 3,120.00
3/4 Ton Pick Up	1	\$ 11.00	24	\$ 264.00
Water truck	1	\$ 55.00	24	\$ 1,320.00

Total Equipment Cost for this Task \$ 8,364.00

B. Labor - List all labor categories to complete identified task.

Labor Category	Quantity	\$/Hour	# of Hours	Cost(\$)
Operator Forman	1	\$ 46.00	24	\$ 1,104.00
Operator	2	\$ 45.00	24	\$ 2,160.00
Truck Driver	1	\$ 38.50	24	\$ 924.00

Total Labor Cost for this Task \$ 4,188.00

Equipment Cost + Labor Cost = \$ 12,552.00

# I. Primary Reclamation Activities

Description of Task: Slope Mined Area

Methods to be Used: Cat Bulldozer

Miscellaneous Information:

Acres 5 Topsoil CY \_\_\_\_\_  
Haul Distance Feet \_\_\_\_\_

A. Equipment - List all equipment required to complete identified task.

Equipment	Quantity	\$/Hour	# of Hours	Cost(\$)
Cat D8 Dozer	1	\$ 115.00	40	\$ 4,600.00
3/4 Ton Pick Up	1	\$ 11.00	20	\$ 220.00
				\$ -

Total Equipment Cost for this Task \$ 4,820.00

B. Labor - List all labor categories to complete identified task.

Labor Category	Quantity	\$/Hour	# of Hours	Cost(\$)
Equipment Operator	1	\$ 45.00	40	\$ 1,800.00
Grade Checker	1	\$ 45.00	20	\$ 900.00
				\$ -

Total Labor Cost for this Task \$ 2,700.00

Equipment Cost + Labor Cost = \$ 7,520.00

## II. Revegetation

Description of Task: Hydroseeding

Methods to be Used: Hydroseeding Contractor

Miscellaneous Information:

Acres 5 Topsoil CY \_\_\_\_\_  
Haul Distance Feet \_\_\_\_\_

A. Equipment - List all equipment required to complete identified task.

Equipment	Quantity	\$/Acre	# of Acres	Cost(\$)
Hydroseeder Owner Operated	1	\$ 2,173.00	5	\$ 10,865.00
3/4 Ton Pick Up	1	\$ 11.00	8	\$ 88.00
				\$ -

Total Equipment Cost for this Task \$ 10,953.00

B. Labor - List all labor categories to complete identified task.

Labor Category	Quantity	\$/Hour	# of Hours	Cost(\$)
Labor Forman	1	\$ 37.00	8	\$ 296.00
	0	\$ -	0	\$ -
				\$ -

Total Labor Cost for this Task \$ 296.00

Equipment Cost + Labor Cost = \$ 11,249.00

### III. Plant Structures and Equipment Removal

Description of Task: Remove Class II Base

Methods to be Used: Front End Loader

A. Equipment - List all equipment required to complete identified task.

Equipment	Quantity	\$/Hour	# of Hours	Cost(\$)
Cat 966 Front End Loader	1	\$ 90.00	4	\$ 360.00
3/4 Ton Pick Up	1	\$ 11.00	4	\$ 44.00
Dump Truck owner op	3	\$ 100.00	4	\$ 1,200.00

Total Equipment Cost for this Task \$ 1,604.00

B. Labor - List all labor categories to complete identified task.

Labor Category	Quantity	\$/Hour	# of Hours	Cost(\$)
Operator Foreman	1	\$ 46.00	4	\$ 184.00
Operator	1	\$ 45.00	4	\$ 180.00

Total Labor Cost for this Task \$ 364.00

C. Demolition- List all structures and equipment to be dismantled and demolished.

Structure/Equipment	Type of Material	Volume (cubic feet)	Unit Cost Basis	Disposal Cost	Cost (\$)
Dispose Material	Base Rock	8350	Ton	\$ 5.00	\$ 2,935.00

Total Materials Cost for this Task \$ 2,935.00

Equipment Cost + Labor Cost + Demolition Cost = \$ 4,903.00

### III. Plant Structures and Equipment Removal

Description of Task: Remove Asphalt Pavement

Methods to be Used: Cold Plane and Front End Loader

A. Equipment - List all equipment required to complete identified task.

Equipment	Quantity	\$/Hour	# of Hours	Cost(\$)
Cold Plane	1			\$ 2,800.00
Water Truck	1	\$ 55.00	4	\$ 220.00
3/4 Ton Pick Up	1	\$ 11.00	4	\$ 44.00
Dump Truck owner op	3	\$ 100.00	3	\$ 900.00

Total Equipment Cost for this Task \$ 3,964.00

B. Labor - List all labor categories to complete identified task.

Labor Category	Quantity	\$/Hour	# of Hours	Cost(\$)
Operator Foreman	1	\$ 46.00	4	\$ 184.00
General Labor	1	\$ 35.00	4	\$ 140.00
Water Truck Driver	1	\$ 38.50	4	\$ 154.00

Total Labor Cost for this Task \$ 478.00

C. Demolition- List all structures and equipment to be dismantled and demolished.

Structure/Equipment	Type of Material	Volume (cubic feet)	Unit Cost Basis	Disposal Cost	Cost (\$)
Dispose Material	Asphalt	3500	Ton	\$ 5.00	\$ 1,225.00

Total Materials Cost for this Task \$ 1,225.00

Equipment Cost + Labor Cost + Demolition Cost = \$ 5,667.00

### III. Plant Structures and Equipment Removal

Description of Task: Remove Scale and Footings

Methods to be Used: Jack Hammer, Backhoe and Front End Loader

A. Equipment - List all equipment required to complete identified task.

Equipment	Quantity	\$/Hour	# of Hours	Cost(\$)
Case 590 Extindahoe	1	\$ 46.00	6	\$ 276.00
Cat 950G Front End Loader	1	\$ 70.00	6	\$ 420.00
Sullair Compressor	1	\$ 20.00	6	\$ 120.00
Flat Bed 1 Ton	1	\$ 11.00	6	\$ 66.00
Semi End Dump Truck owner op	1	\$ 102.00	8	\$ 816.00

Total Equipment Cost for this Task \$ 1,698.00

B. Labor - List all labor categories to complete identified task.

Labor Category	Quantity	\$/Hour	# of Hours	Cost(\$)
Labor Foreman	1	\$ 37.00	6	\$ 222.00
General Labor	1	\$ 35.00	6	\$ 210.00
Operator	2	\$ 45.00	6	\$ 540.00

Total Labor Cost for this Task \$ 972.00

C. Demolition- List all structures and equipment to be dismantled and demolished.

Structure/Equipment	Type of Material	Volume (cubic feet)	Unit Cost Basis	Disposal Cost	Cost (\$)
Concrete Removal	Concrete	1350	Ton	\$ 5.00	\$ 550.00
Truck Scale	Steel				\$ 1,500.00

Total Materials Cost for this Task \$ 2,050.00

Equipment Cost + Labor Cost + Demolition Cost = \$ 4,720.00

### III. Plant Structures and Equipment Removal

Description of Task: Remove Septic

Methods to be Used: Pump Truck and Backhoe

A. Equipment - List all equipment required to complete identified task.

Equipment	Quantity	\$/Hour	# of Hours	Cost(\$)
Pump Truck	1			\$ 450.00
John Deer 410	1	\$ 46.00	4	\$ 184.00
Miscellaneous Equipment	1	\$ 10.00	4	\$ 40.00
3/4 Ton Pick Up	1	\$ 11.00	4	\$ 44.00
Semi End Dump Truck owner op	1	\$ 102.00	4	\$ 408.00

Total Equipment Cost for this Task \$ 1,126.00

B. Labor - List all labor categories to complete identified task.

Labor Category	Quantity	\$/Hour	# of Hours	Cost(\$)
Operator Foreman	1	\$ 46.00	4	\$ 184.00
General Labor	1	\$ 35.00	4	\$ 140.00
Operator	1	\$ 45.00	4	\$ 180.00

Total Labor Cost for this Task \$ 504.00

C. Demolition- List all structures and equipment to be dismantled and demolished.

Structure/Equipment	Type of Material	Volume (cubic feet)	Unit Cost Basis	Disposal Cost	Cost (\$)
Tank Disposal	Concrete	75	Ton	\$ 5.00	\$ 15.00
Liquid Disposal	Sewage		Ton	\$ 5.00	\$ 75.00

Total Materials Cost for this Task \$ 90.00

Equipment Cost + Labor Cost + Demolition Cost = \$ 1,720.00

**IV. Miscellaneous**

Description of Task: Remove Appenturenances

Methods to be Used: Front End Loader

A. Equipment - List all equipment required to complete identified task.

Equipment	Quantity	\$/Hour	# of Hours	Cost(\$)
John Deer 410	1	\$ 46.00	8	\$ 368.00
Miscellaneous Equipment	1	\$ 10.00	8	\$ 80.00
3/4 Ton Pick Up	1	\$ 11.00	8	\$ 88.00
Semi End Dump Truck owner op	1	\$ 102.00	3	\$ 306.00

Total Equipment Cost for this Task \$ 842.00

B. Labor - List all labor categories to complete identified task.

Labor Category	Quantity	\$/Hour	# of Hours	Cost(\$)
Operator Foreman	1	\$ 46.00	8	\$ 368.00
General Labor	1	\$ 35.00	8	\$ 280.00
Operator	1	\$ 45.00	8	\$ 360.00

Total Labor Cost for this Task \$ 1,008.00

C. Demolition- List all structures and equipment to be dismantled and demolished.

Structure/Equipment	Type of Material	Volume (cubic feet)	Unit Cost Basis	Disposal Cost	Cost (\$)
Dispose Material	various		Ton	\$ 48.00	\$ 240.00

Total Materials Cost for this Task \$ 240.00

Equipment Cost + Labor Cost + Demolition Cost = \$ 2,090.00

**V. Monitoring**

Monitoring Task	\$/Visit	# Visits/Year	# of Monitoring Years	Cost (\$)
Biologist Monitoring	\$ 800.00	4	5	\$ 16,000.00
Stormwater Inspection	\$ 600.00	2	5	\$ 6,000.00

Total Monitoring Cost \$ 22,000.00

**VII. Summary of Costs**

Total of all Primary Reclamation Activities Costs		<u>\$ 20,072.00</u>
Total of all Revegetation Costs		<u>\$ 11,249.00</u>
Total of all Plant Structures & Equipment Removal Costs		<u>\$ 17,010.00</u>
Total of All Miscellaneous Costs		<u>\$ 2,090.00</u>
Total of all Monitoring Costs		<u>\$ 22,000.00</u>
	Total of Direct Costs	<u>\$ 72,421.00</u>
Supervision %	<u>6.0%</u>	<u>\$ 4,345.26</u>
Profit/Overhead %	<u>12.5%</u>	<u>\$ 9,052.63</u>
Contingencies %	<u>10.0%</u>	<u>\$ 7,242.10</u>
Mobilization %	<u>5.0%</u>	<u>\$ 3,621.05</u>
	Total of Indirect Costs	<u>\$ 24,261.04</u>
	<b>Total Estimated Cost of Reclamation</b>	<u>\$ 96,682.04</u>

GRAPH - Recitation Management

PERCENTAGES (%)



DIRECT COST (DOLLARS \$)

(Source: R. S. Means Co., Inc., 44th ed.)

GRAPH 2.—Profit and Overhead

