

Estimated Reclamation Costs for the Zavoral Mining and Reclamation Project

Phase 1-4 Estimated Topsoil Amendment, Professional Soil Testing, Finish Grading, & Tree Transplanting	Units	Qty	Unit Price	Total Price
Topsoil Amendment (Total Site)				
80/20 mix with 80% sands and 20% organic compost	yd^3	8,200	\$15.95	\$130,790.00
Professional Soil Testing (1 Site visit for each Phase of Reclamation)				
Soil testing by licensed soil scientist: test soil structure, fertility, and pH/report of results	years	4	\$1,500.00	\$6,000.00
Finish Grading (Total Site)	acres	64	\$1,000.00	\$64,000.00
Tree Transplanting (Total Site)	hours	35	\$150.00	\$5,250.00
Transplant minimum of 100 trees into reclamation areas.				
			subtotal	\$206,040.00
Phase 1-4 Estimated Seeding Installation, Plant Management, & Prescribed Burn	Units	Qty	Unit Price	Total Price
Phase 1				
Install native seed mixes (dry and mesic mixes at 14 lbs of PLS/acre, cover crop @ 80 lbs/acre, & mulching w/clean straw mulch @ 2 tons/acre)	acres	4	\$2,200.00	\$8,800.00
Three-year native seeding maintenance including herbiciding by qualified professional applicator and mowing 2-3x's a year or as necessary	year	3	\$2,500.00	\$7,500.00
Prescribed Burn	Phase 1	1	\$1,500.00	\$1,500.00
			subtotal	\$17,800.00
Phase 2				
Install native seed mixes (dry and mesic mixes at 14 lbs of PLS/acre, cover crop @ 80 lbs/acre, & mulching w/clean straw mulch @ 2 tons/acre)	acres	23	\$2,200.00	\$50,600.00
Three-year native seeding maintenance including herbiciding by qualified professional applicator and mowing 2-3x's a year or as necessary	year	3	\$8,000.00	\$24,000.00
Prescribed Burn	Phase 2	1	\$3,000.00	\$3,000.00
			subtotal	\$77,600.00
Phase 3				
Install native seed mixes (dry and mesic mixes at 14 lbs of PLS/acre, cover crop @ 80 lbs/acre, & mulching w/clean straw mulch @ 2 tons/acre)	acres	17	\$2,200.00	\$37,400.00

Three-year native seeding maintenance including herbiciding by qualified professional applicator and mowing 2-3x's a year or as necessary	year	3	\$7,000.00	\$21,000.00
Prescribed Burn	Phase 3	1	\$2,500.00	\$2,500.00
			subtotal	\$60,900.00
Phase 4				
Install native seed mixes (dry and mesic mixes at 14 lbs of PLS/acre, cover crop @ 80 lbs/acre, & mulching w/clean straw mulch @ 2 tons/acre)	acres	21	\$2,200.00	\$46,200.00
Three-year native seeding maintenance including herbiciding by qualified professional applicator and mowing 2-3x's a year or as necessary	year	3	\$9,000.00	\$27,000.00
Prescribed Burn	Phase 4	1	\$3,000.00	\$3,000.00
			subtotal	\$76,200.00

Total \$438,540.00