

Table A2: Detailed Costs of Soil Bioengineering Treatment: Chelan Site

MATERIALS	Unit	Units	\$/unit	Total \$
Spray paint	EA	2	\$ 1.11	\$ 2.22
Flagging Tape	EA	7	\$ 1.89	\$ 13.23
Rebar 1/2" x 20'	EA	93	\$ 3.13	\$ 291.09
Straw bales	EA	11	\$ 5.50	\$ 60.50
Annual Rye grass seed	LB	20	\$ 0.99	\$ 19.80
Rebar 1/2" x 20'	EA	132	\$ 3.13	\$ 413.16
Wood Stakes 1/2" x 24" (50/bd)	BD	35	\$ 7.88	\$ 275.80
Compost, GroCo	CU YD	30	\$ 26.00	\$ 780.00
Trucking Mileage	MI	183	\$ 3.00	\$ 549.00
Rebar 1/2" x 20'	EA	20	\$ 3.35	\$ 67.00
Native Seed, custom mix	LB	66	\$ 8.00	\$ 528.00
Bender Board, Cedar	LF	24000	\$ 0.10	\$ 2,400.00
Wooden Stakes 2"x2"x4'	BD	21	\$ 16.45	\$ 345.45
Twine, garden 150'	EA	1	\$ 2.84	\$ 2.84
Hacksaw Blades 12x24	EA	1	\$ 1.89	\$ 1.89
Hacksaws	EA	2	\$ 5.49	\$ 10.98
Hacksaw Blades 12x24	EA	4	\$ 2.29	\$ 9.16
Supplies Total				\$ 5,770.12
EQUIPMENT RENTALS	Unit	Units	\$/unit	Total \$
Partner Saw	DAY	1	\$ 42.00	\$ 42.00
Metal Blades	EA	1	\$ 9.92	\$ 9.92
Rentals Total				\$ 51.92
PLANT MATERIAL TOTAL *				\$ 2,093.00
OPERATION AND MAINTENANCE²⁹				\$ 5,232.50
HEAVY EQUIPMENT	Unit	Units	\$/unit	Total \$
Excavator (4.5days) Bulldozer (1day)	EA	1	\$ 7,296.10	\$ 7,296.10
WSDOT PERSONNEL	Unit	Units	\$/unit	Total \$
Inspection	DAY	30.625	\$ 124.80	\$ 3,822.00
Real Estate Services	EA	1	\$ 500.00	\$ 500.00
Survey Crews	DAY	1	\$ 1,200.00	\$ 1,200.00
Per Diem**	EA	1	\$ 1,143.39	\$ 1,143.39
Personnel Total				\$ 5,522.00

²⁹ This includes approximately \$1,500 that was used for repairing a small section of the slope that failed after a period of heavy rains on a snow layer. Approximately 40' of the total 1,875' failed. Operation and maintenance costs for soil bioengineering generally are attributed to plant establishment.

Table A2 continued: Chelan

WCC CREW	Unit	Units	\$/unit	Total \$
<i>WCC Total</i>	<i>DAY</i>	<i>52.5</i>	<i>\$ 500.00</i>	<i>\$ 26,250.00</i>
TOTAL CHELAN COSTS				\$ 52,215.64
COSTS / SQ. FT.	Unit	Units	Cost	Total \$/Sq. Ft.
TOTAL	SQ FT	24000	\$ 52,215.64	\$ 2.18

Note: Mobilization costs, sales tax and traffic control costs are included in all the soil bioengineering totals. They are hidden costs since actual costs were used in this analysis.