

COMPUTATION SHEET

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

STATE: Colorado	PROJECT: La Veta Ranches Road (LVRR)
BY: T.J Burr	CHECKED BY:
DATE: 7/2/2019	DATE:
SUBJECT: Cost Estimate for Post-Fire EWP Work	SHEET: 1 - OF - 1

Spreadsheet Revised: 5/16/2019
By: T.J Burr

Item No.	Description of Major Components	Est. Qty.	Units	Unit Price	Item Total (\$)
	Aggregate Base, Road Subbase, CDOT Class 2	37	CY	\$ 65.00	\$ 2,407.41
	Aggregate Base, Road Surfacing, CDOT Class 6	20	CY	\$ 40.00	\$ 800.00
	Earthwork, General Cut/Fill	300	CY	\$ 12.00	\$ 3,600.00
	Geotextile, Rock Underlayment	560	SY	\$ 5.00	\$ 2,800.00
	Log Check Structure	1	EA	\$ 20,000.00	\$ 20,000.00
	Rock Riprap, 21"	515	TN	\$ 110.00	\$ 56,650.00
	Rock, Structural, 30"	133	TN	\$ 110.00	\$ 14,630.00
	Seeding & Mulching	0.40	AC	\$ 1,500.00	\$ 600.00
SUBTOTAL					\$ 101,487.41
	Mobilization Estimate (5% for Easily Accessible Site Near Town; 10% Average; 15% Remote/Difficult Site)	5.0%	1	LS \$ 5,074.37	\$ 5,074.37
	Pollution Control (3-5% of Above Subtotal) - Includes erosion control, & basic seeding & mulching	3.0%	1	LS \$ 3,044.62	\$ 3,044.62
	Contingency (10-15% of Above Subtotal, use higher % for lower confidence level)*	10.0%	1	LS \$ 10,148.74	\$ 10,148.74
	Include Mobilization/Demobilization and Pollution Control on every estimate	18.0%			
Preliminary Cost Estimate:					\$ 119,755.14

ABBREVIATIONS: LF: Linear Feet; CY: Cubic Yards; EA: Each; SF: Square Feet; SY: Square Yard; LS: Lump Sum; TN: Ton; AC: Acre; HR: Hour

Data from Costilla County Cost estimates from Oct 2018 incorporated into the above costs; some data from CDOT Cost Data Book 2017 (inflated to present).
All costs are the "furnished & installed" costs, unless noted otherwise in the description.

* Contingency Factor - this is a measure of your confidence in the design and the level of information you have for site conditions. You may want to use 25% for a site that hasn't been surveyed or thoroughly walked. If you have a full survey, LiDAR data, soil borings, geotect report, EA, etc., you might get by with 8%-10%. Higher uncertainty = higher contingency.