

COMPUTATION SHEET

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

STATE: Colorado	PROJECT: Bryant	DATE: 6/26/2019	CHECKED BY:	DATE:	SHEET: 1	- OF -	1
BY: Tj Burr							
SUBJECT: Cost Estimate for Post-Fire EWP Work							

Spreadsheet Revised: 5/16/2019
By: Tj Burr

Item No.	Description of Major Components	Est. Qty.	Units	Unit Price	Item Total (\$)
	Aggregate Base, Road Surfacing, CDOT Class 6	30	CY	\$ 40.00	\$ 1,200.00
	Clearing & Grubbing	0.50	AC	\$ 6,000.00	\$ 3,000.00
	Earthwork, Diversion Ditch/Berm	426	CY	\$ 15.00	\$ 6,390.00
	Erosion Control Fabric	302	SY	\$ 8.00	\$ 2,416.00
	Geotextile, Rock Underlayment	210	SY	\$ 5.00	\$ 1,050.00
	Rock Riprap, 18", CDOT Type H	322	TN	\$ 110.00	\$ 35,420.00
	Seeding & Mulching	0.50	AC	\$ 1,500.00	\$ 750.00
	Sign, 30", 4" x 6" Post	2.0	EA	\$ 1,000.00	\$ 2,000.00

SUBTOTAL **\$ 52,226.00**

Mobilization Estimate (5% for Easily Accessible Site Near Town; 10% Average; 15% Remote/Difficult Site)	5.0%	1	LS	\$ 2,611.30	\$ 2,611.30
Pollution Control (3-5% of Above Subtotal) - Includes erosion control, & basic seeding & mulching	3.0%	1	LS	\$ 1,566.78	\$ 1,566.78
Contingency (10-15% of Above Subtotal, use higher % for lower confidence level)*	10.0%	1	LS	\$ 5,222.60	\$ 5,222.60

Include Mobilization/Demobilization and Pollution Control on every estimate 18.0%

Preliminary Cost Estimate: **\$ 61,626.68**

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.