

COMPUTATION SHEET

U.S. DEPARTMENT OF AGRICULTURE  
NATURAL RESOURCES CONSERVATION SERVICE

STATE: Colorado	PROJECT: Caddel	DATE: 7/3/2019	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 (\$)
	Flood Barrier Bags, Fill Material	27	CY	\$ 60.00	\$ 1,620.00
	Flood Barrier Bags, Wire-Frame	60	LF	\$ 80.00	\$ 4,800.00
<b>SUBTOTAL</b>					<b>\$ 6,420.00</b>
	<b>Mobilization Estimate</b> (5% for Easily Accessible Site Near Town; 10% Average; 15% Remote/Difficult Site)	5.0%	1	LS \$ 321.00	\$ 321.00
	<b>Pollution Control</b> (3-5% of Above Subtotal) - Includes erosion control, & basic seeding & mulching	3.0%	1	LS \$ 192.60	\$ 192.60
	Contingency (10-15% of Above Subtotal, use higher % for lower confidence level)*	10.0%	1	LS \$ 642.00	\$ 642.00
	<b>Include Mobilization/Demobilization and Pollution Control on every estimate</b>	18.0%			
<b>Preliminary Cost Estimate:</b>					<b>\$ 7,575.60</b>

**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, geotech report, EA, etc., you might get by with 8%-10%. Higher uncertainty = higher contingency.