Southern Alberta Flood Recovery Task Force Flood Mitigation Measures for the Bow, Elbow and Oldman River Basins Volume 4 - Flood Mitigation Measures – Final June 2014



Appendix K

Conceptual Design of Mitigation Measures at Cardston

Conceptual Cost Estimate Cardston Flood Defence

Item No.	Item Description	Unit	Quantity	Unit Price	Extension
	ALLOWANCES				
1	Bigger Size Riprap	Allow.	Allowance		\$50,000
	TEMPORARY FACILITIES				
2	Mobilization and Demobilization	L.S.	1	Lump Sum	\$25,000
	SITE PREPARATION				
3	Care of Water	L.S.	1	Lump Sum	\$15,000
	GRANULAR AND RIPRAP MATERIALS				
4	Riprap Zone 6C	tonnes	2672.00	\$150.00	\$400,800
5	Gravel Armour Zone 5C	tonnes	746.00	\$40.00	\$29,840
6	Non-Woven Geotextile	m²	1863.00	\$3.00	\$5,589
	SUBTOTAL				\$526,229
	CONTINGENCIES @ 25%				\$131,557
	ENGINEERING @ 12%				\$63,147
	ESTIMATED TOTAL COST				\$721,000

1670 m3 373 m3



