

## **Appendix C**

# **Construction Cost Estimate**

# Construction Cost Estimate

Natural Systems Design

**Project:** Upper Wenatchee RM36  
**Client:** Chelan County Natural Resources Dept.  
**Project No:** CCNRD-050

**Analyst:** N. Truscott  
**Latest Revision:** 11/22/2022  
**Allowance for Indeterminates Included in Bid Items:** 25%  
**Inflation to 2024 included in Item Cost:** 14%

## Restoration

ITEM #	ITEM DESCRIPTION	WSDOT REF	QTY	UNIT	UNIT COST	ITEM COST
R1	MOBILIZATION		1	LS	\$ 87,961.40	\$ 87,961.40
R2	EQUIPMENT AND MATERIALS STAGING		1	LS	\$ 14,782.65	\$ 14,782.65
R3	CHANNEL SURVEYING		1	LS	\$ 4,170.00	\$ 4,170.00
R4	ACCESS ROAD IMPROVEMENTS		1	LS	\$ 8,837.34	\$ 8,837.34
R5	CLEARING		1	AC	\$ 11,120.00	\$ 6,672.00
R6	TEMPORARY BRIDGE TYPE 1		1	EA	\$ 7,837.52	\$ 7,837.52
R7	TEMPORARY BRIDGE TYPE 2		1	EA	\$ 115,092.00	\$ 115,092.00
R8	SITE ISOLATION AND DEWATERING		1	LS	\$ 92,537.36	\$ 92,537.36
R9	BALLASTED JAM		3	EA	\$ 89,631.37	\$ 268,894.11
R10	EDGE JAM		3	EA	\$ 68,072.47	\$ 204,217.41
R11	STREAMBED BOULDER INCL. PREPARATION		54	EA	\$ 938.33	\$ 50,669.55
R12	PILOT CHANNEL EXCAVATION		1,500	CY	\$ 21.41	\$ 32,109.00
R13	EROSION CONTROL AND WATER POLLUTION PREVENTION		1	LS	\$ 9,730.00	\$ 9,730.00
R14	HIGH VISIBILITY SILT FENCE		1,400	LF	\$ 13.90	\$ 19,460.00
R15	SITE RESTORATION		1	LS	\$ 4,336.80	\$ 4,336.80
R16	ACCESS ROAD DECOMMISSIONING - TYPE 1		1,000	LF	\$ 10.36	\$ 10,355.50
R17	ACCESS ROAD DECOMMISSIONING - TYPE 2		1,400	LF	\$ 9.04	\$ 12,649.00
R18	HABITAT TREE TIP AND HAUL		18	EA	\$ 556.00	\$ 10,008.00
R19	FORCE ACCOUNT - HELICOPTER GROUND SUPPORT		16	HR	\$ 453.49	\$ 7,255.80
	Subtotal					\$ 967,575.44
	Taxes (as % of Construction Sub-Total)		8.3%			\$ 80,308.76

**Total (Restoration)**

**\$ 1,047,884.21**

## Helicopter

ITEM #	ITEM DESCRIPTION	WSDOT REF	QTY	UNIT	UNIT COST	ITEM COST
H1	MOBILIZATION		1	LS	\$ 34,750.00	\$ 34,750.00
H2	LOG STAGING		1	LS	\$ 43,962.61	\$ 43,962.61
H3	BOULDER CLUSTER CONSTRUCTION		12	EA	\$ 5,733.75	\$ 68,805.00
H4	HABITAT TREE PLACEMENT		18	EA	\$ 1,915.07	\$ 34,471.31
	Subtotal					\$ 181,988.92
	Taxes (as % of Construction Sub-Total)		8.3%			\$ 15,105.08

**Total (Helicopter)**

**\$ 197,094.00**

**Grand Total \$1,244,978.20**