

## **COST ESTIMATE**

Natural Systems Design

**Project:** Lower Satsop River Assessment and Design  
**Project No:** GHC-001  
Geomorphic Group I

**Analyst:** MSmith

**Checked:** -

**Latest Revision:** 5/17/2019

**Allowance for Indeterminates Included in Bid Items:** 10%

**Inflation to 2020 \$ Included in Bid Items:** 0%

### ***GROUP I***

Item #	Item Description	WSDOT Ref	Quantity	Unit	Unit Price (\$)	Amount (\$)
1	MOBILIZATION		1	LS	\$73,747	\$73,747
2	EROSION/ WATER POLLUTION CONTROL MEASURES		1	LS	\$20,922	\$20,922
3	ACCESS AND STAGING		1	LS	\$18,449	\$18,449
4	SITE ISOLATION		1	LS	\$48,114	\$48,114
5	RELIEF CHANNEL RM 1.0		1	EA	\$169,276	\$169,276
6	TYPE 1 APEX ELJ		5	EA	\$39,221	\$196,103
7	TYPE 1 DEFLECTOR ELJ		2	EA	\$38,234	\$76,468
8	TYPE 1 FLOODPLAIN ROUGHNESS ELJ		14	EA	\$10,078	\$141,095
	Subtotal					\$744,173
	Taxes (as % of Construction Sub-Total)		8.8%			65,487
<b>Total (GROUP I)</b>						<b>\$809,661</b>

## **COST ESTIMATE**

Natural Systems Design

**Project:** Lower Satsop River Assessment and Design  
**Project No:** GHC-001  
Geomorphic Group II

**Analyst:** MSmith

**Checked:** -

**Latest Revision:** 5/17/2019

**Allowance for Indeterminates Included in Bid Items:** 15%

**Inflation to 2020 \$ Included in Bid Items:** 0%

### ***Stream***

Item #	Item Description	WSDOT Ref	Quantity	Unit	Unit Price (\$)	Amount (\$)
1	MOBILIZATION		1	LS	\$86,203	\$86,203
2	EROSION/ WATER POLLUTION CONTROL MEASURES		1	LS	\$21,873	\$21,873
3	ACCESS AND STAGING		1	LS	\$19,288	\$19,288
4	SITE ISOLATION		1	LS	\$106,191	\$106,191
5	TYPE 1 APEX ELJ		8	EA	\$41,003	\$328,026
6	TYPE 2 APEX ELJ		4	EA	\$28,581	\$114,325
7	TYPE 1 DEFLECTOR ELJ		4	EA	\$39,972	\$159,887
	Subtotal					\$835,792
	Taxes (as % of Construction Sub-Total)		8.8%			73,550
<b>Total (Stream)</b>						<b>\$909,342</b>

## **COST ESTIMATE**

Natural Systems Design

**Project:** Lower Satsop River Assessment and Design  
**Project No:** GHC-001  
Geomorphic Group III

**Analyst:** MSmith

**Checked:** -

**Latest Revision:** 5/17/2019

**Allowance for Indeterminates Included in Bid Items:** 15%

**Inflation to 2020 \$ Included in Bid Items:** 0%

### ***Stream***

Item #	Item Description	WSDOT Ref	Quantity	Unit	Unit Price (\$)	Amount (\$)
1	MOBILIZATION		1	LS	\$108,327	\$108,327
2	EROSION/ WATER POLLUTION CONTROL MEASURES		1	LS	\$21,873	\$21,873
3	ACCESS AND STAGING		1	LS	\$19,288	\$19,288
4	SITE ISOLATION		1	LS	\$90,436	\$90,436
5	TYPE 1 APEX ELJ		7	EA	\$41,003	\$287,023
6	TYPE 1 DEFLECTOR ELJ		8	EA	\$39,972	\$319,774
7	TYPE 2 DEFLECTOR ELJ		1	EA	\$15,913	\$15,913
8	FLOODPLAIN FENCING SECTIONS		19	EA	\$9,007	\$171,129
	Subtotal					\$1,033,763
	Taxes (as % of Construction Sub-Total)		8.8%			90,971
<b>Total (Stream)</b>						<b>\$1,124,734</b>

### ***Planting***

Item #	Item Description	WSDOT Ref	Quantity	Unit	Unit Price (\$)	Amount (\$)
1	IRRIGATION INSTALLATION AND MAINTENANCE		1	LS	\$1,208	\$1,208
2	PLANT INSTALLATION		1	LS	\$11,305	\$11,305
3	INVASIVE REMOVAL		1	LS	\$4,025	\$4,025
4	PLANTING, TERRACE FP FOREST RESTORATION		1	LS	\$8,233	\$8,233
5	PLANTING, FLOOD FENCE GROVES		1	LS	\$1,236	\$1,236
	Subtotal					\$26,007
	Taxes (as % of Construction Sub-Total)		8.8%			2,289
<b>Total (Planting)</b>						<b>\$28,296</b>

**Grand Total      \$1,153,030**

## **COST ESTIMATE**

Natural Systems Design

**Project:** Lower Satsop River Assessment and Design  
**Project No:** GHC-001  
Geomorphic Group IV

**Analyst:** MSmith

**Checked:** -

**Latest Revision:** 5/17/2019

**Allowance for Indeterminates Included in Bid Items:** 15%

**Inflation to 2020 \$ Included in Bid Items:** 0%

### ***Stream***

Item #	Item Description	WSDOT Ref	Quantity	Unit	Unit Price (\$)	Amount (\$)
1	MOBILIZATION		1	LS	\$123,077	\$123,077
2	EROSION/ WATER POLLUTION CONTROL MEASURES		1	LS	\$21,873	\$21,873
3	ACCESS AND STAGING		1	LS	\$19,288	\$19,288
4	SITE ISOLATION		1	LS	\$151,352	\$151,352
5	STABILIZE EXISTING WOOD ACCUMULATIONS		2	EA	\$16,990	\$33,980
6	RELIEF CHANNEL RM 0.2		1	EA	\$129,258	\$129,258
7	TYPE 1 APEX ELJ		9	EA	\$41,003	\$369,029
8	TYPE 1 DEFLECTOR ELJ		4	EA	\$39,972	\$159,887
9	TYPE 2 DEFLECTOR ELJ		1	EA	\$15,913	\$15,913
10	FLOODPLAIN FENCING SECTIONS		17	EA	\$9,007	\$153,116
	Subtotal					\$1,176,772
	Taxes (as % of Construction Sub-Total)		8.8%			103,556
<b>Total (Stream)</b>						<b>\$1,280,328</b>

### ***Planting***

Item #	Item Description	WSDOT Ref	Quantity	Unit	Unit Price (\$)	Amount (\$)
1	IRRIGATION INSTALLATION AND MAINTENANCE		1	LS	\$1,208	\$1,208
2	PLANT INSTALLATION		1	LS	\$11,305	\$11,305
3	INVASIVE REMOVAL		1	LS	\$4,025	\$4,025
4	PLANTING, TERRACE FP FOREST RESTORATION		1	LS	\$8,233	\$8,233
5	PLANTING, FLOOD FENCE GROVES		1	LS	\$1,236	\$1,236
	Subtotal					\$26,007
	Taxes (as % of Construction Sub-Total)		8.8%			2,289
<b>Total (Planting)</b>						<b>\$28,296</b>

**Grand Total      \$1,308,624**