

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 |
| Total (GROUP I) | | | | | | \$809,661 |

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 |
| Total (Stream) | | | | | | \$909,342 |

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 |
| Total (Stream) | | | | | | \$1,124,734 |

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 |
| Total (Planting) | | | | | | \$28,296 |

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 |
| Total (Stream) | | | | | | \$1,280,328 |

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 |
| Total (Planting) | | | | | | \$28,296 |

Grand Total \$1,308,624