

NCWC Request for Proposals: Rapid Bio-Assessment

Questions and Answers Received During RFP Open Period

Proposals Due 8/28/19 at 6pm.

Question: 1

What is the expected level of product output for

III. PROJECT PURPOSE: 3.

Answer: 1

Based on funding available, the Council would like to receive detailed notes and estimates that create strong baseline data and info that will be used during the action planning and project prioritization portion of the process to produce professional concept plan similar to the one below produced for a Clackamas Partnership FIP project. Please explain in your proposal what level of detail you propose to produce with the funding available.

Riverfront Milwaukie Bay

Lower Clackamas River Watershed



PROJECT DESCRIPTION

Revegetation is proposed for Johnson Creek's confluence with the Willamette River. Efforts could also include replacement and planting of FES lifts along the Willamette River's right bank. Lifts would be filled with a mix of gravel and revegetated and embedded with willow cuttings during construction. This would facilitate vegetation establishment.



Target Performance Measures

- Riparian/Floodplain Revegetation**
Work is anticipated to include 150 linear feet and 0.7 acres of revegetation of the left bank Johnson Creek floodplain surface at the confluence.
- Large Wood Placement**
Additional work may include extending and adding to large wood structures placed along the channel toe to provide increased cover and complexity. These jams would incorporate existing large wood structures and standing trees where feasible to create site specific wood structures.



Extension of existing large wood structures could increase cover and complexity at a wider range of flows.

Existing native vegetation would be encouraged and invasive vegetation would be managed.

Existing river bank where FES lifts can be reinstalled to promote revegetation.

Answer: 1 con't

Clackamas River FIP

5/31/2018

PLANNING-LEVEL OPINION OF PROBABLE DESIGN/CONSTRUCTION COST

Milwaukee Bay

Clackamas River

Line	Item	Unit	QTY	Unit Cost	Cost	Notes	Line Assumptions and Description
1.00	General Requirements				\$ 40,000		
1.01	Mobilization, including demobilization	L.S.	1	\$ 39,000	\$ 35,000		Assumes single mobilization to project site, approx. 8% of construction subtotal (2.00, 3.00, 4.00, 5.00)
1.02	Clearing, grubbing, and stripping	L.S.	1	\$ 5,000	\$ 5,000		SWPPP will address portions of Care of Water and TESC Plans. SPCC required for in-water work.
2.00	Site Access and Layout Survey				\$ 9,600		
2.01	Temporary site access route improvements	L.S.	1	\$ 2,000	\$ 2,000		
2.02	Project Layout Survey	HR	1	\$ 7,600	\$ 7,600	J	Includes location, grade, and off-set stakes for construction
3.00	Earthwork				\$ 123,000		
3.01	Excavation, including off-site haul	C.Y.	4,100	\$ 30	\$ 123,000		Excavation of native material, incl. off-site haul to local permitted active borrow pit/quarry
4.00	Large Wood Structures				\$ 140,000	Z	
4.01	Rootwad logs 18-inch nominal DBH, 35-foot long	EACH	60	\$ 1,500	\$ 90,000		Supplied, delivered, installed
4.02	Logs (no rootwad) 18-inch nominal DBH, 35-foot long	EACH	50	\$ 1,000	\$ 50,000		Supplied, delivered, installed
5.00	Site Restoration				\$ 79,600		
5.01	Seed and mulch	AC	1.4	\$ 2,000	\$ 2,800		Approx. 32-lb native seed mix over disturbed areas (incl. access and staging) above ordinary high water
5.02	Native vegetation plantings	AC	2.1	\$ 8,000	\$ 16,800		Purchase and installation of a mix of bare root, and live stake/pole native plants above ordinary high water
5.03	FES Lifts	FF	400.0	\$ 150	\$ 60,000		Seed, gravel/soil mix, willow stakes
6.00	Design				\$ 92,400		
6.01	Survey	HR	160	\$ 140	\$ 22,400		
6.02	Hydraulic Modeling/Analysis	HR	110	\$ 140	\$ 15,400		
6.03	Drafting/Reporting	HR	210	\$ 140	\$ 29,400		
6.04	Construction Observation	HR	180	\$ 140	\$ 25,200		
7.00	Summary						
7.01	Subtotal				\$ 484,600	3	
7.02	Contingencies (20%)				\$ 97,000		Contingencies account for variability in project design and construction costs, rounded up.
	Project Total				\$ 581,600		Costs are in 2018 dollars, sales tax not included

Notes

- Basic survey work required for construction is included in this opinion. Additional survey work not included in this opinion:
 - Pre-construction conditions survey
 - As-built topographic survey
- Costs for defishing isolated in-water work areas are not included.
- Does not include wetland delineation, cultural resources survey, permitting costs/fees
- Assumes direct construction observation by design contractor.

Abbreviations

AC - acre, C.Y. - cubic yard, Dia. - diameter, incl. - includes, L.F. - linear foot, L.S. - lump sum, S.Y. - square yard