NOTICE INVITING SEALED BIDS
For
SEIAD CREEK COHO HABITAT ENHANCEMENT PROJECT

June 8, 2017

Notice is hereby given that the Mid Klamath Watershed Council will receive sealed bids at the address given below until 4:00 p.m. on July 14th, 2017, at which time all bids will be opened. Three (3) copies of the bids shall be submitted in a sealed envelope. Only original bids delivered to the following address will be accepted.

Full Set of Construction Drawings, Construction Specifications and the bid sheet are Available by Request at;

http://www.mkwc.org/programs/fisheries/seiadrfb/

Bids* shall be submitted in a sealed envelope addressed to:

Will Harling, Director
Mid Klamath Watershed Council
PO Box 409
Orleans, CA
95556

* Two separate bids are to be submitted;

1. All work to be accomplished utilizing the California Dept. of Industrial Relations Prevailing Wage Rate Determinations.

   (http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm)

2. All work to be accomplished <u>without</u> utilizing the California Dept. of Industrial Prevailing Wage Rate Determinations.

<u>Prime Contractor and any Sub-Contractors are required to have applicable California State Contractor's License.</u>

PROJECT PRE-BID MEETING
All parties interested in submitting a bid for this project must attend a pre-bid site visit with representatives of the Mid Klamath Watershed Council, the Kaurk Tribe and design/project engineer GeoEngineers. The schedule for this site is scheduled for June 30, 2017 at 10:00 AM. All parties will meet at the site in the large turnout along Seiad Creek Road (see attached map).

INTRODUCTION

The Karuk Tribe, in partnership with the Mid Klamath Watershed Council, will implement the Seiad Creek Coho Habitat Enhancement Project. The project area has been impaired by mechanical alterations, including non-engineered push up levees that occupy the historic floodplain along both creek banks channelizing stream flow. This project is necessary to restore the floodplain function and increase off channel fish habitats on the three quarter mile reach of Seiad Creek. Work in flowing streams is restricted to June 15 through October 31.

OBJECTIVE(S)

The objectives of this project include:

1. Restore the stream natural geomorphic processes in Seiad Creek that will convey a full range of stream flow discharges.

2. Channel Configuration - return the main stream channel to its historical location.

3. Realign and lengthen the stream channel with constructed meander bends.

4. Side Channel - develop three side channel features to dissipate stream velocities throughout a full range of stream discharges.

5. Levee Removal - remove legacy levees from historic flood events to reestablish floodplain connectivity.

6. Backwater Channels - develop three backwater channels to interface with ground water for over-summering and over-wintering juvenile coho salmon habitat.

7. Bank Stabilization - two locations will be treated for erosion and channel migration that currently are contributors to excessive sediment deliveries. Site treatments will be combinations of LWD revetment wall, laid back the vertical banks for riparian planting, LWD structures, and boulder revetments.

8. Instream Structures - construct habitat structures of native material wood and rock to address specific functions such as; erosion protection, dissipate flow velocities, create scour pools, improve spawning areas, and cover habitat.

SUMMARY OF TASKS

Channel Configuration: contractors shall complete realignment of stream channel through designed meanders to increase channel length.

Side Channels: contractors will construct side channel habitats with multiple habitat features including riffles and pools, a backwater alcove, and low velocity flow areas.

Levee Removal: reconnect Seiad Creek floodplain by removing non-engineered levees constructed to channelize stream flow.

Backwater Channels: three backwater channels will be constructed for summer and winter juvenile rearing habitat. These channels will be excavated to a depth that connects with ground water elevations to prevent de-watering. Wood habitat structures will be installed both within these sites and at the connection to Seiad Creek as per the engineer's design sheets.

Bank Stabilization: locations of active eroding stream bank are identified for treatment to prevent further sediment delivery to Seiad Creek. The bank erosion will be stabilized with LWD revetment walls, outsloping vertical banks for riparian planting, LWD structures, and boulder revetments per engineered design sheets.

Instream Structures: wood structures will be installed to perform specific functions to diversify and enhance habitat for spawning, rearing, refuge and migration. The proposed LWD structures will dissipate stream flow energy, stabilize stream banks, scour pools, sort gravel, create cover habitat, and be anchored sufficiently to not mobilize during flood events.

PROJECT LOCATION

The project is located on Seiad Creek, tributary to the Klamath River in the county of Siskiyou, State of California. The project location is within the town of Seiad Valley, California at the intersection with State Hwy 96 downstream edge of project site moving upstream .55 miles to the top of project site. The downstream project coordinates are 41.84250100 N; - 123.19716000 W 41.74680000 latitude; 122.57740000 longitude.

SCOPE OF WORK

The work includes furnishing all labor, equipment, and materials for the Seiad Creek Coho Enhancement Project. Refer to Construction Drawings and Bid Sheet for particular work items.

TIMELINE

The desired project timeline is as follows, or an alternative schedule as proposed by bidding Engineer:

CONSTRUCTION TIMELINE – Site Visit (required)	June 30th
Submit Questions	July 7th
Respond to Questions	July 12th
Bids Due	July 14th
Award Bid	July 17th

Construction Staking	July 18th
Construction Start Date	August 1st
Complete Construction	October 15th