CLE ELUM CITY COUNCIL

STUDY SESSION MEETING MINUTES

Hanson Ponds

Monday November 28, 2022

5:00 PM

**Call to Order - Roll Call of Membership**

The Study Session regarding Hanson Ponds was called to order by Mayor McGowan at 5:00 pm. The Pledge of Allegiance was recited. The Roll was called, Members present were Mayor McGowan, Matthew Lundh, John Glondo, Sarah Lackey (5:15), Steven Harper, Siw Bay-Hansen, Beth Williams and Ken Ratliff. Other members present were Rob Omans, Mike Engelhart and Kathi Swanson.

**Approval of the Meeting Agenda**

***A motion was made by John Glondo and seconded by Matthew Lundh to approve the meeting agenda as presented The motion carried unanimously.***

**New Business:**

**Discussion of the Hanson Ponds Conceptual Alternative Options:** Mitch Long, of the Kittitas Conservation Trust, provided an overview of the Hanson Ponds Floodplain Restoration and Infrastructure Resiliency Project suggested options to repair damages caused by the 2009 flood. Funding for this project has been received from FEMA Flood Hazard Mitigation in the amount of $113,775 (30% design) and from the Washington State Salmon Recover Funding Board (100% Design and Permitting) in the amount of $187,418. An estimated $4 Million to $15.5 Million may be available based on the Conceptual Designs and Engineers Basis of Design Report.

Project goals include maintaining and protecting critical infrastructure, including the eroding bank at the upstream end, consider the City of Cle Elum’s wastewater outfall maintenance, and have no increased risk to I-90; improve anadromous salmonid habitat, restore floodplain connections, and provide recreational opportunities within the project site, where appropriate. Design Options include:

**Conceptual Alternative 1**: Reinforce the spillway over the pipe between the ponds

**Improve existing conditions** Install new footbridge over existing inlet channel

 Partially excavated dike levees may require reinforcement with riprap

ADA parking & river viewing; pond and trail access

Remove existing riprap spurs

***Construction Total: $4,875,600***

**Conceptual Alternative 2:** In addition to all of the above:

**Partially Reopen Floodplain** Pond environment – connect or disconnect from the river

**Setback Levee**  Construct Setback Levee

 Improve fish passage at existing weirs

Side channel inlet design elevation to activate at desired discharge

Levies and dikes excavated to varied elevations to accommodate side channel flow routing

***Construction Total: $6,109,200***

**Conceptual Alternative 3A:** Reinforce the spillway under floodplain

**Reopen Floodplain** Add a wetland pond

 Add a secondary side channel

 Add an alcove

 Improve fish passage at existing weirs

 ADA parking & river viewing; pond and trail access

 Remove existing riprap spurs

 Side channel inlet design elevation to activate at desired discharge

 Mainstem split flow routing

Levees and dikes excavated to accommodate side channel flow routing & floodplain development

***Construction Total: $9,726,000***

**Conceptual Alternative 3B:** Shift and deepen Kiwanis Pond, use materials for fill islands

**Reopen Floodplain** Reinforce spillway under floodplain

Add wetland pond

Add secondary side channel

Add alcove

Improve fish passage at existing weirs

Construct Setback Levee

Large wood or no bank reinforcement

Remove existing riprap spurs

Side channel inlet design elevation to activate at desired discharge

Mainstem split flow routing

Levees and dikes excavated to accommodate side channel flow routing & floodplain development

***Construction Total: 9,597,600***

**Conceptual Alternative 4:** Reinforced Floodplain

**Outfall Relocate** New Mainstem riffle crest

Wetland pond (x 2)

Side channel connection to existing wetland and channel

Improve fish passage at existing weirs

New Mainstem Channel and side channels

Levees and dikes excavated to elevations that accommodate flow routing. Floodplain development and potentially grade control

Existing mainstem becomes split/flow side-channel. Leave existing riffle as grade control

***Sewer Outfall Option A – Move Outfall to New Channel Mainstream – Shorten existing pipe to new mainstem riffle location***

***Sewer Outfall Option B – Move Outfall Location to Side Channel – Shorten existing pipe to discharge at side channel***

***Sewer Outfall Option C – Reroute outfall pipe to discharge downstream of I-90 Bridge, Could include additional stilling pond.*** Wetland Treatment Pond; use existing culvert and drainage route, relocate outfall behind I-90

 ***Construction Total: $10,574,400***

Nex Steps: Design and Permitting. KCT is working with the City of Cle Elum, a Technical Working Group, the Cle Elum Planning Commission and the community to determine alternatives for further design.

**Adjournment:**

***The Study Session adjourned at 5:55 pm.***

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Mayor Attest