

## STATEMENT OF WORK

### 1.0 Title

Supply and Install New Mechanical Ventilation System at Cowichan River Hatchery.

### 2.0 Background

The Cowichan River Hatchery project, located near Duncan on Vancouver Island, was initiated in 1978 as a partnership between Cowichan Tribes and Fisheries and Ocean Canada to enhance the Cowichan and Koksilah River salmon stocks, obtain stock information, increase fish production, provide employment, contribute to the local economy and improve relations between the partners.

The hatchery operates with Atkins boxes, substrate boxes and Heath trays for incubation and with trough and concrete raceways. The Pacific Salmon Treaty, Chinook Technical Committee identified Cowichan chinook as an important Lower Georgia Strait stock in need of rebuilding. Marked (coded-wire tagged or fin-clipped) hatchery stocks provide much of the critical data for determining catch distribution, survival and exploitation rates. Selected hatchery stocks are also used for stock management and as indicators of the stock status for both wild and hatchery stocks in their area. Cowichan is used as an indicator of Lower Strait of Georgia stocks.

There was a major hatchery expansion in 1991, accompanied by a significant increase to chinook targets, designation as a key indicator for Canada/US treaty, and initiation of lake and sea pen rearing strategies.

In 2005, the hatchery assumed responsibility for the rotary screw trap, adult chinook counting fence, and chinook dead pitch programs.

### 3.0 Objective

Moisture and airflow issues in the Incubation Building led to a prolific mould problem on the ceiling. The mould was abated over the summer of 2019, and the ceiling was replaced. This scope of work is intended to rectify the airflow issues in that building.

### 4.0 Scope of Work

- Contractor is responsible for all supplying all materials, equipment, and labour required to install the system as indicated in the accompanying plan set.
- Contractor is responsible for the decommission, demolition and disposal of existing ventilation fan and accompanying louver. Louver opening to be infilled with cinderblock to match existing.
- Contractor is responsible for the intact removal and relocation (replanting on site) of the LARGE SHRUB that is to be removed to make way for new equipment. Shrub location and desired relocation site will be provided by the project authority at contract award.

### 5.0 Schedule

The project must be completed no later than September 4th, 2020.

### 6.0 Project Documentation and Deliverables

#### Closeout Procedures:

- The inspection and approval on the thoroughness and completion of the Contractor's reported tear-out activities shall be at the discretion of the Project Authority.
- Upon the completion of remediation activities, the Contractor will notify the Project Authority of their readiness for final inspection on the thoroughness of the work done.
- Documentation of all disposals to a permitted facility must be provided to the Project Authority.
- Commissioning of all equipment to be approved by Project Authority.

## **Safety Manual**

- Copy of Contractor's Safety Manual to be provide to Project Authority prior to project commencement.

### **7.0 Reporting Requirements**

It is the responsibility of the Contractor to immediately report any unforeseen issues or errors that may be uncovered throughout the entire construction project to the Project Authority. The preferred way of communication is through a written document or email.

### **8.0 Project Management Control Procedures**

The individual(s) identified as the Project Authority(s) reserves the right to review any portion of the work at any time during the construction schedule to confirm general conformity. Any delays due to review or required revision of work due to disconformity with the specifications will be at the contractor's own expense.

### **9.0 Change Management Procedures**

Fisheries and Oceans Canada does not anticipate any changes to the requirements detailed in this Statement of Work (SOW). However, if changes do arise they must be done in writing by the Project Authority(s), and an amendment by the Contracting Officer must be prepared to reflect these changes.

### **10.0 Contractor's Obligations**

- Title to the equipment charged against this Contract shall vest in Canada upon payment of invoiced amounts and shall remain so vested at all times.
- Notwithstanding the fact that the equipment under this Contract becomes vested in Canada, the equipment shall remain within the custody and control of the Contractor until such time as the Project Authority provides instructions for its delivery. During this period of time, the Contractor shall take reasonable and proper care of the equipment.
- Execute work with least possible interference or disturbance to normal use of premises and neighbouring facilities. The site will be occupied by facility staff during the entire construction period. Make arrangements with the Project Authority to facilitate work as stated.
- The Contractor shall ensure cleanup of the work areas each day after completion of work and cleanup of the work areas upon final completion of work.
- The Contractor is responsible for the repair of any damages and/or replacement of any equipment, furnishings, etc. damaged during construction.

### **11.0 DEO Support**

Cowichan River Hatchery's normal hours of operation are between 8:30 a.m. and 4:30 p.m., Monday to Friday. If work is required to take place after normal hours of operation ie, a weekend, arrangements must be made in advance with the Project Authority.

### **13.0 Required Resources or Types of Roles to be performed**

- Contractor is required to have all construction equipment/machinery required to successfully complete the Work in a safe and efficient manner.
- Work shall be executed in accordance with all regulations and guidelines specified by WorkSafe BC's BC Health and Safety Act and Regulations, Ministry of Environment (also known as "BC Environment"), Canadian Council of Ministers of the Environment (CCME) and/or federal and local governing agencies.