

Project Overview and Scope of Work

West Sulphur Fire Guard

Mechanical Thinning Unit 2 (Approximately 147 ha)

Revised: September 11, 2019

1.0 Overview

Provide mechanical thinning services to Parks Canada (Parks) for the Clearing Operations. This contract includes:

- Building of access road extension
- Harvesting merchantable timber
- Skidding timber to landings and processing
- Hauling of merchantable timber off-site
- Construction and eventual decommissioning of in-block roads
- Piling of non-merchantable wood at landings

Merchantable timber from Mechanical Thinning Unit 2 of the West Sulphur Fire Guard in Banff Alberta will become the property of the contractor. Refer to project maps.

2.0 Scope of work

- Develop access (where required) for mechanical thinning operations along the Mechanical Area # 2 footprint.
- Review clearing boundaries with onsite clearing coordinator.
- Develop a site specific Environmental Protection Plan that follows attached Banff Field Unit guidelines as per direction from a Parks Canada representative:
 - **Debris Management Guidelines (Woody/Vegetative Debris Management) Annex 3.**
 - **Vegetation Removal and Restoration / Reclamation Guidelines Annex 4.**
 - **Guide To Log Haul in Alberta.**
- Review retention patches with onsite clearing coordinator.
- Follow Mechanical Thinning protocol for Area # 2 regarding timber retention, timber removal/reduction and timber disposal. (As per the Fuel Modification Prescription Document Annex 1).
- Hand clearing is not part of this project.
- All salvageable timber is to be process at the identified landings. No timber is to be processed at the stump.

- All salvageable timber is to be skidded to designated landings. Skid trail distances are to be minimized.
- Number and location of landings will be determined in consultation with the harvest coordinator and PCA representative to minimise the need for in-block roads and disturbed ground.
- Hauling of merchantable timber to an approved location.
- Timber hauling is to be completed during hours that the Cave and Basin is closed (Monday-Tuesday 24h access) and Weds-Sunday between 6:00pm and 7:00 am to avoid visitation at the Cave and Basin and traffic in the Town of Banff.
- Mechanical Clearing operations may start as early as November 15th, if the ground is frozen and/or dry.
- Development of landings for storage of timber for on-site use during and after construction, as directed by Parks.
- Development and maintenance of in-block roads during mechanical thinning operations, as directed by Parks.
- Must work with Parks and other crews/stakeholders that could be working in the area to avoid conflict and ensure safety.
- Capacity to harvest, skid, process and haul timber within the timeframes identified in this contract (15 weeks between November 2019 and April 2020 – weather permitting).
- Low impact equipment for harvesting operations is mandatory.
- Conduct activity in compliance with Parks safety and environmental requirements and plans.
- Hauling on roads within the Town of Banff and Parks Canada to follow seasonal restrictions in the spring. Direction will be from Town of Banff regarding weight restrictions and timing.
- The main paved road from the Cave & Basin to the proposed area will be used for access.
- Snow removal on this road will be maintained by Parks Canada.
- Pre-existing damage to the paved road will be mapped by PC before the start of this contract.
- Minor repairs for new damage (eg. small potholes <50cm diameter, cracking <1m long) may be required by the contractor to avoid excessive damage/erosion.
- Any major damage (large potholes, major heaving, cracking) to the road by trucks and equipment will be the responsibility of Parks Canada.
- Any damage repair to vegetated areas adjacent to roads will be the responsibility of the contractor.
- All sensitive areas (IE garbage cans, rocks, signs) will be flagged or moved by Parks Canada to avoid any damage by equipment.

- The contractor will be responsible for replacement of fill and topsoil on access roads/in-block roads at the end of the contract.
- Full reclamation of in-block roads and access roads is not within the scope of this project.

3.0 Contractor General Requirements and Services

- Provision of personnel, including on-site supervision and trained/qualified operators.
- Provision of adequate equipment that can clear vegetation in typical locations and environmentally sensitive areas, i.e., tracked and wheeled equipment, low ground pressure equipment.
- Provision of adequate numbers of skidders and processing equipment to complete the contract within designated timeframes.
- Provision of log haul trucks and loading equipment.
- All equipment must be clean prior to arrival on site, subject to inspection prior to deployment.
- Clearing equipment will require cleaning when moving from one site to another (as directed by Parks).
- Ability to coordinate and deliver timber as per any scheduling requirements.
- Provision of satellite yards – pre-identified by contractor.
- Provision of expertise during log haul activities, including tracking, scheduling, logistics and reporting.

4.0 Contractor Safety Requirements

- COR/SECOR
- Site Specific Safety Plan / OHS Program
- Emergency Response Plan
- WCB coverage in good standing
- Trained and certified operators and supervisory staff

5.0 Equipment

- Contractors will identify the equipment that will be utilized for clearing, hauling and disposal activities.

6.0 Project Maps, Timber Assessment and Harvest Planning Report

- *Annex 1*

7.0 West Sulphur Mountain Fuel Modification Prescriptions

- *Annex 2*

8.0 Debris Management Guidelines

- *Annex 3*

9.0 Vegetation Removal Guidelines

- *Annex 4*

10.0 Fire Best Management Practices

- *Annex 6*

11.0 Basic Impact Analysis

- *Annex 7*