

SECTION 01 25 20B USE OF HELICOPTER

PART 1 GENERAL

- .1 In order to support the work outlined in Section 01 11 00 – Summary of Work, and complete the work by the Contract completion date, it is anticipated that the Contractor will need to use a helicopter to increase efficiency and transport heavy items. A helicopter may be used for long lining material such as equipment and waste rock in and out of the work site.

1.2 RESTRICTIONS

- .1 The use of a helicopter will be restricted to long lining material in and out of the worksite from approved laydown areas. The helicopter may not land within the National Park without prior approval from the Departmental Representative.
- .2 The use of the helicopter, long lining and movement of materials will be according to the rules and regulations of Transport Canada Civil Aviation Directorate. Nothing within this specification supersedes or should be construed as superseding the Transport Canada Civil Aviation Directorate rules.
- .3 The use of the helicopter is at the sole discretion of the pilot in all activities including weather, access, lifting equipment etc.
- .4 The Contractor should plan and coordinate the use of the helicopter around potential weather and other factors which might cause delay.

1.3 SUBMITTALS

- .1 Safe work procedures and the plan for the movement of material by helicopter shall be submitted by the Contractor to the Departmental Representative a minimum of 2 weeks prior to helicopter usage.
- .2 Prior to completing any helicopter work, the Contractor must receive approval from the Departmental Representative in writing a minimum of 24 hours prior to helicopter usage. As part of the approval process, the Contractor shall provide the Departmental Representative a brief description of the helicopter work including the approximate schedule for the helicopter, type of helicopter, and pick-up and drop-off points a minimum of 48 hours prior to the flight.
- .3 At the request of the Departmental Representative, the Contractor shall produce a copy of the original helicopter log book completed for the purposes of Transport Canada Civil Aviation Directorate. This log book should present details of each flight to Johnston Canyon and the number of hauls or loads moved.
- .4 At the request of the Departmental Representative, the Contractor shall produce a copy of the helicopter insurance details which must cover long lining and equipment transportation and include provisions in the event that items are dropped from the helicopter (both in terms of damage caused therefrom and cost of cleanup etc.).

1.4 COORDINATION

- .1 The Contractor shall be responsible for all arrangements and provisions related to helicopter usage. The Contractor is expected to use helicopters in order to facilitate the

completion of the work by the contract completion date. Two types of helicopters may be considered for the project:

- Bell 212HP helicopter with a lifting capacity of 1,564 kg (3,450 lbs) at sea level with minimal fuel or approved equivalent.
- Bell 407 helicopter with a lifting capacity of 1,202 kg (2,650 lbs) at sea level with minimal fuel or approved equivalent.¹⁶

The Contractor should satisfy themselves with the site specific lifting capacity of the helicopters at the Johnston Canyon site.

- .2 The Contractor shall use the parking lot on the east side of Johnston Canyon as a pick-up point unless otherwise approved by the Departmental Representative. The Contractor is responsible for cordoning off the parking lot prior to helicopter work in order to prevent pedestrians from entering.
- .3 The Contractor is responsible for arranging safe drop off points within the work site.
- .4 It is the sole responsibility of the Contractor to ensure that the load does not exceed the allowable load for the helicopter, and that all materials are adequately secured to the long line. The use of nets is allowed, but the Contractor is responsible for all damage, costs, and third party costs if items or equipment drop from a secured load and damage anything.
- .5 The Contractor shall have a radio and be in direct communication with the pilot of the helicopter over the site. When lifting and dropping a load the pilot shall have visual line of sight contact with the Contractors lifting supervisor or banksman.

1.5 EXECUTION PLAN

- .1 Contractor is to provide an execution plan for all use of helicopter machines for review and approval after contract award and updated prior to booking any helicopter time. Plan is to be updated weekly and as required.
 - .1 Plan is to include:
 - .1 Number of lifts
 - .2 Details of each lift (component, weight, sequence, and other necessary details)
 - .3 Detailed Schedule of each lift
 - .4 Long Line Rigging procedures for each lift
 - .5 Traffic control requirements for each lift
 - .6 Communication procedures
 - .7 Emergency procedures
 - .8 Optimization details of overall lift plan to minimize helicopter use
 - .2 Lift Schedule
 - .1 Initial Schedule
 - .2 Rolling two week lift plan
 - .3 Estimated weather days
 - .3 Weekly coordination and work plan

.4 Weekly weather outlook

1.6 MEASUREMENT AND PAYMENT

- .1 Helicopter time shall be measured as the hours spent by each of the approved helicopters in moving materials. When the helicopter is observed to be over the site, the time shall start when it is observed starting to secure a load, and shall continue to the time the helicopter is observed leaving the site, or when it has finished hauling materials. The time shall be measured in 15 minute increments. When the time falls between a 15 minute interval the next upper division of 15 minutes shall be used.
- .2 Payment for Helicopter Use shall be made at the hourly rate per 15 minutes for the type of helicopter used. The lump sum amount shall be full compensation for supplying a helicopter with pilot and other labour and equipment as might be deemed necessary to execute the work, including ground support manpower, banksman etc.
- .3 The Contractor is responsible for all costs associated with the ferrying of the helicopter to and from site.
- .4 It is estimated that hours required for the completion of this work for the Bell 406 Helicopter and the Bell 212HP Helicopter will be 30 hours and 10 hours respectively. It is up to the bidders to determine the total hours they will require and provide this in their plan for approval by the Departmental Representative after Contract award.

END OF SECTION