

Site Visit and Review of Goodwin Town Forest Management Plan

Wed. Oct 24, 2018

Present: Jim Frohn (Grafton County Forester), Matt Tarr (UNH Extension Biologist), Jim Oehler (NH Fish & Game), Jeff Smith (TOH Forester), Jim Kennedy (Chair, TOHCC), Whit Spaulding (VP TOHCC), Vicki Smith (TOH Senior Planner), Barbara McIlroy (Biodiversity Committee), John Roe (Upper Valley Land Trust)

Need the Following Prior to Obtaining TOH Planning Board Approval to implement the Forest Management Plan

Estimate of Logging Infrastructure/Access cost

- 2 Log Landings

- Temp Improvements to road access along class 6 segments of Tunis Rd

- Temp logging road access to high area for summer season logging

Jeff Smith may be able to give TOH an estimate per linear foot, but TOH would have to go to actual earth-moving contractors for anything more specific

TOH to give Jeff Smith more direction on:

- Time frame/ schedule for Forestry work

 - If economic benefit is in any of TOH's objectives, it would be good to get started while hardwood and softwood log prices remain strong (get all nec. Approvals with sufficient lead time to begin work 2nd half of 2019)

- Any additional areas to delineate as reserve?

 - Currently forestry prescriptions proposed in +/- 400 of the +/- 600 acres

 - Jim Kennedy suggested adding some of the wet areas along Tunis Rd

- Jeff Smith to provide some language in the Forest Mgt Plan re: equipment and methods to achieve Forestry Excellence for the work on Goodwin Town Forester as Jeff and his contractors have already demonstrated on other TOH Forestry job sites. Note to HCC & Planning Board Members: See Jeff's Appendix A from his current draft of the Goodwin Town Forest Mgt Plan for a thorough discussion of Forestry Excellence. Copy of Appendix A is enclosed.

- After walking the Goodwin Town Forest, both Jim Oehler (NH Fish & Game) and Matt Tarr (UNH Extension wildlife biologist) were of the opinion that none of the Forestry prescriptions proposed in the Mgt Plan would adversely effect wildlife or their natural communities.

Tunis Road Report

J. Kennedy 10/08/19

SITE VISITS & COST ESTIMATES:

Tunis Road South: On October 17, 2018, Jim Kennedy measured, photographed, and mapped trail conditions and wetlands. On October 29, Jim met with Sean Ogle from Upper Valley Trails Alliance, and trail improvements were discussed, photographed and measured. Sean produced a map and trail improvements cost estimate. Total length of this south pedestrian trail section is approximately 4,000 feet (0.57 mile), from Wolfeboro Road to the old homestead. Pedestrian trail work will be approximately 1,200 feet. The proposed scope of work is:

- un-plug the upstream end of the Tunis Brook stone bridge by hand, using a slow release approach
- construct 3 bog bridges, each 20 feet long and 4 feet wide
- provide drainage in rutted wet areas by hand excavation of 2'-wide cross ditches or water bars
- clear trees on the west side to make room for a narrow pedestrian trail
- create a 2-foot wide treadway on the currently elevated side of the road using logs for reinforcement
- all work will be done by volunteers
- project coordination and supervision by UVTA = \$1,200
- materials cost = \$268
- **total project cost = \$1,468**

Tunis Road North: On December 11, 2018, Jim Kennedy measured and photographed the north end of Tunis Road, and reviewed construction methods with Bill Wanner, an excavating contractor from Canaan, NH. This section of road will need improvement sufficient to accommodate logging trucks used in future timber harvesting operations. Total length of this north vehicular road section is approximately 5,800 feet (1.1 miles) from the gate at Goose Pond Road to the old homestead. The proposed scope of work is:

- place a 40' culvert and gravel ramp at Goose Pond Road
(This work was done by Hanover DPW in the summer of 2019)
- **estimated project cost = \$3,350**

The remainder of the work needed to prepare the north end of Tunis Road for timber harvesting operations:

- brush and tree clearing for the entire length of the road, 15-foot minimum width
- remove an existing 18" HDPE culvert, make a stone ford, and install fabric and stone for 300 feet of roadway
- provide gravel ramps at the old stone bridge (future timber mats by logging contractor)
- the old stone bridge and mossy timbers will be preserved
- rough grading of the roadway to 12-foot minimum width
- ledge removal in one 200-foot section
- make water bars @ 200' apart in steep and wet sections
- construct 5-foot wide stone fords at 5 water crossings (future timber mats by logging contractor)
- **estimated project cost by Wanner Earthmoving = \$13,125**

HANOVER TOWN FOREST

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Respectfully submitted,

Jim Kennedy, Chair
Hanover Conservation Commission

Wanner Earthmoving Estimate

10 November 2020

Site Visit with Wanner Earthmoving: Jim Kennedy met with Bill Wanner on November 10, 2020 to get a preliminary estimate of construction costs for access roads and log landing preparation and drainage. The following are estimated costs:

Restore log landing at Mountain Bike Parking area:

Scope of work:

- Remove existing "s" turn entrance road, replace with diagonal road suitable for log trucks.
- Clear the area to the south and west for log landing 150' x 250'±
- Protect the existing cellar hole with orange safety fence.
- Grade the landing area and entrance road, add dense grade gravel at entrance
- Provide drainage diversion around west side of landing

Cost estimate:

Mobilization	300
Tree clearing	300
Large excavator - 3 days	3,000
Gravel	1,000
Safety Fence around cellar hole	150
TOTAL	\$4,750

Restore mid-slope landing and access road:

Scope of work:

- Fill wet area behind gate with gravel (will require DPW permit for work on Class VI road)
- Culverts and gravel+ geotextile for wet areas @ sta 4 -7+00
- Prepare subgrade for 2,300 linear feet of access road
- Provide berms and drainage by stream @ sta 15+00-17+00
- Grade the landing area, provide drainage as required

Cost estimate:

Mobilization	300
Dense grade gravel by gate	1,000
Geotextile roll	1,000
Dense grade gravel at wet area	1,000
2- 12" cmp culverts	400
Regrade existing road, drainage	5,000
New log landing in clearing at 23+00	2,000
TOTAL	\$11,700