

State Land/Easement Project Work Plan
for
Construction of New Facilities and Expansion or
Modification of Existing Facilities
Fiscal Year 2022
Project # **2022-NV-006**

<u>Region</u> 5	<u>Project Title</u> South Lake Lean-to Restoration
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<u>Project Type</u>	<u>Town(s)</u>	<u>County</u>	<u>Management Unit</u>
Modification of Existing Facility	Arietta	Hamilton	West Canada Lake Wilderness

Project Description/Desired Condition(s):

South Lake Lean-to is a frequented trail shelter along the Northville Placid Trail on an interior stretch of the trail near West Canada Lakes. The structure is in poor condition due to age and use. The roof has reached its useable life and rot is present in the base logs and rear rafters. The lean-to requires restoration in order to provide a dry and useable trail shelter for backpackers traveling along the wilderness trail system. This work is necessary to maintain the structure to handle current and future use levels which are expected to increase.

Lean-to restoration work will include new foundation stones, roof replacement, floor replacement, and select base log replacements. The current lean-to is located 16 feet from the eastern shore of South Lake within the spruce flats. A suitable relocation site has been identified south of the current location 105' from the lake. The new location is on a natural shelf on a nearby side hill. This site is high and dry, offers good drainage and is adequately screened from the lake and trail.

Per the DEC/APA MOU, the work outlined in this work plan is considered rehabilitation and maintenance of an existing lean-to. Future maintenance of the site will likely include relocation of the privy as needed, rubbish removal, sweeping off of leaves and debris from the roof, cleaning ash out of the fire pit periodically, cutting of hazard trees that threaten the site as needed, and the eventual re-roofing of the lean-to in 30 plus years when the life of the shingles has ended.

Estimated Materials:

- | | |
|--|--|
| (26) 1"x16' rough cut roof boards | (7) 2x6x8' treated floor joists |
| 11 bundles of architectural shingles (brown) | (2) 2x6x12' treated ledger boards |
| 1 roll starter shingles, 33'/roll | (12) 2x10x12' plain lumber floor plank |
| 1 bundle ridge cap shingles | (4) replacement logs 12-14" dia. |
| (8) 10' lengths of 2" lip drip edge | (7) replacement rafters 6" dia. |
| 1/3 roll underlayment | |
| 2 gallons Saratoga Brown Paint | |

Trees to be Removed:

31 trees have been marked for removal and further described on the attached tree tally. Trees will be felled and debris will be dispersed into the surrounding forest.

Earthwork and Disturbance, Including Identification of Work Outside Trail Corridor:

The location of the lean-to foundation will require minor earthwork to level the four foundation stones. Foundation stones will be taken from the surrounding area.

Analysis of Project Location and Design Alternatives:

Alternative 1: Repair the lean-to in its current location. Although this alternative would eliminate tree cutting, the current location is too close to the water and can be wet, as is evident from the rot at the base of the structure. In addition, the proximity of the current site to the lake can be extremely windy. The replacement of the base logs requires the lean-to to be disassembled. This provides an opportune time to relocate the lean-to to a dryer location away from the lake shore, screened from wind coming off the lake. Due to the requirement to disassemble the lean-to and the identification of a better location in the immediate vicinity, the alternative to repair the lean-to in place is not preferred.

Alternative 2: Remove the lean-to and create a primitive tent site. Although this alternative would eliminate the need for future lean-to maintenance it would reduce the availability of a dry shelter that has become expected along one of New York’s premier long trails. Lean-to shelters along the NPT have become part of the experience and enable backpackers to travel long distances without the need to carry a tent. They are an iconic part of the NPT experience and efforts should be made to maintain them as such.

Description of Measures Taken to Mitigate Impacts on Vegetation, Water Quality, Wild Forest Character and the Aesthetics of the area:

Care will be given to ensure impacts to the Forest Preserve are kept to the minimum extent necessary to complete the project. Relocating the lean-to to the new location will result in the site being screened from view of the lake and trail which is seen as enhancing the wild forest character of the project site and surrounding area.

Identification of Rare, Threatened or Endangered Species:

A search of available databases yielded no known occurrence of rare, threatened, or endangered species at the project site. Common Loon is listed as a species of special concern and is known to seasonally occupy South Lake. The activities involved with this project are not anticipated to affect or disturb any loon populations which may be present on the lake. The work project is scheduled for the Fall which is out of the loon summer nesting season.

Description of Use of Motorized Equipment and/or Motor Vehicles, if any:

Due to the remote location, building materials will be flown into the project area by helicopter. A chainsaw will be used in the felling of trees and saddle notching of the logs. Helicopter use has been authorized through CP-17#1211. The asphalt roof shingles from the previous roof will be stripped and bagged to be extracted and properly disposed of, off site. The extraction will coincide with the material transport flight to reduce flight entries.

Other Relevant Considerations:

Lean2Rescue will complete the work in the Fall of 2022.

Prepared by (Name & Title): Jonathan DeSantis, Forester
Phone: 518 863 4545 ext. 3005

Date: 8/23/2022

Approvals:

Comments:

REGULATORY CLEARANCE CHECKLIST – STATE LANDS and CONSERVATION EASEMENT PROJECTS

PROGRAM	PERMIT	REQUIRED		SECURED BY	COMMENTS
		YES	NO	(NAME)	
Air Resources	Restricted Burning	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Mineral Resources	Mining	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Materials Management	Solid Waste Mgt. Fac.	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Water	Dam Safety Review	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Const. in Flood Hazard	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Public Water Supply	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	SPDES	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Spills Management	Petro. Bulk Storage	<input type="checkbox"/>	<input type="checkbox"/>		
Lands and Forests	Unit Management Plan	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Tree Cutting	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Approval sought through this work plan
	Protected Native Plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Historic Preservation	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Fish and Wildlife	Freshwater Wetlands	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Wild Scenic & Rec. River	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Compliance Services	Other Protection of Waters	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	EAF	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Negative Declaration	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Env. Impact Statement	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Water Quality Cert.	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
DEC (other)	CP-17	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Jon DeSantis	Approved under CP-17#1211
	Commissioner (aircraft, motorized equipment)	<input type="checkbox"/>	<input type="checkbox"/>		
	Flight Request	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Awaiting approved work plan
	Contract Clearance Sh.	<input type="checkbox"/>	<input type="checkbox"/>		
	DOB Exemption	<input type="checkbox"/>	<input type="checkbox"/>		
Other Agencies	APA MOU	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	APA Wetlands Permit	<input type="checkbox"/>	<input type="checkbox"/>		
	Corps. of Engineers	<input type="checkbox"/>	<input type="checkbox"/>		
	Building Permits	<input type="checkbox"/>	<input type="checkbox"/>		
	Local Permits	<input type="checkbox"/>	<input type="checkbox"/>		
	Easements	<input type="checkbox"/>	<input type="checkbox"/>		
	Highway Enter DOT	<input type="checkbox"/>	<input type="checkbox"/>		
	Wastewater Disposal	<input type="checkbox"/>	<input type="checkbox"/>		