

Blue Job Trail Management Project



**Jordan McKenney's
Eagle Project
2007**

Eagle Project Proposal

Jordan McKenney

Description

The project I'm planning involves bridging three severely impacted and wet areas along the Blue Job hiking trail in Strafford, New Hampshire. A total of thirteen 12-foot sections of boardwalk will be built and placed over those sections of trail.

Who Will Benefit

There is more than one beneficiary of this project:

- **The New Hampshire Department of Resources and Economic Development (DRED)** will benefit from the project by having motivated volunteers perform a trail management/ conservation project on three significant sections of eroded/at-risk trails.
- These repairs will make the trail more accessible to **cyclists and hikers**.
- They will also protect the **surrounding vegetation** from impact due to wide deviation around wet/flooded areas of trail.

Project Planning Details

I have hiked and observed the trail in each of the four seasons and with the exception of periods of drought; there are most always wet or muddy areas on parts of the trail. Because of these conditions, hikers blaze new trails around them, causing greater impact and the possibility of further erosion. (See photos)

Part of this project will be to brush in any deviations around the trail to discourage hikers/cyclists from using the area as a secondary trail and to allow local flora to regenerate.

The boardwalk construction materials for each section will be measured, cut, and drilled off-site, transported to the Blue job trailhead parking lot, and assembled once all the parts are taken to the designated trail section.

Because there is no electricity at Blue Job, cutting and pre-drilling the pieces for each section at a location where there is electricity will lessen the need for long-term use of the gas generator in the woods. It will also mean that fewer people have to be in a relatively small area, reducing the likelihood of accidents and injury.

I will coordinate with DRED to schedule a midpoint site visitation to check progress and process of the project.

Materials

Item	Description	Quantity	Unit Cost	Total Cost
**Decking	5/4"X6"X12'	85	\$9.00	\$765.00
**Ties	4"X6"X12'	13	\$19.97	\$259.61
**Joists	2"X4"X12'	39	\$5.97	\$232.83
**Plywood	1/2" thick 4'X8' sheet	1	\$29.35	\$29.35
Deck Screws	#9 X2 1/2" coated	1475	\$80.00/25lb bucket	\$80.00
Galvanized nails	20d 4"	312	\$8.24/5 lb box	\$41.20 for 25 lbs
			TOTAL	TOTAL
			\$152.53	\$1,407.99

**Pressure treated

Materials Cost per 12 Foot Section

Item	Description	Quantity	Purchase Unit Cost	Total Cost per 12 Foot Section
**Decking	1"x6"x12'	6.5	\$9.00	\$58.50
**Ties	4"x6"x12'	1	\$19.97	\$19.97
**Joists	2"x4"x12'	3	\$5.97	\$17.91
** Plywood	1/2" 4'X8' sheet		*See below	*See below
Deck Screws	#9 X 2-1/2"	108	*See below	
Galvanized nails	20d 4"	24	*See below	
			TOTAL	TOTAL
			\$34.94	\$96.38

** Pressure Treated

***Not possible to calculate exact cost of hardware or plywood per 12 foot section as much of it will be purchased in bulk quantities.**

Tools/Supplies

Tool/Supply	Quantity	Source
Generator	1	Crew workers
Table Saw	1	Crew workers
Power Drill Cordless drill	As many as people can bring	Crew workers
Extension cords	3 or 4 grounded 3 prong	Crew workers
Sledge hammers (sm. & lg.)	3 or 4	Crew workers
Claw hammers	As many as people can bring	Crew workers
Phillips head screwdrivers	3-4	Crew workers
Straight rakes/shovels	4 of each	Crew workers
Iron bar for moving rocks	1 or 2	Crew Workers
Chain Saw	1	Crew workers
Camera for documentation	1 or 2	Mom
Wagon for moving wood pieces	1 or 2	Crew workers
Two way radios	2 sets	Dad (1 set)
Snacks	Logan bread, GORP	Mom
Canopy (in case of wet weather)	1 or 2	Crew workers
First Aid kit	One per site	
Rope and/or ratchet tie downs	4-6	Crew workers
Container for hot drinks	2	Dad
Orange vests	10+	

Workday Schedule

Prep Day one

- Get lumber to Mr. Lacroix's house
- Youth team leaders and adults meet to cut and assemble one section as a prototype so key members know the process for cutting and assembly.
- Devise a jig to ensure square-ness/plumb of each completed unit.

Workdays

Workday one Goals: a) Cut all pieces for 12-foot sections.

b) Begin ground work prep on 1st section of trail

c) Move pieces for section one to Blue Job and start building

Hours: 8AM - 4PM, ½ hour lunch break at 12:30.

8:00 AM - Meet at Mr. Lacroix's house to introduce team leaders and assign teams/tasks.

- Have a safety discussion
 - The importance of appropriate behavior around power tools.
 - Safety gear for those operating saws/drills; how to carry things properly to avoid injury.
- Explain procedure for cutting the pieces for each section (show model of one section).
- Answer any questions that come from participants.
- Four adults will cut all the pieces for each section. Three scouts will assist by stacking the pieces for each section.

Blue Job Site Prep

Four people will work on ground prep for site one (and any extra scouts that arrive)

The first boardwalk section will take the most time. There are rocks to be moved, a stream may have to be diverted back to the original bed and the ground stabilized.

- Review the Buddy System and Outdoor Code, importance of orange vests)
- Distribute orange vests to those who need them.

- **Remove any hazards on the trail**

- Sticks and downed branches
- Wet leaves,
- Move any loose rocks
- Rake out high spots in the trail that may pose a hazard to those moving materials up the trail to the site.
- Work to clear area one (stream bed) of hazards

Lunch (Day one) at Mr. Lacroix's (Lunch provided by the McKenneys)

Blue Job team is going to spend the morning cleaning up the trail. After lunch the workers at Lacroix's start building at Blue Job.

- Take a section or two to assemble for area one at Blue Job.
- Load up the final two or three sections for area one and assemble at Blue Job.
- Regroup for debrief and feedback to revise plan for future workdays if necessary.

4:00 PM - Clean up and go home.

Workday 2 Goal: Continue building. Hours: 8AM - 4PM, ½ hour lunch break at 12:30.

- 8:00 AM - Meet at Mr. Lacroix's house.
 - Review the plan for the day and safety information in case there are new team members.
 - Answer any questions that come from participants.
 - Assign 2 building teams, one per section being constructed.
 - Distribute orange vests to those who need them.
 - Transport materials and volunteers to Blue Job.
 - 4 people will continue trail cleanup until all areas are clear and ready for construction
 - Carry boardwalk components to designated trail section(s)
 - Begin building.
 - Lunch (Day 2 at Blue Job, provided by the McKenneys)
 - Continue building
 - Regroup for debrief and feedback to revise plan for future workdays if necessary
- 4:00 PM - Clean up and go home

Day 3 and 4 (and 5 if necessary) Goal: Build remaining sections. Hours: 8 AM - 4PM, ½ hour for lunch at 12:30

- 8 AM - Meet at Mr. Lacroix's house.
- Review the plan for the day and safety information in case there are new team members.
- Answer any questions that come from participants.
- Assign new teams if necessary.
- Distribute orange vests to those who need them.
- Repeat of Day 2 plan until all sections are inventoried, transported, and assembled at the Blue Job site.
- Lunch (at Blue job, provided by the McKenneys)
- Cleanup

Final day Schedule (whenever that is)

- Make sure Mr. Lacroix's property is as we found it
- Tour the Blue Job sites with adult leaders and a representative from DRED to be sure work was completed to everyone's satisfaction

Roles and Responsibilities

These are ideal numbers of people; actual numbers may vary.

At Mr. Lacroix's house - day one

Team #1

2 Adults

- Will use table saw to cut 12 foot decking to length

1 Jr. Leader

- Will take cut materials and make separate piles for each section.
- Jr. Leader will also manage the worksite to make sure every body safe and behaving appropriately.

2 younger scouts – assist Jr. Leader

Team #2

2 Adults

- to cut ties with chainsaw (one to cut, one to stabilize)

1 Jr. leader

- Will carry cut sections to Team #1's pile to group the components for each 12-foot section. (List provided).
- Jr. Leader will also manage the worksite to make sure everybody is safe and behaving appropriately.

2 younger scouts – assist Jr. Leader

At Blue Job

- All will work together to carry/roll components of each section to designated trail site.
- Teams of 4 will work on each section to be constructed.

Area 1:



This would be the most challenging but the most beneficial repair.

Area 2:

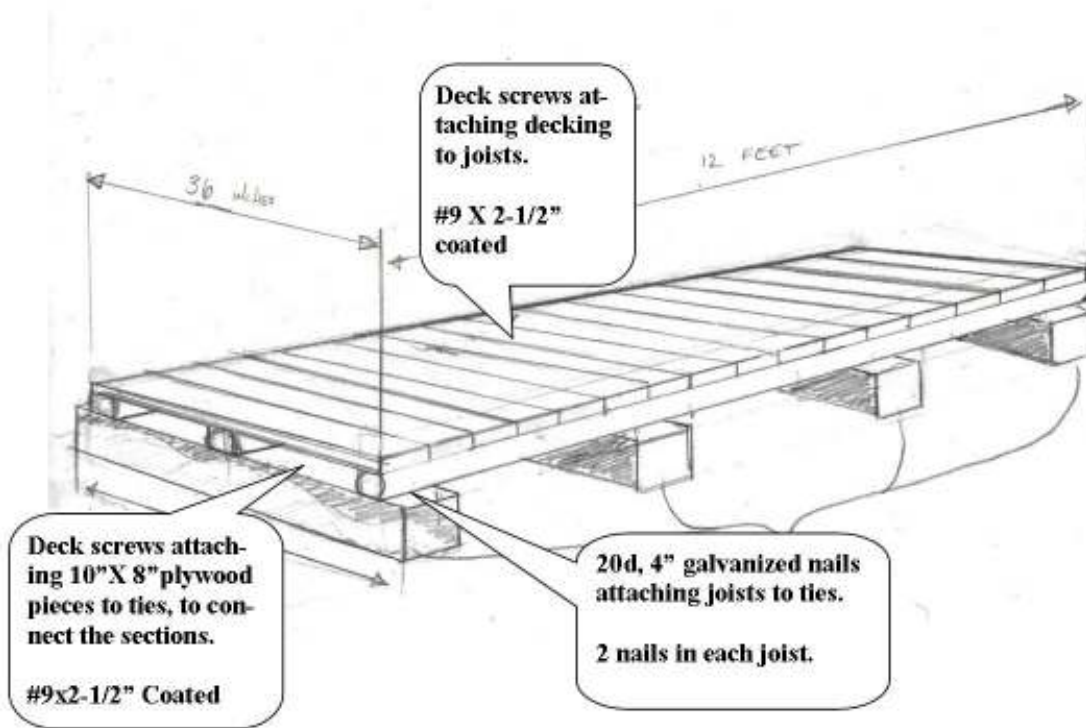


Level area, fairly easy to build on.

Area 3:



The trail proper is between those 2 trees and the rock. As you can see, there is a wide deviation to the right.



Possible Corporate Sponsors

Profile Bank with Ken Wilman (President).

Lumber - Brocks Plywood with Scott Brock or Morris (Scott's Dad).

Auto - Poulin Chevy. (Dick Poulin - I think his son is Mark that is "in the Store")

Thompson Tool (Bob Gustovson (SP) President) they also own Fox Ridge Outfitters.

Planet fitness - in Somersworth

Rochester McDonalds.

Budel Construction on Meaderboro Road in Rochester (Bud Meader). .

Doug, of Doug's towing is a Scouter, he might also contribute or volunteer to use his truck to move lumber. @ 4 corners at Meaderboro and 202a. He just bought the little country store.

Rochester Equine Clinic (now Myhre Equine Clinic) Grant Myhre DVM now owns it or Broad View Animal Hospital (both on the Ten Rod Road).

Teledyne Laars. (Mark Farrell the Scoutmaster for 312 Northwood works there).

Thomas Family Mortgage (Ryan Thomas)

Jordan McKenney
705 Sherwood Glen
Somersworth, NH 03878

Dear

My name is Jordan McKenney and I am a Boy Scout with Troop 23 in Strafford, NH. I am about to begin my Eagle project. My project will be to build three (3) substantial boardwalks over severely eroded and impacted areas of trail on Mt. Blue Job in Strafford. This project will benefit those in our community who enjoy spending time hiking by eliminating some of the muddier areas as well as reducing the likelihood of further damage to surrounding vegetation by people walking around the wet areas.

I am writing to ask for a donation for this project. The budget for this project is \$2,100. I am looking for 7 sponsors at \$300 each to be corporate sponsors of this project. If you would like to be a donor and hopefully a corporate sponsor, checks can be made payable to Troop 23 and can be sent to:

Janet LeTarte
Treasurer, Troop 23
91Parshley Lane
Strafford, NH 03884

Donations are tax deductible (tax ID# 22-0222115).

I can be reached at 692-7656 or by email at Geoaimckenney@aol.com

Whatever assistance you can provide would be greatly appreciated. I look forward to hearing from you. Also, if you would like to participate in the project or track its progress, you can check in at the Troop 23 Web Site. www.StraffordScouts.US

Sincerely,

Jordan McKenney
T 23
Strafford, NH