

FOREST PRESERVE DETAILED PROJECT WORK PLAN

Fiscal Year 2025
Project # 2025-RB-004
CO-WP 383

<u>Region</u> 5	<u>Project Title</u> Harriestown Connector Bridge
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<u>Project Type</u> New Construction	<u>Town(s)</u> Harriestown	<u>County</u> Franklin	<u>Management Unit</u> Remsen - Lake Placid Travel Corridor
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Description of Desired Condition(s) for Project

Provide a sustainable trail connection from the Harriestown Park to the Adirondack Rail Trail (ART). The trail from Harriestown Park is currently a single-track path built for pedestrians and bicyclists. The trail is on state land for approximately 35 feet from the town property boundary to the edge of the rail trail. The installation of the bridge improves conditions by keeping trail users from riding through a drainage ditch that can be wet and in spring or after heavy rains. This structure will also create better access for people of varying abilities, and it will protect the resource by keeping traffic out of the ditch. This should improve water quality by reducing siltation from disturbance.

Description of Project Specifications

A bridge will be installed over a drainage ditch adjacent to the ART. The connection from the ART to the bridge will have a stone dust surface. The bridge will span 20 feet and have a passable width of five feet. Railings will be installed on each side of the bridge. Railing height will be 54 inches above the decking. See attached drawings for bridge design.

Description of Measures Taken to Avoid, Mitigate and Minimize Impacts to Natural Resources

The site will be protected by placing a mulch filter sock to protect the water from siltation. Areas with disturbed soils will be reseeded with the same seed mix as has been required along the ART. Upon establishment of vegetation the filter sock will be removed.

This project minimizes tree cutting by utilizing an existing pathway. One tree between one and three-inches diameter at breast height (DBH), and four trees greater than three-inches DBH will be cut for this project.

FOREST PRESERVE WORK PLAN TREE TALLY

Project Name: Harrietstown Bridge
 State Land Unit: Lake Placid-Remsen Travel Corridor
 County: Franklin Town: Harrietstown
 Date Talled: 1/27/2025
 Talled By: Keith Carrow

Species	Diameter														Total
	1 to 3	4	6	8	10	12	14	16	18	20	22	24	26	28	
Yellow Birch	0	0	1	1	2										4
American Beech	1														1
Total	1	0	1	1	2										5

Note: 1" - 3" size class are trees from 1.0" to 2.9" DBH. 4" size class are trees from 3.0" to 4.9". 6" size class are trees from 5.0" to 6.9".

Analysis of Project Location and Design Alternatives

The preferred plan is to construct a bridge connecting a herd path to the ART. This will give those hiking, biking or skiing full access without getting themselves or equipment wet or making it muddy or more difficult for others. This will allow the sustainable use of an existing access trail.

If no action is taken, the existing herd path will likely continue to be utilized to access the rail trail from the town park. The path runs through a drainage ditch which could degrade water quality and make the path less accessible for people with different abilities. With the rail trail in this area being completed, traffic is expected to increase from this town park.

Another alternative considered was to move the trail connection to a location that does not require a bridge. This option would require more tree cutting and traverse poorly drained soils.

Description of Use of Motorized Equipment and/or Motor Vehicles (if any)

Battery operated hand tools will be utilized to build the bridge in place. A chainsaw will be needed for the tree removal. Vehicles will access the site by driving on the rail trail to deliver material and equipment to the site, and for removal of construction debris and equipment at the end of the build.

Description of Applicable Standards for Accessibility by People with Disabilities

Consistent with Americans with Disability Act (ADA) requirements, Department of Environmental Conservation (DEC) incorporates accessibility for people with disabilities into site planning, construction, and alteration of recreational facilities and assets supporting them. In addition, Title II of the ADA requires, in part, that services, programs, and activities of DEC, when viewed in their entirety, are readily accessible to and usable by people with disabilities. The ART at this location meets accessibility standards. As a result, the proposed trail improvement from the Rail Trail to the bridge will be built to applicable accessibility standards. This work plan does not address the accessibility of the Harrietstown bike trail beyond state land.

Other Relevant Considerations

All work associated with this bridge construction project will be performed by the Town of Harrietstown.

Prepared by (Name & Title): Keith Carrow
Phone: (518) 897-1336

Date: 1/27/2025

Approvals:

Comments:



Regional Program Manager
Date: 5/9/2025



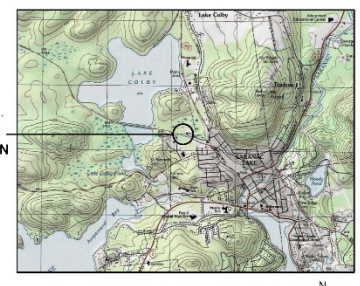
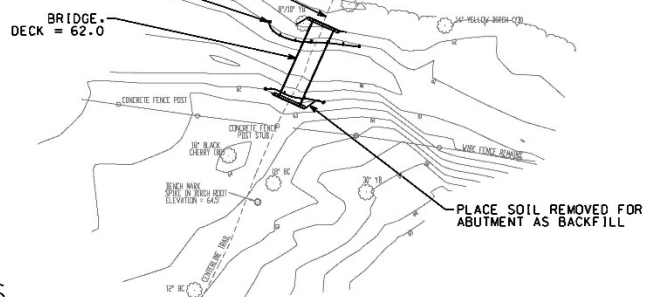
Regional Director
Date: 7/1/2025



On behalf of Fiona Watt

Division Director
Date: 6/30/2025

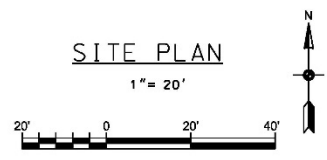
GRADE APPROACHES FOR SMOOTH TRANSITION TO BRIDGE, TYP
 FILTER SOCK, TYP
 BRIDGE DECK = 62.0



LOCATION MAP
 NTS

GENERAL NOTES

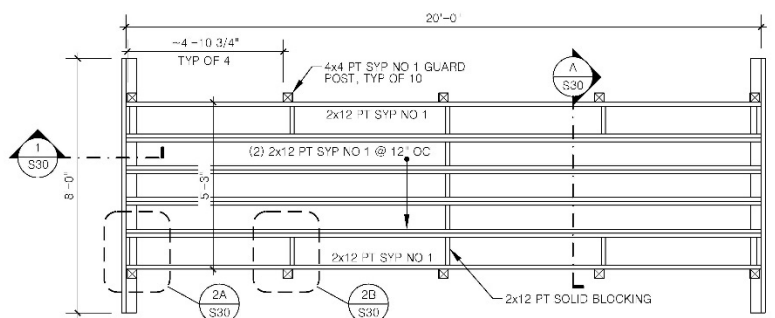
1. SITE PLAN BASED ON SURVEY BY A.L.L. LAND SURVEYING, DATED OCTOBER 7, 2024.
2. CONTACT UDIG NEW YORK MIN TWO DAYS PRIOR TO ANY EXCAVATION (NOT INCLUDING DAY OF PHONE CALL).
3. CONTACT NORTH WOODS ENGINEERING, PLLC AT (518) 891-4975, MIN 2 DAYS PRIOR TO CONSTRUCTION.
4. CONTRACTOR SHALL PROVIDE AS-BUILT SKETCH OF INSTALLED OR LOCATED COMPONENTS TO OWNER AND ENGINEER.
5. RESTORE ALL EXTERIOR DISTURBED AREAS. SEED TO GRASS AND MULCH.



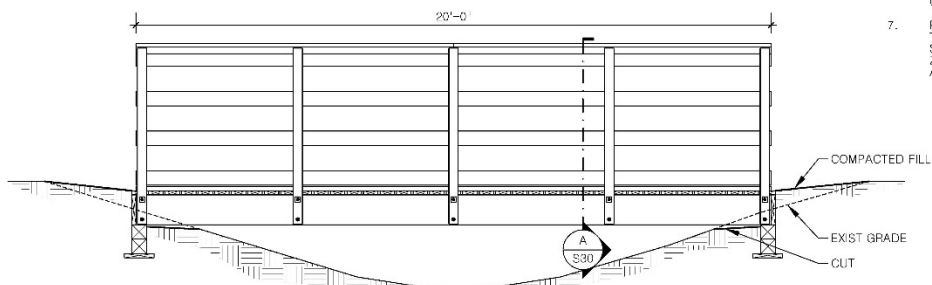
TIE SCHEDULE

RT STATION	N BRIDGE CL	S BRIDGE CL
778+67.77	31.26'	50.97'
779+31.55	85.49'	98.52'
CL TRAIL	26.10'	45.54'

<p>WARNING: IT IS A VIOLATION OF NEW YORK STATE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER AN ITEM IN ANY WAY. IF ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.</p>	<p>PROJECT TITLE: TOWN OF HARRIETSTOWN RAIL TRAIL BRIDGE</p>	<p>North Woods Engineering PLLC 348 Lake Street Saranac Lake, NY 12983 (518) 891-4975 www.north-woods-engineering.com</p> <p>New York State Certified Licensed Structural Engineer</p>	<p>DRAWING TITLE: SITE PLAN</p> <p>LOCATION: SARANAC LAKE, NY DRAWN BY: RRG DATE: 11/22/24 CHECKED BY: JAG DATE: 11/22/24</p>	<p>PROJ NO: 24-095 REVISION: ORIGINAL 11"x17" DRAWING NUMBER: C10</p>
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FRAMING PLAN
 3/8" = 1"



ELEVATION
 3/8" = 1"

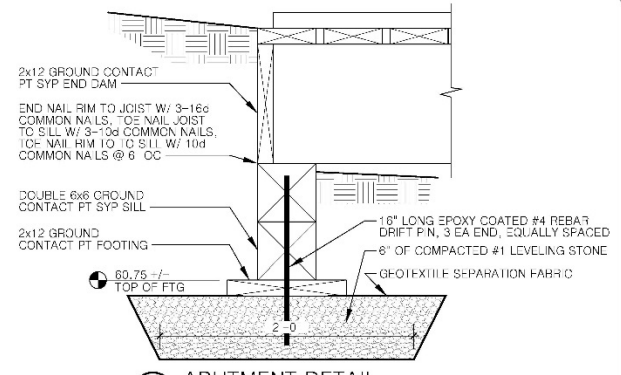
SAWN LUMBER FRAMING NOTES

1. ALL EXTERIOR FRAMING TO BE PRESSURE PRESERVATIVE TREATED WOOD, INTENDED FOR EXTERIOR USE.
2. PRESSURE PRESERVATIVE TREATED LUMBER SHALL BE TREATED IN ACCORDANCE WITH AWPA U1. ABOVE GROUND SERVICE CONDITION SHALL BE RH-A1-D PER USE CATEGORY U3 OR HIGHER. GROUND CONTACT SERVICE CONDITION SHALL BE TREATED PER USE CATEGORY U3 OR HIGHER.
3. ALL PRESSURE PRESERVATIVE TREATED WOOD SHALL BE SOUTHERN PINE NO. 2 OR BETTER, WITH THE EXCEPTION OF 6x6s, WHICH SHALL BE NO. 2 OR BETTER, UNDO.
4. WHERE DIMENSIONS OF LUMBER ARE SPECIFIED, THEY SHALL BE DEEMED TO BE NOMINAL DIMENSIONS UNLESS SPECIFICALLY DESIGNATED AS ACTUAL DIMENSIONS.
5. SAWN LUMBER USED FOR LOAD SUPPORTING PURPOSES SHALL BE IDENTIFIED BY THE GRADE MARK OF A LUMBER GRADING OR INSPECTION AGENCY THAT HAS BEEN APPROVED BY AN ACCREDITATION BODY THAT COMPLIES WITH DOC P5 20 OR EQUIVALENT.
6. ALL MECHANICAL CONNECTIONS SHALL MEET THE MINIMUM REQUIREMENTS OF THE BUILDING RESIDENTIAL CODE OF NEW YORK STATE FOR STANDARD LIGHT-FRAME CONSTRUCTION, UNLESS SPECIFIED OR DETAILLED OTHERWISE.
7. FASTENERS FOR PRESERVATIVE-TREATED (E PRESERVE TREATED) WOOD SHALL BE OF HOT DIPPED GALVANIZED STEEL OR STAINLESS STEEL. THE COATING WEIGHTS FOR ZINC COATED FASTENERS SHALL BE IN ACCORDANCE WITH ASTM A153.

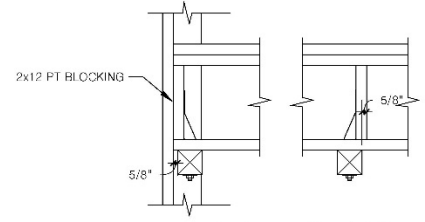
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A
SECTION/RAILING DETAIL
S30 1" = 1'



1
ABUTMENT DETAIL
S30 1 1/2" = 1'



2
GUARD POST CONDITIONS
S30 1" = 1'

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PROJECT TITLE:
**TOWN OF HARRIETSTOWN
RAIL TRAIL BRIDGE**

**North Woods
Engineering LLC**
348 Lake Street - Saratoga Lake, NY 12958
(518) 851-4575
www.northwoods-engineering.com

DRAWING TITLE:
SECTION AND DETAILS

LOCATION: SARATOGA LAKE, NY

DRAWN BY: DMD	DATE: 1'-22-27	ORIGINAL
CHECKED BY: JN	DATE: 1'-22-27	11"x17"

CAD FILE: Rail Trail Bridge.dwg

PROJ NO: 24-085

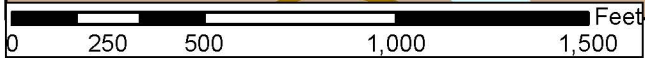
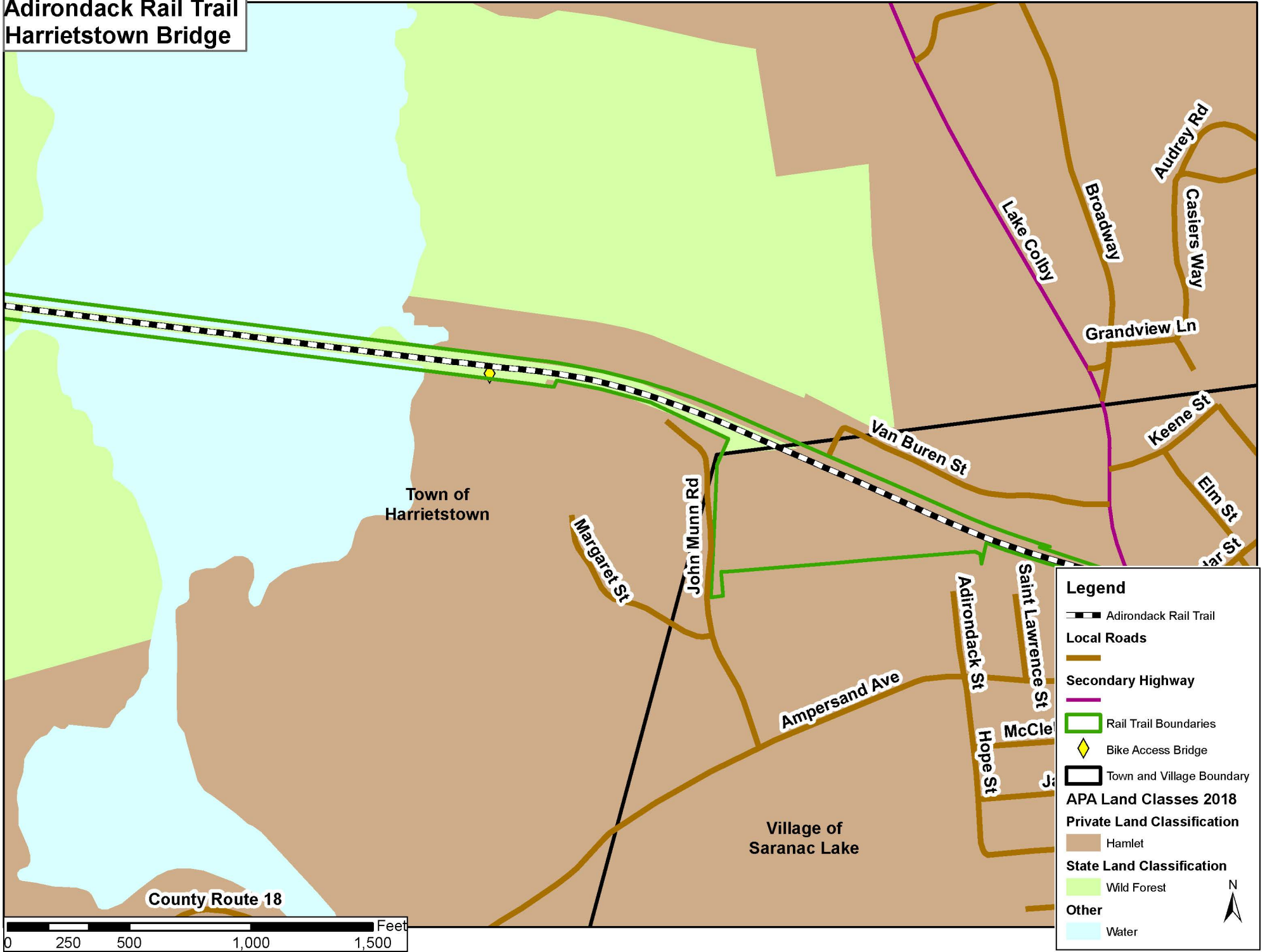
REVISION:
DRAWING
NUMBER:

S30

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 checked="" type="checkbox"/>		
Lands and Forests	Unit Management Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Lake Placid Remsen Travel Corridor
	Tree Cutting	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Upon Approval of 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 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 type="checkbox"/>	<input checked="" type="checkbox"/>		
	Commissioner (aircraft, motorized equipment)	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Flight Request	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Contract Clearance Sh.	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	DOB Exemption	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Other Agencies	APA MOU	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	APA Wetlands Permit	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Corps. of Engineers	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Building Permits	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Local Permits	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Easements	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Highway Enter DOT	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Wastewater Disposal	<input type="checkbox"/>	<input checked="" type="checkbox"/>			

Adirondack Rail Trail Harrietstown Bridge



Legend

- Adirondack Rail Trail
- Local Roads**
- Secondary Highway
- Rail Trail Boundaries
- Bike Access Bridge
- Town and Village Boundary
- APA Land Classes 2018**
- Private Land Classification**
- Hamlet
- State Land Classification**
- Wild Forest
- Other**
- Water

