





Ashokan Rail Trail Project Introduction and Project Background

- Non-motorized, fully-accessible recreational trail for hiking, bicycling, running, and winter activities
- Planned for the northern edge of the Ashokan Reservoir from West Hurley to Boiceville (11.5 miles)
- Project will use the Ulster & Delaware ("U&D") Corridor, which U.C. Legislature slated for conversion to trail







Ashokan Rail Trail Project Project History and Timeline

2012: County Executive Mike Hein proposed trail development

2013: Historic agreement with NYC DEP announced to facilitate and partially fund project (\$2.5 million plus trailheads)

2013: New York State awards \$2 million for project

2014: Feasibility Study begins; funded by OSI, WLC, DF

2014: County Legislature passes Res. No. 275 policy for "segmented rail-with-trail"

2015: Legislature passes Res. No 488 for compromise policy and authorizes ART project design

2016: Barton & Loguidice engineers start environmental work and preliminary trail design/
CMRR lease expires

12/2017: Construction start





Ashokan Rail Trail Project

Trail Agreement with NYC DEP

- ✓ Allows recreational trail along Ashokan Reservoir
- ✓ Protects County's perpetual railroad easement
- ✓ Provides \$2.5 Million in funding from NYC DEP
- ✓ NYC DEP funded public trailheads
- ✓ Requires unpaved trail surface/ prohibits horses
- ✓ Preserves hunting and fishing access to DEP lands



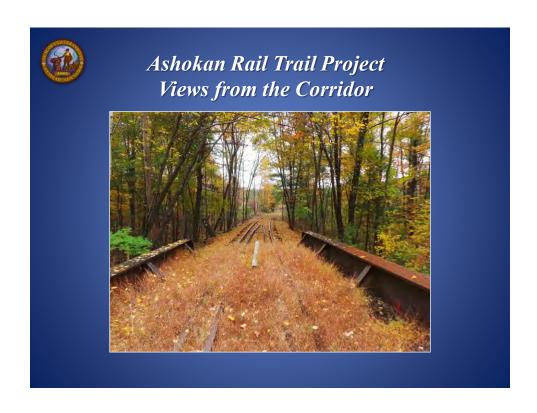
Ashokan Rail Trail Project Project Goals and Expected Benefits

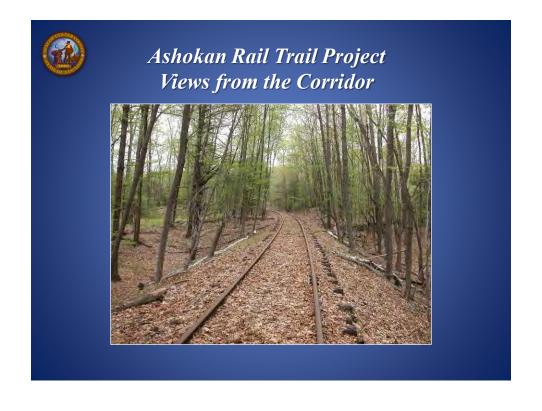
- Protect quality of drinking water supply
- > Expand public recreational opportunities
- > Promote increased tourism/ economic development
- Improve public health through active lifestyles
- > Enhance quality of life
- Preserve and stabilize the historic U&D corridor
- Educate public on history and natural resources

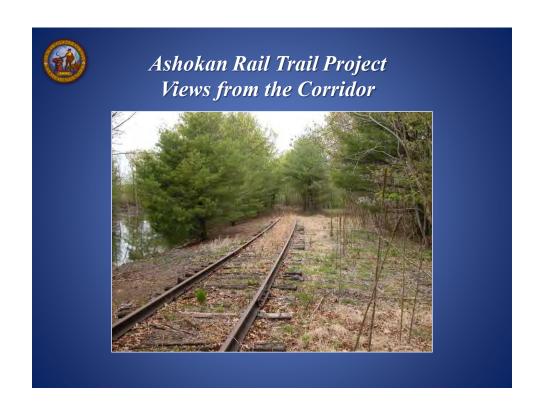


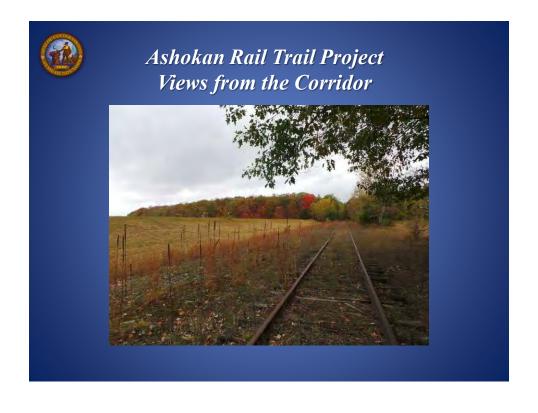
"We have a unique opportunity to create a world-class tourism destination and connect the Walkway Over the Hudson to the Ashokan Reservoir and Catskills."

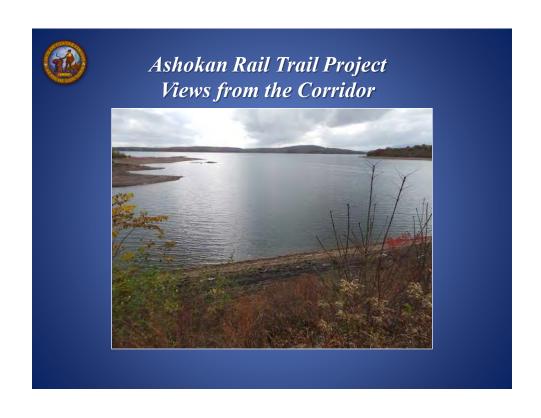
- County Executive Mike Hein

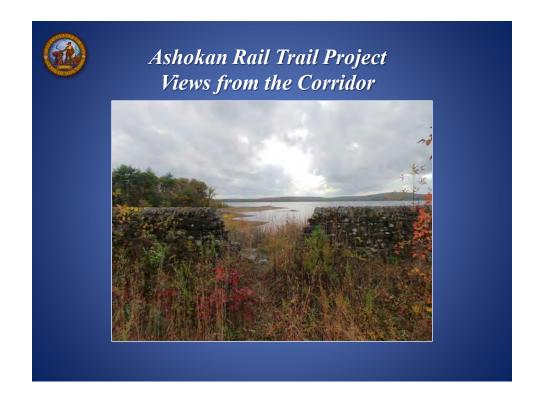


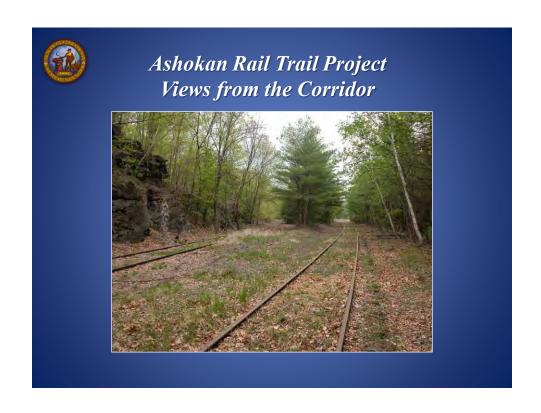


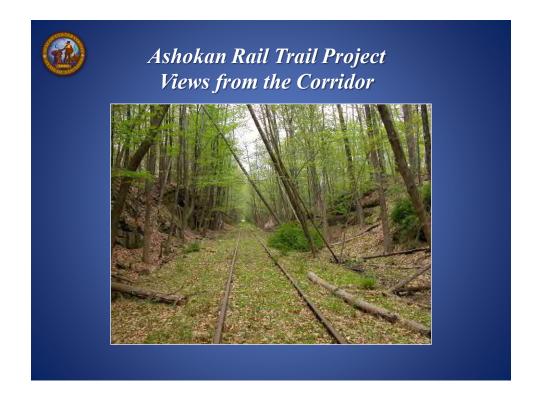


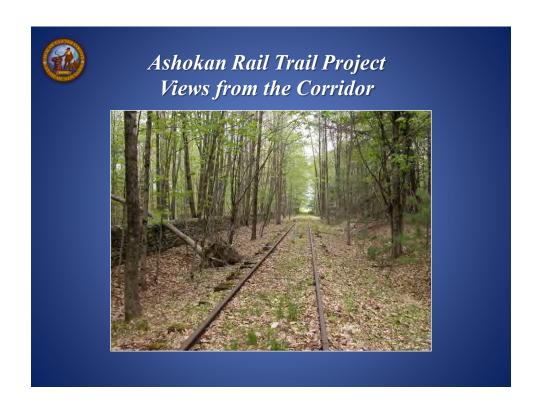


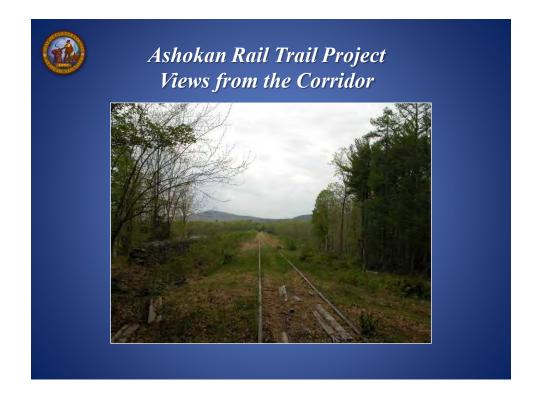


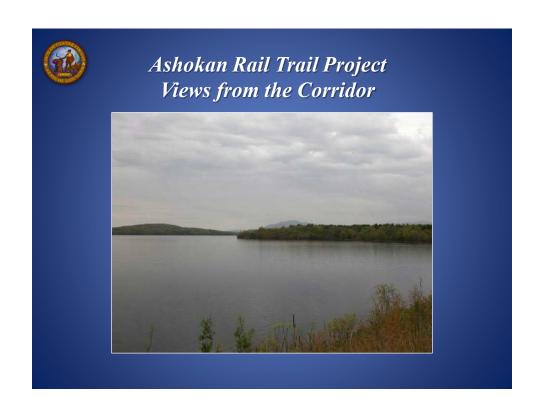


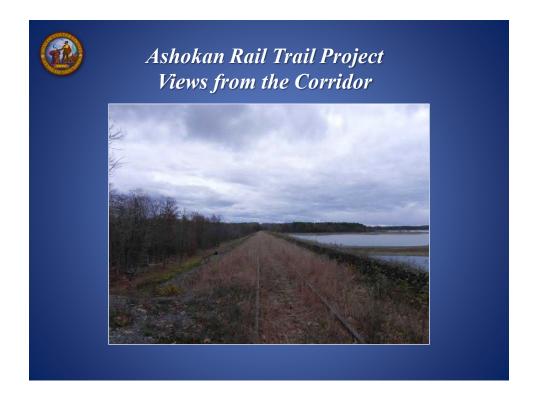


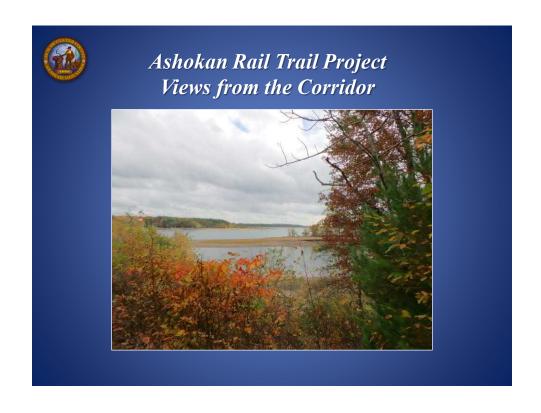


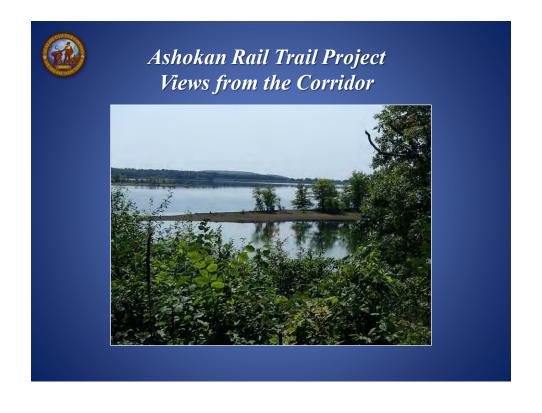


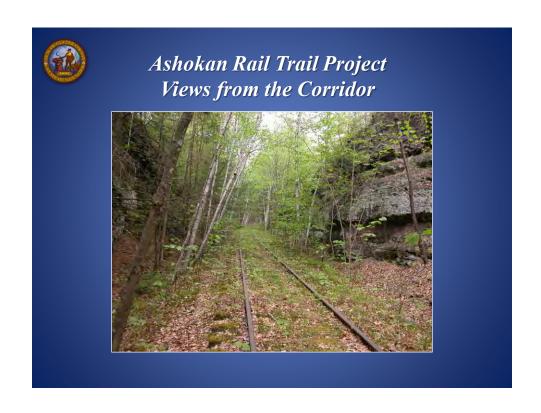


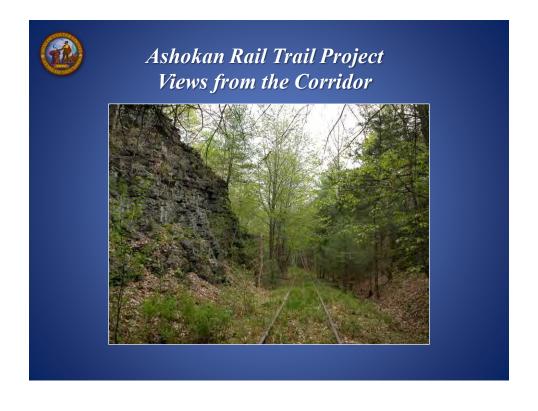


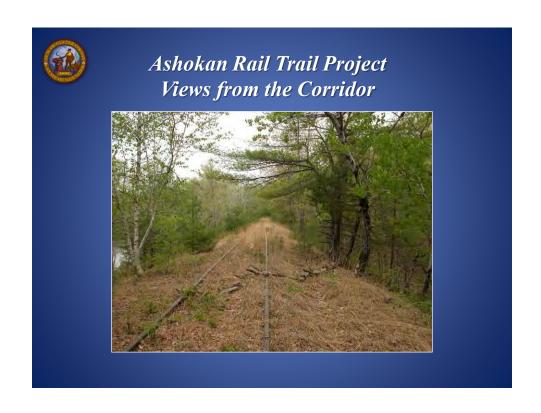


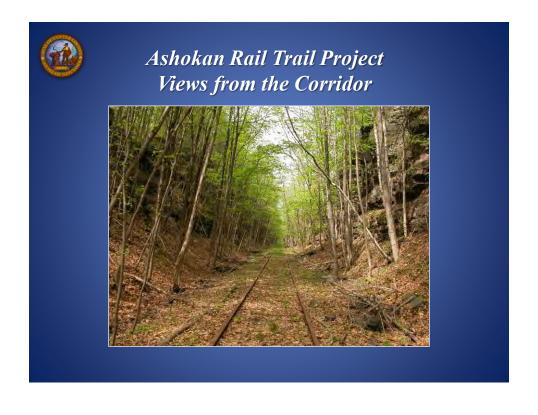


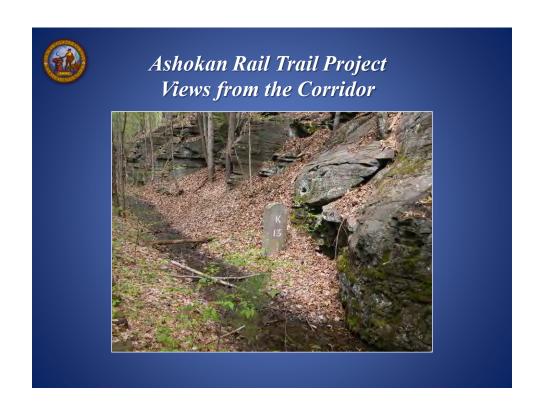


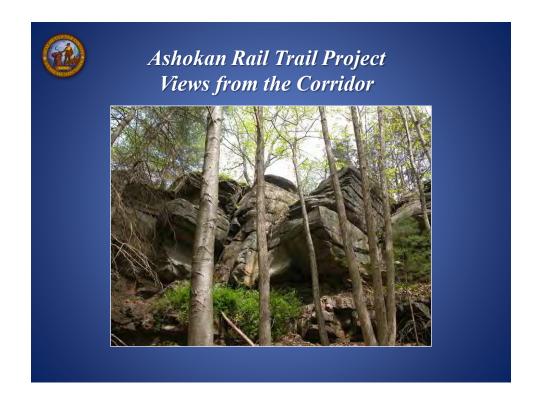


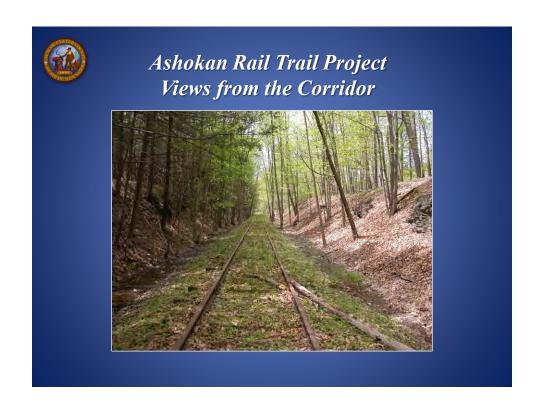


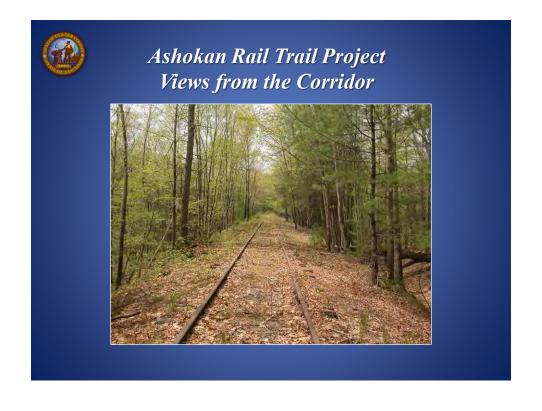


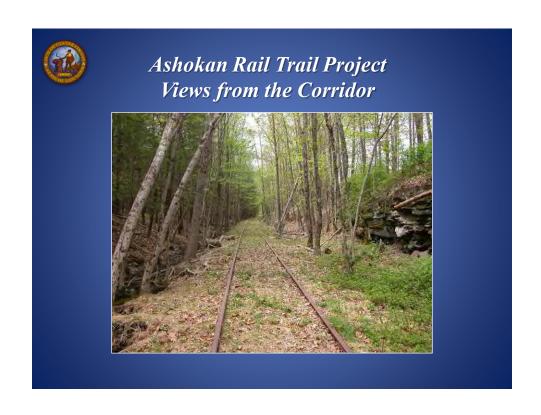




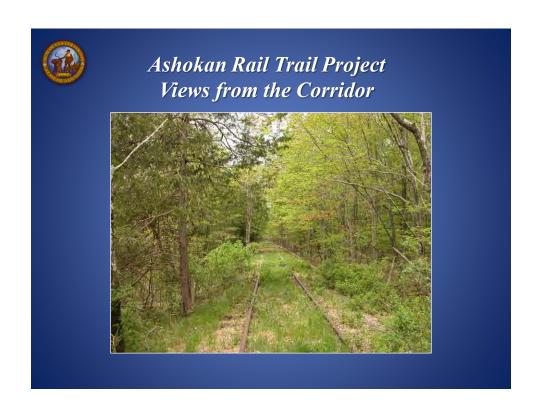


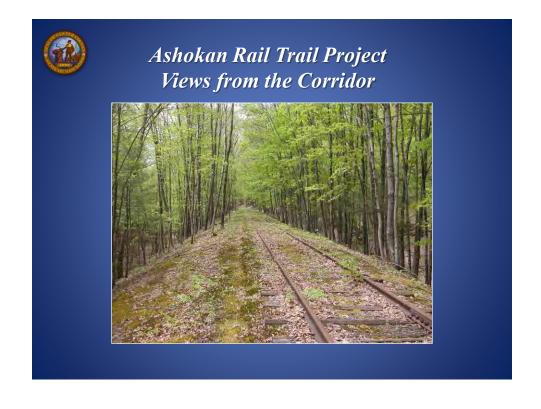


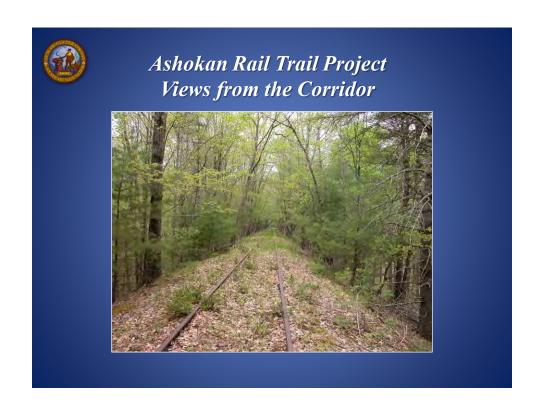


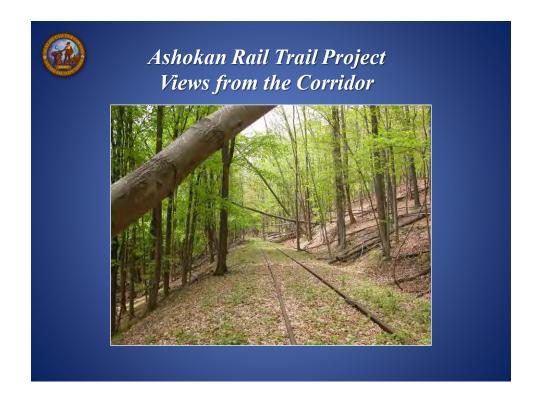


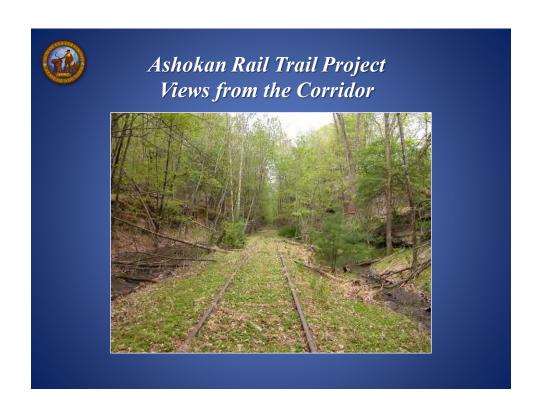


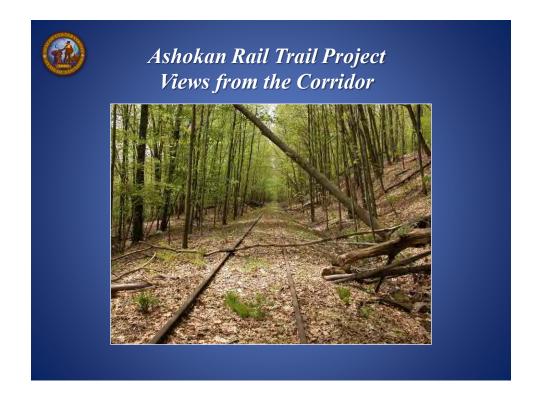


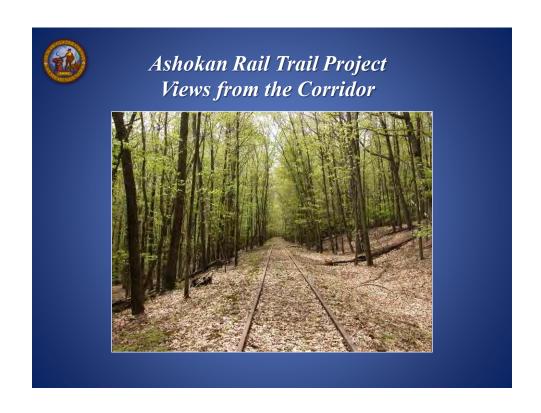


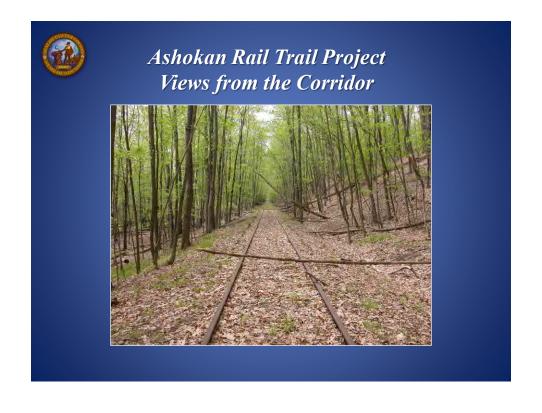


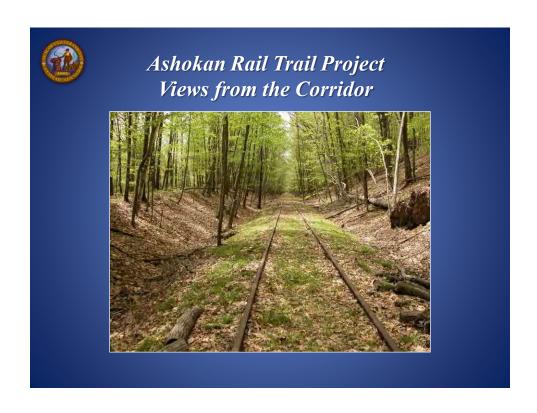


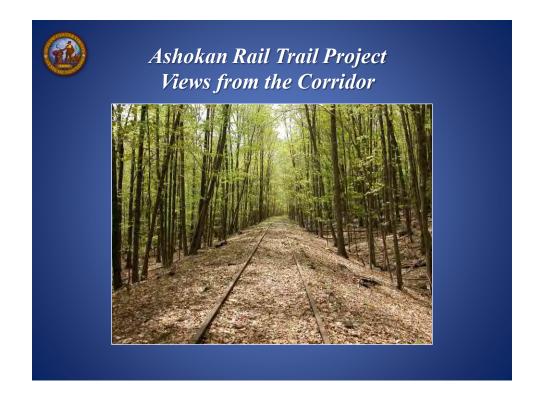


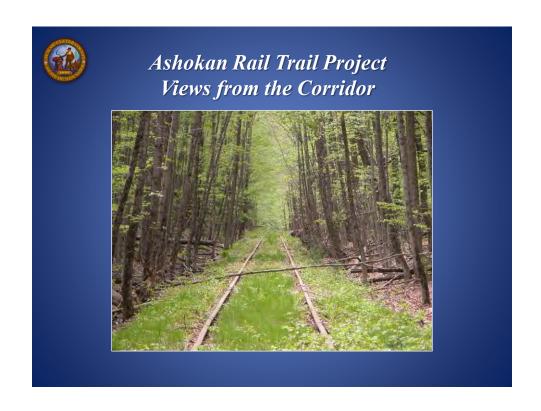


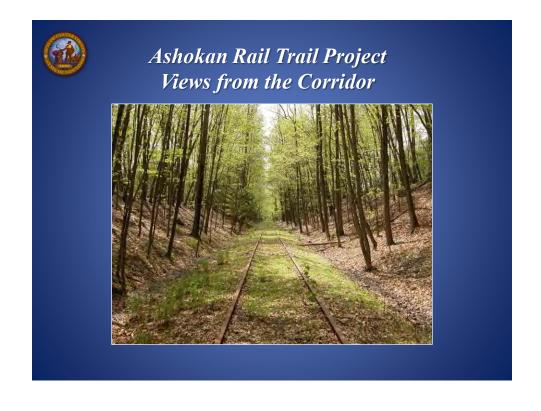


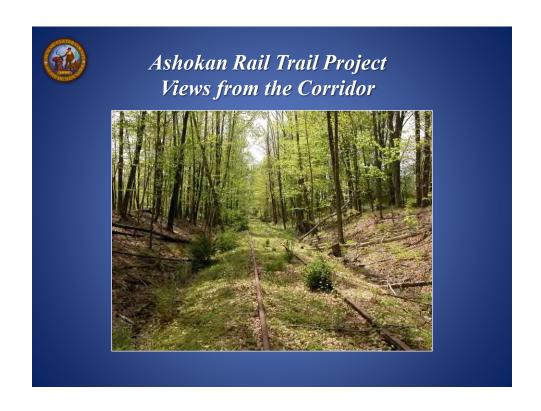


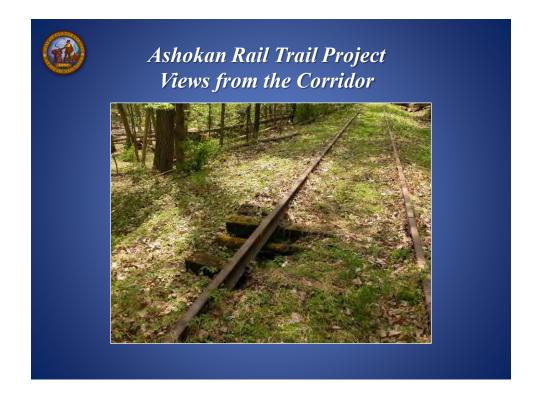


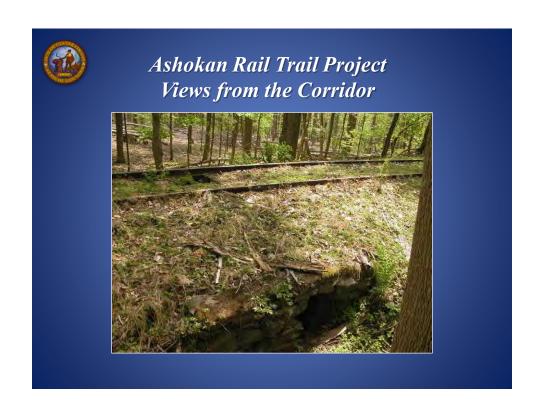


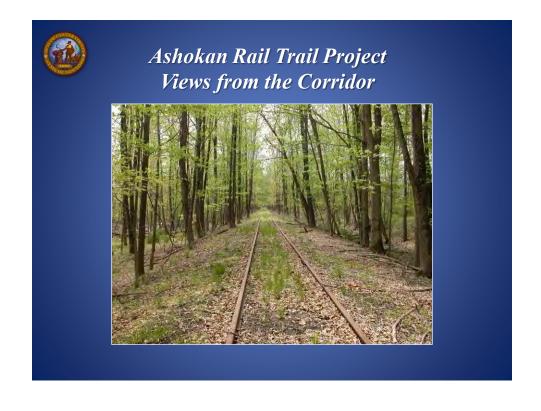


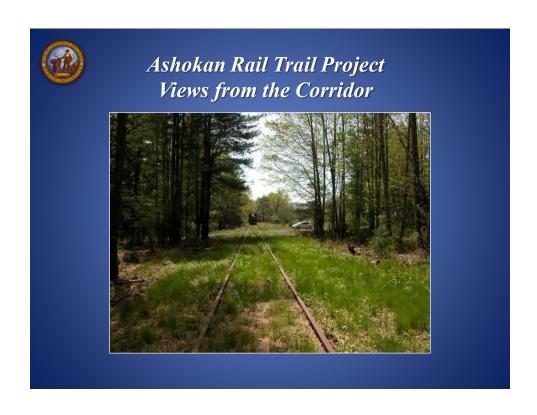


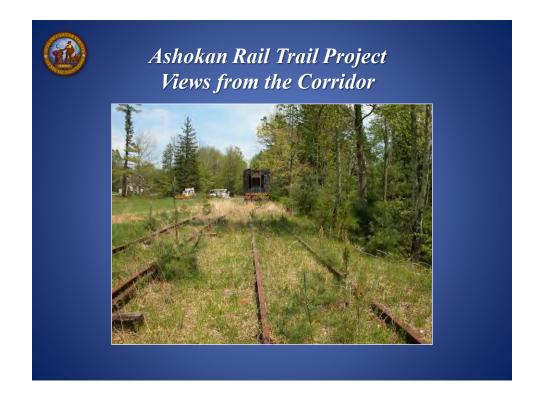


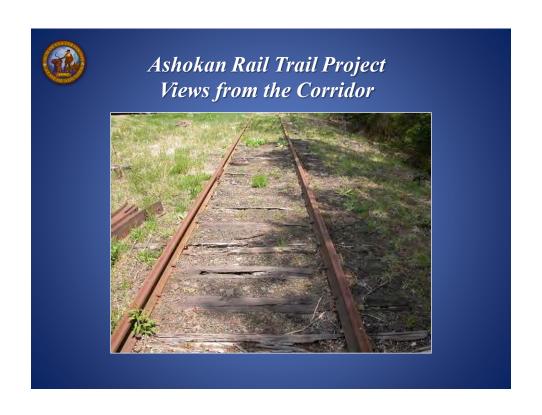


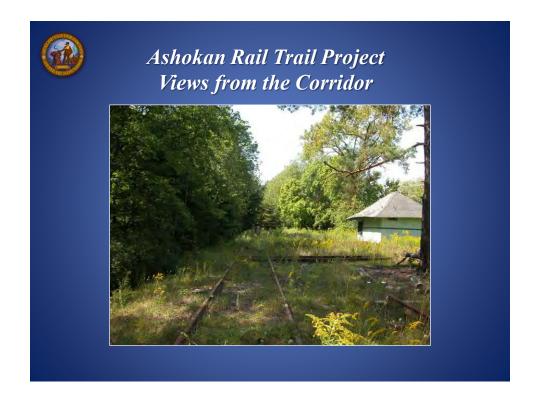


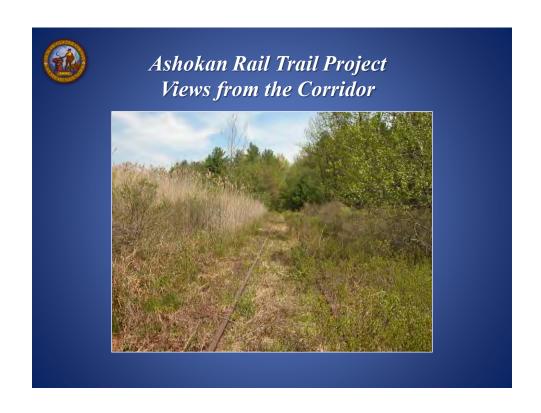


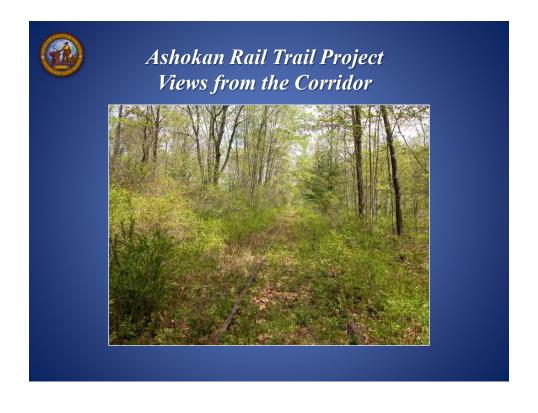


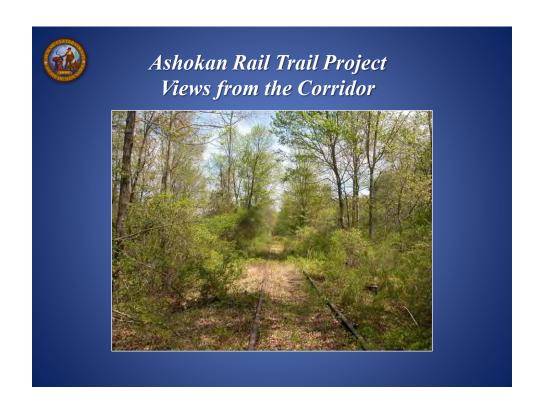


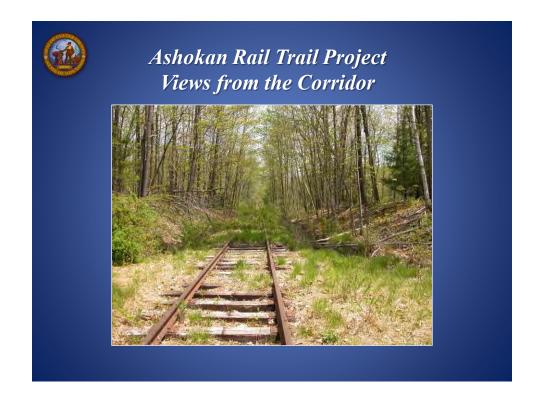


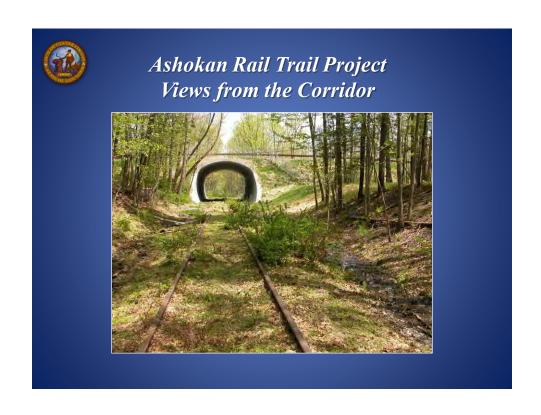


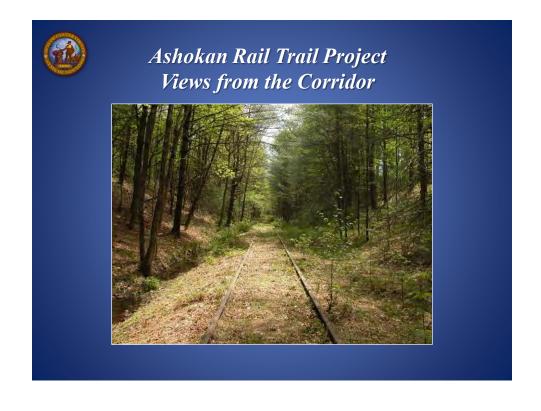


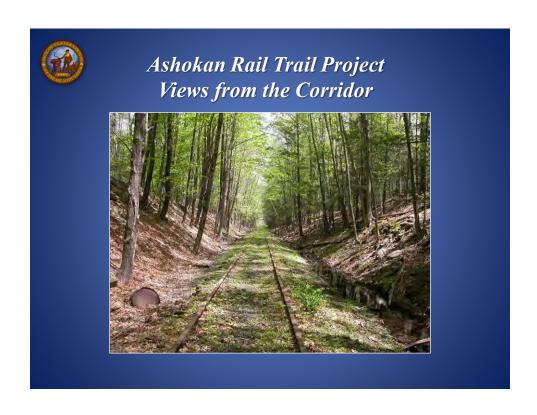


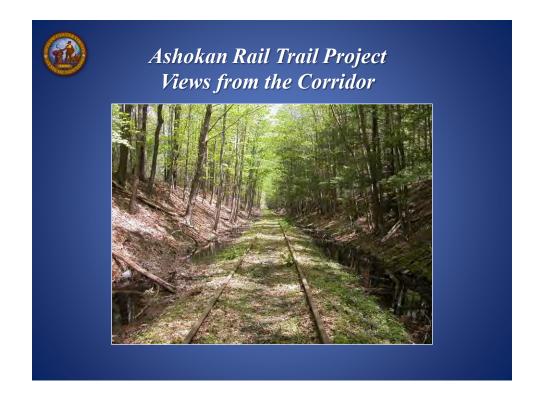


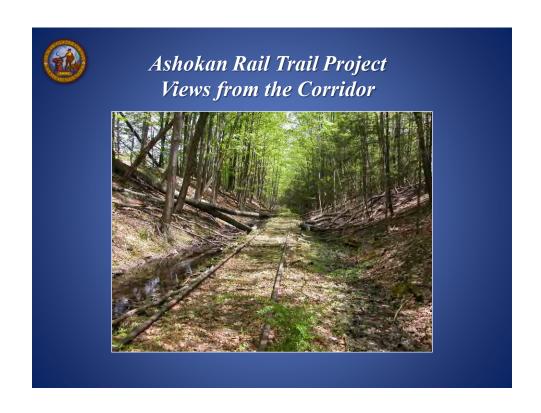


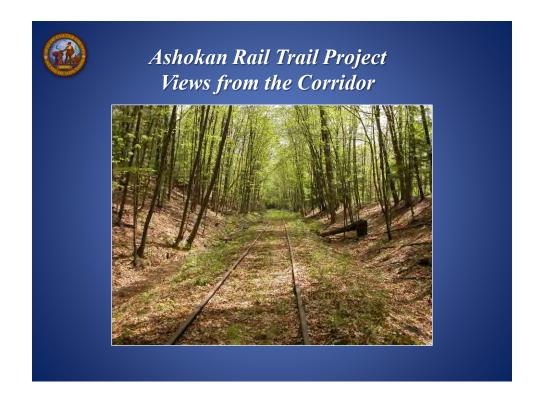


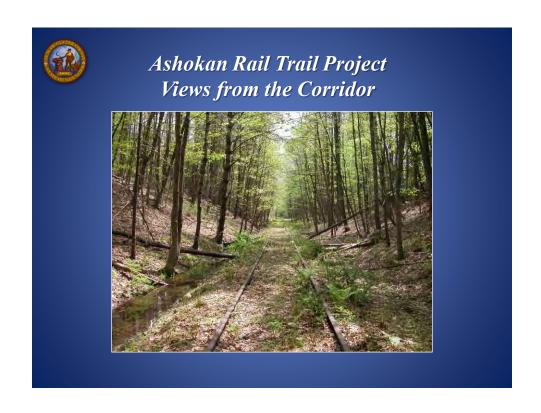


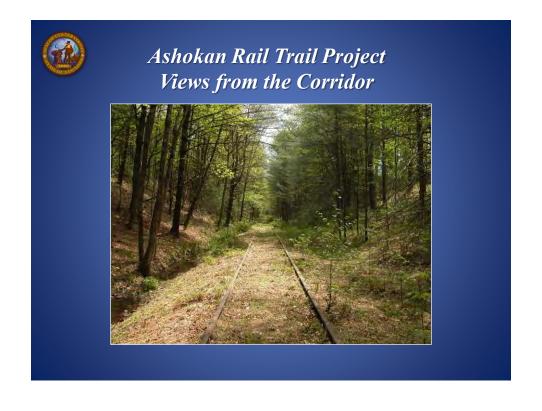


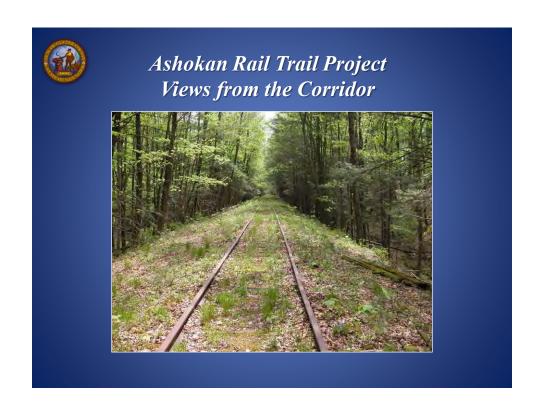


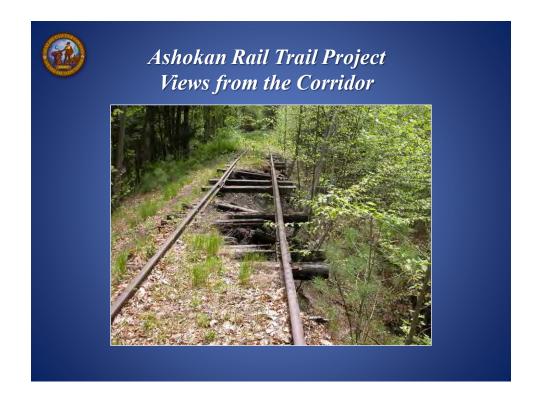


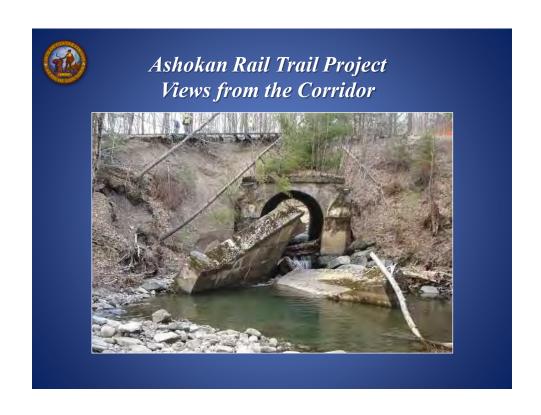


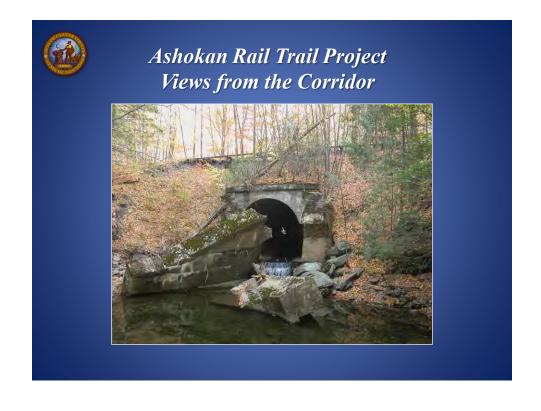


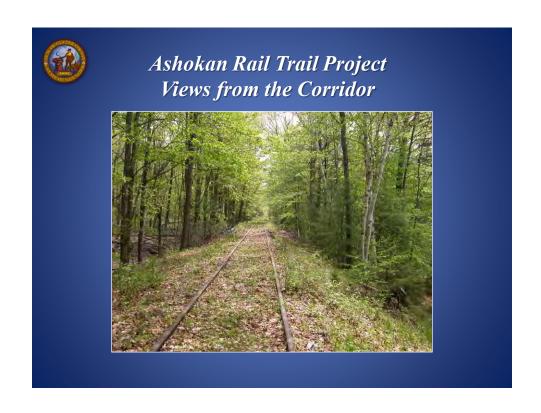


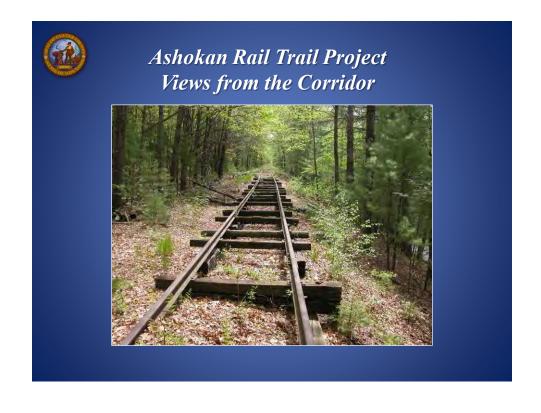


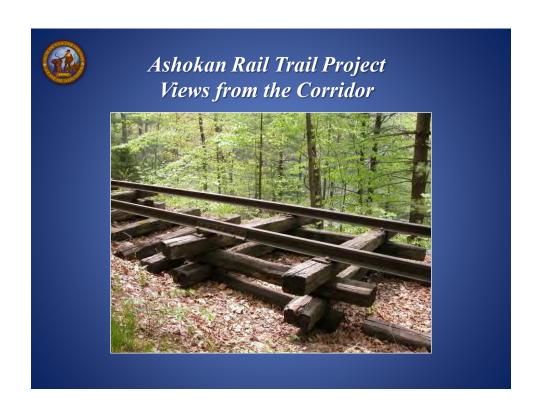


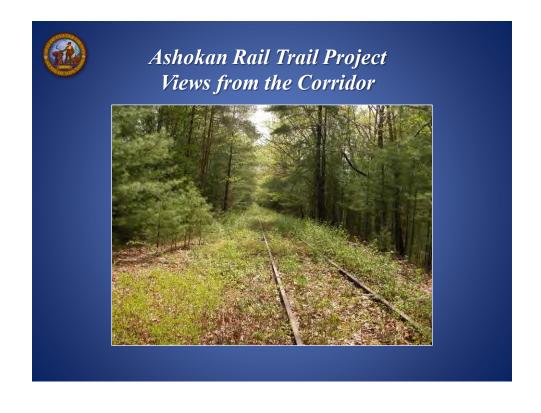


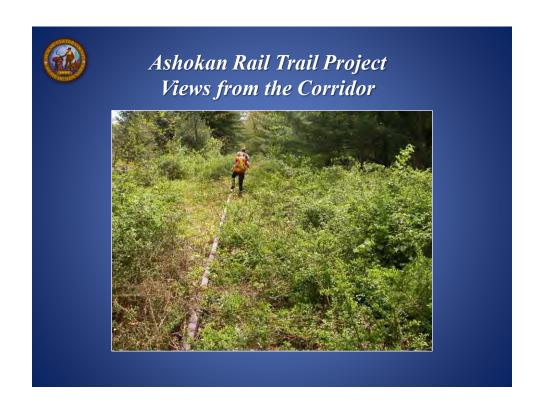


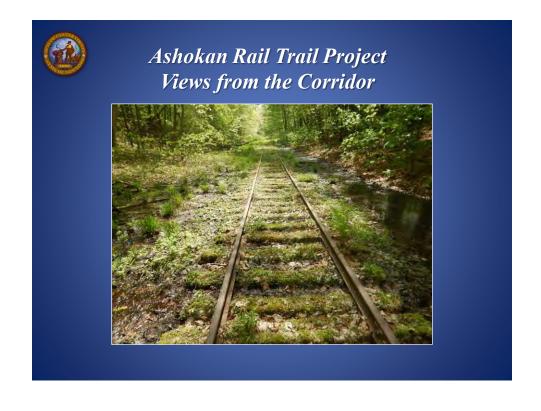


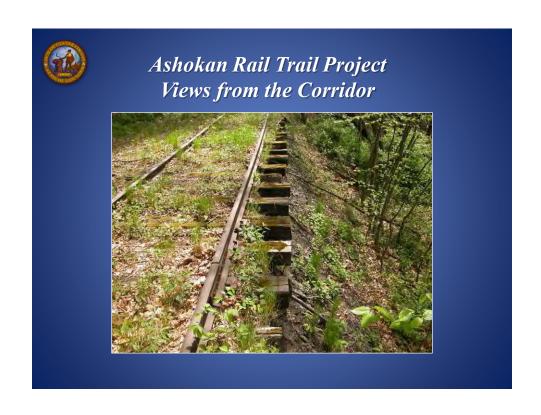


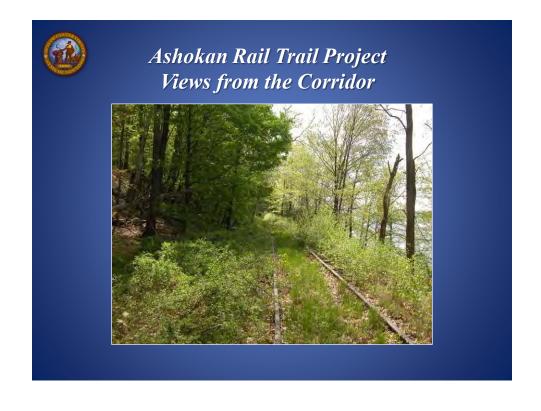


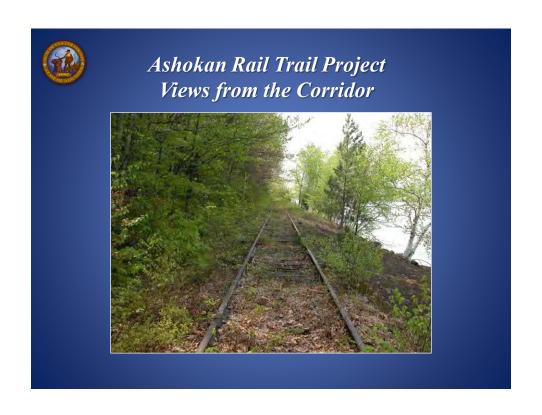


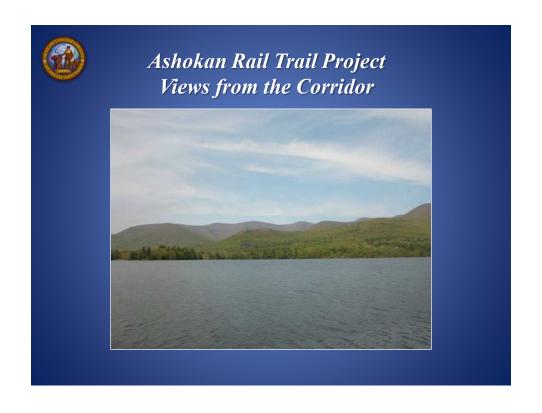


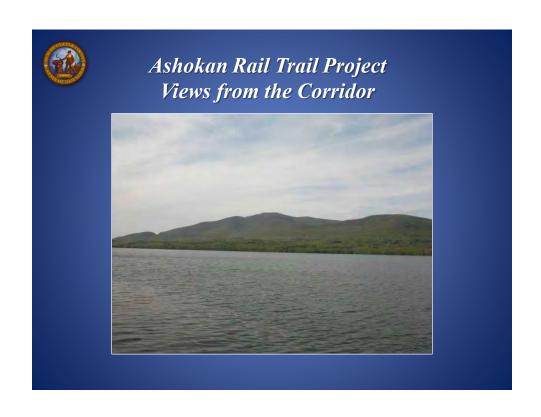


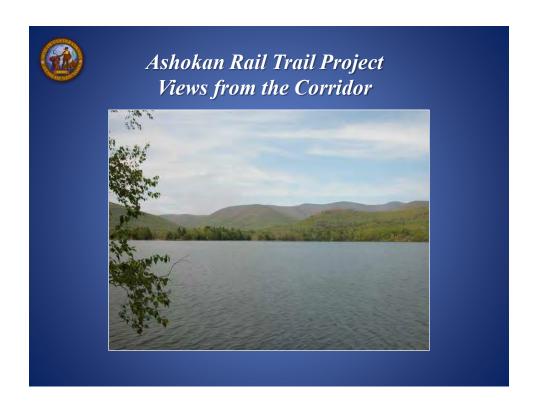


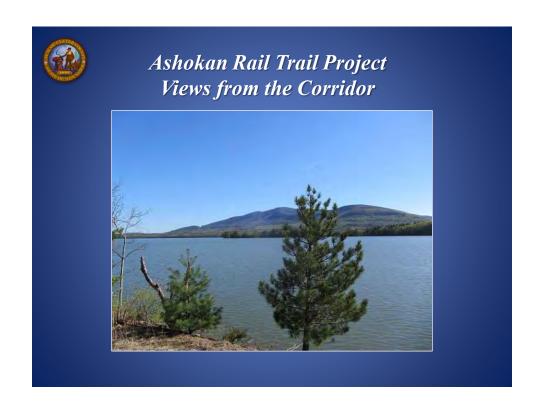


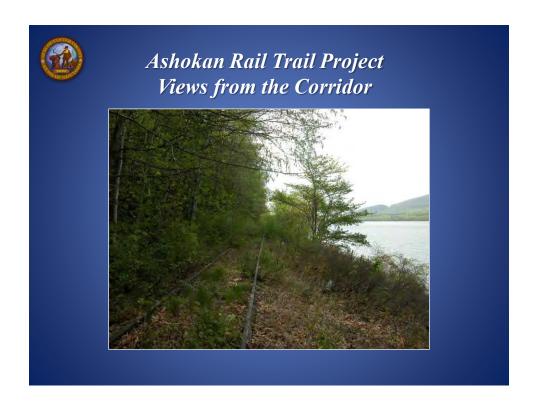


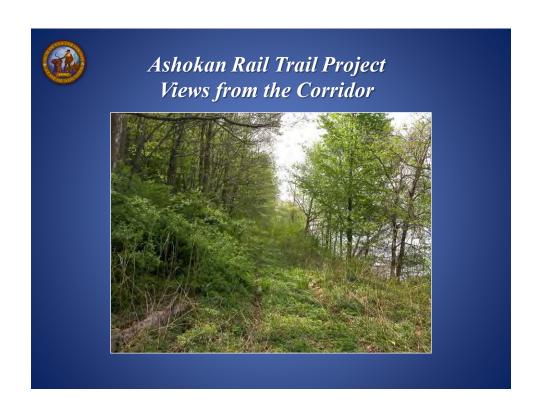


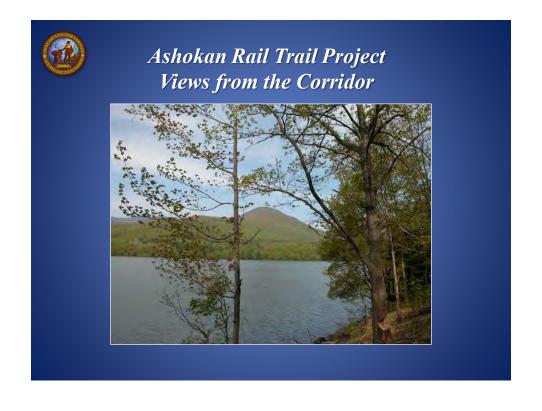


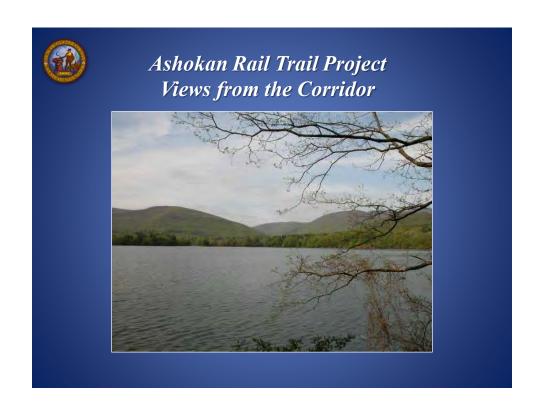


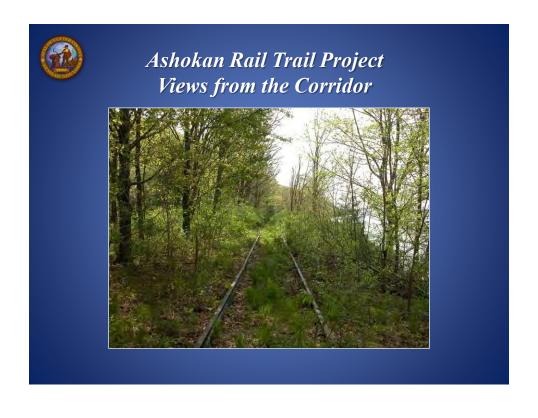


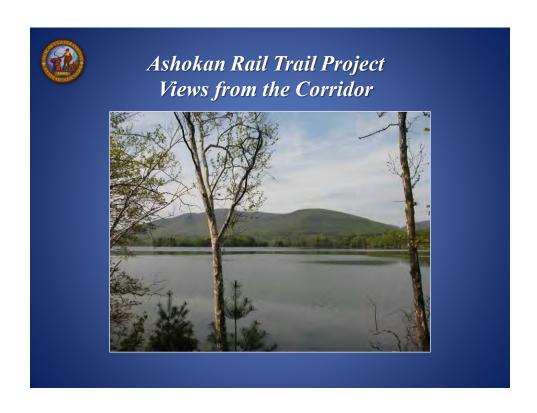


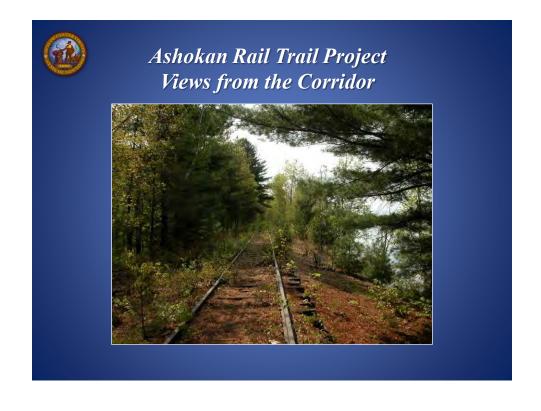


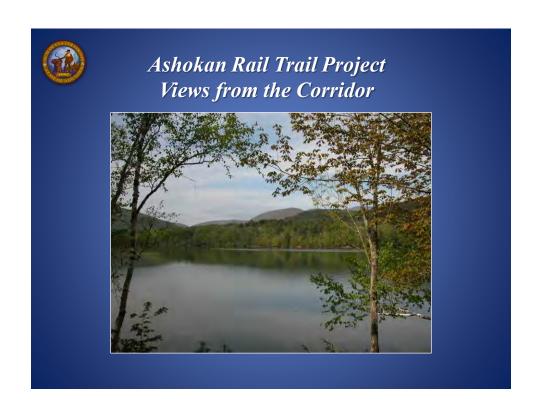


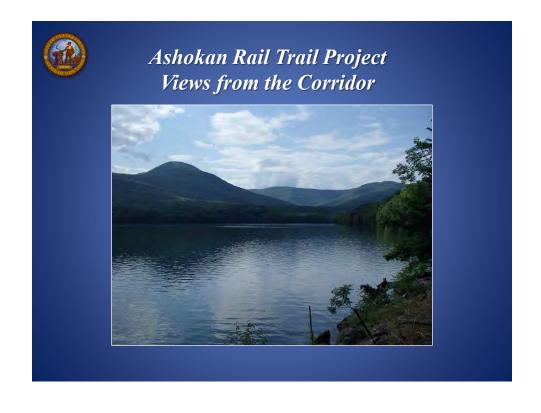


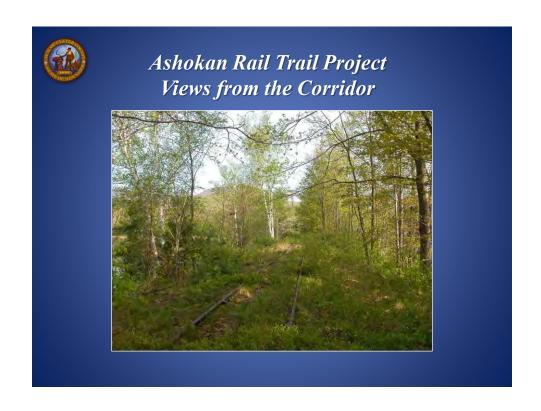


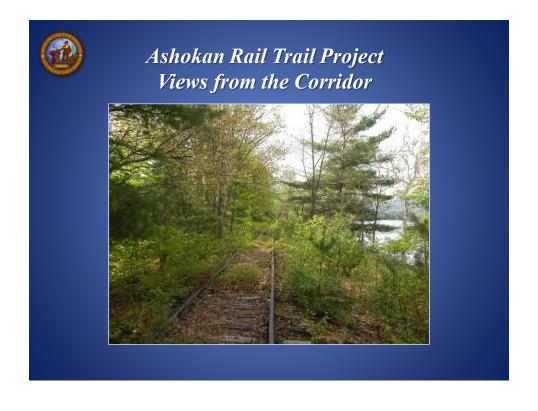


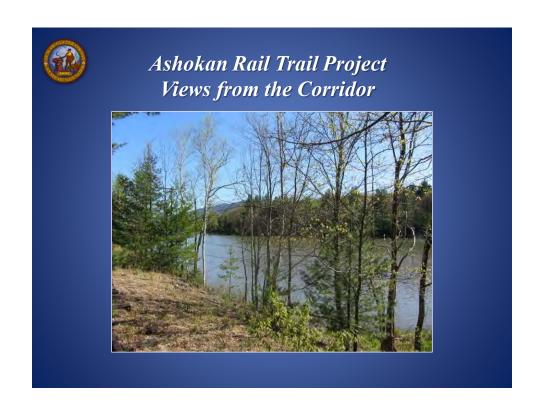


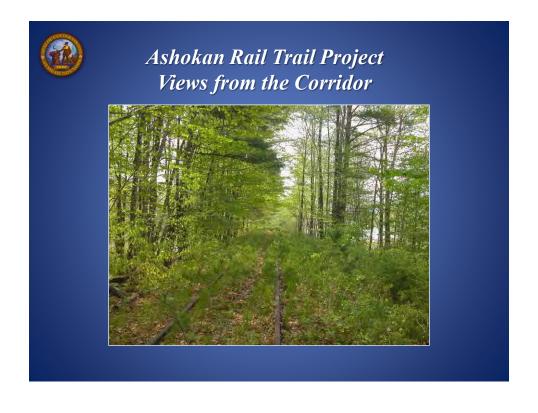


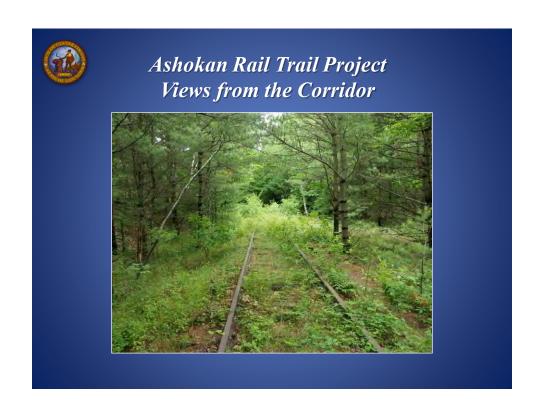


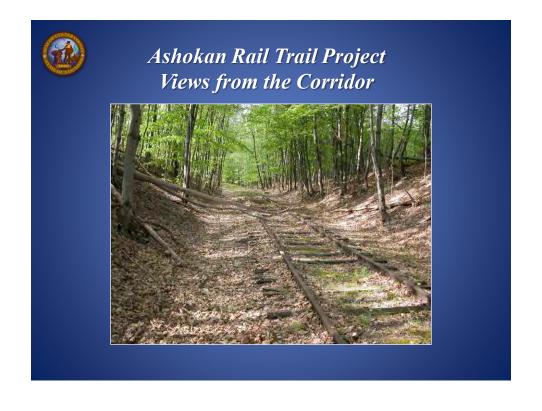


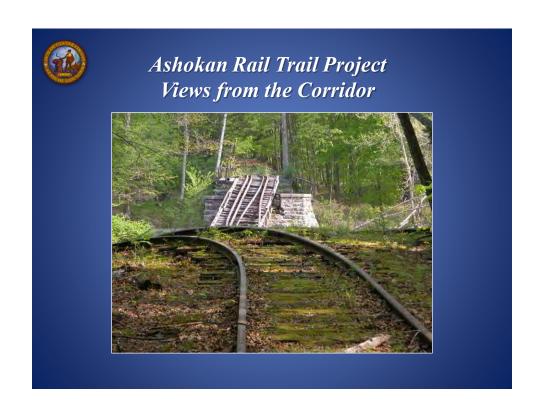


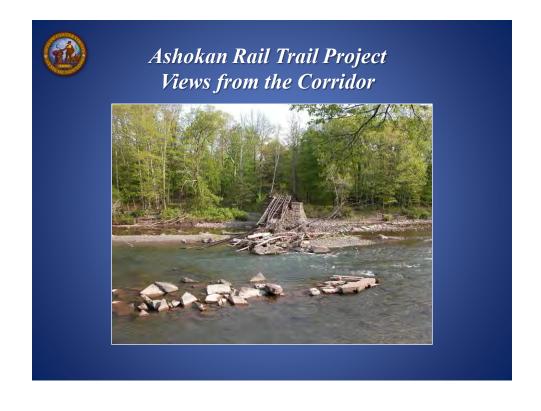


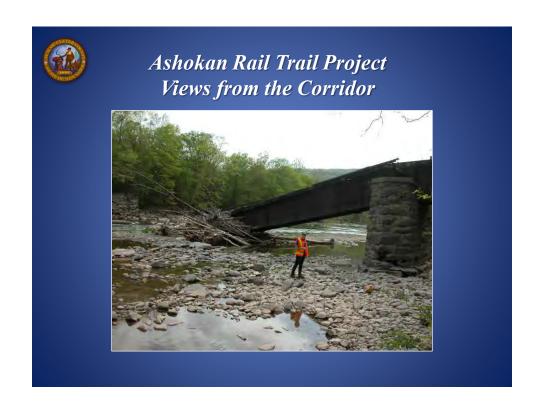


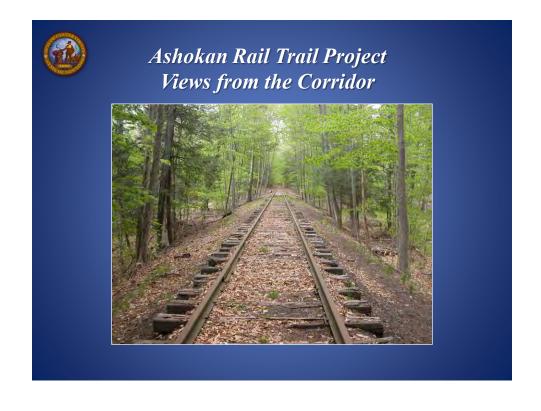


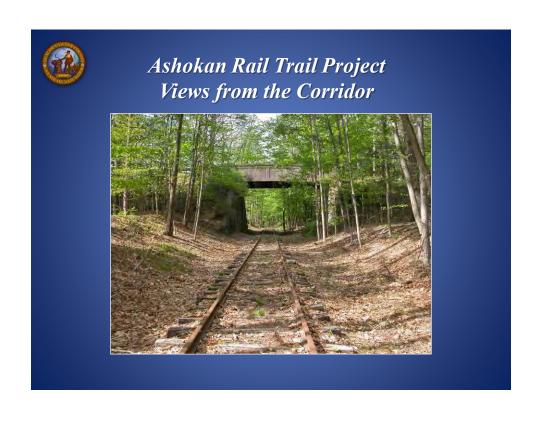






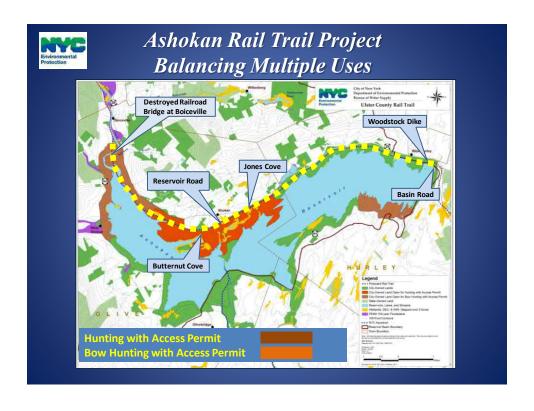




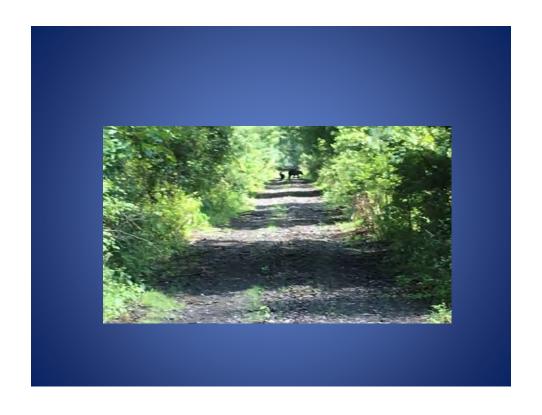


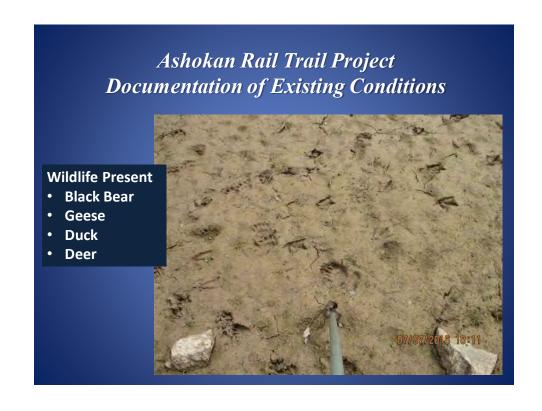




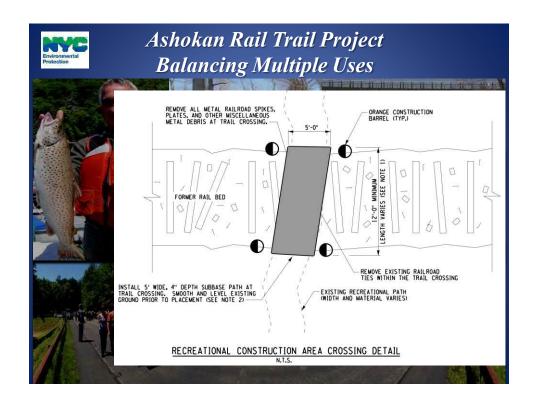


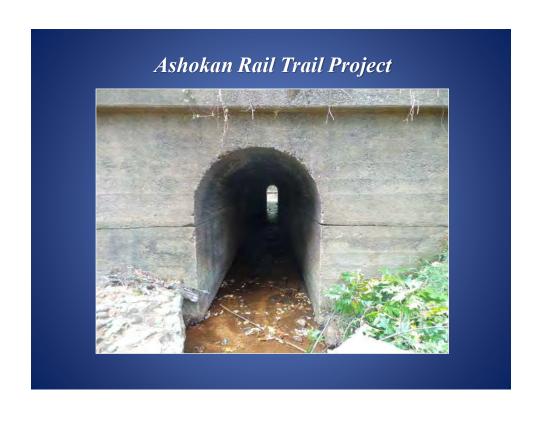












Ashokan Rail Trail Project Feasibility Study (2014-2015)

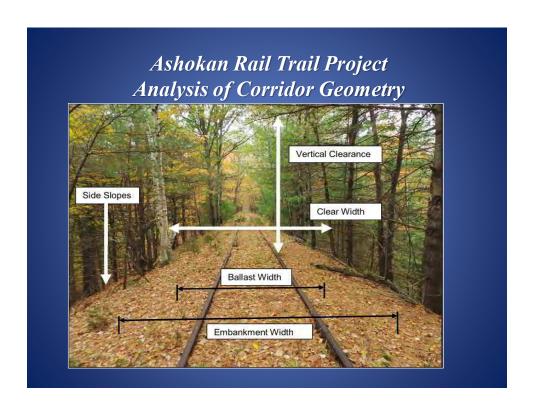
F.S. MAJOR FINDINGS:

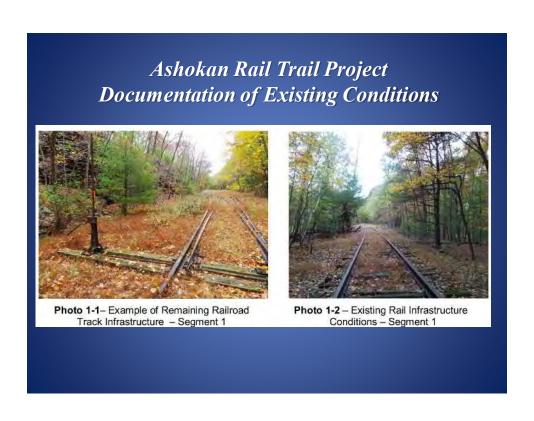
- Scenic views and incredible beauty along corridor offer opportunity for world-class destination
- Corridor is largely intact and conversion to trail is straightforward with exception of two large subprojects (Boiceville Trestle/ Butternut Culvert)
- ➤ Future trail has logical and feasible public access points on each end of the trail and at midpoint
- ➤ Budget for trail only approximately \$5 Million without two large subprojects (add \$3-3.5 M)
- Trail can be developed as a model for balancing watershed protection with public recreation

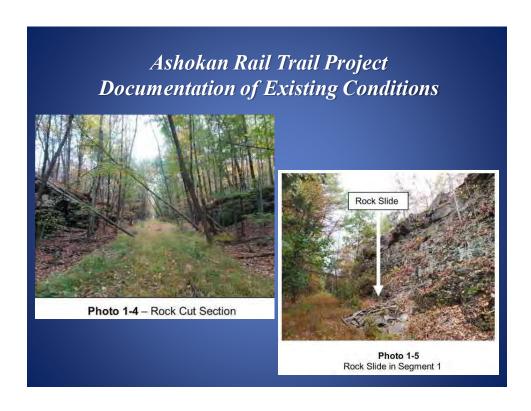


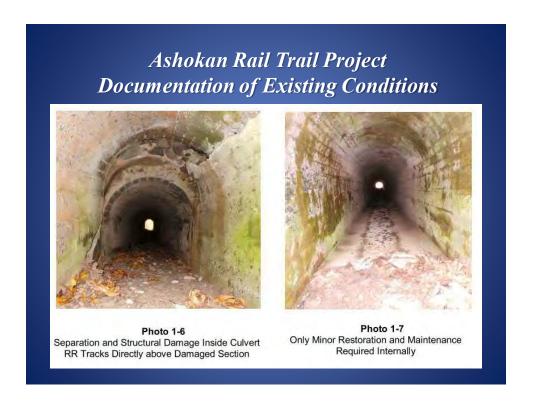


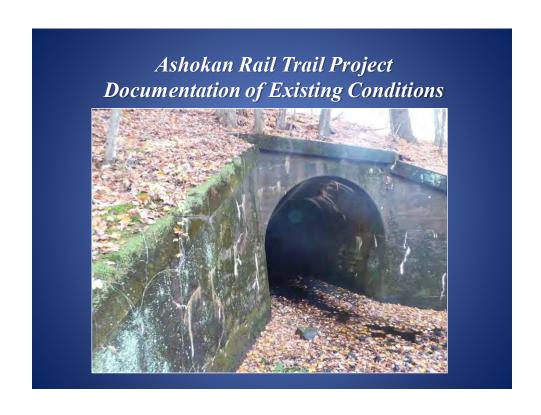




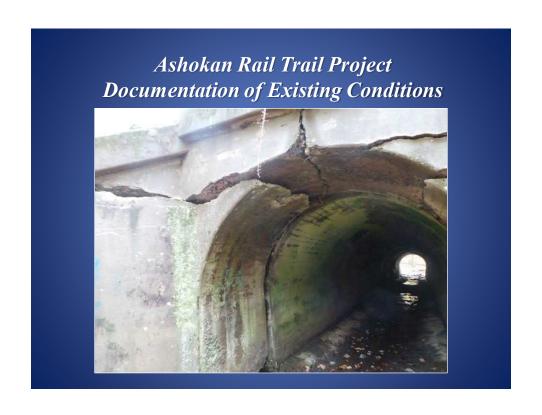


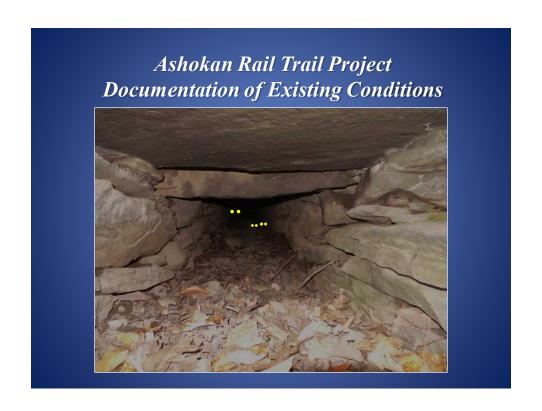


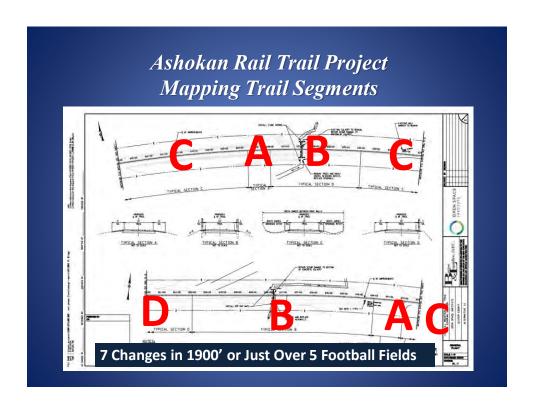






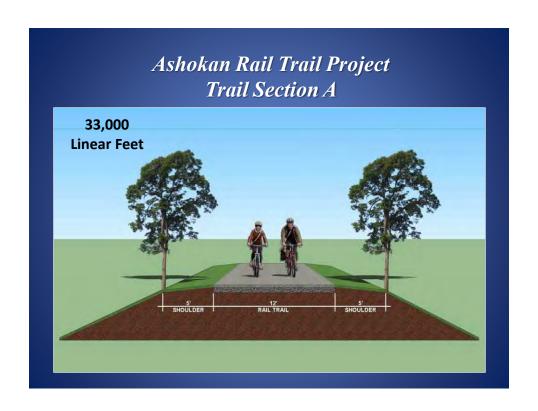








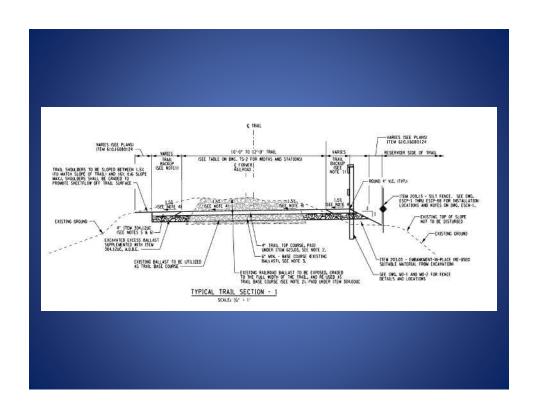


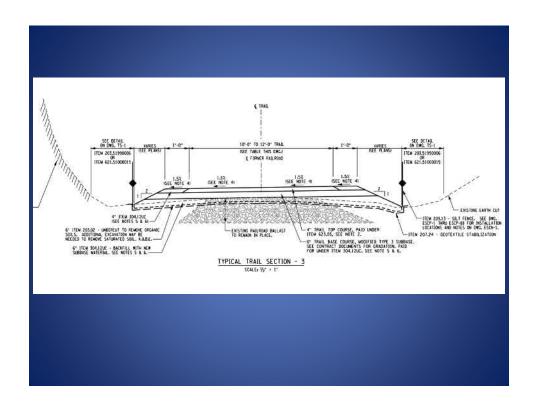


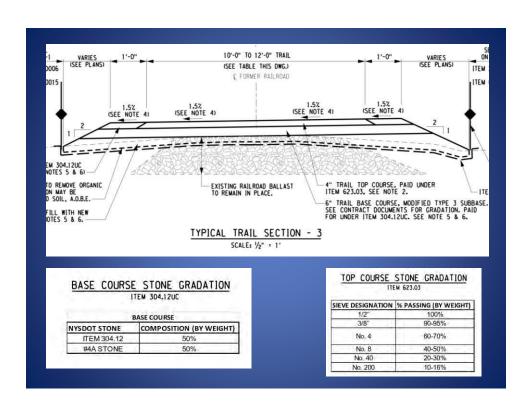


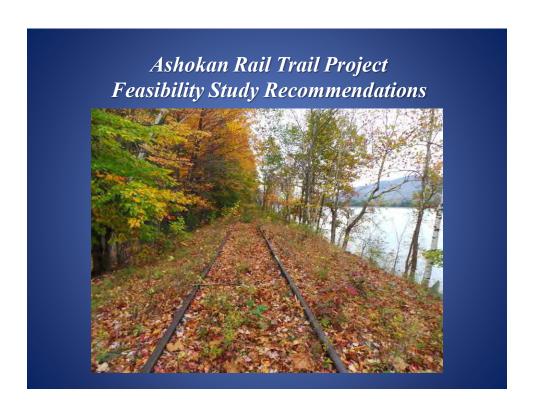






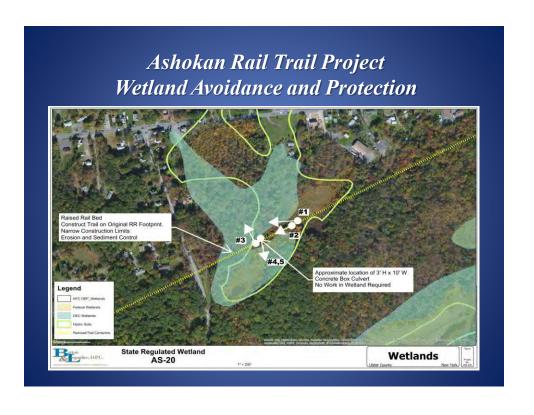


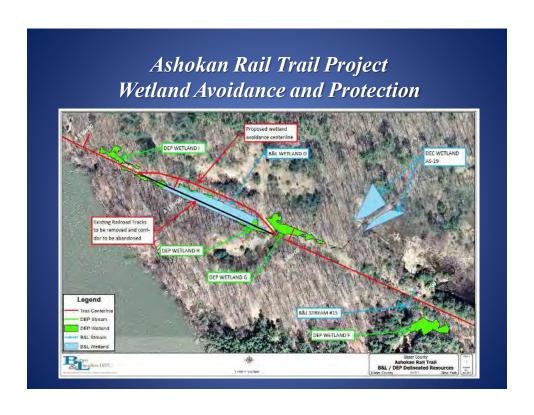


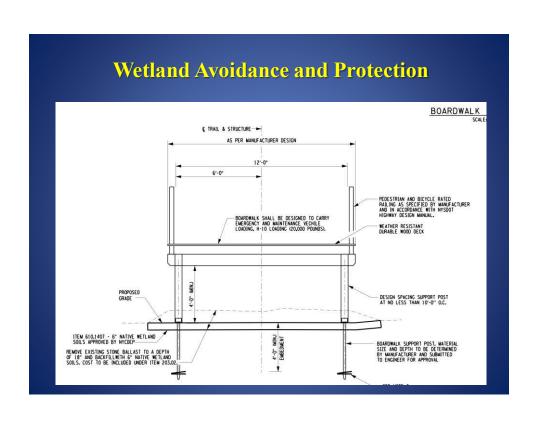










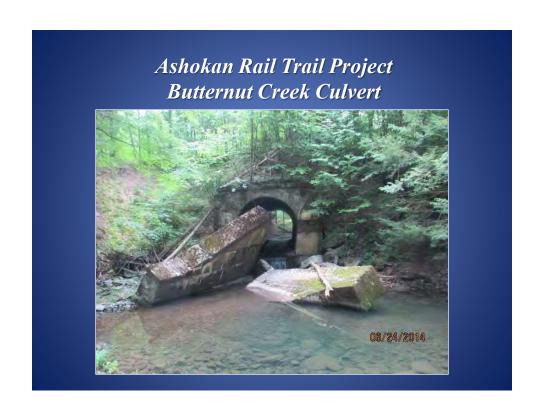


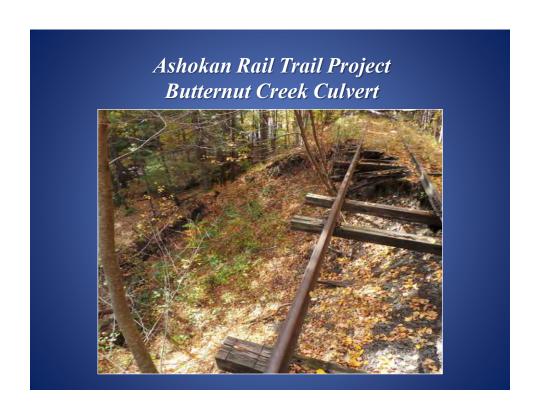
Ashokan Rail Trail Project Preliminary Design Considerations **❖** Fishing/ hunting access





- ***** Emergency access & response
- **❖** Security & maintenance
- ***** Construction staging and temporary access
- * Historical interpretation/ art
- ***** Protection of users and water supply/ signage
- ***** Connections to community facilities and nearby businesses
- * Accessibility for persons with disabilities & limited mobility
- **Project cost and timeline**



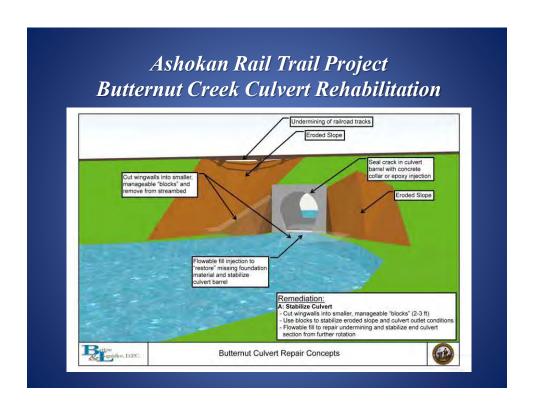


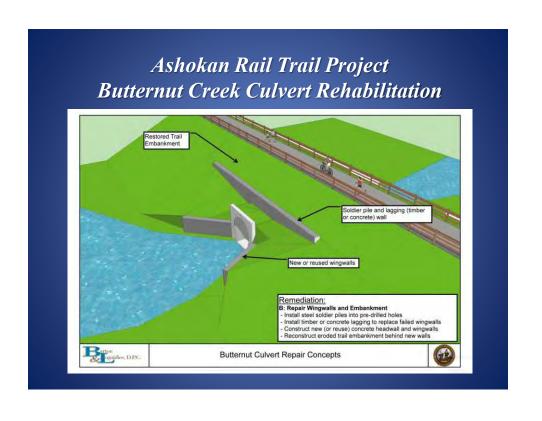
Ashokan Rail Trail Project Butternut Creek Culvert Alternatives

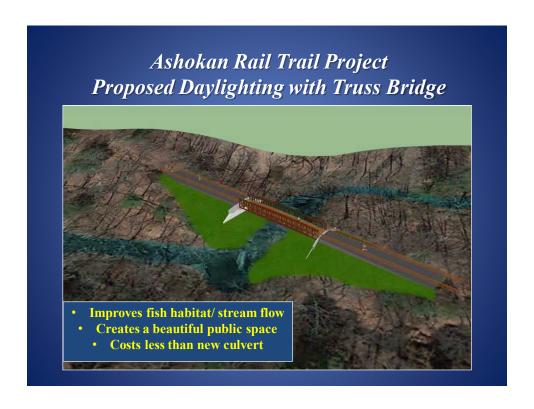
- **❖** Rehabilitation of Existing Culvert
- **❖** Replacement with New Culvert of Similar Type
- **❖ Daylight Butternut Creek- Truss Bridge Structure**
- **❖** Daylight Butternut Creek- Girder Span Structure

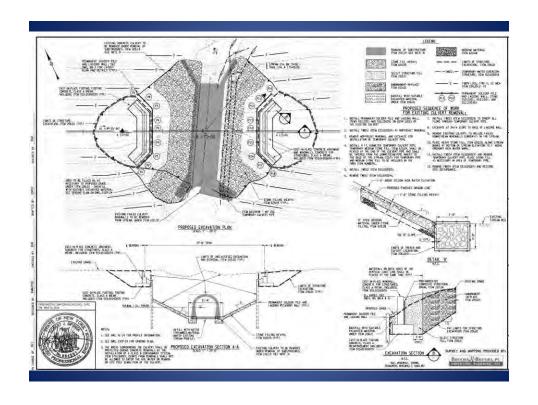


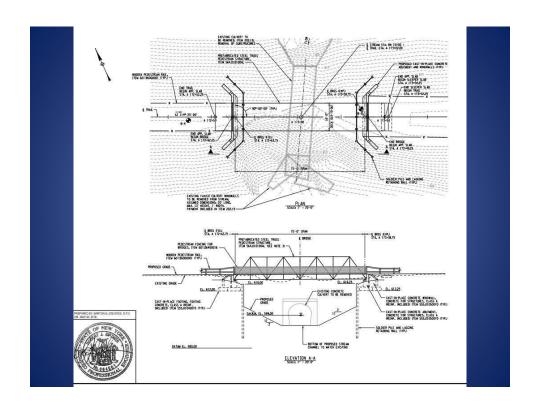




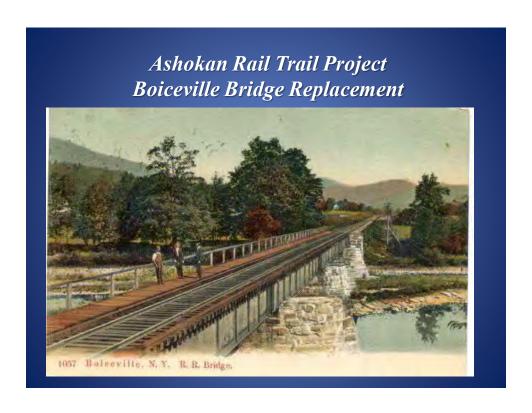


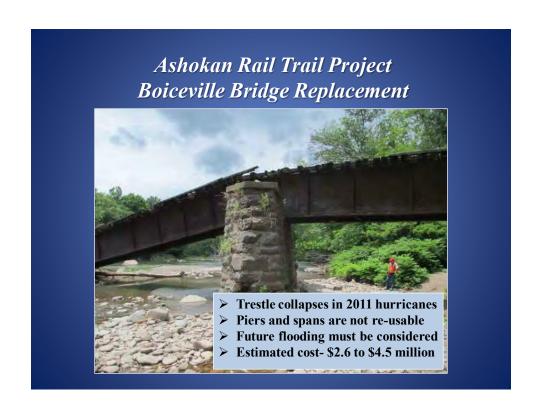


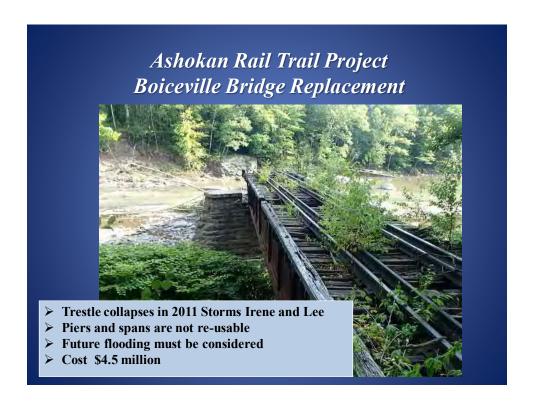






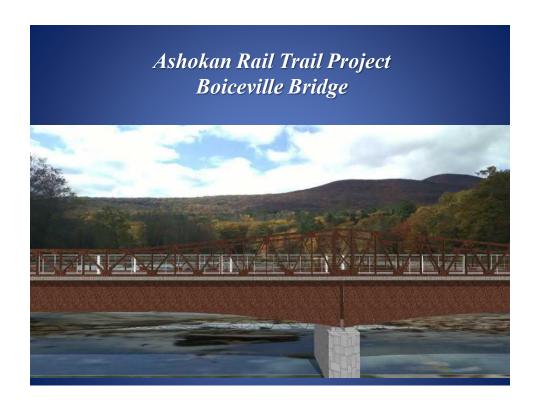
















Tree and Track Removal

To account for possible market escalation and de-escalation, adjustments will be made on price bid for Rail Removal and Disposal using the average published AMM price of the month that the work was completed in.

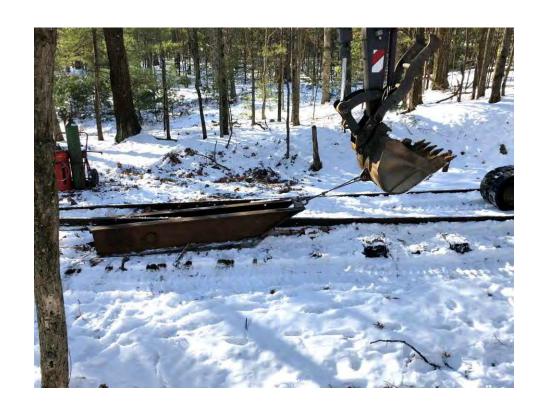
Adjustments to the Bid prices resulting from a fluctuation in the published price greater than 20% are not included as part of this contract and will need to be negotiated with the County.

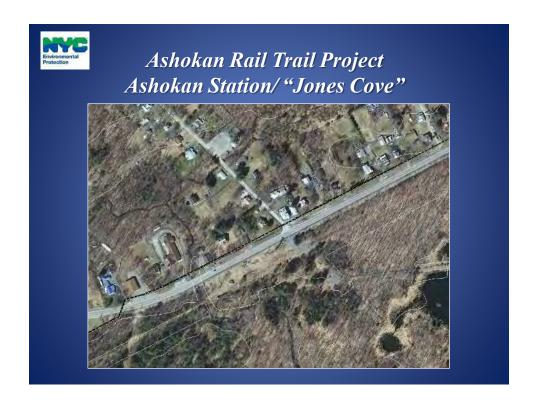
Average of Monthly AMM Published Price For "Random Rails"	Price Adjustment to Bid Price Per Linear Foot of Rail Removed and Disposed No change		
Initial Index Price - \$270/ton			
Price Drops 5%	+ \$0.20 Escalation to bid price		
Price Drops 10%	+ \$0.40 Escalation to bid price		
Price Drops 20%	+ \$0.80 Escalation to bid price		
Price Increases 5%	- \$0.10 De-Escalation to bid price		
Price Increases 10%	- \$0.30 De-Escalation to bid price		
Price Increases 20%	- \$0.65 De-Escalation to bid price		

<u>Note:</u> Percentage Changes that fall between the above figures will be adjusted based on a straight line interpolation.

PRICES EFFECTIVE WEDNESDAY, SEPTEMBER 13, 2017 CONSUMER BUYING PRICES					
	Alakama	Ark/Tenn Barder	Chicago	Cincinnati	
DATE REVIEWED:	09/11/17	09/11/17	09/08/17	00/11/17	
NO. 1 HEAVY MELT	280	275	265	295	
No. 2 heavy melf	270		250	-	
No. 1 bundles	385	185	370	165	
Na. 2 bundles *	-	232	220		
No. 1 busheling	390	390	365	368	
No. 1 industrial bundles			-	_	
Shredded auto scrap	310	305	293	310	
MACHINE SHOP TURNINGS	235	195	185	175	
Castiron bornings	_		203(a)		
Cut structural/plate, 2' max.			394	-	
Cutatructural/plate, 3 max.	320				
Cut structural plate, 5' max.	300	305	305	310	
Foundry steel, 2" max.			294		
Cupola cast	_		329		
CLEAN AUTO CAST		*****	364	*****	
Unatripped motor blocks			279		
Heavy breakable cast			274		
Drop broken machinery cast	-	-	339	-	
Rail crops, 2' max.			385		
Random calls			289(a)	-	
Steet car wheels.			370		
Rerolling rails			325		



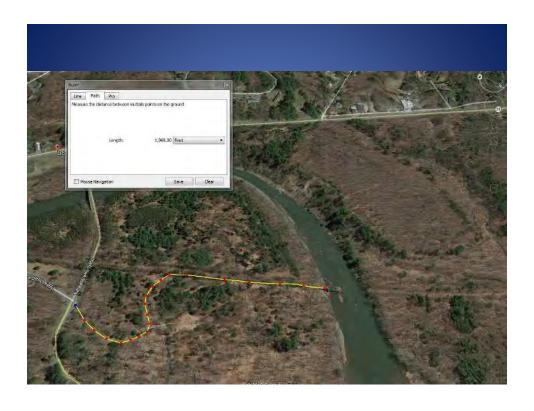












Ashokan Rail Trail Project Anticipated Project Timeline

✓ Begin Environmental Assessments

✓ Preliminary Structure Design

✓ Public Information Meeting

√ 90% Complete Plans

√ Final Permits Obtained

√ Final Plans, Specifications and Estimate May 2017

✓ Bidding and Letting

✓ Construction Begins

Construction Completion

June 2016

November 2016

December 2016

February 2017

April 2017

June-Sept 2017

December 2017

October 2019





PDH Questions

• True or False

Early Coordination with Regulating Agencies will help project progress and approvals

TRUE

PDH Questions

- Which of the following Best describes a TERMINAL Reservoir
 - a. Designated Swimming Area
 - b. Terminal where you can catch a Train
 - c. Where water from other locations is stored and then flows into the Aqueducts
 - d. It can be positive or negative like a battery

C

PDH Questions

• True or False

Careful Attention must be given to Construction Access and Realistic Means and Methods especially for projects in secluded areas.

TRUE

PDH Questions

How many Tons of Steel Rail where removed from the corridor?

- a. 200
- b. 867 5309
- c. 1 Kilo
- d. 18,700

d. - 18,700

PDH Questions

The Boiceville Bridge Length and Elevation were increased because.....

- a. Sailboat Clearance
- b. Clearance for Flying Fish
- c. To pass a 50 YR Storm
- d. Improve the View
- e. All of the Above

C

PDH Questions

The Butternut Cove Bridge will provide the Following:

- a. Restore the natural flow path
- b. Stream Daylighting
- c. Allow passage of fish and other amphibians upstream
- d. Reduction in Erosion
- e. All of the Above

Ε

PDH Questions

• True or False

Trail Base and Top materials must be carefully selected to be compatible with the Existing Environment and Intended use. Once size does not fit all.

TRUE

