

Meeting Agenda

- Introduction/Project Team
- Project Overview
- Existing Conditions
- Project Objectives
- Project Alternatives
- Project Schedule
- Right-of-Way
- Open Question/Answer and Discussion



Barton&Loguidice

Introduction/Project Team

Barton&Loguidice

2

- Owner/Project Sponsor Town of Cairo • Jason Watts, Town of Cairo Supervisor
- Engineering Consultant Barton & Loguidice, D.P.C. Byron Raych, P.E., Senior Managing Engineer
 Joseph Fremante, P.E., Project Engineer



Project Overview

Barton&Loguidice

- Project Location Polly's Rock Road over Kiskatom Brook, immediately east of intersection with Winter Clove Road
- Bridge replacement and hydraulic improvement project
- Right-Of-Way takings required around the bridge
- A temporary onsite detour will be used for traffic during construction
- Project Limits:
 - Total length of approximately 300 feet along Polly's Rock Road









Project Overview

Barton&Loguidice

- Statewide Transportation Improvement Project approved by NYSDOT and FHWA
 - 95% Federal/State funds
 - 5% Local Funds

Federal Funding Compliance Requirements Design approval document (DAD)

- Environmental impacts and compliance
- Public information meeting-stakeholder input











Existing Conditions

Barton&Loguidice

- Bridge Condition
 - General Recommendation 3 out of 7
 - Multiple Red Flags have been issued due to section loss along the steel girders
 - Bridge currently has a load posting of 10 tons
 - Due to deck deterioration, orange safety barrels have been placed in front of the rail along the bridge resulting in a narrow, one lane bridge

Polly's Rock Roadway Geometrics

- Non-standard features
 - Shoulder Width
 - Horizontal Cure Radius
 Superelevation / Cross Slope
 - Stopping sight distance



10

Project Objectives

Barton&Loguidice

- 1. Eliminate the structural deficiencies of the existing bridge by providing a replacement structure that has a 75 year service life.
- 2. Improve the hydraulic capacity of the bridge opening to meet NYSDOT hydraulic standards for the 50-year and 100-year floods.
- 3. Provide a cost-effective bridge replacement alternative considering long term maintenance costs.



Barton&Loguidice

11

Project Alternatives

- > Alternative 1 retains the existing bridge.
- Alternative 2 includes Bridge Rehabilitation and retains the existing road geometrics and hydraulic capacity.
- Alternative 1 and 2 do not meet the project objectives and therefore will not be considered further
- Alternative 3 includes Full Bridge Replacement, widening the roadway and improving the hydraulic capacity.
- Alternative 3 is the only feasible alternative and will be considered moving forward.



Project Alternatives

Alternative 3

- Replacement on a similar horizontal alignment with improved roadway geometrics
 - The shoulder widths and stopping sight distance will be improved to meet NYSDOT design standards
 - The horizontal curve radius and superelevation of the roadway will be improved within the limits of this project
- Replacement on a increased vertical alignment at the location of the bridge
 - Provides for hydraulic improvements at the bridge crossing to meet the 50-year and 100-year storm event Design Criteria

13

Barton&Loguidice









Project Schedule

Barton&Loguidice

- Design Approval: November 2024
- Right-of-Way: January 2025
- Final Design Complete: February 2025
- Bidding: March 2025
- Construction Begins: June 2025
- Construction Complete: November 2025



16



Right-of-Way

Barton&Loguidice

- Lands along both sides of the existing roadway
 are privately owned
- Acquisitions of small areas from private properties will be necessary for construction of the new bridge and roadway. Temporary easements are required for use of the temporary onsite detour











