



Taconic Shores Property Owners Associations, Inc.

Robinson Dam Update 6/1/2020

Robinson Pond Dam Repair – To-date the 2-foot vertical up stream side of the dam and the spillway have been completed. The boat used for this work was removed and the water level may be raised a total of 18 inches. It will remain 3-foot below the spillway to complete work on the downstream side. The water level will be maintained by the new sluice gates.

The work on the downstream side includes:

- Installation of a coffer dam and tributary curtain
- Power washing the entire down stream side of the dam
- Injection of epoxy joint filler in areas of water seepage
- Installing wire mesh
- Shotcrete, by section, the down stream side of the dam. Drying takes 7 days (Shotcrete is a process of spraying at high velocity concrete or mortar onto a surface.)

These tasks are projected to be completed by the end of June. 7 days after the last application of shotcrete, the water level may be raised to the spillway. This is projected to be the first or second week of July. These projections are ALL WEATHER PERMITTING AND SUBJECT TO CHANGE. The tasks below will occur after the shotcrete applications and are not water level dependent.

- Installation of a 10 valve
- Installation of new planking
- Adding electric motors on the gates

- Installation of new Flash Boards, etc.

Our contractor DeBrino Caulking Associates Inc. began this project on February 18th and has had at least 5 men working M-F every day since then. We selected a very good contractor, as they know what they are doing and even as “unforeseen” circumstances arose, the issues were documented, solutions provided, decisions made by the board and the project kept moving forward without losing a beat.

When the board presented this project to the community beginning in March of 2019, the timeline was to begin in the fall of 2019. The Dam Safety Division of the DEC delayed the project requesting modifications to the project. The DEC approvals expected in late summer did not occur until late October. Monies could not be raised through an assessment until the final project cost was verified based on the DEC approvals. Our membership’s response was outstanding, and monies collected in December and January allowed the project to begin in February. This is roughly four months later than the original timeline.

Once the Lake water was drawn down, additional cracks and holes from deteriorated concrete were discovered around the Sluice Gate Area. This additional work added roughly 10 days to the project. Additionally, a pier on the center spillway revealed deteriorated steel and concrete. These repairs added roughly 2 days to the project.

Our Dam Restoration project is most timely, given it has allowed us to repair issues that could not be seen from previous inspections before they became major issues that could have cost our community much more to fix.



Deteriorated concrete under North Wall



Steel Mesh installation on North Wall



Steel rebar installation on North Wall



Corroded steel removed from center pier



Deteriorated concrete under corroded steel on center pier



Deteriorated concrete under North Wall