CAZENOVIA CREEK, ICE CONTROL STRUCTURE (ICS) - WEST SENECA, NY

Small Flood Control Projects
Section 205 of the Flood Control Act of 1948, as amended
Construction General (Continuing Authorities Program)

Location
- Located on Cazenovia Creek in the Town of West Seneca, Erie County, New York.

Project Description
- The Ice Control Structure (ICS) is comprised of steel-jacketed concrete piers anchored into bedrock across Cazenovia Creek to act as an ice retention barrier to reduce downstream flooding.
- Federal funds used to complete the ICS project was $3,744K.
- Volume of log and debris jams and the speed at which it amasses was unanticipated; creating conditions of turbulent overflows that scours and erodes right bank riprap revetment, the access road, and the maintenance area. Severe damages occurred in December 2007 and March 2008
- Design deficiency was evaluated resulting in recommendation to extend existing berm further upstream of the ICS to control overflows and repair the riprap revetment, access road and maintenance area.

Importance
- NYSDEC requested USACE to investigate the ICS operation. USACE concluded that repairs are needed to the ICS area and that design improvements are equally necessary to mitigate future damages.

Consequences
- If repairs and design improvements are not implemented, erosion and degradation of the area will continue to worsen and will increasingly encumber the municipality's already compromised ability to maintain the ICS.
- If left unaddressed, ice flows will circumvent the ICS and severe downstream flooding will again take place.

Project Phase | Est. Fed. Cost of Phase | Federal Funding through FY15 | FY16 Requirement | FY16 Budget | FY17 Requirement | FY17 Budget
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Estimated total Federal cost to repair and improve the ICS. | $600K | $75K | $450K | $450K | $75K | NA

Project Sponsor/Customer
- New York State Department of Environmental Conservation (NYSDEC)

Congressional Interests
- Representative Chris Collins R-NY-27
- Senator Charles Schumer D-NY
- Senator Kirsten Gillibrand D-NY

Current Status
- The Project Cooperation Agreement (PCA) Amendment between USACE and project sponsor was finalized March 2015.
- Project was postponed until the Town of West Seneca provided their non-Federal cost share.
- Repair is expected to take place in 2016.

Issues
- None
Cazenovia Creek Ice Control System (ICS)

Excessive Debris Build-up

Eroded Revetment Downstream of ICS  Maintenance Road Compromised by Erosion

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