CAZENOVA 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 in 2006 was $3,744K.
- Volume of log and debris jams and the speed at which it amasses was unanticipated; creating conditions of turbulent overflows that scour and erodes right bank riprap revetment, the access road, and the maintenance area. Severe damages occurred in December 2007 and March 2008.
- Evaluated design resulting in an upgrade recommendation for more robust berming and easier access for debris removal.

Importance
- NYSDEC requested the Corps investigate encumbrances with the ICS operation. The Corps concluded that repairs and design improvements to the ICS site are equally necessary to mitigate future damages.

Consequences
- Not implementing repairs and improvements would have resulted in worsening erosion and degradation of the area and increasingly encumber the municipality's ability to maintain the ICS.
- If left unaddressed, ice flows would have circumvented the ICS and severe downstream flooding would again take place.

<table>
<thead>
<tr>
<th>Project Phase</th>
<th>Est. Fed. Cost of Phase</th>
<th>Federal Funding through FY16</th>
<th>FY17 Requirement</th>
<th>FY17 Budget</th>
<th>FY18 Requirement</th>
<th>FY18 Budget</th>
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</thead>
<tbody>
<tr>
<td>Estimated total Federal cost to repair and improve the ICS.</td>
<td>$420K</td>
<td>$420K</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
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Project Sponsor/Customer
- New York State Department of Environmental Conservation (NYSDEC)
- Town of West Seneca, Erie County, NY

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

Current Status
- Upgrade completed October 2016.
- Town of West Seneca performing minor ramp adjustment that makes it easier for their equipment to cross over.
- Project closeout scheduled on or before July 2017.

Issues
- None

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Cazenovia Creek Ice Control System: COMPLETED UPGRADE DETAIL

Cazenovia Creek Ice Control System: LOOKING UPSTREAM AT PILING DEBRIS RETENTION PRIOR TO UPGRADE