Smith Canal Gate
Flood Management Association
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Smith Canal Gate

Gate types considered
• Inflatable Gate
• Bottom Hinged Flap Gate
• Slide Gate
• Miter Gate
• Sector Gate

Gate Selection
• Costs
• Functionality and reliability of operation
• Simplicity of operation
• Need for underwater inspection and maintenance
• Avoidance of canal closure for maintenance
• Emergency drainage gate system
Smith Canal Gate

Elevation of Floodwall and Operable Gate
9.5 ft  200-year Water Surface Elevation
3.0 ft  Freeboard
1.0 ft  Hydraulic Uncertainty
1.4 ft  Sea Level Rise
14.9 ft  Top of Floodwall and Operable
Multi-Benefit Discussion

Implementing multi-beneficial project
• Limited opportunity in an urban area
• Small projects such as Smith Canal Gate ($37 million) little room for additions to project
• Future urban projects may have little to no opportunity for a connected multi-beneficial project
• Smith Canal Gate has been able to provide Enhanced Recreation Opportunities by providing fishing platforms

Multi-Benefit additions need to be determined early on in the development of the project.
• Stakeholder concurrence
• Funding concurrence
Multi-Benefit Discussion

While local participation in multi-benefit features is an important aspect to success, a program wide or State wide effort provides better opportunities for a larger impact along with more flexibility in funding large scale multi-benefit improvements.
Project Schedule

- Design completed summer 2017
- Construction completed late 2018