Flushing Creek
CSO LTCP Recommendation

TI-010*
Recreational Season Disinfection
at Influent Screens & Regulator Chamber DC5
(May 1st to October 31st)

Benefits
• Provides disinfection of 379 MG/Y and results in:
  ▪ Annual Fecal Reduction of 15% (449 x 10^13 total organisms)
  ▪ Annual Entero Reduction of 25% (119 x 10^13 total organisms)
• Provides disinfection of tank bypass flows
• Minimizes footprint; disinfection equipment can be installed at existing site

Challenges
• May require control structure, such as a gate, at the end of outfall to provide sufficient disinfection contact time
• Potential residual chlorine issues

Estimated Construction Cost = $2 Million
Operation & Maintenance = $350,000 per Year

TI-011*
Recreational Season Disinfection
Downstream of Regulator 9
(May 1st to October 31st)

Benefits
• Provides disinfection of 206 MG/Y and results in:
  ▪ Annual Fecal Reduction of 36% (1,078 x 10^13 total organisms)
  ▪ Annual Entero Reduction of 25% (119 x 10^13 total organisms)
• Maximizes use of existing infrastructure
• Utilizes gravity, no effluent pumping
• Cost effective; no retention tank is needed

Challenges
• May require control structure, such as a gate, at the end of outfall to provide sufficient disinfection contact time
• Potential residual chlorine issues
• May require site acquisition

Estimated Construction Cost = $5 Million
Operation & Maintenance = $300,000 per Year

✓ Continue to invest in water quality improvements through the Green Infrastructure Program
✓ Initiate post-construction compliance monitoring
✓ Establish a wet-weather advisory during the recreational season

*Note: Provisions for floatables control to be evaluated during design for both TI-010 & TI-011