

SPEEDWAY CSO LONG TERM CONTROL PLAN IMPLEMENTATION

Summary

- The proposed project is for the implementation of the selected plan in accordance with the Town of Speedway Combined Sewer Overflow (CSO) Long Term Control Plan (LTCP) dated September 10, 2010 and to meet the requirements of the Town's NPDES Permit No. IN0032972 and the criteria as outlined in IDEM's CSO Treatment Facilities Non-Rule Policy Document.
- The separation of the Combined Sewer Area will include several green components. The following components will be incorporated into the final design.
 - Installation of pervious pavement.
 - Installation of interlocking concrete pavers.
 - Installation of perforated small diameter infiltration lines.
 - Construction of Bio Swales.
 - Construction of rain garden and pond areas.
- Estimated Loan amount: \$19,550,000 (all projects)
- **Total Green Infrastructure amount is \$1,652,664 (\$1,484,149 for construction based on actual bid pricing and \$168,515 for design for this portion of this project.)** The green portion represents 17.95% of the loan amount for this portion of the project.

Project Background

- The Implementation of CSO LTCP Project includes the following components:
 - The Construction of new storm sewers in the existing Combined Sewer Area and conversion of the existing sewers to sanitary.
 - Construction of storm water Best Management Practice Treatment units at a new outfall on Eagle Creek.
 - Removal of all storm flow from industrial areas which currently discharge into the existing 72-inch interceptor north of the WWTP.
 - Construction of control devices at the WWTP to utilize the existing 72 inch interceptor for in-line storage during small rain events.
 - Construction of approximately 1.0 million gallons of storage downstream of the existing CSO screen with return pumping systems, which will be further evaluated following the post-construction monitoring period for the this project.
 - Install new 15 MGD capacity UV disinfection system to replace the chlorination/dechlorination process.
 - Upgrade and replace Motor Control Centers.

- The portion of the project that addresses the separation in the Combined Sewer Area includes elements which are considered to be green infrastructure as defined by Attachment 2 of the EPA Guidance for Determining Project Eligibility, 2010 Clean Water and Drinking Water State Revolving Fund 20% Green Project Reserve. The reference is to the CWSRF Technical Guidance paragraph 1.2.

Green Infrastructure Discussion

The identified Green Infrastructure components are listed below along with the paragraph references to EPA's Guidance document.

- Installation of pervious pavement – Paragraph 1.2-6
- Installation of interlocking concrete pavers – Paragraph 1.2-6
- Installation of perforated small diameter infiltration lines - Paragraph 1.2-6
- Construction of Bio Swales - Paragraph 1.2-6
- Construction of rain garden and pond areas - Paragraph 1.2-6

All of these items are considered categorical projects.

Conclusion

A portion of the CSO LTCP Implementation project is considered green infrastructure which is categorically considered eligible for the Green Project Reserve.