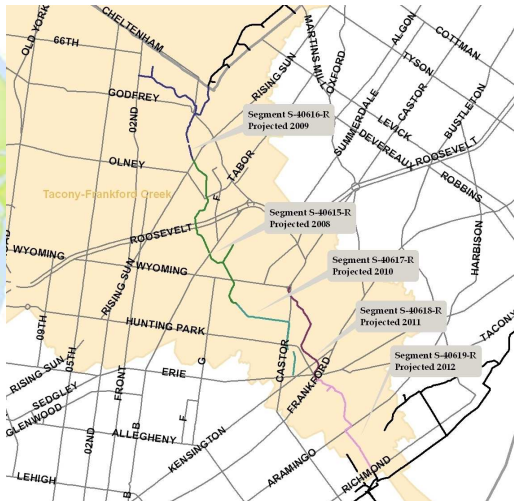


Interceptor Relining in the Tacony-Frankford Watershed

Project

Tacony-Frankford Watershed



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Status: Design

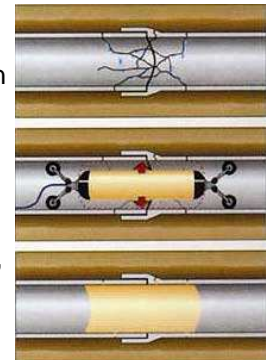
Partners:

Fairmount Park Commission (FPC)

Philadelphia Water Department

Interceptor Relining in the Tacony-Frankford Watershed...

Planning and design is underway for the relining of the entire length of interceptor in the Tacony-Frankford Watershed within the city of Philadelphia. Relining the sewer pipe offers structural enhancement, seals leaks, and retards tree root penetration. Eliminating leaks will help improve water quality by preventing sewage discharge. During the relining process the sewer is inspected, cleaned, and a liner, whose gage increases with increasing pipe diameter, is placed inside the pipe. Each manhole is also relined and new bolt-down covers installed. For planning purposes, the interceptor was split into 5 sections with one section relined per year between 2008 and 2012.



Benefits:

- Decrease pollutant loads to surface waters by decreasing exfiltration
- Decrease amount of flow in sewer system by decreasing inflow and infiltration
- Rehabilitation of sewers will increase the efficiency of the sewer system
- Helps eliminate sources of sewage discharge during dry weather
- Interceptor capacity increases and coefficient of friction is less, which will improve flow characteristics
- Quicker and more cost effective method of pipe repair since no digging is required



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