



COMBINED SEWER OVERFLOW PROJECT FACT SHEET

Bedford Street Sewer Separation Project

Project Description:

In 2013, the City continued their efforts to reduce combined sewer overflows (CSO) into Casco Bay with the development of the Tier III Long Term Control Plan (LTCP). The Long Term Control Plan is an EPA mandated program which requires the City to reduce CSO activity across the City over a 15 year program.

As part of the LTCP, the City is required to reduce CSO activity in the Back Cove West combined sewer-shed area. This sewer-shed includes CSO locations along Baxter Blvd. numbered 8-16, all located between Preble Street Extension and a pump station at 600 Baxter Blvd. The combined sewer-shed contributes approximately 35 million gallons of CSO discharge into Back Cove during an average year. The City is required by the EPA to reduce this discharge volume by approximately 90%. The City will accomplish this by installing a 3.5 million gallon storage conduit within Baxter Blvd. to store combined sewer flows during rain events and send the captured combined sewer water to the East End Waste Water Treatment Plant once the plant has regained the capacity to treat the water. The City will also reduce CSO activity by implementing targeted sewer separation projects throughout the combined sewer-shed. Sewer separation projects are intended to remove storm water flows that enter a combined sewer during rain events. The Bedford Street project is a targeted sewer separation project which targets to reduce CSO activity at CSO location # 16 and increase the performance of the future storage conduit. The Existing CSO # 16 discharges near the intersection of Preble Street Extension and Baxter Blvd.

To accomplish these goals the project will include the installation of approximately 6,225 LF of new storm drain ranging from 10"-60" diameter pipes. The project will also include approximately 2,500 LF of new sanitary sewer within Bedford Street, Durham Street and Belmeade Road to replace 1920's era sanitary sewer pipes.

Project:	Bedford Street Sewer Separation Project
Project Owner:	City of Portland
Project Location:	Bedford Street (Forest to Brighton) Forest Avenue (Deerfield Road to Bedford Street) Durham Street (Falmouth to Bedford) Baxter Blvd. (Preble Street Extension to Forest Avenue) Belmeade Road (Forest Avenue to Baxter Blvd.) Deerfield Road (Preble Street Ext. to Forest Avenue)
Sewer-shed:	Back Cove West Area
CSO's Impacted:	016 Bedford @ Forest
Year Contracted:	2018
Project Estimated Cost:	\$5,124,000
Bid Date:	March 15, 2018
Prime Consultant:	City - Sebago Technics
Prime Contractor:	Shaw Brothers Construction, Inc.
<p>The project will remove approximately 54 acres of watershed area from the combined sewer upon completion.</p> <p>The project will construct two new storm drain outfalls. The first outfall will be adjacent to the existing CSO #16 outfall near the Preble Street Extension and Baxter Blvd. intersection. The second outfall will be installed at the end of Belmeade Road across Baxter Blvd.</p> <p>The project is being designed to accommodate future storm water separation within the USM roundabout project area in 2019.</p> <p>The project will implement 6 green infrastructure rain garden areas to treat and remove pollutants from the storm water before being discharged into Back Cove.</p> <p>Tide gate valves will be installed at the end of the new storm drain system to prevent tide water from entering the system.</p> <p>The Portland Water District will also be replacing their water mains within the project areas.</p> <p>The project has commenced as of April 2018 and is scheduled to be substantially complete in June 2019.</p>	