

BMP-10

Outside Community Metering

Troy, NY

Project Description:

Monitoring of flows from outside communities to track I/I impacts on interceptor capacities; include up to 8 connections to Troy system. SCADA connections included to Troy and RCSD for automated reporting of metered flows.

Purpose:

Provides supporting data to encourage outside communities to address I/I issues; while tracking available capacity for future development as well as potential billing purposes.

Contact Information:

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Consent Order Milestones	Date Milestone Met
Completed Plans & Specifications: 10/1/17	9/29/17
Construction Start Date: 4/1/18	3/29/18
Construction Completion Date: 12/15/18 <i>(Forbearance granted until 6/30/19)</i>	6/21/2019
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SPDES Permit #	NY-009 9309
LTCP Projected Project Cost (Millions)	\$2.07
Total Construction Cost (minus in-kind)	TBD
Owned By	City of Troy
Affected Waterbodies	Hudson River
Grant Funding or other sources	None
Annual Volume Captured (Mgal)	N/A
Annual Percent CSO Reduction (%) (Pool-Wide)	N/A

Project Status:

9/15/17: Plan and spec submission is on schedule.

1/11/17: Plan and specs were submitted to NYSDEC on September 29, 2017. DEC approved the plan and spec on 11/10/17. The City is preparing to bid the project.

9/10/18: The project was awarded to the contractor, Luizzi Bros. The project is on schedule. Structure delivery is anticipated the week of the September 10th. Installation will occur in September and October.

2/9/18: Four of the five metering structures were installed by the Order deadline. As part of the design, CDM Smith had MJ Engineering and Land Surveying, P.C. complete a utility survey of the proposed meter vault location on Hoosick Street. Utilities (primarily gas, water and storm sewers) were identified within proximity of the proposed meter vault; however there appeared to be sufficient clearance to install the meter structure in this preferred location. The location included in the design was outside the limits of Hoosick Street travel lanes. When Dig Safe was called to mark out the meter vault locations on September 19, 2018, the mark-outs identified two 6-inch gas lines and a Verizon duct bank installed in the same path as the City's sewer. The City orally communicated their concern for a potential delay at the October 11th quarterly meeting with DEC. At this time, it was not certain a delay would occur, and the City communicated that if, after further evaluation, project modifications would be needed, and a delay was eminent, that they would be requesting a modification to the Order deadline due to the unforeseen circumstances and expressed that the project's potential delay would have no impact on water quality on the receiving water. On October 19, 2018 the city of Troy had the contractor hydro excavate to determine exact locations of the gas mains and duct bank. The hydro excavation proved that the utilities are in direct conflict with the proposed metering vault. The City recognizing that the need to relocate the structure underneath the street's travel lanes would require lengthy coordination with NYSDOT for winter construction that the Agency rarely permits. The City submitted a modification request for the completion deadline for this single metering structure to the Department on October 24, 2018. The City requested additional time to relocate the structure, coordinate with NYSDOT and mobilize the contractor for a new target completion and operational start-up date of June 30, 2019. The Department declined the request to modify the deadline but did grant forbearance in consideration of the City meeting the June 30th deadline. The Department requested revised plan and spec from the City for the Hoosick St. metering structure. The revised plan and spec were submitted to DEC on January 3, 2019 and approved by the Department on February 8, 2019. The city has submitted for a permit from NYSDOT for the work and is awaiting a response. Once approved and weather permitting the city and contractor will move forward with completion of the last meter installation.

4/25/19: Metering will be transferred to the RCSD. Flow from the metering locations will be monitored and totalized in a control panel at the Troy WTP. Monthly reports will be generated summarizing the daily minimum, average and maximum flows in addition to monthly totals and transmitted to RCSD.

6/26/19: The project is complete and will be certified.