

Town of East Greenbush
Capital Improvement Projects
2015

Project Status Report and Meeting Agenda Items
From: H. V. LaBarba, PE
Consultant to the Authority
October 21, 2015
Meeting

I. INFILTRATION AND INFLOW REDUCTION PROJECTS

The projects under this category include sewer lining and I / I evaluation.

A. Sewer Lining: Albany Country Estates

Item 1. On October 15, 2015 bids were received for the above sewer lining project. Three bids were received, and nine contractors picked up bid documents. Bid documents requested bids for about 7,900 feet of sanitary sewer that was found to be in need of lining. Work will included lining, removal of protruding laterals, and several point repairs. .

The three bidders and bids received were as follows:

Kenyon Pipeline	\$265,928
Insituform.....	\$352,828.50
Arold Construction	\$425,250

We have reviewed the bids and bidders qualifications, several references for Kenyon Pipeline were checked and we have no objection to award the work to them. Once approved by the Authority we will send a Notice of Award and request a work schedule.

Item 2. The sanitary sewer system and treatment plant in the Town of East Greenbush recently were recently impacted by a heavy storm on September 30th where rainfall up to 5-6 inches was experienced. Beside overflow at the treatment plant, only one pump station had a similar problem, that being the Hideaway station off Rt.4. The Authority in 2014 installed a new station with greater pumping capacity and flood protection. Fortunately, the station did not flood but it could not handle the high amounts of inflow as a result of the rain event.

The station is located at a low elevation off Rt4 and receives flow from the sewer system located along and off Rt 4 from the station up to the roundabout at Couse Corners, and up to the I-90 bridge. In this system there are two pump stations which were also rehabilitated; Luther Road and the Commons stations. There was no reported overflow at these stations.

As a result the Town, with regard to overflows notified DEC. The Town has been issued a new consent order for the treatment plant, but DEC just issued a letter (attached to this report, Att 1) requesting that the Town look into the sewer system tributary to the Hideaway station in an effort to identify any obvious problems, which lead to high inflow during the storm. As pointed out in the DEC letter, a number of issues can contribute to inflows during high rainfall periods. As a result DEC would like the Town to submit a

plan to further quantify the cause of the overflow. Subsequently the Town has asked us if we can proceed with some the investigation needed to evaluate or help identify the causes. After meeting with the Town a brief outline listing several tasks, which will be included in a plan, was prepared (copy attached Att 2). Most of the investigation and field work will be done by Town DPW forces. One task that can be addressed by the Authority using sewer bond funds as we have done prior to sewer lining in problem sections of sanitary sewers. The objective is to perform internal TV inspections and evaluation reports on the findings. This may help identify major sewer problems, like cracked and broken pipe, obvious inflow sources and major leaks.

The sewer system tributary to this station was not included in any of our previous I/I reduction projects, such as sewer lining, TV inspection or sump pump removal. This was reported to the DEC, hence, their letter of inquiry and request for a future plan.

At this time we not recommending sewer lining but if major problems are identified a plan can be prepared showing the problems which could be rectified by lining, point repairs and associated cost estimates. The sewer system in question is not extensive, see map attached. Att 3.

Actions to be taken:

1. **Recommend Contract Award:** Kenyon Pipeline Inspection LLC of Queensbury NY for the amount of \$265,928.00.
2. **Recommend HV LaBarba to** send out Notice of Award to same.
3. **Recommend Payment to** HV LaBarba for the amount of \$1,955.00 for work related to the bidding and construction administration for Contract 15.1.
4. **Recommend that:** The authority proceed by authorizing HV LaBarba to prepare scope of work for sewer evaluation in the Couse system where a pump station overflow occurred, showing sections of sewers to be inspected via a map/plan and provide cost estimates for same, thus allowing the Authority to budget available funds to cover possible needed work.

II. PUMP STATION PROJECTS

1. No report on this topic as this time.

Submitted by:

HVL _____ October 21, 2015

Three (3) attachments