

Stormwater Authority Meeting

February 20, 2020 @ 8am

In Attendance

Authority Members - Rich Guerin, Zach Williard, Melissa Howard & Paul Bruder (Carl Schultz Absent)

Staff/Professionals - Sam Robbins (Borough), Mike Hess and Bruce Hulshizer (HRG)

1. HRG provided a summary of the 33rd/34th Street CCTV inspection
 - Inlets are crumbling and require replacement.
 - Pipes are structurally sound but nearing the end of their useful life. Pipes would be good candidate's for pipe lining.
 - Recommend replacing all inlets. Perform hydraulic analysis to identify undersized pipes. Replace undersized pipes and line pipes that are not undersized.

2. HRG provided responses to each of the 5 questions from the previous Authority meeting as follows:
 - **PA and Chestnut Street: Is there flooding at this location and is the pipe is complete and total disrepair?**
 - No known history of flooding at this location
 - Reviewed televised inspection footage from Spring 2016. Overall condition is fair. 5-10 year lifespan estimated, but footage is 4 years old.
 - In the metal culverts
 - Invert corrosion throughout (through galvanized layer). Some may be candidate for lining
 - Some pipe partially collapsed (egg shape). Would not be candidates for lining
 - In the concrete box sections
 - Culvert bottom displays cracking throughout
 - Two pipe crossings through culvert. Appear to be water main or sewer lateral
 - Some areas of culvert ceiling collapse
 - Multiple cracks/breaks with root intrusion

 - **S. 24th Street: Where is the pipe going once it is extended? Where will the water run? Is the pipe in good shape?**
 - Pipe would flow to culvert in Deanhurst. Appears to be possible based on GIS elevations. Pipe condition unknown.

- **Could the Borough utilize Penn Vest funds for the televising of the whole Borough?**
 - PENNVEST will not fund televising the whole Borough. Sometimes we work in televising of specific project area (as part of the design scope).

- **Of the options detailed regarding televising, there is a middle option that is discussed. Is the cheaper option going to give the authority a comprehensive view of the system? The authority is interested in gathering this data and having it to help them better plan infrastructure upgrades. Will a cheaper option provide them a good return on their investment?**
 - This approach would not provide a comprehensive view of the system. It would televise all the structures and the first 20-40 feet of pipe.
 - Information gained would be applied to Borough GIS system
 - Estimated Cost is about \$60,000 plus use of public works employees and equipment (backhoe) for an 8-10 week period.
 - Total project duration estimated 3 months from NTP

- **How long will it take to televise the whole Borough?**
 - Televising will need to be re-bid (public bid) because the cost is too high to be a change order on the existing contract.
 - Estimate a 6 month time frame
 - 2 months for re-bid
 - 4 months for performance
 - Could accelerate the dates in the bid, but it would escalate costs.
 - Recommend incorporating findings of televising program into the Borough GIS system
 - Televising would allow the Authority to have critical information regarding the entire Borough system so that moving forward it can focus on most impactful and urgent stormwater projects.

3. A period of discussion ensued regarding the grouping of projects to be funded by an initial loan. It was concluded that the Russel Road project should be included in this round of projects and the S. 24th Street project would be pushed back. The initial group of projects will include:

- Cleaning &TV entire storm sewer system (Critical for future planning)
- Siebert Park Stream Restoration (PRP requirement)
- North 21st and Walnut Street (Flooding & Safety)
- Russel Road Culvert and Drainage Repair (Flooding & Safety)
- Inlet replacement in 33rd and 34th Streets (Flooding & Safety)

These projects are estimated to cost approximately \$1,430,000. The Borough will seek bank financing in the future to fund projects (will be part of a future meeting for

discussion). Pennvest financing was considered but will take significantly longer to attain and would not be offered to finance the televising project.

4. For the next Authority meeting, HRG will prepare
 - A schedule for the projects listed above, assuming funding from a commercial lending institution.
 - A proposal to perform field-survey for the Siebert Park stream restoration site
 - A proposal to serve as the Stormwater Authority's appointed engineer
 - A proposal to publicly bid the borough wide storm sewer CCTV project. Proposal will include incorporating the video footage into the GIS system, review and recommendations for each asset.

6. A period of discussion ensued regarding the Authority and whether we should be doing anything more than what we are currently doing since the Authority is meeting regularly. Pat to reach out to Lee Stinnet to follow up on this question.

7. HRG to prepare for design/bidding/etc. of the following project:
 - Willow Park Project Final Phase - (DEP Requirement / Flooding)- This project includes the 25th By-Pass piping, upsizing of pipe under the plaza and stream channel north of S. 26th Street.
 - This project is expected to cost approximately \$200,000 and will be paid out of Stormwater reserves

8. The next meeting date was set for March 19th at 8AM.