

Date: June 22, 2015

To: Roger Huff, PE

From: Timothy Drews, PE

Re: South Haven SAW Grant – Asset Management Plan Status Report

The following is intended to provide you with a project status report:

Accomplishments to Date

1. Inventory
 - A list of “missing” manholes was received from the city. We have completed shots on what could be found. There are approximately 100 manholes that are buried and/or missing and could not be located.
2. Condition Assessment
 - MACP (manhole) inspections have continued. We have inspected approximately 875 manholes to-date in the areas highlighted on the attached map. This work continues with an emphasis on storm manholes first.
 - CCTV work – A request for quotes was forwarded to Plummer's for the CCTV pilot program, and cleaning the main lift station wet well in conjunction with pump repairs. The quote was received today and is attached for your information.
3. Level of Service
 - Not yet started
4. Criticality of Assets
 - Not yet started
5. O&M Strategies
 - Burton and Associates is under contract and have started analysis related to the rate structures.
6. Other Costs
 - Asset Management software presentations were held with CityWorks and Cartegraph in April. Purchase of the software is pending a final choice.

Upcoming Work

- SAW Progress meeting is scheduled for June 23rd at 10:30 a.m. at DPW
- Gathering remaining manhole inventory shots – determine priorities
- Continue MACP inspections.
- CCTV pilot program with Plummer's, plus develop an RFP for the comprehensive CCTV work (with sewer cleaning option by the city)
- Initiate discussions regarding level of service and criticality of assets.

Scope Changes

- Eliminate Storm Sewer System Metering and Modeling and re-allocate those funds to other Asset Management efforts.

Budget Status

	Budget	Invoiced to Date	Percent Complete
Overall Asset Management Budget	\$1,115,264	\$181,701.86	16.3%
Abonmarche Tasks	\$555,197	\$181,701.86	32.7%
CCTV Work	\$299,397	\$0	0%
Other Sub-consultants	\$38,000	\$0	0%
Software/hardware/training	\$38,000	\$0	0%
City Admin Tasks	\$35,120		
City Pre-cleaning Sewers	\$150,000		

Note: Overall city match for the SAW grant is \$300,332 (per grant award – Cindy Clendenon email dated 05/22/15)

Schedule Status

The projected completion date for the Asset Management plan is anticipated by May 1, 2016

Information Needed from City

- List of projects completed in the past 10-15 years
- Priority list of areas to concentrate CCTV work

Other Issues

- Separate progress reports will be submitted for SAW design related work

cc: Brian Dissette, City of South Haven
Larry Halberstadt, City of South Haven
Cindy Clendenon, MDEQ
Christopher Cook, Abonmarche
Tony McGhee, Abonmarche





City of South Haven
Cleaning and Televising Sewer Pipelines - SAW Grant Pilot Program

Plummer's Environmental Services

Item	Quantity	Unit	Unit Price	Amount	
Sanitary Sewer					
Pre-cleaning, sanitary, 12" or smaller	5083	6050	Ft	\$1.52	\$7,726.16
Pre-cleaning, sanitary, greater than 12", less than or equal to 18"	0	Ft			
Pre-cleaning, sanitary, greater than 18", less than or equal to 30"	0	Ft			
Pre-cleaning, sanitary, greater than 30", less than or equal to 36"	0	Ft			
Heavy cleaning, sanitary, 12" or smaller	Sheet 3, MH 1257-554 Easment	967	Ft	\$6.62	\$6,401.54
Heavy cleaning, sanitary, greater than 12", less than or equal to 18"	0	Ft			
Heavy cleaning, sanitary, greater than 18", less than or equal to 30"	0	Ft			
Heavy cleaning, sanitary, greater than 30", less than or equal to 36"	0	Ft			
Pipe inspection, sanitary, 12" or smaller	6050	Ft	\$0.90	\$5,445.00	
Pipe inspection, sanitary, greater than 12", less than or equal to 18"	0	Ft			
Pipe inspection, sanitary, greater than 18", less than or equal to 30"	0	Ft			
Pipe inspection, sanitary, greater than 30", less than or equal to 36"	0	Ft			
Storm Sewer					
Pre-cleaning, storm, 12" or smaller	1204	Ft	\$2.18	\$2,624.72	
Pre-cleaning, storm, greater than 12", less than or equal to 18"	2368	Ft	\$3.17	\$7,506.56	
Pre-cleaning, storm, greater than 18", less than or equal to 30"	1582	Ft	\$3.74	\$5,916.68	
Pre-cleaning, storm, greater than 30", less than or equal to 48"	0	Ft			
Heavy cleaning, storm, 12" or smaller	0	Ft			
Heavy cleaning, storm, greater than 12", less than or equal to 18"	0	Ft			
Heavy cleaning, storm, greater than 18", less than or equal to 30"	0	Ft			
Heavy cleaning, storm, greater than 30", less than or equal to 48"	0	Ft			
Pipe inspection, storm, 12" or smaller	1204	Ft	\$1.00	\$1,204.00	
Pipe inspection, storm, greater than 12", less than or equal to 18"	2368	Ft	\$1.00	\$2,368.00	
Pipe inspection, storm, greater than 18", less than or equal to 30"	1582	Ft	\$1.00	\$1,582.00	
Pipe inspection, storm, greater than 30", less than or equal to 48"	0	Ft			
Pipe inspection, re-setup	6	Ea	\$145.00	\$870.00	
Cleaning main lift station wet well	Mobilization	1	per day	\$575.00	
	Onsite Cleaning		per hour	\$510.00	
	Disposal		per Gal	\$0.45	

- Prices include mobilization
- Pre-cleaning sanitary and storm pipes shall be defined as light cleaning.
- Heavy cleaning shall only be required if grease, roots, etc. are not able to be removed in the pre-cleaning operation. The engineer shall be informed before commencing heavy cleaning work.
- "Pipe inspection, re-setup" quantity is an estimate to establish a unit price. Actual quantity may vary based on conditions in the field
- City of South Haven reserves the right to self perform sewer pre-cleaning and cancel that work from this contract without affecting other unit prices