

**VILLAGE OF GERMANTOWN
N112 W17001 MEQUON ROAD
GERMANTOWN, WI 53022**

MEETING: PUBLIC WORKS & HIGHWAY COMMITTEE

DATE AND TIME: WEDNESDAY, June 5th, 2019 *6:00 P.M.*****

LOCATION: Germantown Village Hall Board Room

- I. **CALL TO ORDER:** This meeting has been given public notice in accordance with Wisconsin Statutes, Section 19.83 and 19.84 in such form that will apprise the general public and news media of subject matter that is intended for consideration and action.
- II. **ROLL CALL:** Chairman Kaminski, Trustees Hughes, Warren and Zabel
- III. **APPROVAL OF MINUTES:** Not Available
- IV. **PUBLIC COMMENT:** Please be advised per State Statute Section 19.84(2), information will be received from the public. It is the policy of this municipality that there be a three minute time period, per person, with time extensions per the Chief Presiding Officer's discretion; be further advised that there may be limited discussion on the information received, however, NO ACTION will be taken under public comments.
- V. **UNFINISHED BUSINESS:**
 - A. EAB-Response to Common Questions, Situations, & Ordinance Enforcement-Discussion/Direction - CLARIFICATION
- VI. **NEW BUSINESS:**
 - A. Well #4 - Rehabilitation
 - B. Retaining Wall – N116 W16421 Main Street
 - C. WDOT Salt Bid for 2019-2020
 - D. EAB Ash Tree Treatments
 - E. Spring/Fall Brush Pick Up - Review
 - F. Resolution – Adopting 2018 CMAR (Compliance Maintenance Annual Report)
 - G. Grapple Bucket – Recycling Center
 - H. Recycling Center Material Processing – Blanket Purchase Order
 - I. Waste Water Utility Truck Purchase
 - J. Public Works Campus Storm Water Pollution Prevention Plan
 - K. Northeast Interceptor Sewer - Contract
- VII. **PROJECTS UPDATE:**
- VIII. **NEXT MEETING DATE:** Set July, 2019 Meeting Date and Time
- XI. **ANNOUNCEMENTS:**
- X. **ADJOURNMENT:**

UPON REASONABLE NOTICE, efforts will be made to accommodate the needs of disabled individuals through appropriate aids and services. For additional information or to request this service please contact the Village Clerk at (262)250-4740 at least 2 days prior to the meeting

*** Notice is given that a majority of the Village Board may attend this meeting to gather information about an agenda item over which they have decision making responsibility. This may constitute a meeting of the Village Board per State ex rel. Badke v. Greendale Village Board, even though the Village Board will not take formal action at this meeting.

**BUSINESS OF THE PUBLIC WORKS & HIGHWAYS COMMITTEE
GERMANTOWN, WI**

MEETING DATE: Wednesday June 5th, 2019

AGENDA ITEM: Unfinished Business

ITEM TITLE: Discussion/Direction EAB-Response to Common Questions, Situations, and Ordinance enforcement:
CLARIFICATION

SUBMITTED BY: Jay Olszewski, Highway Superintendent

SUMMARY EXPLANATION:

At the May Public Works Committee meeting staff was directed to inquire about how neighboring communities were handling dead trees in roadway./highway easements. Staff contacted a number of nearby communities and got a couple of responses. Mequon and Fox Point remove trees in roadway/highway easements as if they were in dedicated road right of way. They handle other easements on a case by case basis, with a majority of the removals being the responsibility of the private owner. These were the only two communities to respond to my informational request.

On a separate, but related note I had a resident ask about the potential of the Village providing "relief" for residents with the burden of removing private trees very near Village right of way or infrastructure (i.e. sidewalk/roadways). My position was that staff could not grant such "aide" and that any request for assistance should appear before an elected body. I just wanted to bring this to Committee's attention and affirm that this is the correct direction to provide those with this type of request.

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER x

RECOMMENDATION:
Per Committee....

COMMITTEE ACTION:
Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote.

**BUSINESS OF THE PUBLIC WORKS & HIGHWAYS COMMITTEE
GERMANTOWN, WI**

MEETING DATE: June 5, 2019

AGENDA ITEM: New Business

ITEM TITLE: Consideration to Rehab Well #4

SUBMITTED BY: Paul Haugen, Water Utility Superintendent

SUMMARY EXPLANATION:

In the last several months the water around the area of Well #4 (Old Farm Rd.) has been showing signs of suspended air through customer complaints. After many attempts to trouble shoot the problem with internal staff and then with the help of CTW it was determined that this Well is suffering from a Biofilm issue causing a CO2 discharge into the water.

We then proceeded to follow a temporary fix by super chlorination and acid treatment to clean off the biofilm on the carrier pipe and in the bore hole. We saw favorable decline in the biofilm but not a cure allowing us to put the well back online until we could rehab the Well in late fall of this year. As we were putting this well back online, the CO2 came back and, it was also determined that we had lost pumping capacity down hole either indicating there is a pump/impeller issue and/or hole in the carrier pipe.

With the up coming summer months of high usage, it is critical that the Village make the necessary repairs in a timely manner.

Insurance Claims have been submitted to the following:

Liberty Mutual Insurance – Claim #432118600

CHUBB Insurance – Claim #040519025109

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER X _____

RECOMMENDATION:

Staff recommends authorizing CTW to rehab Well #4 as an emergency per the attached.

The cost to treat and remediate the well (recommended work) is an estimated \$64,000.00

We will see addition cost of up to \$35,250.00 but this will depend on what can be salvaged and reused.

The only unknown cost will be what we find out after our motor is evaluated. We have a cost to recondition the motor back to factory specs which we will have done but the overall condition is unknown.

COMMITTEE ACTION:

Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote.

May 17, 2019

Mr. Paul Haugen- via email
Village of Germantown
N122 W17177 Fond du Lac Avenue
Germantown, WI 53022

RE: Well 4 Pump Issues

Dear Mr. Haugen:

Thank you for the opportunity to provide this proposal to address water quality issues at Well 4. Approximately three weeks ago, you had contacted us to address air bubbles in the water being pumped from well 4. We ruled out the bubbler system by turning it off. We then collected water samples that were analyzed by Mr. Andrew Jacque, PE, PhD who identified a significant amount of biological growth within the column pipe. This was treated with a combination of glycolic acid and chlorine and produced favorable results downhole. After pumping the well to waste for two days, a bacteriological sample was taken and the well placed back into service this morning. At the time that the well was placed back into service, it was noted that the amp draw was high on the motor, indicating that there is either a hole in the column pipe or wear on the pump which is reducing the output and increase the work being done. Within an hour of placing the well back into service, we received a call stating that the cloudy water had returned (despite clear water over the past few days).

At this time, we feel that the best approach to ensure consistent water quality is to pull the well pump and evaluate all of the pumping equipment. The current pump setting is 690 feet, so we anticipate it taking three days to get the pump removed from the well. Once the pump is out of the well, we recommend brushing the well to remove any build-up and then televising. This work can all be completed prior to receiving WDNR approval.

The next work to be completed would be treatment of the well, which requires WDNR approval. Andy recommends treatment of the well in a two-step process. The first step would include placing inhibited hydrochloric acid down the well and recirculating for at least 24 hours. Additional acid will be added and recirculated until the pH remains below 3 for at least 24 hours. Once this has been achieved, the hydrochloric acid will be pumped out of the well and neutralized. The second step includes injecting a combination of Clearitas, glycolic acid, and sodium hypochlorite. This would be recirculated/chemical added until there is no additional demand. After initial injection of the chemical, CTW personnel will monitor the pH and chlorine content at least twice daily and add additional chemicals if necessary.

Our pricing is based on the following chemical usage:

Hydrochloric Acid- 150 gallons
 Clearitas- 40 gallons
 Glycolic Acid- 25 gallons
 Chlorine- 75 gallons

After completion of the second phase of chemical treatment, the water from the well will be pumped off into a tank and neutralized. The pump and motor will then be installed, well pumped to waste, and two safe bacteriological samples taken.

The cost for the recommended work is:

Mobilize, disconnect motor and remove pump	\$20,000
Brush Well	\$1,000
Televis	\$1,000
Acid Treatment	\$8,500
Chemical Cleaning	\$10,500
Rebuilding Stuffing Box	\$500
Replace air lines (2)	\$500
Reinstallation of the pump and motor, start-up	\$21,000
Alterations to head to add recirculation line including installation of a copper recirculation line	\$1,000

The price for reinstallation can be reduced if we determine that the pump can be set shallower. Currently there is approximately 200 feet of water over the top of the bowl assembly whereas, we would recommend needing only approximately 100 feet over the top.

Depending on what is found down hole, the following pricing is being provided for budgetary purposes:

Rebuild existing 18 stage pump	\$14,000
(I can provide pricing on a replacement pump next week)	New Pump-\$25,000.00
Replacement of column pipe	\$300 per 10' length (total of 69 present)
Replacement of lineshaft bearings (select one of options below)	
rubber lineshaft bearings	\$30 each (total of 69 present)
vesconite bearings	\$60 each (total of 69 present)
Replacement of Pump	TBD
Initial Evaluation of Motor	\$750
(Additional costs if motor rebuild is recommended)	New bearings, dip/bake motor and balance rotor-\$2,200.00
Shaft (should not need to be replaced as spec was SS)	\$250 per 10' length (69 total)

We can complete the WDNR submittal for the chemical rehabilitation work yet today if you would like and I can request expedited review. We would then be able to get onsite the week of May 27th to pull the pump and complete the initial evaluation. Overall, I'd estimate that the well will be out of service approximately 4-6 weeks to complete the work

If you have any questions or need any additional information, please contact me at (414)308-0024 or sarah.nunn@ctwcorporation.com.

Sincerely,

Sarah J. Nunn

Sarah Nunn, PE
Operations Manager

Accepted By:

Signature

Printed Name

Date

**BUSINESS OF THE PUBLIC WORKS AND HIGHWAYS COMMITTEE
GERMANTOWN, WI**

MEETING DATE: Wednesday June 5th, 2019

AGENDA ITEM: New Business

ITEM TITLE: Retaining Wall - N116 W16421 Main St.

SUBMITTED BY: Jay Olszewski, Highway Superintendent

SUMMARY EXPLANATION:

At the request of Trustee Miller staff is presenting for Committee review a request for maintenance/replacement of the retaining wall at N116 W16421 Main St. (Kaul residence). The wall appears to be on private property; however, it was constructed by Village crews as part of the reconstruction of Main street back in 2000. The wall is now in a condition that requires repair and/or replacement. A rough cost for replacement would range between \$2,000 and \$6,000.

When Main street was reconstructed, sidewalk was added to the south side of the street. This was a highly contested situation that many residents were not in favor of. They felt the walk would be too close to their homes. The topic of eliminating the sidewalk appeared before the Public Works Committee back in September of 2000. At that time the motion to remove the walk failed on a 2-2 vote. In my research I could not find any documentation regarding the maintenance of the retaining wall. While the wall could be repaired temporarily, a full replacement may be a more prudent option. The bottom courses of block are showing extensive wear and are deteriorated in many areas.

Staff is asking for direction from Committee on how to proceed with the immediate situation of repair/replacement. Additionally, staff would also ask that Committee consider having a formal declaration drafted regarding maintenance of the wall moving forward.

ATTACHMENT: ORDINANCE____ RESOLUTION____ OTHER x

RECOMMENDATION:

Staff has no recommendation at this time.

COMMITTEE ACTION:

Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote.

Jay Olszewski

From: Rick Miller
Sent: Thursday, May 23, 2019 1:30 PM
To: Terri Kaminski
Cc: Jay Olszewski
Subject: Fw: Retaining wall at Squire and Main

Hi Terri;

Please read below. I would like this issue on the next Public Works meeting.

This is a retaining wall on Main St that is in need of repair. You can read the dialog between Jay and I below.

I am going to contact the property owner as to the progress and that they may have to wait until 2020.

Thanks

Rick

Rick Miller
Trustee - District #2
Village of Germantown
rmiller@village.germantown.wi.us
(262) 509-0037

From: Jay Olszewski
Sent: Thursday, May 23, 2019 10:20 AM
To: Rick Miller
Cc: Scott Anderson; Lawrence Ratayczak
Subject: RE: Retaining wall at Squire and Main

Good Morning Rick,

Per the earlier emails I would recommend that we include this in the 2020 budget. I will get a budgetary cost from a local landscaper to replace the wall. That figure would be a "stand alone" item that is part of hwy account 10-542-570-8100. During the presentation of the budget I will give an introduction/description/history of this "project", and let C.O.W decide if it should be included as a viable project. If approved I would also recommend (as you stated Rick) that we draft some document sunseting this as Village responsibility. In my opinion that is option #1 (preferred).

Another option could be for this to be placed on a future PW agenda and have the matter discussed there. Committee could weigh in on if this is Village responsibility, and direct staff accordingly. A ballpark figure for the replacement would be between \$5,000-\$10,000. While not a huge expenditure it is unbudgeted, meaning it could be done this year, but where it would get funding would need to be determined.

I would be comfortable with either solution. Please let me know if I can be of any additional help.

Have a nice Memorial Day weekend!!

Jay

From: Rick Miller <RMILLER@village.germantown.wi.us>
Sent: Tuesday, May 21, 2019 1:27 PM
To: Jay Olszewski <jolszewski@village.germantown.wi.us>
Cc: Scott Anderson <sanderson@village.germantown.wi.us>; Lawrence Ratayczak <lratayczak@village.germantown.wi.us>
Subject: Re: Retaining wall at Squire and Main

Hi Jay;

I'm circling back on the retaining wall. I can talk to Mr Kaul. What is the plan of action? Will you do the reconstruction this year or will this be a 2020 project?

I haven't contacted Mr Kaul yet, but I need to respond.

Thanks

Rick Miller
Trustee - District #2
Village of Germantown
rmiller@village.germantown.wi.us
(262) 509-0037

From: Rick Miller
Sent: Wednesday, April 10, 2019 11:12:46 PM
To: Jay Olszewski
Cc: Scott Anderson; Lawrence Ratayczak
Subject: RE: Retaining wall at Squire and Main

I saw the wall first hand and you a right. It would benefit from a replacement.

I don't know how this works legally but I would like to propose that we rebuild and turn it over to the property owner afterwards. That would close this big question of responsibility.

Rick

On Apr 10, 2019 3:58 PM, Jay Olszewski <jolszewski@village.germantown.wi.us> wrote:
Hi Rick,

I did some digging regarding the retaining wall along Main in front of the Kaul residence. In review of the file it was very evident that the Kaul's and other residents were not happy when the sidewalk went in on the south side of Main St. Their biggest concern was the sidewalk being so close to the houses. There were a number of correspondences from the Kaul's regarding the sidewalk, but none mentioned the retaining wall. I did confirm that the wall was constructed by Highway Department personnel. It appears that it was constructed on private property, and nowhere could I find any documentation stating the Village was responsible for the perpetual maintenance of the structure. That said, knowing it was built by the Village as part of the Main St. reconstruction, I would contend that it is ours to maintain. In looking at the current condition of the wall, and knowing the contentious nature of this situation I would

recommend that we do not make any repairs at this time. Instead I would recommend that we plan for a total reconstruction of the wall in 2020. We can budget for this project and get a better end product. I did speak to Larry about this at our recent staff meeting and he thought this was a solid plan. We also agreed that we should run it past you and Mr. Kaul before making a final decision. We would include this item in the 2020 budget so it could be discussed by both Village staff and elected officials. In my opinion when requests have extenuating circumstances (private property, no clear cut maintenance declaration) it is best to have a collective direction given. This "insulates" both staff and elected officials from the claim that someone is receiving "special treatment", or we are performing "pet projects". Please let me know what you think, or if you would like additional information. If you agree with this plan feel free to let Mr. Kaul know. If you would rather me contact him, please get me his email address I can reach out to him as well.

Respectfully,

Jay

From: Rick Miller <RMILLER@village.germantown.wi.us>
Sent: Tuesday, March 26, 2019 4:05 PM
To: Jay Olszewski <jolszewski@village.germantown.wi.us>
Cc: Scott Anderson <sanderson@village.germantown.wi.us>; Lawrence Ratayczak <lratayczak@village.germantown.wi.us>
Subject: RE: Retaining wall at Squire and Main

I wondered who was responsible. Thanks

On Mar 26, 2019 3:30 PM, Jay Olszewski <jolszewski@village.germantown.wi.us> wrote:
Hi Rick,

I will look into it. I know this matter was brought up in the recent past and we wanted to verify the maintenance responsibility regarding the wall. I believe the wall is on private property. I wasn't in this role when Main St was redone, but trust the wall was installed as part of the Main St. reconstruction. I'll keep you posted on what we find and a timeframe if it is the Village's to maintain.

Thanks,

Ja

From: Rick Miller <RMILLER@village.germantown.wi.us>
Sent: Tuesday, March 26, 2019 1:10 PM
To: Scott Anderson <sanderson@village.germantown.wi.us>
Cc: Jay Olszewski <jolszewski@village.germantown.wi.us>
Subject: Retaining wall at Squire and Main

Got a call from Tom McCall regarding the retaining wall at Squire and Main. Apparently there is some block faces that have damage or are coming off. Please check it out.

Thanks

Here's a transcript of the voicemail

Hi Rick, this is Tom McCall. I live in a corner of Squire on Main that retaining wall that's in front of my house at the Village put in after they redid Main Street. The faces of the retaining wall block are

coming off of it. I think it's from the salt from the road. But anyway, there's quite a few of them. They're the faces are off and I was wondering it's possibly that the village could replace the ones that that our faces that are off cuz it looks pretty bad. So if you get back to me, I'd appreciate it. My number is 414-300-5224. Again, that's the retaining wall. That's right in front of my house. Adjunct to the sidewalk. So got any questions. Give me a buzz. Thank you. Bye.

Rick Miller
Trustee - District #2
Village of Germantown
rmiller@village.germantown.wi.us
(262) 509-0037

**BUSINESS OF THE PUBLIC WORKS & HIGHWAYS COMMITTEE
GERMANTOWN, WI**

MEETING DATE: Wednesday June 5th, 2019

AGENDA ITEM: New Business

ITEM TITLE: WDOT Salt Bid 2019-2020

SUBMITTED BY: Jay Olszewski, Highway Superintendent

SUMMARY EXPLANATION:

Staff is confirming that the Village entered into WisDOT Bid Process for 2019 and 2020 season. Staff will be purchasing 500 tons of salt in 2019 and up to 3,100 tons in 2020. The per ton cost is not available. Currently the Village has approximately 1,600 tons of salt on hand. The Village used approximately 3,200 tons this past winter season. Attached is a breakdown of the salt usage for the past 18 seasons.

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER x

RECOMMENDATION:

Staff recommends remaining part of the WisDOT bid process.

COMMITTEE ACTION:

Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote.

SALT PURCHASING INFO

YEAR	SALT	# OF OPERATIONS
18-19	3,205	42
17-18	3,130	39
16-17	2,875	34
15-16	2,756	33
14-15	2,185	44
13-14	3,258	67
12-13	3,467	53
11-12	2,127	42
10-11	3,430	57
9-10	2,045	38
8-9	3,332	53
7-8	3,432	79
6-7	3,304	52
5-6	3,093	46
4-5	2,475	45
3-4	1,659	32
2-3	2,138	39
1-2	1,744	25
AVERAGE SALT USE	2,759 TONS	
Average use multiplied by 1.5	4,100 TONS	
SALT ON HAND end of 18-19 Season	1,600	TONS

SALT ORDERED FOR '19-20

**500 Ton Early Fill
2,500 Ton Seasonal Fill
600 Ton Vendor Reserve**

Estimate cost per ton \$73.00

2020 Budget (est.) \$226,300

**BUSINESS OF THE PUBLIC WORKS & HIGHWAYS COMMITTEE
GERMANTOWN, WI**

MEETING DATE: Wednesday June 5th, 2019

AGENDA ITEM: New Business

ITEM TITLE: EAB Ash Tree Treatments

SUBMITTED BY: Jay Olszewski, Highway Superintendent

SUMMARY EXPLANATION:

Staff is presenting for Committee review the quotes for the trunk injection treatments of select ash trees throughout the Village. The scope of the project is approximately 156 trees at roughly 2,100 inches (DBH). The trees were treated in 2017 and are still in a healthy condition today. Trees need to be treated on an every other year basis. Staff notified 8 area contractors and invited them to bid on the project. The results are as follows:

Crawford Tree & Landscape	\$4.55/ inch
M&M Tree Service	DNR
Wactel Tree Science	\$7.50/inch
First Choice	\$6.36/in

2018 per inch price was \$4.86.

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER _____

RECOMMENDATION:

Staff recommends contracting with Crawford Tree and Landscape in the amount not to exceed \$10,000. Funds shall be allocated from parks account 10-553-530-5290.

COMMITTEE ACTION:

Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote.

**BUSINESS OF THE PUBLIC WORKS AND HIGHWAYS COMMITTEE
GERMANTOWN, WI**

MEETING DATE: Wednesday June 5th, 2019

AGENDA ITEM: New Business

ITEM TITLE: Review Spring and Fall Brush Pick Up

SUBMITTED BY: Jay Olszewski, Highway Superintendent

SUMMARY EXPLANATION:

The Village provides curb side pick up of brush twice a year, spring and fall. The pick up is over a two week period in May and October. Providing this service is becoming more and more difficult and expensive. In a memo to the Village Board in October of 2010 I noted that Village wide pick up took on average 250 manhours in spring and fall. We also consumed 750 gallons of diesel fuel with each pick up. In the last decade those figures have risen to an average of 300 manhours and 900 gallons of fuel respectively. The effects are not just the process of picking up the brush. It's also in the handling. In the past a local landscape/nursery would take a majority of the material at no cost. That is no longer an option. Now all of the brush is stored, handled, and processed at the recycling center. This creates space issues especially in spring when the yard is wet due to weather conditions. The practice of spring and fall brush pick up is very inefficient. Our Village is 36 square miles, and residents can place brush out anytime during that two week window. No community in our immediate area picks up brush this way. Menomonee Falls does it once a year. Harford, Jackson, Slinger, pick it up once a month from June-Oct (on average...each does it somewhat different), and Mequon ended curbside pick up in 2004 due to budget constraints.

As staff we are constantly looking at our operations and asking ourselves how can we be more efficient. In my opinion our way of picking up brush is outdated and antiquated. That said I also realize that change, and possibly reducing services is not popular. My goal in presenting this topic is to initiate positive discussion, so together we can devise a process that serves our residents, but also takes into consideration the growing list of maintenance responsibilities of our department.

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER x

RECOMMENDATION:

Discussion only....

COMMITTEE ACTION:

Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote.

**BUSINESS OF THE PUBLIC WORKS & HIGHWAYS COMMITTEE
GERMANTOWN, WI**

MEETING DATE: 5 June 2018

AGENDA ITEM: New Business

ITEM TITLE: Resolution Adopting 2018 Compliance Maintenance Annual Report
(CMAR)(DNR)

SUBMITTED BY: Timothy K. Zimmerman – Wastewater Superintendent

SUMMARY EXPLANATION:

I am presenting for your review the 2018 CMAR (Compliance Maintenance Annual Report). This requirement went into effect on January 1, 2006 as part of the renewal of our WPDES (Wisconsin Pollutant Discharge Elimination System) General Permit under the authority of Chapter 283, Wisconsin Statutes and the requirements of ch. NR 208 Wisconsin Administrative Code. The report must be accepted by resolution by the governing body (Village Board) before submission to the Department of Natural Resources.

ATTACHMENT: ORDINANCE _____ RESOLUTION X OTHER X

RECOMMENDATION:

It is my recommendation to send forward to the Village Board the 2018 CMAR and adopt its results by resolution of the full Village Board.

COMMITTEE ACTION:

Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote.

STATE OF WISCONSIN
VILLAGE OF GERMANTOWN
WASHINGTON COUNTY

RESOLUTION NO. ____-19

A RESOLUTION ADOPTING THE 2017 WISCONSIN POLLUTION DISCHARGE
ELIMINATION SYSTEM COMPLAINT MAINTENANCE ANNUAL REPORT

WHEREAS, by the action taken in Resolution NO. ____-19, the Village is a participant in the Wisconsin Pollutant Discharge Elimination System ("WPDES") program; and

WHEREAS, participants in the WPDES program are required to renew their General Permits issued under that program; and

WHEREAS, the permit renewal requires the Village to complete and submit a Compliance Maintenance Annual Report ("CMAR"); and

WHEREAS, the Village's Public Works Committee reviewed the attached CMAR report and forwarded the same to the Village Board with a recommendation for adoption; and

WHEREAS, the Village Board having reviewed the same concurs with the recommendation of the Public Works Committee;

NOW, THEREFORE, BE IT RESOLVED that the Village Board of the Village of Germantown, Wisconsin, do hereby adopt the attached Compliance Maintenance Annual Report.

BE IT FURTHER RESOLVED that the Village Wastewater Superintendent is hereby directed and authorized to include the attached CMAR in the Village's application for the renewal of its WPDES General Permit.

Introduced by Trustee:

Adopted: June 17, 2019

Vote: Ayes: ____ Nays: ____ Absent: ____

Dean M. Wolter, Village President

ATTEST:

Deanna L. Braunchweig, WCMC/CMC
Village Clerk

Compliance Maintenance Annual Report

Germantown Village

Last Updated: Reporting For:
5/9/2019 2018

Financial Management

1. Provider of Financial Information

Name:

Timothy K. Zimmerman

Telephone:

262-253-7765

(XXX) XXX-XXXX

E-Mail Address
(optional):

tzimmerman@village.germantown.wi.us

2. Treatment Works Operating Revenues

2.1 Are User Charges or other revenues sufficient to cover O&M expenses for your wastewater treatment plant AND/OR collection system ?

● Yes (0 points) ☐

○ No (40 points)

If No, please explain:

2.2 When was the User Charge System or other revenue source(s) last reviewed and/or revised?
Year:

2018

● 0-2 years ago (0 points) ☐

○ 3 or more years ago (20 points) ☐

○ N/A (private facility)

2.3 Did you have a special account (e.g., CWFPP required segregated Replacement Fund, etc.) or financial resources available for repairing or replacing equipment for your wastewater treatment plant and/or collection system?

● Yes (0 points)

○ No (40 points)

REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 3]

3. Equipment Replacement Funds

3.1 When was the Equipment Replacement Fund last reviewed and/or revised?

Year:

2018

● 1-2 years ago (0 points) ☐

○ 3 or more years ago (20 points) ☐

○ N/A

If N/A, please explain:

3.2 Equipment Replacement Fund Activity

3.2.1 Ending Balance Reported on Last Year's CMAR

\$ 726,174.88

3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)

\$ 0.00

3.2.3 Adjusted January 1st Beginning Balance

\$ 726,174.88

3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)

+

\$ 51,114.30

Compliance Maintenance Annual Report

Germantown Village

Last Updated: Reporting For:
5/9/2019 2018

3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*)

- \$ 0.00

3.2.6 Ending Balance as of December 31st for CMAR Reporting Year

\$ 777,289.18

All Sources: This ending balance should include all Equipment Replacement Funds whether held in a bank account(s), certificate(s) of deposit, etc.

3.2.6.1 Indicate adjustments, equipment purchases, and/or major repairs from 3.2.5 above.

3.3 What amount should be in your Replacement Fund?

\$ 125,000.00

Please note: If you had a CWFP loan, this amount was originally based on the Financial Assistance Agreement (FAA) and should be regularly updated as needed. Further calculation instructions and an example can be found by clicking the SectionInstructions link under Info header in the left-side menu.

3.3.1 Is the December 31 Ending Balance in your Replacement Fund above, (#3.2.6) equal to, or greater than the amount that should be in it (#3.3)?

☒ Yes

☐ No

If No, please explain.

4. Future Planning

4.1 During the next ten years, will you be involved in formal planning for upgrading, rehabilitating, or new construction of your treatment facility or collection system?

☒ Yes - If Yes, please provide major project information, if not already listed below. ☐ ☐

☐ No

Project #	Project Description	Estimated Cost	Approximate Construction Year
1	Private property I/I remediation	375000	2019
2	48" Interceptor Rehabilitation 5240 lin. ft. 2018 cost 2.375 million	2375000	2019
3	Park Avenue Sewer relays	175000	2019
4	Wrenwood pump station and interceptor	5400000	2019

5. Financial Management General Comments

ENERGY EFFICIENCY AND USE

6. Collection System

6.1 Energy Usage

6.1.1 Enter the monthly energy usage from the different energy sources:

COLLECTION SYSTEM PUMPAGE: Total Power Consumed

Number of Municipally Owned Pump/Lift Stations: 8

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	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	58,179	
February	55,311	
March	61,549	
April	55,285	
May	44,638	
June	50,229	
July	55,507	
August	53,840	
September	51,469	
October	54,136	
November	56,134	
December	47,986	
Total	644,263	0
Average	53,689	0

6.1.2 Comments:

6.2 Energy Related Processes and Equipment

6.2.1 Indicate equipment and practices utilized at your pump/lift stations (Check all that apply):

- ☐ Comminution or Screening
- ☐ Extended Shaft Pumps
- ☒ Flow Metering and Recording
- ☐ Pneumatic Pumping
- ☒ SCADA System
- ☐ Self-Priming Pumps
- ☒ Submersible Pumps
- ☒ Variable Speed Drives
- ☐ Other:

6.2.2 Comments:

6.3 Has an Energy Study been performed for your pump/lift stations?

● No

○ Yes

Year:

By Whom:

Describe and Comment:

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6.4 Future Energy Related Equipment

6.4.1 What energy efficient equipment or practices do you have planned for the future for your pump/lift stations?

As available from WI focus on energy and annual budget

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

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Sanitary Sewer Collection Systems

1. Capacity, Management, Operation, and Maintenance (CMOM) Program

1.1 Do you have a CMOM program that is being implemented?

• Yes

o No

If No, explain:

1.2 Do you have a CMOM program that contains all the applicable components and items according to Wisc. Adm Code NR 210.23 (4)?

• Yes

o No (30 points)

o N/A

If No or N/A, explain:

1.3 Does your CMOM program contain the following components and items? (check the components and items that apply)

☒ Goals [NR 210.23 (4)(a)]

Describe the major goals you had for your collection system last year:

Continue to reduce system I/I. Use cost effective I/I removal technologies. Continue to provide current levels of service and improve on them as time and money allow.

Did you accomplish them?

• Yes

o No

If No, explain:

☒ Organization [NR 210.23 (4) (b)] ☐

Does this chapter of your CMOM include:

☒ Organizational structure and positions (eg. organizational chart and position descriptions)

☒ Internal and external lines of communication responsibilities

☒ Person(s) responsible for reporting overflow events to the department and the public

☒ Legal Authority [NR 210.23 (4) (c)]

What is the legally binding document that regulates the use of your sewer system?

Chapter 13 Municipal code

If you have a Sewer Use Ordinance or other similar document, when was it last reviewed and revised? (MM/DD/YYYY) 2003-01-01

Does your sewer use ordinance or other legally binding document address the following:

☒ Private property inflow and infiltration

☒ New sewer and building sewer design, construction, installation, testing and inspection

☒ Rehabilitated sewer and lift station installation, testing and inspection

☒ Sewage flows satellite system and large private users are monitored and controlled, as necessary

☒ Fat, oil and grease control

☒ Enforcement procedures for sewer use non-compliance

☒ Operation and Maintenance [NR 210.23 (4) (d)]

Does your operation and maintenance program and equipment include the following:

☒ Equipment and replacement part inventories

☒ Up-to-date sewer system map

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☒ A management system (computer database and/or file system) for collection system information for O&M activities, investigation and rehabilitation

☒ A description of routine operation and maintenance activities (see question 2 below)

☒ Capacity assessment program

☒ Basement back assessment and correction

☒ Regular O&M training

☒ Design and Performance Provisions [NR 210.23 (4) (e)] ☐ ☐

What standards and procedures are established for the design, construction, and inspection of the sewer collection system, including building sewers and interceptor sewers on private property?

☒ State Plumbing Code, DNR NR 110 Standards and/or local Municipal Code Requirements

☒ Construction, Inspection, and Testing

☒ Others:

<http://www.village.germantown.wi.us/DocumentCenter/View/76/Sec-5---Gtown-San-Sewer-System-Requirements>

Industry accepted best practices

☒ Overflow Emergency Response Plan [NR 210.23 (4) (f)] ☐ ☐

Does your emergency response capability include:

☒ Responsible personnel communication procedures

☒ Response order, timing and clean-up

☒ Public notification protocols

☒ Training

☒ Emergency operation protocols and implementation procedures

☒ Annual Self-Auditing of your CMOM Program [NR 210.23 (5)] ☐ ☐

☒ Special Studies Last Year (check only those that apply):

☒ Infiltration/Inflow (I/I) Analysis

☐ Sewer System Evaluation Survey (SSES)

☐ Sewer Evaluation and Capacity Management Plan (SECAP)

☐ Lift Station Evaluation Report

☐ Others:

0

2. Operation and Maintenance

2.1 Did your sanitary sewer collection system maintenance program include the following maintenance activities? Complete all that apply and indicate the amount maintained.

Cleaning % of system/year

Root removal % of system/year

Flow monitoring % of system/year

Smoke testing % of system/year

Sewer line televising % of system/year

Manhole inspections % of system/year

Lift station O&M # per L.S./year

Manhole rehabilitation % of manholes rehabbed

Mainline rehabilitation % of sewer lines rehabbed

Private sewer inspections

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Private sewer I/I
removal

0

% of system/year

0

% of private services

River or water
crossings

100

% of pipe crossings evaluated or maintained

Please include additional comments about your sanitary sewer collection system below:

3. Performance Indicators

3.1 Provide the following collection system and flow information for the past year.

39.30

Total actual amount of precipitation last year in inches

34.89

Annual average precipitation (for your location)

103.23

Miles of sanitary sewer

8

Number of lift stations

0

Number of lift station failures

0

Number of sewer pipe failures

4

Number of basement backup occurrences

2

Number of complaints

3.493

Average daily flow in MGD (if available)

4.18

Peak monthly flow in MGD (if available)

Peak hourly flow in MGD (if available)

3.2 Performance ratios for the past year:

0.00

Lift station failures (failures/year)

0.00

Sewer pipe failures (pipe failures/sewer mile/yr)

0.00

Sanitary sewer overflows (number/sewer mile/yr)

0.04

Basement backups (number/sewer mile)

0.02

Complaints (number/sewer mile)

1.2

Peaking factor ratio (Peak Monthly:Annual Daily Avg)

0.0

Peaking factor ratio (Peak Hourly:Annual Daily Avg)

4. Overflows

LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OFERFLOWS REPORTED **

Date	Location	Cause	Estimated Volume (MG)
None reported			

** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected.

5. Infiltration / Inflow (I/I)

5.1 Was infiltration/inflow (I/I) significant in your community last year?

☐ Yes

☒ No

If Yes, please describe:

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5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year?

☐ Yes

☒ No

If Yes, please describe:

5.3 Explain any infiltration/inflow (I/I) changes this year from previous years:

I/I is trending down due to manhole rehab and mainline grouting

5.4 What is being done to address infiltration/inflow in your collection system?

on going manhole rehab, mainline pipe evaluations, PP I/I program through MMSD

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

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Grading Summary

WPDES No: 0047341

SECTIONS	LETTER GRADE	GRADE POINTS	WEIGHTING FACTORS	SECTION POINTS
Financial	A	4	1	4
Collection	A	4	3	12
TOTALS			4	16
GRADE POINT AVERAGE (GPA) = 4.00				

Notes:

- A = Voluntary Range (Response Optional)
- B = Voluntary Range (Response Optional)
- C = Recommendation Range (Response Required)
- D = Action Range (Response Required)
- F = Action Range (Response Required)

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Resolution or Owner's Statement

Name of Governing
Body or Owner:

Village of Germantown

Date of Resolution or
Action Taken:

2019-06-17

Resolution Number:

Date of Submittal:

ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO SPECIFIC CMAR SECTIONS (Optional for grade A or B. Required for grade C, D, or F):

Financial Management: Grade = A

Collection Systems: Grade = A

(Regardless of grade, response required for Collection Systems if SSOs were reported)

ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO THE OVERALL GRADE POINT AVERAGE AND ANY GENERAL COMMENTS

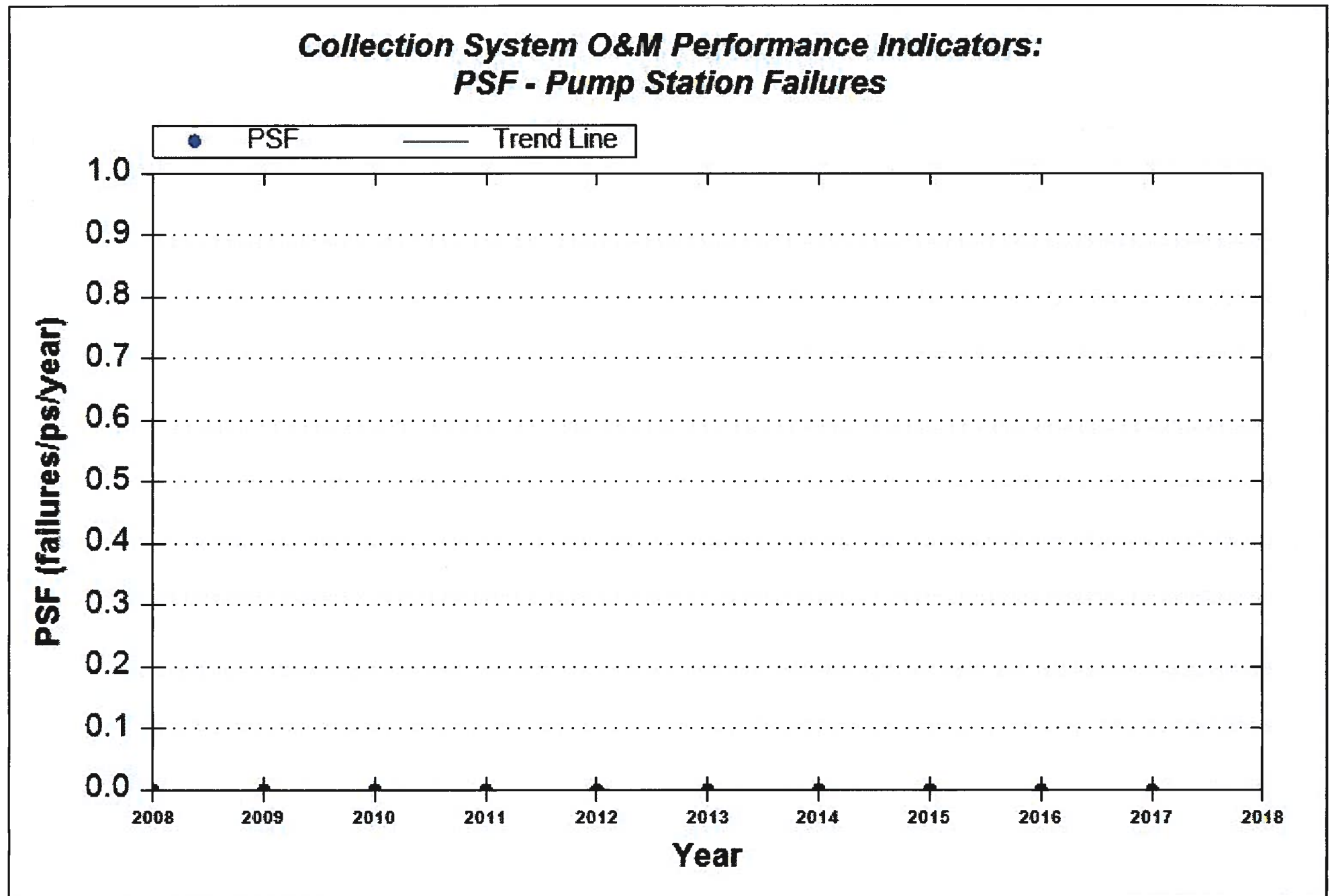
(Optional for G.P.A. greater than or equal to 3.00, required for G.P.A. less than 3.00)

G.P.A. = 4.00

Germantown Village

Linear equation uses 2008 - 2018 CMAR data

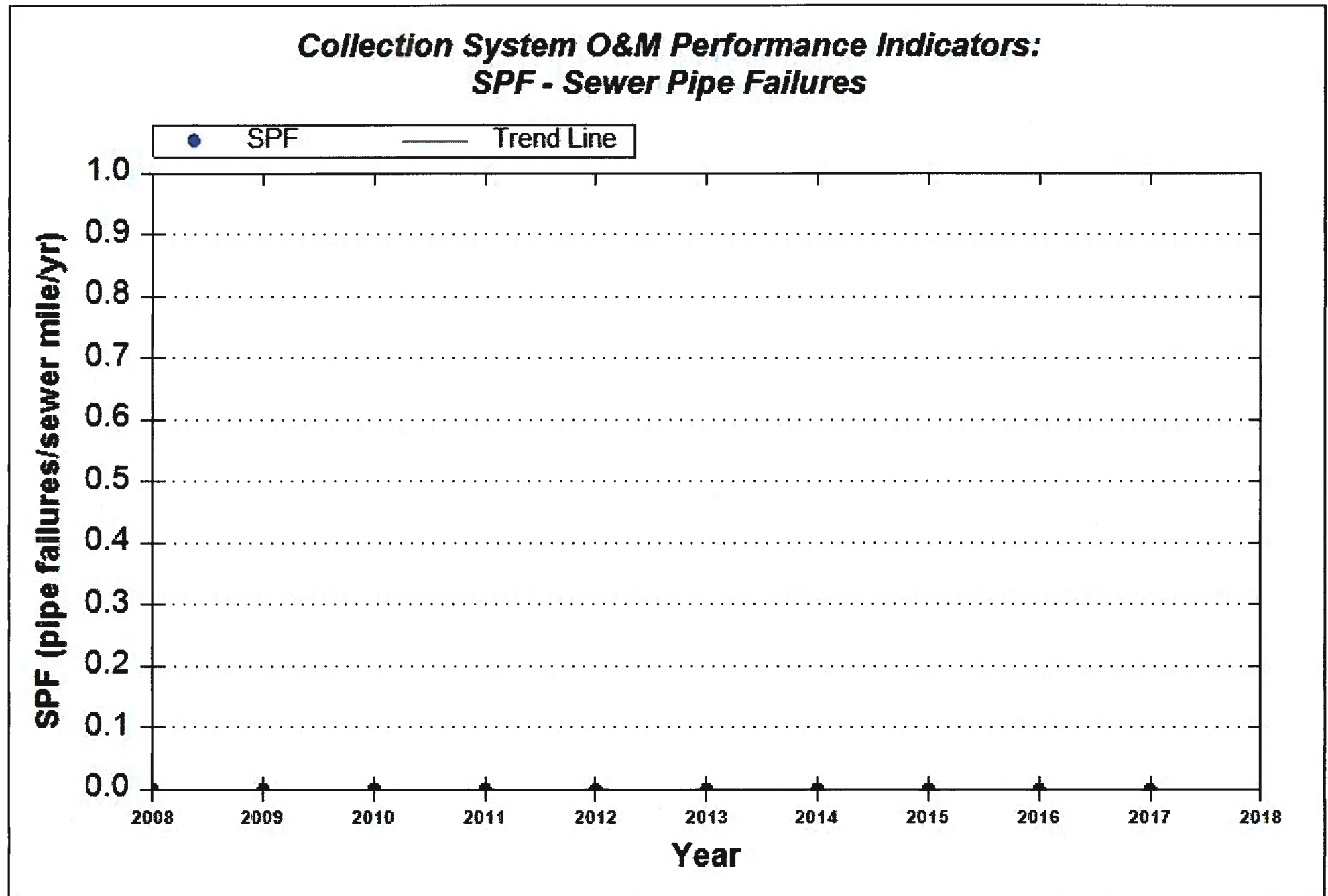
for Trend Line: PSF: $y = 0x + 0$



Germantown Village

Linear equation uses 2008 - 2018 CMAR data

for Trend Line: SPF: $y = 0x + 0$

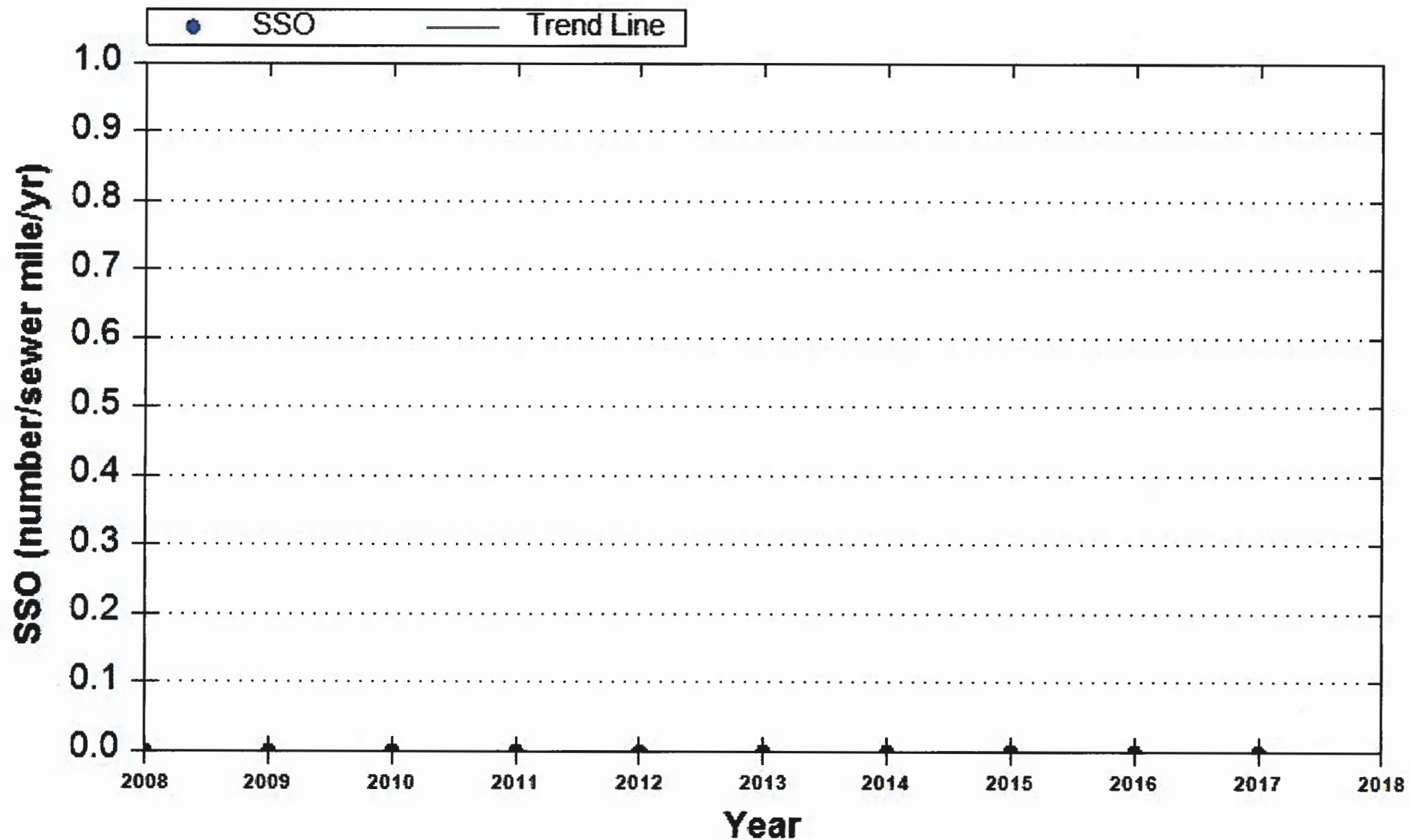


Germantown Village

Linear equation uses 2008 - 2018 CMAR data

for Trend Line: SSO: $y = 0x + 0$

Collection System O&M Performance Indicators: SSO - Sanitary Sewer Overflows

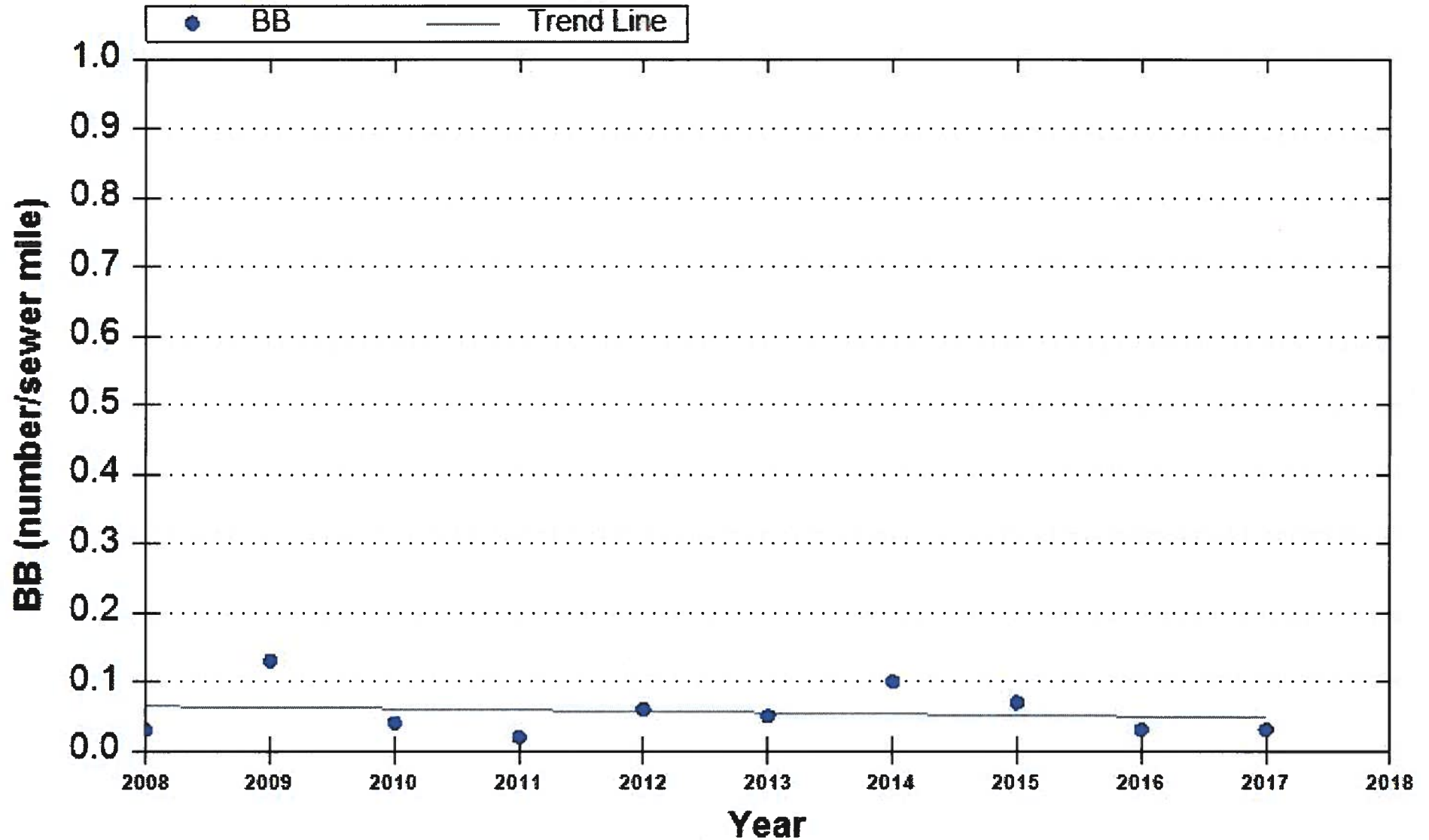


Germantown Village

Linear equation uses 2008 - 2018 CMAR data

for Trend Line: BB: $y = -0.001938x + 0.06$

Collection System O&M Performance Indicators: BB - Basement Backups

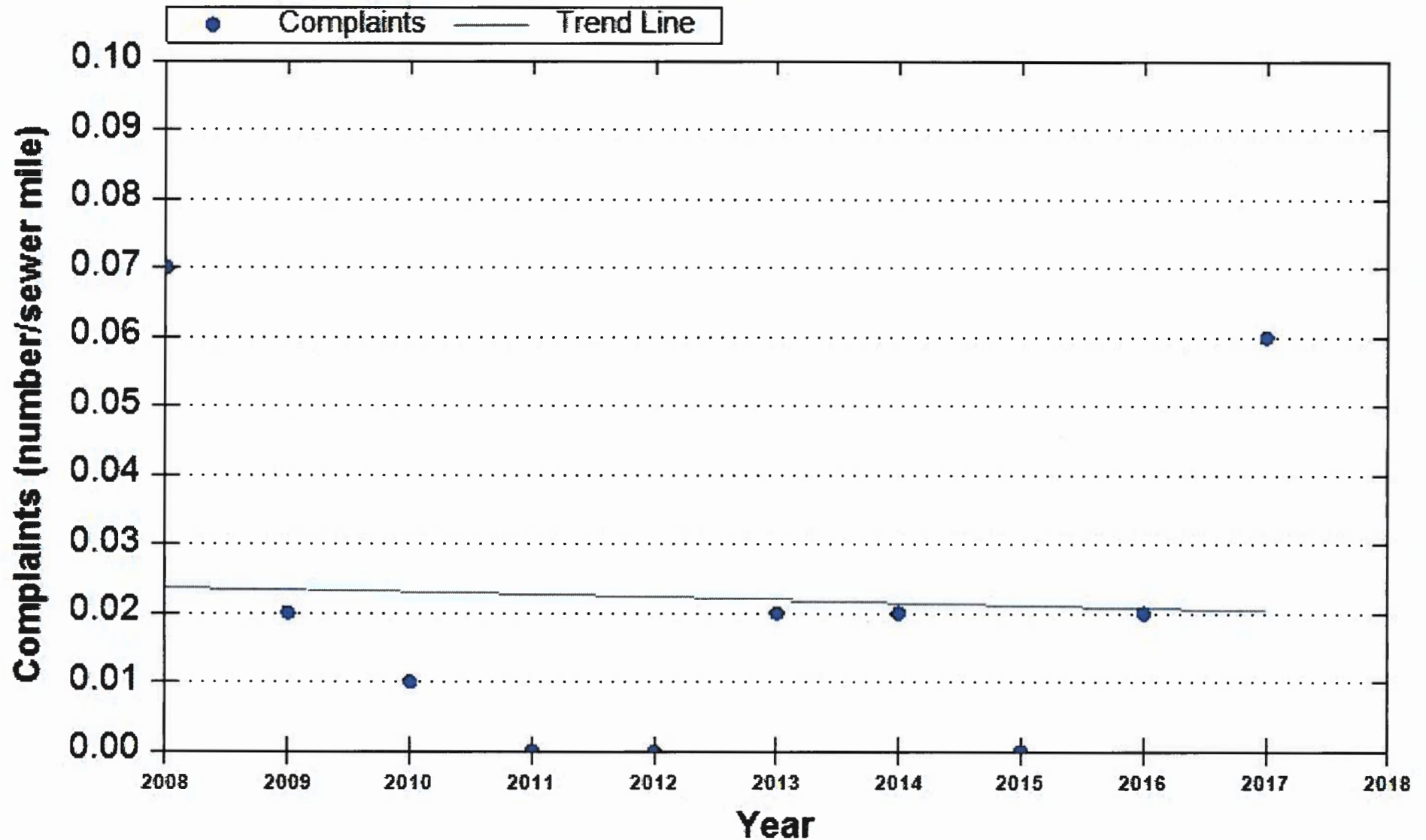


Germantown Village

Linear equation uses 2008 - 2018 CMAR data

for Trend Line: Complaints: $y = -0.000363x + 0.02$

Collection System O&M Performance Indicators: Complaints



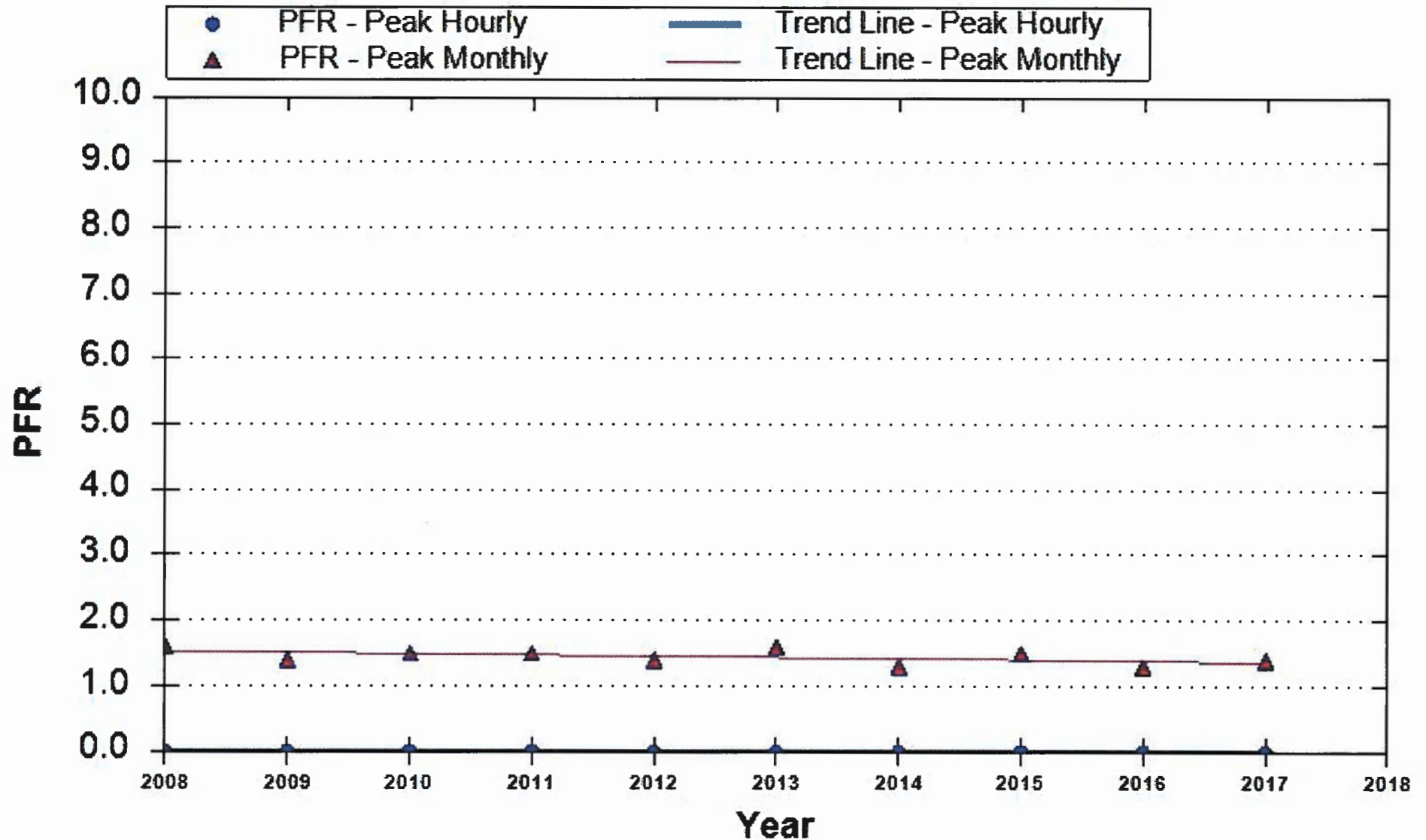
Germantown Village

Linear equations use 2008 - 2018 CMAR data

for Trend Lines: PFR - Peak Hourly: $y = 0x + 0$

PFR - Peak Monthly: $y = -0.017577x + 1.53$

Collection System O&M Performance Indicators: PFR - Peaking Factor Ratio (Hourly and Monthly)



**BUSINESS OF THE PUBLIC WORKS & HIGHWAYS COMMITTEE
GERMANTOWN, WI**

MEETING DATE: June 5, 2019

AGENDA ITEM: New Business

ITEM TITLE: Authorization to Purchase – Brush Grapple Bucket

SUBMITTED BY: Timothy K. Zimmerman – Wastewater Superintendent

SUMMARY EXPLANATION:

I am seeking authorization to purchase a 3.5 cu.yd. brush bucket for use at the Recycling Center for brush handling and material processing. RFP's were solicited from the area heavy equipment dealers and two responded to the request. Kelbe Brothers Equipment were low bid at \$15,117.00

ATTACHMENT: ORDINANCE____ RESOLUTION____ OTHER____

RECOMMENDATION

It is my recommendation to purchase one (1) JRB 500GB350 Grapple Bucket size 416 compatible, from Kelbe Brothers Equipment for the amount not to exceed \$15,117.00 and to forward this recommendation on to the Village Board for approval. Money for this purchase was approved in the 2019 Recycling Budget in line item 40-546-570-8400.

COMMITTEE ACTION:

Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote.

**BUSINESS OF THE PUBLIC WORKS & HIGHWAYS COMMITTEE
GERMANTOWN, WI**

MEETING DATE: June 5, 2019

AGENDA ITEM: New Business

ITEM TITLE: Authorization for a Blanket Purchase Order for the Recycling Center for Material Processing

SUBMITTED BY: Timothy K. Zimmerman – Wastewater Superintendent

SUMMARY EXPLANATION:

I am seeking a blanket purchase order for Enercon for material processing for the Recycling Center for 2019, in the amount not to exceed \$25,000. This amount will cover 7 days of wood material processing at the Center.

ATTACHMENT: ORDINANCE_____ RESOLUTION_____ OTHER

RECOMMENDATION:

It is staff's recommendation to approve the Blanket P.O. to Enercon for the amount not to exceed \$25,000.00. And to forward the same recommendation onto the Village Board for approval. Funds to be allocated from Recycling Budget line item 10-546-570-7960.

COMMITTEE ACTION:

Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote.

**BUSINESS OF THE PUBLIC WORKS & HIGHWAYS COMMITTEE
GERMANTOWN, WI**

MEETING DATE: June 5, 2019

AGENDA ITEM: New Business

ITEM TITLE: Consideration of purchase- Wastewater Utility Truck Cab and Chassis

SUBMITTED BY: Timothy K. Zimmerman- Supt. Wastewater Utility

SUMMARY EXPLANATION:

We are presenting for your review the proposals for the Wastewater Utility Truck cab and chassis:

Badger Truck and Auto Group	\$47,343.00
Lakeside International	\$49,987.00
Ewald Automotive Group	\$44,096.00

ATTACHMENT: ORDINANCE_____ RESOLUTION_____ OTHER

RECOMMENDATION:

It is my recommendation to purchase a 2019 MD 4500 cab and chassis as specified from Ewald Automotive Group. Funds will be distributed from account number 60-180-185-3730, Transportation Equipment. Funding for this item was approved in the 2019 capital budget for the Utility. This vehicle will replace truck 554 a 2006 GMC 3500. The existing truck has been requested by our mechanics to remain in the fleet as a shop vehicle for road emergencies. Trade value is \$10,500 if the Committee feels reimbursement is needed. This is an incomplete vehicle, service body proposals will come forward in July.

COMMITTEE ACTION:

Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote.

**BUSINESS OF THE PUBLIC WORKS & HIGHWAYS COMMITTEE
GERMANTOWN, WI**

MEETING DATE: June 5, 2019

AGENDA ITEM: New Business

ITEM TITLE: Northeast Interceptor Sanitary Sewer

SUBMITTED BY: Lawrence Ratayczak, P.E.- Director of Public Works

SUMMARY EXPLANATION:

Staff advertised and received three (3) proposals for the construction of the proposed extension of sanitary sewer, which would be completed in two (2) phases; Phase #1; from approximately 923 feet south of the Well # 11 to 421 feet north of Pheasant Lane on Country Aire Drive (approx. 3,843 lf) and Phase #2; from the abandonment of Lift Station #1 to a point of connection to sanitary sewer in the Wrenwood Development (approx.. 1,999 lf).

The three (3) proposals where received from:

- | | |
|---------------------------------|------------------|
| 1) Minger Construction Co., Inc | = \$5,970,918.00 |
| 2) Advanced Construction, Inc | = \$6,292,297.00 |
| 3) Super Excavators, Inc | = \$7,344,170.00 |

All bidding contractors where reviewed resulting with the determination that all could perform the work required to complete this project.

Funding will be a combination of Wastewater Utility Funds and Borrowed Funds.

ATTACHMENT: ORDINANCE_____ RESOLUTION_____ OTHER XX

- Bid Summary

RECOMMENDATION:

Staff recommends Public Works and Highway Committee approve awarding the project to Minger Construction Co. Inc in the amount of \$5,970,918.00 plus a contingency of 5% or \$298,545.00 for a total approved project amount of \$6,269,463.00 and forward with a positive recommendation for award to Village Board.

VILLAGE OF GERMANTOWN
NORTHEAST INTERCEPTOR SEWER

BID OPENING:
THURSDAY, MAY 30, 2019
10:00 AM
AT: GERMANTOWN DPW OFFICE

I. BID SCHEDULE				Minger Construction Co., Inc.		Advance Construction, Inc.		Super Excavators, Inc.	
Item #	Item Description	Qty.	Unit	Unit \$	Total	Unit \$	Total	Unit \$	Total
PHASE 1: MEQUON RD RIGHT-OF-WAY / COUNTRY AIRE RD TO PARK / WATER TOWER AREA									
1	18" Sanitary Sewer (Open Cut with spoil backfill)	858	LF	\$ 525.50	\$ 450,879.00	\$ 400.00	\$ 343,200.00	\$ 260.00	\$ 223,080.00
2	18" Sanitary Sewer (Open Cut with granular backfill)	1176	LF	\$ 970.00	\$ 1,140,720.00	\$ 560.00	\$ 658,560.00	\$ 400.00	\$ 470,400.00
3	18" Sanitary Sewer (Directional Drill)	1,809	LF	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4	48" Sanitary Manhole	205	VF	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5	48" Sanitary Manhole with Outside Drop	18	VF	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6	60" Sanitary Manhole with Inside Drop	22	VF	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7	6" Sanitary Lateral	113	LF	\$ 79.00	\$ 8,927.00	\$ 550.00	\$ 62,150.00	\$ 380.00	\$ 42,940.00
8	4" HMA Pavement Binder Course (3 MT 58-28 S)	310	TON	\$ 72.50	\$ 22,475.00	\$ 90.00	\$ 27,900.00	\$ 115.00	\$ 35,650.00
9	2" HMA Pavement Surface Course (4 MT 58-28 S)	160	TON	\$ 89.90	\$ 14,384.00	\$ 107.00	\$ 17,120.00	\$ 105.00	\$ 16,800.00
10	Lawn Restoration	850	SY	\$ 10.50	\$ 8,925.00	\$ 9.60	\$ 8,160.00	\$ 6.00	\$ 5,100.00
11	Sawcut	2,340	LF	\$ 1.00	\$ 2,340.00	\$ 3.00	\$ 7,020.00	\$ 3.00	\$ 7,020.00
12	Pavement Marking, Epoxy, 4" (Yellow)	2,930	LF	\$ 2.90	\$ 8,497.00	\$ 2.90	\$ 8,497.00	\$ 3.00	\$ 8,790.00
13	Pavement Marking, Epoxy 12-inch (Yellow)	105	LF	\$ 14.00	\$ 1,470.00	\$ 14.00	\$ 1,470.00	\$ 16.00	\$ 1,680.00
14	Pavement Marking, Epoxy, Arrow	1	EA	\$ 550.00	\$ 550.00	\$ 550.00	\$ 550.00	\$ 650.00	\$ 650.00
15	Pavement Marking, Epoxy 8-inch (White Skip)	35	LF	\$ 8.00	\$ 280.00	\$ 8.00	\$ 280.00	\$ 9.00	\$ 315.00
16	Pavement Marking, Epoxy 8-inch (White)	110	LF	\$ 8.00	\$ 880.00	\$ 8.00	\$ 880.00	\$ 9.00	\$ 990.00
17	Pavement Marking, Epoxy 4-inch (White Skip)	10	LF	\$ 2.90	\$ 29.00	\$ 2.90	\$ 29.00	\$ 3.00	\$ 30.00
18	Pavement Marking, Grooved Wet Ref Epoxy 4-inch (White)	10	LF	\$ 14.00	\$ 140.00	\$ 14.00	\$ 140.00	\$ 16.00	\$ 160.00
19	Traffic Control	1	LS	\$ 325,000.00	\$ 325,000.00	\$ 30,000.00	\$ 30,000.00	\$ 97,000.00	\$ 97,000.00
20	6" PVC C-900 Force Main	35	LF	\$ 205.00	\$ 7,175.00	\$ 300.00	\$ 10,500.00	\$ 400.00	\$ 14,000.00
SUBTOTAL PHASE 1 (ITEMS 1-20):					\$ 1,992,671.00		\$ 1,176,456.00		\$ 924,605.00
PHASE 2: CONNECTION TO SUBDIVISION AND WEST OF RAILROAD									
21	12" Sanitary Sewer (Open Cut with Spoil Backfill)	1,835	LF	\$ 210.00	\$ 385,350.00	\$ 370.00	\$ 678,950.00	\$ 920.00	\$ 1,688,200.00
22	10" Sanitary Sewer (Open Cut with Granular Backfill)	17	LF	\$ 225.00	\$ 3,825.00	\$ 588.00	\$ 9,996.00	\$ 1,250.00	\$ 21,250.00
23	24" Casing Pipe with 12" Sanitary Sewer (Jack & Bore)	147	LF	\$ 1,165.00	\$ 171,255.00	\$ 1,300.00	\$ 191,100.00	\$ 2,300.00	\$ 338,100.00
24	48" Sanitary Manhole	114	VF	\$ 498.00	\$ 56,772.00	\$ 1,000.00	\$ 114,000.00	\$ 550.00	\$ 62,700.00
25	Abandon Existing Lift Station SA233-WW1	1	LS	\$ 125,000.00	\$ 125,000.00	\$ 25,000.00	\$ 25,000.00	\$ 75,000.00	\$ 75,000.00
26	Lawn Restoration	1,200	SY	\$ 10.50	\$ 12,600.00	\$ 9.60	\$ 11,520.00	\$ 6.00	\$ 7,200.00
27	Clearing and Grubbing	1	LS	\$ 115,000.00	\$ 115,000.00	\$ 20,000.00	\$ 20,000.00	\$ 50,000.00	\$ 50,000.00
28	12-inch Gravel Access Drive	900	TONS	\$ 28.00	\$ 25,200.00	\$ 25.00	\$ 22,500.00	\$ 45.00	\$ 40,500.00
29	Geogrid (Tensar TX-7)	1,225	SY	\$ 7.00	\$ 8,575.00	\$ 7.00	\$ 8,575.00	\$ 8.00	\$ 9,800.00
30	36-inch Class IV RCP Culvert	1	EA	\$ 25,000.00	\$ 25,000.00	\$ 10,000.00	\$ 10,000.00	\$ 12,000.00	\$ 12,000.00
31	Trench Stabilization	500	LF	\$ 90.00	\$ 45,000.00	\$ 50.00	\$ 25,000.00	\$ 70.00	\$ 35,000.00

I. BID SCHEDULE				Minger Construction Co., Inc.		Advance Construction, Inc.		Super Excavators, Inc.	
Item #	Item Description	Qty.	Unit	Unit \$	Total	Unit \$	Total	Unit \$	Total
ALTERNATE BID: REPLACE ITEMS 3, 4, 5 AND 6 WITH THE FOLLOWING									
3A	18" Sanitary Sewer (Microtunneling)	1,809	LF	\$ 1,595.00	\$ 2,885,355.00	\$ 1,800.00	\$ 3,256,200.00	\$ 2,185.00	\$ 3,952,665.00
4A	48" Sanitary Manhole	205	VF	\$ 425.00	\$ 87,125.00	\$ 2,500.00	\$ 512,500.00	\$ 550.00	\$ 112,750.00
5A	48" Sanitary Manhole with Outside Drop	18	VF	\$ 725.00	\$ 13,050.00	\$ 1,600.00	\$ 28,800.00	\$ 800.00	\$ 14,400.00
5B	48" Sanitary Manhole with Outside Drop (place \$0 in unit price if NOT installing MH 1A)	46	VF	\$ -	\$ -	\$ 3,500.00	\$ 161,000.00	\$ -	\$ -
6A	60" Sanitary Manhole with Inside Drop (place \$0 in unit price if NOT installing MH 1A)	22	VF	\$ 870.00	\$ 19,140.00	\$ 1,850.00	\$ 40,700.00	\$ -	\$ -
SUBTOTAL ALTERNATE BID (ITEMS 3A-6A):				\$	3,004,670.00		\$ 3,999,200.00		\$ 4,079,815.00
TOTAL PHASE 1, 2, AND ALTERNATE:				\$	5,970,918.00		\$ 6,292,297.00		\$ 7,344,170.00

STATUS OF PROJECTS

June 5, 2019

- 1) Goldendale Road_Ph 1 Sanitary & Water; Sanitary and Water is complete, road has been paved with binder coarse of asphalt from Freistadt Rd to 25 feet south of the railroad tracks.
- 2) Goldendale Road/Holy Hill Road Sanitary Sewer Ph 2; Work is 90% complete, project encountered difficulty in blasting bedrock and blasting increased needs for dewatering. Construction of the Briggs building also created utility conflicts adding to difficulty for construction. Connection was completed to the sanitary sewer on Gateway Crossing. Contractor moved back to Goldendale Rd to complete his Goldendale Rd portion of the sanitary sewer and then will move back to complete Holy Hill Rd portion.
- 3) Goldendale Road/Holy Hill Road Water Main Ph 2; installation and pressure testing is complete, system is on-line, turf restoration during to start week of June 3, 2019.
- 4) Design of future sanitary sewer and water main to the NW corner of Holy Hill Road and Goldendale Road is complete. Site of new Dielectric facility in 2019
- 5) Design of NE Interceptor (sanitary sewer) complete, project is advertised for bid on May23, 2019. Construction to be completed in early November 2019. This serves the Wrenwood Development Area. Bids have been received for the NEI project and are presented to the PWHC June 5, 2019.
- 6) Speaker Corp sanitary and water is complete; connected to Village water system, Waste Water Utility still needs to video sanitary sewer for final acceptance
- 7) Booster station pump and associated water main have been installed, tested and placed in service. Pump is connected to Fire pump at Briggs via radio telemetry. Fire Flow tests where performed and past stringent requirements of NFPA at Briggs Facility
- 8) Design of Holy Hill Road reconstruction plans have not been started. RFP for Engineering Firm in early June 2019

- 9) Application to the WIDNR for the new well site in TID #8 (SE corner of Gateway Crossing & Rockfield Road) has been submitted. WIDNR has approved the New Well #12 site.
- 10) Water Tower design is in progress, 500,000 gal capacity.
- 11) Design to extend sanitary sewer to the East side of Goldendale Road and to Rockfield Rd area are complete. Overall sanitary Sewer system designed for the area bounded by Townline Rd, Freistadt Rd, east of Goldendale Rd @ Holy Hill Rd and to areas north of Rockfield Rd
- 12) CIIP (pipe lining) project bid on April 4, 2019 presented to PWHC May 8, 2019 for award to Lanzo Technologies. Contracts to be sent to contractor week of June 3, 2019.
- 13) Park Avenue Reconstruction; Start late June 10, 2019 with tree removal, road milling to occur week of July 1, 2019 with full construction to begin after July 4th. Project may experience a delay in the start of the sanitary sewer due to delay in permit application. Pre-Construction mtg held on May 21, 2019; Informational letter sent to residents. We-energies gas relocate complete
- 14) PP/II project--direction from MMSD received regarding approved materials for lining laterals. DPW & Engineer will send out RFP to selected Engineering firms in June 2019
- 15) Sidewalk on Hilbert Dr north of Squire Dr—Plans are complete estimate to construct summer of 2019
- 16) Sanitary Sewer and Water Main for the Dielectric site will start in early August.
- 17) Wrenwood Development_ Ph #1 to start grading with utilities to follow in mid-July 2019
- 18) Zilber Buildings #2 & #3 to begin construction in June, 2019