

VILLAGE OF GERMANTOWN
N112 W17001 MEQUON ROAD
GERMANTOWN, WI 53022

MEETING: **PUBLIC WORKS & HIGHWAY COMMITTEE**

DATE AND TIME: **WEDNESDAY, June 2nd, 2021 ***6:00 P.M.*****

LOCATION: **Germantown Village Hall Board Room**

NOTICE: Pursuant to the current recommendation of the Centers for Disease Control and Prevention limiting the size of public gatherings, capacity within the Board Room will be limited. Members of the body and citizens may also attend the meeting virtually through the WebEx platform, Meeting #182 464 2545 Password: jdY3MJide82 which can be accessed by phone at 408-418-9388 or by logging on

<https://villageofgermantown.my.webex.com/villageofgermantown.my/j.php?MTID=m48be2ef05441e81cabd5f19df4c25378>

Citizens not wishing to attend the meeting personally or virtually may submit any public comments by sending an email to comments@village.germantown.wi.us by 4 p.m. on the day of the meeting so that it can be provided to the members of the body for their consideration.

- 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 Hudson, Miller, and Neureuther
- III. **APPROVAL OF MINUTES:** May 5, 2021
- 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. Mequon Road Street Lighting – Lighting Material Purchase
- VI. **NEW BUSINESS:**
 - A. Consideration of Utility Credit – W159 N9809 Butternut Road
 - B. Resolution – Adopting 2020 CMAR (Compliance Maintenance Annual Report)
 - C. Consideration of Invoice – D.F. Tomasini
 - D. HVAC – Wells #2, #5 & #7
 - E. Concept Plan – Mass Meter Install
 - F. Bell Museum Painting Project
 - G. Dheinsville Park – Parking Lot Paving
 - H. Sidewalk on Division Road – Dotty Way to south of Wendy Lane

- I. Medians at Railroad Crossing – Freistadt Road
- J. R.O.W. Acquisition – Century Lane

VII. PROJECTS UPDATE:

VIII. NEXT MEETING DATE: Set July, 2021 Meeting Date and Time

IX. 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.

PUBLIC WORKS & HIGHWAY COMMITTEE MEETING MINUTES

May 5, 2021

Virtual WebEx & Village Hall Board Room

CALL: Chm. Kaminski called the meeting to order at 6:00 p.m.

ROLL CALL: Chm. Kaminski, Trustee Members Hudson, Miller (absent & excused) and Neureuther. Also present were Dir. Ratayczak, and Secretary Wick.

APPROVAL OF MINUTES: MOTION made by Hudson, seconded by Kaminski to approve the Minutes of April 13, 2021.

Motion carried unanimously.

PUBLIC COMMENT: None

INTRODUCE ENGINEERING DEPARTMENT CIVIL ENGINEER: Dir. Ratayczak introduced the Village's Civil Engineer Eli Brulla who began employment December 28, 2020.

DUMP BODY PURCHASE – HIGHWAY DEPARTMENT: Supt. Anderson requested authorization to purchase a dump body for the recently retired Ford F450 from the Fire Department. This vehicle was given to the Highway Department to repurpose and convert the ambulance to a 1 - 1/2 ton single axle dump truck. Once de-converted by staff, the chassis will be sent out where they will install the newly purchased equipment. Bids were received ranging from \$17,275.00 to \$22,865.00. Staff recommended Casper's noting their product would best suit the needs of the Village and provide the longevity based on how it is constructed.

MOTION made by Hudson, seconded by Neureuther to forward to the Village Board with a positive recommendation authorizing the purchase of one dump body for a converted ambulance from Casper's Truck & Equipment for an amount not to exceed the budgeted amount of \$20,000. Funds to be allocated from Acct. #10-542-570-8100.

Motion carried unanimously.

GRANT FUNDING – FLUORIDE EQUIPMENT: Supt. Haugen reported the Utility was contacted by the State of WI – Department of Health Services several months ago inquiring of the Village's interest in participating in a Fluoride Grant Program to aid utilities for the purchase, replacement, and upgrade of fluoride equipment. Staff requested participation in the Grant Program and reported the Village would be awarded \$49,276. 00. Invoices for purchases must be dated no later than June 30th, 2021 to qualify for the Grant money. Refunds back to the Village should be within 60-90 days.

MOTION made by Hudson, seconded by Neureuther to forward to the Village Board with a positive recommendation authorizing Village staff to purchase chemical analyzing equipment and programming costs under the State of WI – Department of Health Services Grant Program not to exceed \$49,276.00. Funds to be allocated from Acct. #50-732-530-6510 and will be refunded by the State when invoices are submitted.

Motion carried unanimously.

RECYCLING CENTER MATERIAL PROCESSING – BLANKET PURCHASE ORDER:

Supt. Zimmerman requested authorization to prepare a blanket purchase order with Enercon for an amount not to exceed the budgeted amount of \$30,000 for 8.25 days of wood material processing at the Recycling Center.

MOTION made by Neureuther, seconded by Hudson to forward to the Village Board with a positive recommendation to approve the allocation of an amount not to exceed \$30,000 in the form of a blanket purchase order to Enercon for the continuing material processing at the Recycling Center. Funds to be allocated from Acct. #10-546-530-7960.

Motion carried unanimously.

MANHOLE REPAIR SUPPLIES – FERGUSON WATERWORKS – BLANKET PURCHASE ORDER:

Supt. Zimmerman request authorization to prepare a blanket purchase order to Ferguson Waterworks for an amount not to exceed \$25,000 for miscellaneous manhole repair materials to be utilized for the 2021 roads project and other areas throughout the system.

MOTION made by Hudson, seconded by Neureuther to forward to the Village Board with a positive recommendation to approve the allocation of an amount not to exceed \$25,000 in the form of a blanket purchase order to Ferguson Waterworks for the purchase of manhole repair materials. Funds to be allocated from Acct. #60-830-530-8313.

Motion carried unanimously.

COLLECTION SYSTEM REPAIR/SUPPLIES – CORE AND MAIN – BLANKET PURCHASE ORDER:

MOTION made by Hudson, seconded by Kaminski to forward to the Village Board with a positive recommendation to approve the allocation of an amount not to exceed \$16,000 in the form of a blanket purchase order to Core & Main for the purchase of Ladtech HDPE manhole adjusting rings and other miscellaneous materials. Funds to be allocated from Acct. #60-830-530-8313.

Motion carried unanimously.

INTERNAL/EXTERNAL SEALS – ADAPTOR INC. – BLANKET PURCHASE ORDER:

MOTION made by Hudson, seconded by Neureuther to forward to the Village Board with a positive recommendation to approve the allocation of an amount not to exceed \$20,000 in the form of a blanket purchase order to Adaptor Inc. for the purchase of internal/external manhole chimney seals and extensions to be utilized for the 2021 roads project and other areas throughout the system. Funds to be allocated from Acct. #60-830-530-8313.

Motion carried unanimously.

DEVELOPER AGREEMENT – HERITAGE PARK NORTH: Dir. Ratayczak submitted the revised Developer Agreement for Heritage Park North which was originally brought forth and approved by a different developer but never executed. The new developer, Home Path Financial has now acquired the property and has requested to move forward with the execution of the revised Developer Agreement. The development located on the northeast corner of Division Road and Revere Lane will include sanitary sewer, water main, storm sewer, walkway on Division Road and urban streets. Revisions to the revised agreement included the developer's name change and updated financial costs. The revised Agreement had been reviewed by the Village's attorney.

MOTION made by Neureuther, seconded by Kaminski to forward to the Village Board with a positive recommendation to approve the Heritage Park North Developer Agreement upon insertion of Exhibit C (Labor/Equipment Rates) and Exhibit D (Financials).

Discussion continued. Cluster mailboxes were the requirement of the U.S. Postal Service. The developer will be allowed to build two (2) model homes prior to acceptance of Final Plat approval. No occupancy permits will be issued until the final plat approval. Trustee Hudson suggested the removal of 4 to 6 foot wide asphalt walkway paths requirement in Sec. 1.08 and change it to a 6 foot wide pathway requirement. Dir. Ratayczak would investigate further and believed the 4 foot wide pathway requirement was for the area in which an existing home protruded in the right of way near the developments entrance.

Motion carried unanimously.

DEVELOPER AGREEMENT – CAPSTONE:

MOTION made by Kaminski, seconded by Hudson authorizing staff to postpone discussion of the Capstone Developer Agreement until a future Public Works Committee meeting.

Motion carried unanimously.

GERMANTOWN GATEWAY CORPORATE PARK – RELEASE OF DEVELOPER AGREEMENT: Dir. Ratayczak noted the Village Attorney had requested Committee review of the partial release and modifications to the developer agreement for the first development in the Gateway Corporate Park. The Village Attorney researched and confirmed all work requirements of this agreement were completed and accepted. It does not release any other guarantees that may have been established as part of the agreement.

MOTION made by Hudson, seconded by Kaminski to forward to the Village Board with a positive recommendation to approve the partial release of the Gateway Corporate Park Developer Agreement.

Motion carried unanimously.

MS4 ANNUAL REPORT: Dir. Ratayczak submitted for review and approval the WPDES and MMSD Chapter 13 Annual Reports.

MOTION made by Neureuther, seconded by Hudson to forward to the Village Board with a positive recommendation to approve the submittal of the year 2000 WPDES MS4 Annual Report to the Wisconsin DNR.

Motion carried unanimously.

AWARD OF CONTRACT – EMC SIGN: Dir. Ratayczak reported two bids were received ranging from \$53,080 to \$61,730 for the electronic message center (EMC) two-sided aluminum sign cabinet. Visual drawings along with an explanation were provided to the Committee. The bid included the electrical work. Masonry work would be completed by another contractor. Discussion continued noting the following; Trustee Hudson voiced concern of the 15' height and width. The masonry colors did not appear to match that of the Village Hall & Library. Dir. Ratayczak stated the color selection topic would be addressed at the Building, Construction Oversight Committee. The drawing presented showed more of a pattern and not a true representation of the color. Color selection will blend to match the two buildings as close as possible. The size of signage would not be changed as it was necessary to fit the information requested. It was decided the 4'x8' screen gave the best visibility with the high traffic volume along Mequon Road. Funds were budgeted for this project and the Library Board will commit to contribute funds toward the project. Overall cost of the EMC sign including masonry and plantings were approximated at \$70,000.

MOTION made by Hudson, seconded by Neureuther to forward to the Village Board with a positive recommendation to award a contract to Lemberg Electric in the amount of \$53,080 for the EMC (Electronic Message Center) two-sided aluminum sign cabinet located at Village Hall/Library.

Motion carried unanimously.

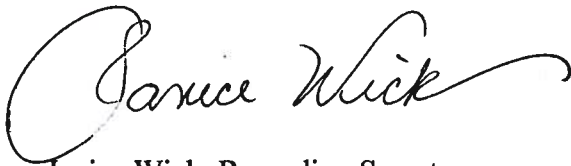
RAILROAD CROSSING – FREISTADT ROAD – DISCUSSION: Dir. Ratayczak reported a final notice was received from the State Commissioner of Railroads regarding the adequacy of warning devices and the alteration of the public crossing of the WI Southern Railroad tracks on Freistadt Road east of Maple Road. In 2014, due to numerous accidents occurring at the intersection of Freistadt and Maple Roads, a study was conducted, and alternatives were presented. Of the three alternatives there was decision to re-stripe the pavement to create two 6" bile lanes, two 12' travel lanes and a 14' wide TWLTL (two way left turn lane) down the center. What the TWLTL created was a through lane through the railroad gates when down. The Railroad recognized this safety issue and required the Village to paint yellow diagonal crosshatch markings on both sides of the Freistadt Road crossing by May 1st of this year. This request was completed by the Highway Department. The second request by the Railroad Commission required the Village to file a petition for alteration of the Freistadt Road crossing by either extending the barricades or modifications made May 15th, 2021. The Village Attorney is working on drafting and filing the petition to the WSOR.

PROJECTS UPDATE: Dir. Ratayczak provided the Committee with a list of Village projects with associated updates and answered questions.

ANNOUNCEMENTS: None

NEXT MEETING DATE: The next Public Works and Highway Committee meeting will be held Wednesday, June 2, 2021 at 6:00 p.m.

ADJOURNMENT: There being no further business, the meeting was adjourned at: 6:44 p.m.

A handwritten signature in black ink, reading "Janice Wick". The signature is fluid and cursive, with a large loop at the beginning and a long, sweeping tail.

Janice Wick, Recording Secretary

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

MEETING DATE: June 2nd, 2021

AGENDA ITEM: New Business

ITEM TITLE: Mequon Road Street Lighting Material Purchase

SUBMITTED BY: Scott Anderson: Highway, Parks, Building & Grounds Superintendent

SUMMARY EXPLANATION:

As the Mequon Road corridor street lighting replacement project continues, staff is seeking permission to purchase the lighting materials directly from the manufacturer's representative and supply those materials to the installation contractor who will be selected and approved by this committee at a later date. Staff previously attended meetings including Public Works Committee and Plan Commission to gain input into the project. The Village has received pricing from Holophane and Sternberg representatives, both of which have products that meet our requirements and incorporate input from the meetings. By direct purchasing, the Village will save the sales tax and any mark-up that would have been added by the contractor. Additionally, we will be able to award sooner, which should keep the project on track for completion by the end of the 2021 construction season. This purchase will be for the lighting materials only (poles, bases, arms, and fixtures) all other materials used for the underground or construction portion of the project will be part of the bidding documents and supplied by the contractor directly.

It is important to note that staff is aware that the timing of this purchase is extremely important. While we are seeking approval to purchase, staff understands that the cost of the pole materials must remain within budget when added to the cost of the contract for installation. The hope is that by gaining approval this evening, we will be able to purchase the requested materials as soon as we have pricing from the contractors for installation and know for sure that we are within budget.

As a reminder, the total project budget was \$400,000.00 and is reflected in the Highway Department budget as a capital improvement. Previously, committee and board approved the recommended \$20,000.00 contract with Traffic Engineering Services for design and construction oversight. The remaining project budget is \$380,000.00.

Hein Electric Supply Company (Sternberg) \$150,326.08

Revere Electric Supply (Holophane) \$204,974.56

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER X

RECOMMENDATION:

Staff recommends the purchase of the Sternberg street lighting poles, pole bases, pole arms, and fixtures from Hein Electric Supply Company in an amount not to exceed \$150,326.08. If approved, the funds shall be allocated from Highway capital account: 40-542-570-8850.

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.

Client: Village of Germantown
 Project Location: Mequon Road, Division Street to Western Avenue
 Prepared By: Traffic Engineering Services, Inc. (262) 797-9097
 TES Project No: 21-E-17

see notes on cover page and Hein formal quote regarding pole and head part numbers
 quoted 64 heads, two for each pole

ITEM	DESCRIPTION	MANUFACTURER	PART NO.	UNIT	QUANTITY	UNIT COST	TOTAL
1	Pole - 30', Special	Holophane	NYA 30 SL6C05 BK LAB	Each	32		
		Sternberg	9330SRSS-RPBP/BK			1948.67	62357.44
2	Twin Bracket, with 6' Arm	Holophane	WLC 72in 2A TN BK & WLDF QSM BK	Each	32		
		Sternberg	FFA6/BK			688.71	22038.72
3	Luminaire, LED	Holophane	ESLP35S 40LK MVOLT TG3QSM BK AO L03	Each	64		
		Sternberg	2A-1914LED-4L30T3-MDL12-G-HSHS/BK			1027.33	65749.12
4	Anchor Bolts, 1 x 40 WL	Holophane	1" x 40' with "L" AB's	Each	16		
		Sternberg	1" x 40' with "L" AB's			11.3	180.8
5	Delivery From Date of Order	Holophane					
		Sternberg	10-12 WEEKS AFTER APPROVAL DWGS. RELEASED				

Bid Response To:

Scott Anderson
 Village of Germantown
 Email: sandreson@village.germantown.wi.us

Bids Due: Tuesday, May 25, 2021 by 3:00 pm

Response By:

Name
 Company
 Phone
 Email

Ron Reinowski

Hein Electric Supply Co.

414-791-1020

ronr@hein.com

Printed Name / Title

Ron Reinowski / VICE PRESIDENT

Signature:



Date:

5-25-21

Additional Bid Information:

Most of the street lighting existing concrete bases are being reused for the new lighting system. The proposed materials must work with the existing. Median mounted 30-foot painted black steel pole on 12-inch bolt circle with black decorative twin arms 6 foot and black luminaire housing, type III distribution and LED lamps 3000K with black steel decorative octagonal base approximately 17 inches high.

The anchor bolts for base shall be minimum 1 inch by 40 inches including "L".

The IES minimum lighting level shall be maintained 1.2-foot candles on roadway.

Dirt factor is to be 15 % reduction from initial lumens.

A plot of foot candles for the average spacing of 160 feet shall be furnished.

The typical roadway is 2-11 foot traveled lanes in each direction with 28-foot median.

There are 11 foot left and right turn lanes adjacent to the through lanes.

Pedestrians on the 5-foot sidewalk 7 feet from the right turn lane shall have minimum IES levels without excessive side light off right of way.

The enclosed sketches show expected pole, arms, and luminaire. Luminaire is to operate on 120 volts.

Initial startup voltage is to be included with bid.

It is felt that the part numbers define the lighting unit along with pictures.

An option may be exercised to add a unit for inventory.

Delivery is to Village of German Town at Haupt Strasse Skate Park on Main Street between Division Road and Western Avenue.

The Village will assist with unloading the poles. Trucker should call day before to schedule delivery, (414) 915-1663 and unloading.

CONCEPTUAL

34'-1 3/4"

30'

13'-9 1/2"

6'

1914LED FIXTURE

POLE DIAMETER IS 5" AND THE BOLT CIRCLE IS 12"

STRAIGHT SMOOTH POLE

HN17AC BASE

REV	REVISIONS	DATE	RVSD
A	ORIGINAL	5/19/21	
B	UPDATED PART NUMBER	5/25/21	JG

MEQUON ROAD
GERMANTOWN, WI

2A-1914LED-3L30T3-MDL08-G-HSHS/FFA6/HN17AC30SRSS/BK

JG

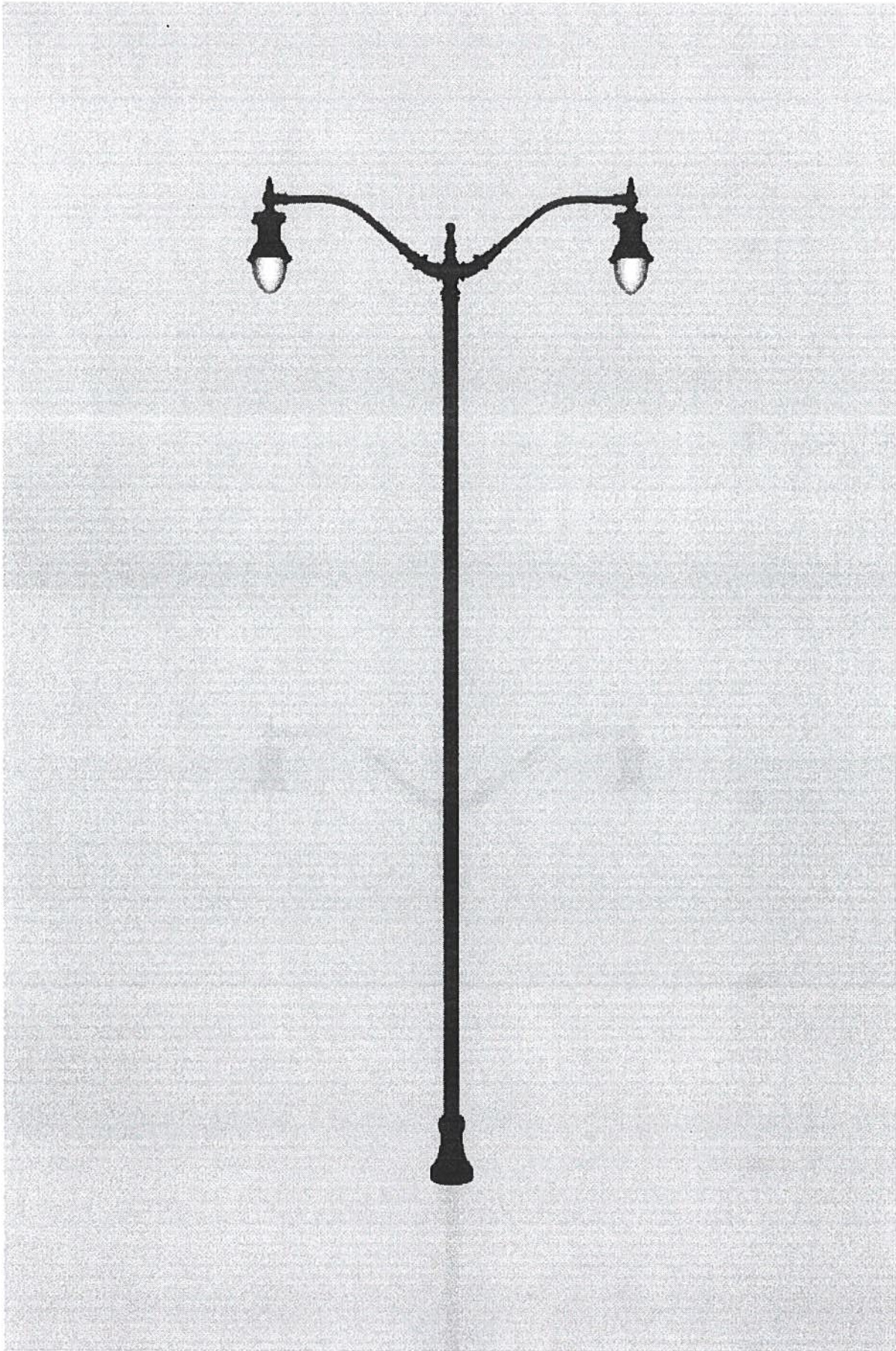
SCALE

POLE HEIGHTS HAVE A TOLERANCE OF + OR - 2"

SternbergLighting
ESTABLISHED 1933 / EMPLOYEE

DRAWING NUMBER
SC38925

	REV	REVISIONS		DATE	RVS#D		MEQUON ROAD GERMANTOWN, WI	JG
A		ORIGINAL		5/19/21				
B		UPDATED PART NUMBER		5/25/21	JG		2A-1914LED-3L30T3-MDL08-G-HSHS/FFA6/HN17AC30SRSS/BK	
							Pole Heights Have A Tolerance Of + OR - 2"	DRAWING NUMBER SC38925
							SternbergLighting ESTABLISHED 1935 / EMPLOYEE	



Client: Village of Germantown
 Project Location: Mequon Road, Division Street to Western Avenue
 Prepared By: Traffic Engineering Services, Inc. (262) 797-9097
 TES Project No: 21-E-17

ITEM	DESCRIPTION	MANUFACTURER	PART NO. ^{21-E-17}	UNIT	QUANTITY	UNIT COST	TOTAL		
1	Pole - 30', Special	Holophane	MYA 30 SL6C05 BK LAB	Each	32	\$3,110.90	\$99,548.80		
		Sternberg	9330SR55-RBP/BK						
2	Twin Bracket, with 6' Arm	Holophane	consists of (1 pc) WLC 72in 2A TN BK & (2 pcs) WLDF QSM BK	Each	32	\$1,193.65	\$38,196.80		
		Sternberg	FFA6/BK						
3	Luminaire, LED	Holophane	ESLP355 40LK MVOLT TG3QSM BK AO L03	Each	64	\$1,029.12	\$65,863.68		
		Sternberg	2A-1914LED-4130T3-MDL12-G-HSHS/BK						
4	Anchor Bolts, 1 x 40 WL	Holophane	1" x 40" with "L" AB's	Each	16	\$85.33	\$1,365.28		
		Sternberg	1" x 40" with "L" AB's						
5	Delivery from Date of Order	Holophane	8-10 WEEKS						
		Sternberg							

Bid Response To:

Scott Anderson
 Village of Germantown
 Email: sandreson@villagegermantown.wi.us

Bids Due: Tuesday, May 25, 2021 by 3:00 pm

Response By:

Name
 Company
 Phone
 Email

Printed Name / Title

Signature:

Date:

Chris Smith
 Revere Electric Supply
 262-994-0667 cell / 262-635-5050 office
 csmith@reverelectricsupply.com

Senior Lighting Specialist

5/24/2021

Additional Bid Information:

Most of the street lighting existing concrete bases are being reused for the new lighting system. The proposed materials must work with the existing.

Median mounted 30-foot painted black steel pole on 12-inch bolt circle with black decorative twin arms 6 foot and black luminaire housing, type III distribution and LED lamps 3000K with black steel decorative octagonal base approximately 17 inches high.

The anchor bolts for base shall be minimum 1 inch by 40 inches including "L".

The IES minimum lighting level shall be maintained 1.2-foot candles on roadway.

Dirt factor is to be 15 % reduction from initial lumens.

A plot of foot candles for the average spacing of 160 feet shall be furnished.

The typical roadway is 2-11 foot traveled lanes in each direction with 28-foot median.

There are 11 foot left and right turn lanes adjacent to the through lanes.

Pedestrians on the 5-foot sidewalk 7 feet from the right turn lane shall have minimum IES levels without excessive side light off right of way.

The enclosed sketches show expected pole, arms, and luminaire. Luminaire is to operate on 120 volts.

Initial startup voltage is to be included with bid.

It is felt that the part numbers define the lighting unit along with pictures.

An option may be exercised to add a unit for inventory.

Delivery is to Village of German Town at Haupt Strasse Skate Park on Main Street between Division Road and Western Avenue.

The Village will assist with unloading the poles. Trucker should call day before to schedule delivery. (414) 915-1663 and unloading.

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

MEETING DATE: 2 June 2021

AGENDA ITEM: New Business

ITEM TITLE: Consideration of Utility Credit – W159N9809 Butternut Rd.

SUBMITTED BY: Timothy K. Zimmerman – Wastewater Superintendent

SUMMARY EXPLANATION:

This issue was brought to my attention from the Water Utility based on an unusual circumstance. A softener regeneration switch was stuck open for an extended period while the resident of the home was confined in a hospital for an extended period. Finding of fact, shows the high consumption on the meter data and that the water never entered the sanitary sewer, but was instead discharged to a sump crock in the basement. The surface discharge of gray water is a violation of both State plumbing code and Village ordinance. Mr. Krause was informed of this and that corrective action needed to be taken on that discharge prior to any credit given. He was also informed that if he did not agree with this, he could request to be heard at the next Public Works and Highway Committee meeting (April 13, 2021). The request was never brought forward for that meeting.

ATTACHMENT: ORDINANCE____ RESOLUTION____ OTHER X

RECOMMENDATION:

Staff concurs with the statements brought forth by Mr. Krause and recommends a correction for the first quarter water and sewer bill equal to the prior 5 quarters average. Staff also recommends that the credit not be issued until the gray water discharge for regeneration is removed from the clear water crock and redirected to the sanitary sewer and that these corrections are inspected by the Village Building inspector.

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.

VILLAGE OF GERMANTOWN

PO BOX 337 GERMANTOWN WI 53022

Utility Bill

(262) 250-4703

KENNETH KRAUSE
W159 N9809 BUTTERNUT RD
GERMANTOWN WI 53022

Account Number:	0034419400-00	Total Outstanding Balance:	469.42+
Service Address:	W159 N9809 BUTTERNUT RD		
Bill Date:	03/31/2021		
Due Date:	04/20/2021		
Service to:	03/08/2021		

Service	Current Read	Type	Usage	Amount
Previous Balance				277.89
WATER	1187	A	45	118.32
SEWER	1187	A	45	351.10
FIRE PRO	0		0	.00

Bill Total	747.31
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Amount Due This Bill	469.42
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REPLACEMENT UTILITY BILL PRINTED FOR SERVICES AT W159 N9809 BUTTERNUT RD

READ DATES

USAGE(PER THOUSAND GAL)

12/11/2019	8
3/11/2020	8
6/10/2020	10
9/9/2020	9
12/9/2012	28

TOTAL	63
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AVERAGE	12.6
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3/8/2021	45
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GAL FOR CREDIT	32.4
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WATER CREDIT	\$1.67	\$54.11
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SEWER CHARGE x AVER	\$6.92	\$87.14
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ORG SEW BILL AMOUNT	\$351.10
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SEWER CREDIT	\$263.96
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262-251-2127

Bonnie Krause-Kapalczynski
c/o Kenneth L. and Lyora T. Krause
W159 N9809 Butternut Road
Germantown, Wisconsin 53022
20 May 2021

Board of Village of Germantown
Attn: Mr. Dean Wolter, President
N112 W17001 Mequon Road
Germantown, WI 53022

- And -

Utility Advisory Committee
Attn: Rick Miller, Chairperson / Village Trustee
N112 W17001 Mequon Road
Germantown, WI 53022

HAND-DELIVERED BY KENNETH L. KRAUSE and LYORA T. KRAUSE

In re: Village of Germantown Occupant(s): Kenneth L. and Lyora T. Krause
Home-of-Record: W159N9809 Butternut Road, Germantown, WI 53022
Public Works Water and Sewer Utility Quarterly Bill (4th Qtr-20' & 1st Qtr-21')

To whom it may concern,

Please accept this letter as my written application on behalf of the above-named Village of Germantown ("VOG") property owners/customers for forgiveness consideration and relief to certain undetected water losses. Water districts/municipalities offer this kind consideration and forgiveness for causes such as, but not limited to, sprinkler systems, water service leaks, internal plumbing problems, malfunctions, component part failures, end-of-life failures, etc. resulting in high water and/or excess consumption for classification type of use: Single-Family Resident, and other classification types.

It is my understanding different utilities use different units for measuring water use. The most common units are centum cubic feet (CCF) and the gallon. A CCF also called an HCF (hundred cubic feet), represents one hundred cubic feet of water. The normal consumption for this property can be determined by averaging 2-yrs. of historical quarterly billing account consumption totals excluding quarters at issue (e.g. (4th Qtr-20' & 1st Qtr-21')). Citing EPA.gov website, some utilities provide graphs explaining household usage over the course of the year and previous years.

Based upon the average usage trend, please provide an allowance of X. Adjust the household's water/sewerage account accordingly, to include but not limited to, any and all late charges, interest, and/or fees. Proof of repair can be provided, if required. A water softening brine reclaim system has been installed for water conservation and reuse.

EXAMPLE:

Quarterly Account Total Consumption, including water loss (Anomalies)

(4th Qtr - 20')

150,000 gals.

(1st Qtr - 21')

250,000 gals.

Average Normal Quarterly Consumption

25,000 gals.

Forgiveness Consideration/Credit/

350,000 gals.

RELIEF REQUESTED:

The customer is contesting the water and sewer bill for the period of time:

4th Quarter, Year 2020

- And -

1st Quarter, Year 2021

Request to have water usage reduce from _____ CCF (Gallons) to CCF (Gallons)

- To be determined with the assistance of the Village of Germantown Water/Sewage District

BACKGROUND

Excess water usage was attributed to:

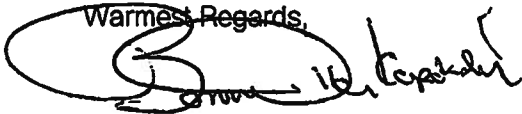
- a) Water Softener regeneration failure caused by a defective regeneration timer/control switch. Since the timer was broken, it ran constantly, non-stop causing excess water usage/continuous water softener draining; it was stuck in regeneration mode, causing the water softener to cycle continuously and;
- b) HIPAA protected medical issues. Both dwellers were in and out of the hospital with extended stays during this period-of-time when malfunction/failure occurred; and
- c) Other Family Members were unaware of the problem and/or would be unable to diagnosis any issues and/or didn't have the where-with-al to make an assessment of a problem.

CLOSING

I was unable to locate Village of Germantown's Administrative Code(s). Municipalities are granted the authority to establish, adjust, levy, collect and abate charges. Grants and financial assistance, in accordance with Chapter 281, Wisconsin Statutes, *Water and Sewage*, are conferred regularly. Do you have goodwill policies and/or mandated water leak adjustment policies mandated by Wisconsin public service commission, which are available for public viewing? My contact information is referenced above. Please send me a copy of every and all policies/regulations/memorandum(s), etc. regarding this subject matter.

Thank you in advance for your time and professional courtesies.

Warmest Regards,



Bonnie Krause-Kapalczynski
Fiduciary for Kenneth L. and Lyora T. Krause

bkk/bkk

cc: Kenneth L. and Lyora T. Krause

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

MEETING DATE: 2 June 2021

AGENDA ITEM: New Business

ITEM TITLE: Resolution Adopting 2020 Compliance Maintenance Annual Report
(CMAR)(DNR)

SUBMITTED BY: Timothy K. Zimmerman – Wastewater Superintendent

SUMMARY EXPLANATION:

I am presenting for your review the 2020 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 2020 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. ____-21

A RESOLUTION ADOPTING THE 2020 WISCONSIN POLLUTION DISCHARGE
ELIMINATION SYSTEM COMPLAINT MAINTENANCE ANNUAL REPORT

WHEREAS, by the action taken in Resolution NO. ____-21, 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 21, 2021

Vote: Ayes: _____ Nays: _____ Absent: _____

Dean M. Wolter, Village President

ATTEST:

Deanna L. Braunschweig, WCMC/CMC
Village Clerk

Compliance Maintenance Annual Report

Germantown Sewage Collection System

Last Updated: Reporting For:
5/26/2021 2020

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: 2020 ● 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)		0
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: 2020 ● 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 \$ 827,319.15 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 \$ 827,319.15 3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.) \$ 60,235.85 +		

Compliance Maintenance Annual Report

Germantown Sewage Collection System

Last Updated: Reporting For:
5/26/2021 2020

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

3.2.6.1 below*)

- \$ 509,840.00

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

\$ 377,715.00

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.

Purchase of a new combination sewer cleaner \$509,840.00

3.3 What amount should be in your Replacement Fund? \$ 125,000.00

Please note: If you had a CWFPP 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 remediatio	375000	2022
2	48" Interceptor Rhabilitation 7240 lin. ft. 2021 cost 2.576 million	2576000	2021
3	Removal of Lift 2	400000	2023

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: 9

Compliance Maintenance Annual Report

Germantown Sewage Collection System

Last Updated: Reporting For:
5/26/2021 2020

	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	68,394	
February	58,560	
March	60,449	
April	68,782	
May	55,110	
June	58,918	
July	46,564	
August	43,741	
September	40,426	
October	43,352	
November	41,394	
December	47,097	
Total	632,787	0
Average	52,732	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:

Compliance Maintenance Annual Report

Germantown Sewage Collection System

Last Updated: Reporting For:
5/26/2021 **2020**

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?

Replace lighting with LED as needed.

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

Compliance Maintenance Annual Report

Germantown Sewage Collection System

Last Updated: Reporting For:

5/26/2021

2020

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

☐ 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

☐ No (30 points)

☐ 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:

- Comply with the conditions of the WPDES permit
- Minimize the occurrence of preventable overflows
- Minimize the life cycle ownership costs of the collection system assets
- Improve or maintain the level of customer service
- Improve or maintain system reliability
- Reduce the potential threat to human health from sewer overflows
- Provide adequate capacity to convey peak flow
- Manage infiltration and inflow

Did you accomplish them?

☒ Yes

☐ 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

Compliance Maintenance Annual Report

Germantown Sewage Collection System

Last Updated: Reporting For:

5/26/2021

2020

☒ 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
- ☒ 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/74/Village-of-Germantown---Development-Ha>

<http://www.village.germantown.wi.us/DocumentCenter/View/3639/Sanitary-Manhole-and-Sampling-Manhol>

☒ 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:

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	12.3	% of system/year
Root removal	0	% of system/year
Flow monitoring	100	% of system/year
Smoke testing	0	% of system/year
Sewer line televising	4.2	% of system/year
Manhole inspections	4.3	% of system/year
Lift station O&M	210	# per L.S./year

Manhole rehabilitation

Compliance Maintenance Annual Report

Germantown Sewage Collection System

Last Updated: Reporting For:
5/26/2021 2020

	.004	% of manholes rehabbed
Mainline rehabilitation	.0020	% of sewer lines rehabbed
Private sewer inspections	0	% of system/year
Private sewer I/I removal	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:

Due to COVID 19 Manhole and Mainline maintenance were suspended except for emergency response for the first 6 months of the pandemic. Staff was rotated out on a two week basis for sustainability reasons. We were operating at minimum staffing. Lift station O&M became the main focus during this time.

3. Performance Indicators

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

29.71	Total actual amount of precipitation last year in inches
34.89	Annual average precipitation (for your location)
107.97	Miles of sanitary sewer
9	Number of lift stations
0	Number of lift station failures
0	Number of sewer pipe failures
7	Number of basement backup occurrences
1	Number of complaints
3.542	Average daily flow in MGD (if available)
4.857	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)
0.06	Basement backups (number/sewer mile)
0.01	Complaints (number/sewer mile)
1.4	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) OVERFLOWS REPORTED **

Date	Location	Cause	Estimated Volume
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)

Compliance Maintenance Annual Report

Germantown Sewage Collection System

Last Updated: Reporting For:
5/26/2021 2020

5.1 Was infiltration/inflow (I/I) significant in your community last year? ☐ Yes ☒ No If Yes, please describe:	
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

Compliance Maintenance Annual Report

Germantown Sewage Collection System

Last Updated: Reporting For:
5/26/2021 2020

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)

Compliance Maintenance Annual Report

Germantown Sewage Collection System

Last Updated: Reporting For:
5/26/2021 2020

Resolution or Owner's Statement

Name of Governing Body or Owner:	Village of Germantown - Village Board
Date of Resolution or Action Taken:	2021-06-21
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

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

MEETING DATE: June 2, 2021

AGENDA ITEM: New Business

ITEM TITLE: DF Tomasini - Payment of Invoice

SUBMITTED BY: Paul Haugen, Water Utility Superintendent

SUMMARY EXPLANATION:

- The valve work was required ahead of the Village's 2021 capital asphalt project. Unfortunately, the open PO that was approved by the Village Board only had \$25,000.00 in the account to spend. We found other valves that needed to be replaced and I exceeded my spending limit.
-

ORDINANCE _____ RESOLUTION _____ OTHER _____ **ATTACHMENT:**

RECOMMENDATION:

Staff recommends paying the invoice of \$10,201.00 from DF Tomasini from account # 50-180-183-3480

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.

DFTOMASINI, INC.
CONTRACTORS
262/820-8300

N70 W25176 INDIAN GRASS LANE, SUSSEX, WI 53089
FAX 262/820-8400
dft@dftomasini.com

May 4, 2021

Village of Germantown
N122W17177 Fond du Lac Ave.
Germantown, WI 53022

Attn: Paul Haugen

Re: N107W16120 Creek Terrace Ct.
DFT #2181-26

The following is our billing for a valve repair, per your direction, at the above referenced location.

LABOR & EQUIPMENT:

32.5 Hrs	Foreman/Operator (4/20/21)	\$100.00	\$3,250.00
7.5 Hrs	Foreman/Operator Premium Time	40.00	300.00
9.5 Hrs	Laborer (4/20/21)	94.00	893.00
1.5 Hrs	Laborer Premium Time	37.00	55.50
10.5 Hrs	Backhoe	90.00	945.00
8.5 Hrs	2" Electric Pump & Generator	25.00	212.50
10.5 Hrs	OSHA Repair Shield	35.00	367.50
11.0 Hrs	Pickup Truck w/ Misc. Hand Tools	60.00	660.00
3.0 Hrs	Truck (Quad)	70.00	210.00
2.0 EA	Equipment Moves	350.00	700.00
	Total Labor & Equipment		<u>\$7,593.50</u>

MATERIALS & SUBCONTRACTORS

1 LS	Fuel	\$235.81	\$235.81
1 LS	Slurry	1,937.28	<u>1,937.28</u>
	Subtotal Materials		\$2,173.09
	Markup on Materials		<u>434.41</u>
	Total Materials & Subcontractors		<u>\$2,607.50</u>

TOTAL AMOUNT DUE

\$10,201.00

Please let me know if you have any questions regarding the information provided

Sincerely,
D.F. TOMASINI CONTRACTORS, INC.

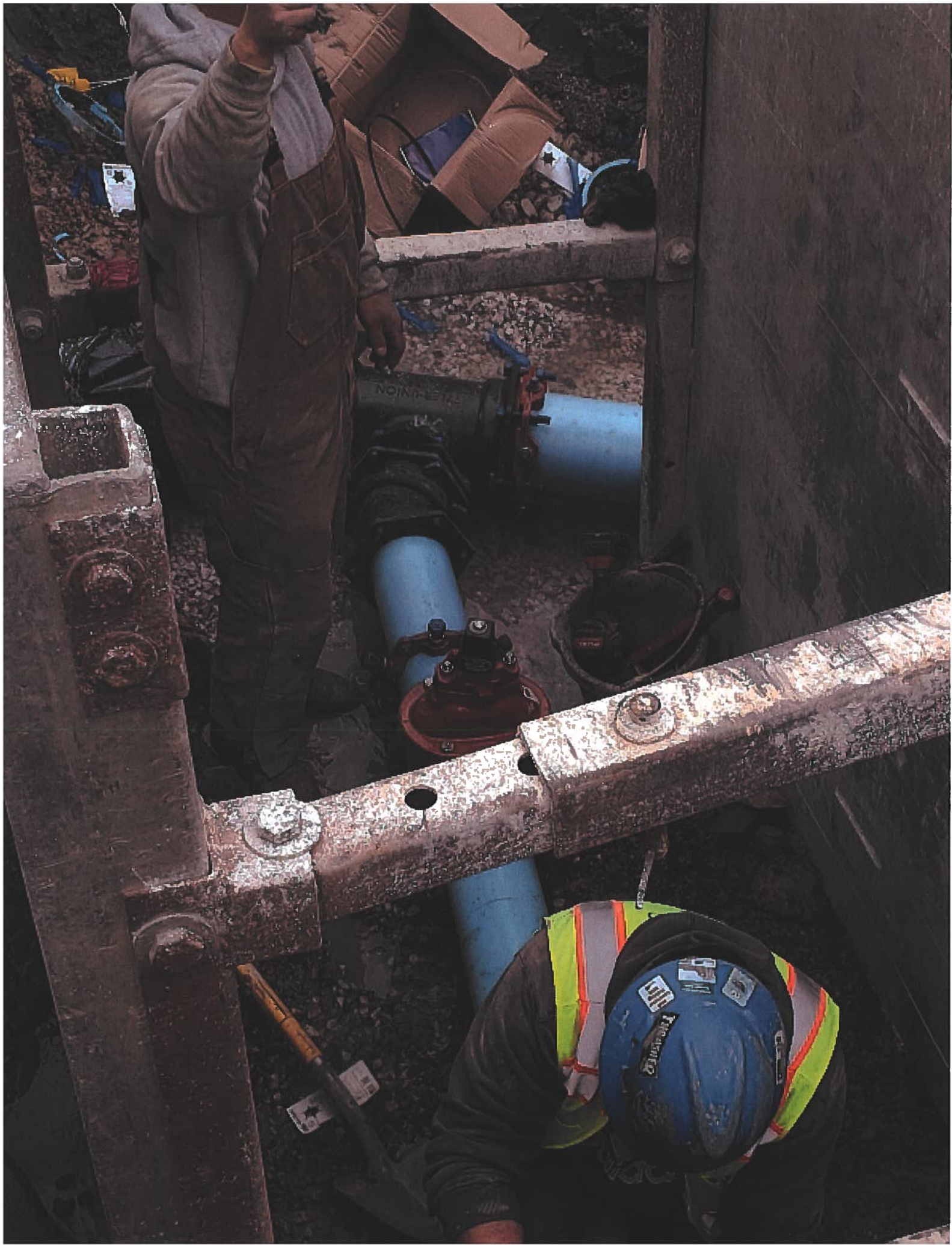

Kirk Dexheimer
President

KD/kk

PO 3531
50-180-183-3480

GENERAL PUBLIC WORKS CONTRACTORS





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

MEETING DATE: June 2, 2021

AGENDA ITEM: New Business

ITEM TITLE: HVAC for Wells #2, #5 and #7

SUBMITTED BY: Paul Haugen, Water Utility Superintendent

SUMMARY EXPLANATION:

The Germantown Water Utility has investigated with the help of IBC Engineering services, a HVAC consultant for an effective way to better manage and control high moisture and high ambient air temperatures at three Well locations. These conditions are brought on by the continual running of the large pump motors and electrical controls for water production. The current method of cooling and dehumidifying is by electric fans and free-standing high capacity dehumidifiers. The moisture in the air is effectively removed but needed cooling is not available. Motor control equipment reaches over 130 degrees fahrenheit. Keeping the motors and control equipment cooled and dehumidifying the air will help extend the life cycle of these components.

(5) HVAC Mechanical contractors were asked to provide a quote mitigating the onsite ambient heat conditions based on the recommendation from IBC Engineering and their heat loss/gain investigation.

- Total Mechanical \$27,075.00
- Mared \$26,750.00
- **Conditioned Air Design \$21,797.00**
- Butters Feting Nonresponsive
- Quality Heating & Sheet Metal Not able to provide this service.

Conditioned Air Design, Inc. 11104 W. Becher St. West Allis, WI 53227 \$21,797.00

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER: X

RECOMMENDATION:

Staff recommends hiring Conditioned Air Design for the installation of HVAC equipment at Well's #2, #5 and #7 in the amount of \$21,797.00. The amount will come out of the budget approved maintenance Account #50-180-184-3310

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.



PROPOSAL

5/4/2021

TO: Germantown Water Utility

ATTENTION: Paul Haugen

SUBJECT: Pump House #2 AC Installation

CONDITIONED AIR DESIGN, INC. appreciates the opportunity to submit our proposal to provide the HVAC work for the subject project. It is our intention to work with you to provide the following HVAC work.

Scope of work:

- Hang new 2 ton Samsung cassette on wall
- Run refrigerant lines from cassette to OD unit (place lines in such a manner to be out of the way of all employee moments)
- Set new 2 ton Samsung OD unit
- Connect all refrigerant lines
- Run drains to OS of building
- Install all control wiring
- Install all high voltage wiring (using subcontractor)
- Evacuate system to 300 microns, dump refrigerant charge and perform a complete start up
- Ensure area is left free and clear of all installation material

Additional Items Included:

- One year warranty on all material and equipment used.
- 2-5 year warranty on compressor.
- All local fees and permits.

Our price to provide work described above is \$ (6,908.00 dollars)

TERMS: The above price does not include any applicable sales tax.

Our Quotation is based on straight time labor. No credit will be given or premiums paid by us for insurance coverage afforded by others. We are not liable for charges for storage, temporary power, and other job facilities unless agreed upon in writing. We are not responsible for loss or damage relating to strikes, accidents, fires or other causes unavoidable beyond our control. Invoices will be issued as work progresses and are due and payable as stated. The customer is hereby notified that lien proceedings are initiated upon non-payments as invoiced. This quotation is void after 30 days unless renewed.

CONDITIONED AIR DESIGN, INC. Looks forward to working with you on this project. If you have any questions in regards to the above, please contact me.

Sincerely,

Kyle J Arkell

Approval _____



*Air Conditioning and Heating Specialist
11104 W. Becher St. West Allis, WI. 53227
Phone (414) 546-2020 Fax (414) 546-0704*

PROPOSAL

5/4/2021

TO: Germantown Water Utility

ATTENTION: Paul Haugen

SUBJECT: Pump House #5 AC Installation

CONDITIONED AIR DESIGN, INC. appreciates the opportunity to submit our proposal to provide the HVAC work for the subject project. It is our intention to work with you to provide the following HVAC work.

Scope of work:

- Hang new 2 ton Samsung cassette on wall
- Run refrigerant lines from cassette to OD unit (place lines in such a manner to be out of the way of all employee moments)
- Set new 2 ton Samsung OD unit
- Connect all refrigerant lines
- Run drains to OS of building
- Install all control wiring
- Install all high voltage wiring (using subcontractor)
- Evacuate system to 300 microns, dump refrigerant charge and perform a complete start up
- Ensure area is left free and clear of all installation material
-

Additional Items Included:

- One year warranty on all material and equipment used.
- 2-5 year warranty on compressor.
- All local fees and permits.

Our price to provide work described above is \$ (6,908.00 dollars)

TERMS: The above price does not include any applicable sales tax.

Our Quotation is based on straight time labor. No credit will be given or premiums paid by us for insurance coverage afforded by others. We are not liable for charges for storage, temporary power, and other job facilities unless agreed upon in writing. We are not responsible for loss or damage relating to strikes, accidents, fires or other causes unavoidable beyond our control. Invoices will be issued as work progresses and are due and payable as stated. The customer is hereby notified that lien proceedings are initiated upon non-payments as invoiced. This quotation is void after 30 days unless renewed.

CONDITIONED AIR DESIGN, INC. Looks forward to working with you on this project. If you have any questions in regards to the above, please contact me.

Sincerely,
Kyle J Arkell

Approval _____



*Air Conditioning and Heating Specialist
11104 W. Becher St. West Allis, WI. 53227
Phone (414) 546-2020 Fax (414) 546-0704*

PROPOSAL

5/4/2021

TO: Germantown Water Utility

ATTENTION: Paul Haugen

SUBJECT: Pump House #7 AC Installation

CONDITIONED AIR DESIGN, INC. appreciates the opportunity to submit our proposal to provide the HVAC work for the subject project. It is our intention to work with you to provide the following HVAC work.

Scope of work:

- Hang new 3 ton Samsung cassette on wall
- Run refrigerant lines from cassette to OD unit (place lines in such a manner to be out of the way of all employee moments)
- Set new 3 ton Samsung OD unit
- Connect all refrigerant lines
- Run drains to OS of building
- Install all control wiring
- Install all high voltage wiring (using subcontractor)
- Evacuate system to 300 microns, dump refrigerant charge and perform a complete start up
- Ensure area is left free and clear of all installation material
-

Additional Items Included:

- One year warranty on all material and equipment used.
- 2-5 year warranty on compressor.
- All local fees and permits.

Our price to provide work described above is \$ (7,981.00 dollars)

TERMS: The above price does not include any applicable sales tax.

Our Quotation is based on straight time labor. No credit will be given or premiums paid by us for insurance coverage afforded by others. We are not liable for charges for storage, temporary power, and other job facilities unless agreed upon in writing. We are not responsible for loss or damage relating to strikes, accidents, fires or other causes unavoidable beyond our control. Invoices will be issued as work progresses and are due and payable as stated. The customer is hereby notified that lien proceedings are initiated upon non-payments as invoiced. This quotation is void after 30 days unless renewed.

CONDITIONED AIR DESIGN, INC. Looks forward to working with you on this project. If you have any questions in regards to the above, please contact me.

Sincerely,

Kyle J Arkell

Approval _____

Job Name

Location

Purchaser

Engineer

Submitted to

Reference ☐

Approval ☐

Construction ☐

Unit Designation

Schedule #

Specifications

Performance	Nominal Capacity*	Cooling (Btu/h)	33,000
		Heating (Btu/h)	34,000
	Capacity Range	Cooling (Btu/h)	9,000 - 38,000
		Heating (Btu/h)	9,000 - 45,000
	SEER / EER		18.0 / 10.8
	HSPF		9.0
	Condensate (pints/h)		8.45
Power	Voltage (øV/Hz)		1 / 208-230 / 60
	Working Voltage Range (VAC)		176 - 254 (max. 3% deviation from each)
	Rated Current	Cooling (A)	3.6 / 14.2 / 18.0
	(Low/Std./Max.)	Heating (A)	3.3 / 15.0 / 21.0
	Max. Breaker (A)		30
	Min. Circuit Ampacity (A)		19.5
Dimensions	W X H X D	Indoor Unit	50 3/8 X 13 9/16 X 10
	(in.)	Outdoor Unit	36 11/16 X 45 7/8 X 14 3/4
	Weight (lbs.)	Indoor Unit	40.12
		Outdoor Unit	191.80
	Condensate Connection		11/16" OD
Heat Exchanger	Indoor & Outdoor Unit	Type	Aluminum Fin - Copper Tube
		FPI	18
		Pipe Diameter	1/4 inch
	Indoor Unit		2 row / 18 step
	Outdoor Unit		2 row / 52 step
Sound Pressure Level	Indoor Unit (dB)	(L / H)	33 / 49
	Outdoor Unit (dB)	High	59
Operating Temperatures °F(°C)	Outdoor	Cooling	14 ~ 115°F(-10 ~ 46°C)
		Heating	0 ~ 115°F(-18 ~ 46°C) w/ wind baffle
	Indoor	Cooling	5 ~ 75°F(-15 ~ 24°C)
		Heating	61 ~ 90°F(16 ~ 32°C)
			T ≤ 80°F(27°C)
Pipe Connections	Indoor & Outdoor	High side (flare)	1/4"
		Low side (flare)	5/8"
	Maximum / Minimum Line Set Length (ft.)		164 / 10
	Maximum Vertical Separation (ft.)		98
Refrigerant	Type		R410A
	Control Method		Electronic Expansion Valve
	Factory Charge (oz.)		88.1
	Charged for		25 ft.
	Additional Refrigerant		0.43 oz./ft. over 25 ft.
Compressor	Manufacturer		Samsung
	Type		DC, Inverter Driven, Rotary
	RLA (A)		13.8
	Operating Frequency (Hz)	Cooling (low/std./high)	15 / 55 / 63
		Heating (low/std./high)	15 / 50 / 69
Evaporator Fan	Type		BLDC motor with cross-flow fan (1)
	Air Volume (L / M / H)		580 / 750 / 920
	Consumption	W	58
	Operating Current (A)		0.22
Condenser Fan	Motor		BLDC motor with axial fan (2)
	Output	W	248
	FLA	Amps	1.04
Accessories	Condensate pump		☐ ASP-MO-UNIV 110-250
	Wired Controller (includes sub-PCB and MWR-WE13U controller with scheduling)		☐ AQN-WRP2
	Wall bracket (for outdoor unit)		☐ CKN-250
	Line sets - insulated and flared, interconnect cables included		☐ 25' - ILS2509
			☐ 50' - ILS5009
	Wind Baffle	Front	☐ WBF-4M (2 required)
		Back	☐ WBB-9M
	Safety	Certifications	ETL (UL 1995)
Devices		PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	
Warranty	10 Year compressor, 10 Year Parts, 1 year limited labor (conditions apply)**		

*Certified in accordance with the AHRI Unitary Small Air-Source Heat Pumps (USHP) Certification Program which is based on the latest edition of AHRI Standard 210/240.

**If registered within 60 days of installation and applies to units manufactured after 2015. Standard warranty is 7 year compressor, 5 year parts

Samsung HVAC maintains a policy of ongoing development, specifications are subject to change without notice.

Refer to www.AHRIdirectory.org for current reference numbers.



• Low ambient control built in

• Outdoor unit shall provide 208/230V power to indoor unit via 14 AWG X 3 interconnect power cable

• Electro-static, washable, HD (high density) main filter as standard

Construction

Indoor unit chassis shall be UL94 V0 with a galvanized steel mounting bracket

The outdoor unit shall be galvanized steel with a baked on powder coated finish for durability

Heat Exchanger

The heat exchanger shall be mechanically bonded fin to copper tube

Refrigerant System

The compressor shall be hermetically sealed, inverter controlled, Twin BLDC Rotary

Refrigerant flow shall be controlled by EEV (electronic expansion valve) at outdoor unit

Indoor Fan

The indoor fan shall be a single, antibacterial cross-flow type

Three fan speed settings and auto setting

Controls

Control signal shall be DDC type signal

Interconnect control wiring shall be 16 AWG X 2 shielded wire between outdoor and indoor unit

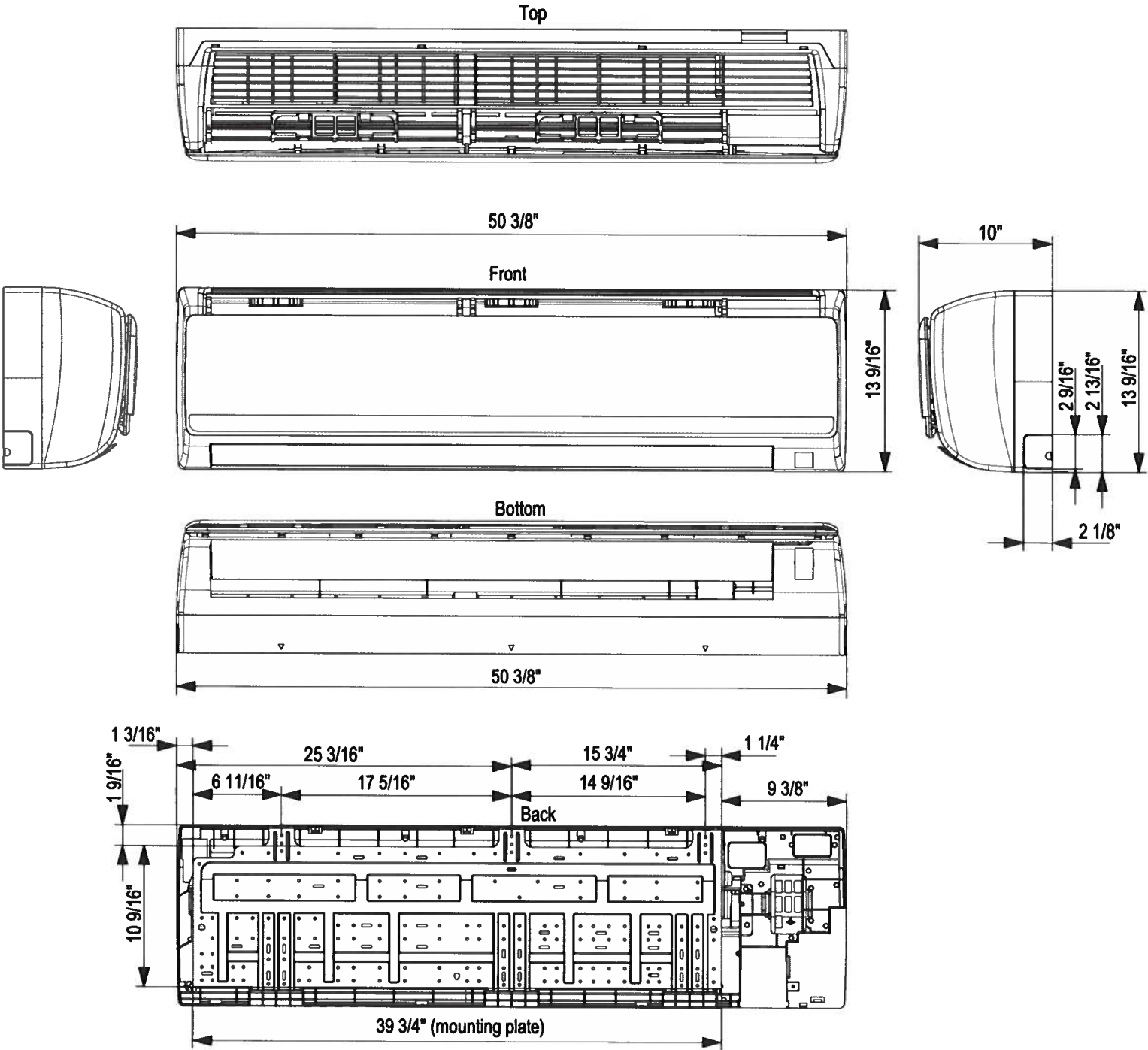
Unit shall be operated via wireless controller (included)

Optional wired control available

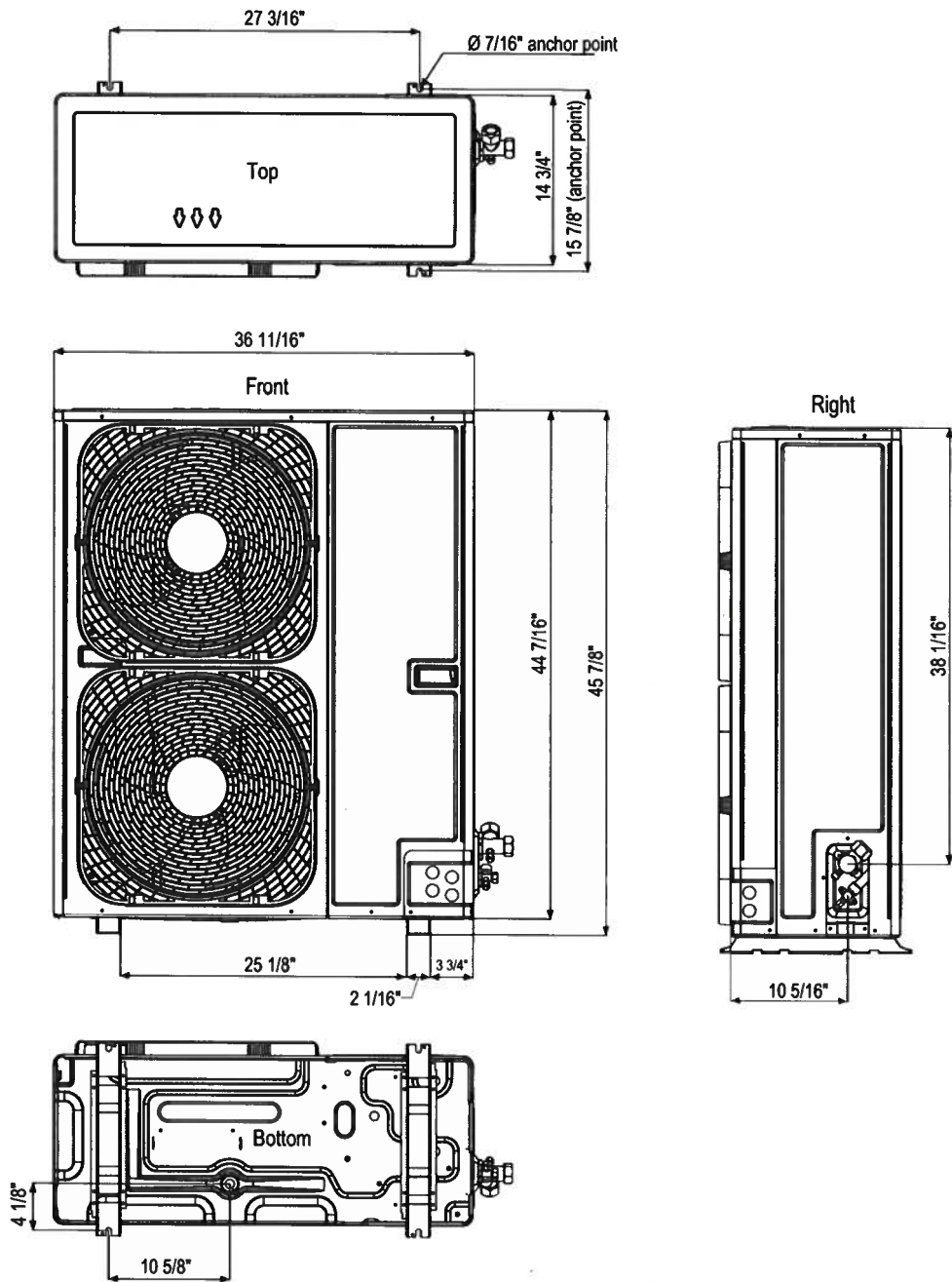
Convenience

- Auto restart
- Turbo mode (during cooling operation only)
- Auto changeover
- 24 hour timer
- Good'sleep mode
- Quiet mode
- Dry mode

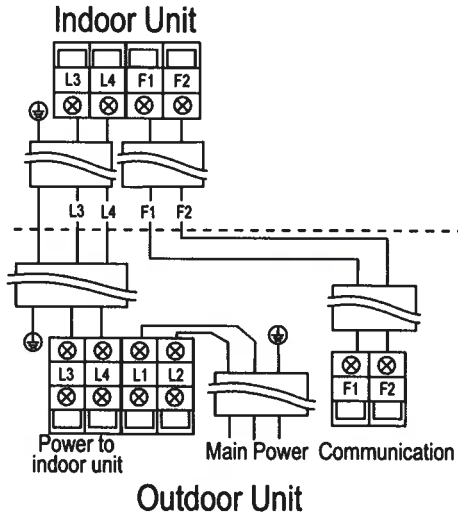
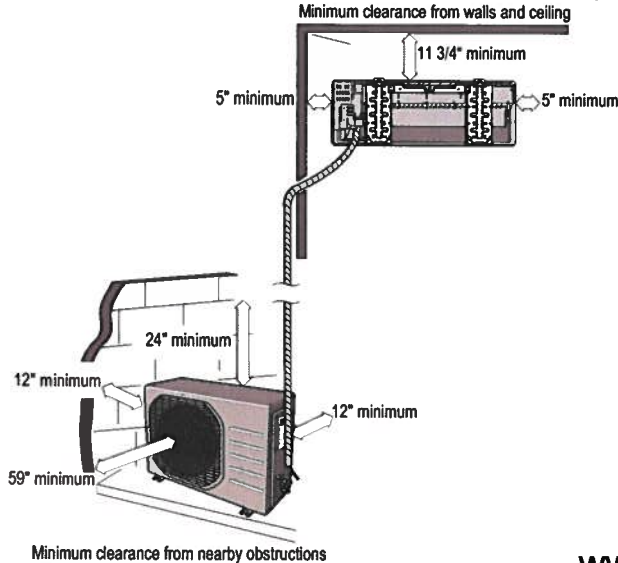
SUBMITTAL AQN36VFUAGM / AQX36VFUAGM
AQN36VFUAGM Max, wall mounted evaporator, single zone split system



SUBMITTAL AQN36VFUAGM / AQX36VFUAGM
AQN36VFUAGM Max, wall mounted evaporator, single zone split system



For reference only. Always refer to installation manual for complete details.



Germanatown Well 2, 5 & 7

Location
Building owner
Program user
Company
Comments

Germanatown, WI
Germanatown
Mark Bresnehan
IBC Engineering Services

By
Dataset name

IBC
C:\Users\MBresnehan\Documents\2021021-Gmntn.trc

Calculation time
TRACE® 700 version

09:01 AM on 04/08/2021
6.3.5

Location
Latitude
Longitude
Time Zone
Elevation
Barometric pressure

Milwaukee, Wisconsin
43.0 deg
87.0 deg
6
672 ft
29.2 in. Hg

Air density
Air specific heat
Density-specific heat product
Latent heat factor
Enthalpy factor

0.0741 lb/cu ft
0.2444 Btu/lb·°F
1.0867 Btu/h·cfm·°F
4,783.5 Btu·min/h·cu ft
4.4457 lb·min/hr·cu ft

Summer design dry bulb
Summer design wet bulb
Winter design dry bulb
Summer clearness number
Winter clearness number
Summer ground reflectance
Winter ground reflectance
Carbon Dioxide Level

95.0 °F
75.0 °F
-10.0 °F
0.85
0.85
0.20
0.20
400 ppm

Design simulation period
Cooling load methodology
Heating load methodology

January - December
TETD-TA1
UATD



By IBC

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air: Mo/Hr: 7 / 14 OADBWB/Hr: 94 / 75 / 102				Mo/Hr: 7 / 15 OADB: 95				Mo/Hr: Heating Design OADB: -10							
Sens. + Lat. Btu/h		Plenum Btu/h	Net Total Btu/h	Percent Of Total (%)	Space Sensible Btu/h		Percent Of Total (%)	Envelope Loads		Space Peak Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)			
Envelope Loads															
0		0	0	0	0		0	Skylite Solar		0	0	0.00	SADB		
0		0	0	0	0		0	Skylite Cond		0	0	0.00	Ra Plenum		
3,997		0	3,997	16	4,219		18	Roof Cond		-4,330	-4,330	20.84	Return		
1,295		0	1,295	5	944		4	Glass Solar		0	0	0.00	Ret/OA		
204		0	204	1	229		1	Glass/Door Cond		-1,196	-1,196	5.76	Fn MtrTD		
645		0	645	3	716		3	Wall Cond		-4,552	-4,552	21.91	Fn BldTD		
1,867		0	1,867	7	1,867		8	Partition/Door		-1,428	-1,428	6.87	Fn Frict		
0		0.00	0	0	0.00		0	Floor		-3,482	-3,482	16.76			
0.00		0.00	0.00	0.00	0.00		0.00	Adjacent Floor		0.00	0.00	0.00			
2,561		0	2,561	10	1,262		5	Infiltration		-5,792	-5,792	27.87			
10,569		0	10,569	42	9,238		39	Sub Total ==>		-20,780	-20,780	100.00			
Internal Loads															
1,399		0	1,399	6	1,399		6	Lights		0	0	0.00	Diffuser		
0		0	0	0	0		0	People		0	0	0.00	Terminal		
13,075		0	13,075	52	13,075		55	Misc		0	0	0.00	Main Fan		
14,475		0	14,475	58	14,475		61	Sub Total ==>		0	0	0.00	Sec Fan		
Internal Loads															
1,399		0	1,399	6	1,399		6	Lights		0	0	0.00	AHU Vent		
0		0	0	0	0		0	People		0	0	0.00	Infil		
13,075		0	13,075	52	13,075		55	Misc		0	0	0.00	MinStop/Rh		
14,475		0	14,475	58	14,475		61	Sub Total ==>		0	0	0.00	Return		
Internal Loads															
0		0	0	0	0		0	Ceiling Load		0	0	0.00	Exhaust		
0		0	0	0	0		0	Ventilation Load		0	0	0.00	Rm Exh		
0		0	0	0	0		0	Adj Air Trans Heat		0	0	0.00	Auxiliary		
0		0	0	0	0		0	Ov/Undr Sizing		0	0	0.00	Leakage Dwn		
0		0	0	0	0		0	Exhaust Heat		0	0	0.00	Leakage Ups		
0		0	0	0	0		0	OA Preheat Diff.		0	0	0.00			
0		0	0	0	0		0	Additional Reheat		0	0	0.00			
0		0	0	0	0		0	System Plenum Heat		0	0	0.00			
0		0	0	0	0		0	Underfir Sup Ht Pkup		0	0	0.00			
0		0	0	0	0		0	Supply Air Leakage		0	0	0.00			
25,043		0	25,043	100.00	23,712		100.00	Grand Total ==>		-20,780	-20,780	100.00			
Internal Loads															
1,399		0	1,399	6	1,399		6	Lights		0	0	0.00	Cooling		
0		0	0	0	0		0	People		0	0	0.00	Heating		
13,075		0	13,075	52	13,075		55	Misc		0	0	0.00			
14,475		0	14,475	58	14,475		61	Sub Total ==>		0	0	0.00			
Internal Loads															
0		0	0	0	0		0	Ceiling Load		0	0	0.00			
0		0	0	0	0		0	Ventilation Load		0	0	0.00			
0		0	0	0	0		0	Adj Air Trans Heat		0	0	0.00			
0		0	0	0	0		0	Ov/Undr Sizing		0	0	0.00			
0		0	0	0	0		0	Exhaust Heat		0					

COOLING COIL SELECTION										HEATING COIL SELECTION				
	Total Capacity ton	Sens Cap. MBh	Coil Airflow cfm	Enter DBWB/HR °F	gr/lb	Leave DBWB/HR °F	gr/lb	Gross Total	Glass ft²	(%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Ctg	2.1	25.0	1,542	78.0	64.9	63.9	72.3	Floor	410		-20.8	1,542	68.0	80.4
Aux Ctg	0.0	0.0	0	0.0	0.0	0.0	0.0	Part	273		0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	Int Door	1		0.0	0	0.0	0.0
								ExFlr	72					
								Roof	445	0	0.0	0	0.0	0.0
								Wall	604	21	0.0	0	0.0	0.0
Total	2.1	25.0						Ext Door	24	0	-20.8			

By IBC

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 7 / 16 OADB/WB/HR: 94 / 75 / 101				Mo/Hr: Heating Design OADB: -10							
COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Space Sens. + Lat. Btu/h				Plenum Sens. + Lat. Btu/h				Space Sens Btu/h				Cooling Heating			
Sens. + Lat. Btu/h				Net Total Btu/h				Space Sens Btu/h				SADB Ra Plenum Return Ret/OA Fn MtrTD Fn BldTD Fn Frict			
Percent (%)				Percent (%)				Percent (%)				Percent (%)			
Envelope Loads				Envelope Loads				Envelope Loads				Envelope Loads			
Skylite Solar				Skylite Solar				Skylite Solar				Skylite Solar			
Skylite Cond				Skylite Cond				Skylite Cond				Skylite Cond			
Roof Cond				Roof Cond				Roof Cond				Roof Cond			
Glass Solar				Glass Solar				Glass Solar				Glass Solar			
Glass/Door Cond				Glass/Door Cond				Glass/Door Cond				Glass/Door Cond			
Wall Cond				Wall Cond				Wall Cond				Wall Cond			
Partition/Door				Partition/Door				Partition/Door				Partition/Door			
Floor				Floor				Floor				Floor			
Adjacent Floor				Adjacent Floor				Adjacent Floor				Adjacent Floor			
Infiltration				Infiltration				Infiltration				Infiltration			
Sub Total ==>				Sub Total ==>				Sub Total ==>				Sub Total ==>			
Internal Loads				Internal Loads				Internal Loads				Internal Loads			
Lights				Lights				Lights				Lights			
People				People				People				People			
Misc				Misc				Misc				Misc			
Sub Total ==>				Sub Total ==>				Sub Total ==>				Sub Total ==>			
Ceiling Load				Ceiling Load				Ceiling Load				Ceiling Load			
Ventilation Load				Ventilation Load				Ventilation Load				Ventilation Load			
Adj Air Trans Heat				Adj Air Trans Heat				Adj Air Trans Heat				Adj Air Trans Heat			
Dehumid. Ov Sizing				Dehumid. Ov Sizing				Dehumid. Ov Sizing				Dehumid. Ov Sizing			
Ov/Undr Sizing				Ov/Undr Sizing				Ov/Undr Sizing				Ov/Undr Sizing			
Exhaust Heat				Exhaust Heat				Exhaust Heat				Exhaust Heat			
Sup. Fan Heat				Sup. Fan Heat				Sup. Fan Heat				Sup. Fan Heat			
Ret. Fan Heat				Ret. Fan Heat				Ret. Fan Heat				Ret. Fan Heat			
Duct Heat PkUp				Duct Heat PkUp				Duct Heat PkUp				Duct Heat PkUp			
Underflr Sup Ht PkUp				Underflr Sup Ht PkUp				Underflr Sup Ht PkUp				Underflr Sup Ht PkUp			
Supply Air Leakage				Supply Air Leakage				Supply Air Leakage				Supply Air Leakage			
Grand Total ==>				Grand Total ==>				Grand Total ==>				Grand Total ==>			

COOLING COIL SELECTION										HEATING COIL SELECTION						
	Total Capacity ton	Sens Cap. MBh	Coil Airflow cfm	Enter DBWB/HR °F	gr/lb	Leave DBWB/HR °F	gr/lb			Gross Total	Glass ft²	(%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Clg	2.0	24.5	23.3	78.0	64.9	64.0	59.8	72.4	Floor	345			Main Htg	1,530	68.0	78.7
Aux Clg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Part	253			Aux Htg	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	1			Preheat	0	0.0	0.0
									ExFlr	53						
									Roof	345	0	0	Humidif	0	0.0	0.0
									Wall	512	0	0	Opt Vent	0	0.0	0.0
Total	2.0	24.5							Ext Door	71	0	0	Total	-17.7		

Room Checksums

By IBC

Well 7

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 7 / 16 OADB: 94				Mo/Hr: Heating Design OADB: -10				SADB			
Sens. + Lat. Btu/h				Space Sensible Btu/h				Space Peak Btu/h				Cooling			
Plenum Sens. + Lat. Btu/h				Net Total Btu/h				Coil Peak Percent Tot Sens Of Total (%)				Heating			
Envelope Loads				Space Percent Of Total (%)				Envelope Loads				Ra Plenum			
Skylite Solar				0				Skylite Solar				Return			
Skylite Cond				0				Skylite Cond				Ret/OA			
Roof Cond				4,218				Roof Cond				Fn MtrTD			
Glass Solar				937				Glass Solar				Fn BldTD			
Glass/Door Cond				290				Glass/Door Cond				Fn Frict			
Wall Cond				1,128				Wall Cond							
Partition/Door				2,364				Partition/Door							
Floor				0				Floor							
Adjacent Floor				0.00				Adjacent Floor							
Infiltration				2,709				Infiltration							
Sub Total ==>				11,646				Sub Total ==>							
Internal Loads				0				Internal Loads							
Lights				1,519				Lights							
People				0				People							
Misc				22,038				Misc							
Sub Total ==>				23,557				Sub Total ==>							
Ceiling Load				0				Ceiling Load							
Ventilation Load				0				Ventilation Load							
Adj Air Trans Heat				0				Adj Air Trans Heat							
Dehumid. Ov Sizing				0				Ov/Undr Sizing							
Ov/Undr Sizing				0				Exhaust Heat							
Exhaust Heat				0				RA Preheat Diff.							
Sup. Fan Heat				0				OA Preheat Diff.							
Ret. Fan Heat				0				Additional Reheat							
Duct Heat PkUp				0				System Plenum Heat							
Underfir Sup Ht PkUp				0				Underfir Sup Ht PkUp							
Supply Air Leakage				0				Supply Air Leakage							
Grand Total ==>				35,202				Grand Total ==>							

COOLING COIL SELECTION				AREAS				HEATING COIL SELECTION			
Total Capacity ton				Gross Total				Capacity Coil Airflow MBh			
Sens Cap. MBh				Floor				Main Htg			
Coil Airflow cfm				Part				Aux Htg			
Enter DBWB/Hr °F				Int Door				Preheat			
Leave DBWB/Hr °F				ExFir				Humidif			
Main Cig				Roof				Opt Vent			
Aux Cig				Wall				Total			
Opt Vent				Ext Door							
Total											

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

MEETING DATE: June 2, 2021

AGENDA ITEM: New Business

ITEM TITLE: Concept of Meter Installation Program

SUBMITTED BY: Paul Haugen, Water Utility Superintendent

SUMMARY EXPLANATION:

The Water Utility reported at the April, 2021 PWC meeting, Germantown's meter reading equipment is failing or ready to fail and the meter batteries are failing at a pace we cannot keep up with at our current replacement schedule. The water utility would like to provide our concept plan to complete a contract service meter install project. We would like to solicit bids for the installation side of the project with an estimated cost of around \$237,000.00. Meter costs are quoted at \$478,500.00. We are capturing a \$45,000.00 savings for the bulk meter order. Unfortunately, soon there will be an increase of 5% or around \$24,000.00 added to the quoted meter cost. Per Village Administrator Kreklow, we can review the cash flow and use an interfund loan if necessary or available private funding options. However, we need approval from the Board to spend the money. The first approval needed would be an increase to our budgetary authority and then approval of the meter and installation contracts.

ATTACHMENT: ORDINANCE ____ RESOLUTION ____ OTHER X

RECOMMENDATION:

The Village Water Utility through Administrator Kreklow is requesting approval to increase the spending authority of the quoted cost for the meters in the amount of \$478,500.00 and if there is a time delay the added increase of \$24,000.00 for a total purchase of \$502,500.00.

The Water Utility is also requesting approval to move forward with soliciting bids for the contract services to complete the last of the replacements for the old meters and to execute the contract with PWC and Village Board approval.

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.

MetronFarnier

Smart Water Meters & Systems

Company Address 5665 Airport Blvd
Boulder, CO 80301
US

Quote Number 00002355
Created Date 5/26/2021
Expiration Date 6/25/2021

Prepared By Bret Beutel
Phone (720) 641-5254
Email bretb@metronfarnier.com

Bill To Name Germantown
Bill To PO Box 337
Germantown, WI 53022

Ship To Name Germantown
Ship To N122W17177 Fond du Lac Avenue
Germantown, WI 53022

Quantity	Product	Line Item Description	Sales Price	Total Price
2,900.00	Spectrum 30D 5/8x3/4	S30D 5/8x3/4" Measurer	\$165.00	\$478,500.00
2,900.00	Innov8 Int Register	Innov8 register integral antenna	\$0.00	\$0.00
2,900.00	6 Dial Housing Residential	Metron Housing Kit for Res.Meters	\$0.00	\$0.00

Programming -- None --

Subtotal \$478,500.00
Total Price \$478,500.00
Tax \$0.00
Grand Total \$478,500.00

MetronFarnier

Smart Water Meters & Systems

Company Address 5665 Airport Blvd
Boulder, CO 80301
US

Quote Number 00002350
Created Date 5/25/2021
Expiration Date 6/24/2021

Prepared By Bret Beutel
Phone (720) 641-5254
Email bretb@metronfarnier.com

Bill To Name Germantown
Bill To PO Box 337
Germantown, WI 53022

Ship To Name Germantown
Ship To N122W17177 Fond du Lac Avenue
Germantown, WI 53022

Quantity	Product	Line Item Description	Sales Price	Total Price
2,900.00	Spectrum 30D 5/8x3/4	S30D 5/8x3/4" Measurer	\$173.00	\$501,700.00
2,900.00	Innov8 Int Register	Innov8 register integral antenna	\$0.00	\$0.00
2,900.00	6 Dial Housing Residential	Metron Housing Kit for Res.Meters	\$0.00	\$0.00

Programming -- None --

This price is with the 5% increase

Subtotal \$501,700.00
Total Price \$501,700.00
Tax \$0.00
Grand Total \$501,700.00

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

MEETING DATE: Wednesday, June 2nd, 2021

AGENDA ITEM: New Business

ITEM TITLE: Bell Museum Exterior Painting Project

SUBMITTED BY: Scott Anderson: Highway, Parks, Building & Grounds Superintendent

SUMMARY EXPLANATION:

Funding in the amount of \$11,000.00 was added to the Buildings and Grounds non-borrowed capital account to perform an exterior painting on the Historic Bell Museum in Dheinsville Park. The Bell Museum is a wood sided structure that was last painted in 2013. Out ahead of this project, we contracted with a local craftsman who specializes in historic restoration. The historic craftsman completed several repairs to the exterior back in April. Staff then solicited three area contractors for painting proposals and only one provided a submission. The contractor that did submit a proposal has been the recommended contractor for many of the projects previously approved by Committee. Staff is comfortable that the pricing we have received is competitive. Included below is a list of contractors that we requested proposals from.

Macorp Premier Painting & Finishing: \$9,645.00

State Painting Company: Declined submitting a proposal.

Precise Painting LLC: Declined submitting a proposal.

ATTACHMENT: ORDINANCE ____ RESOLUTION ____ OTHER X

RECOMMENDATION:

Staff recommends contracting with Macorp Premier Painting & Finishing to paint the exterior of the Bell Museum for the amount of \$9,645.00. If approved, funding shall be allocated from the Buildings & Grounds non-borrowed capital account: 10-519-570-8425.

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.



MACORP LLC
PREMIER PAINTING & FINISHING

April 15, 2021

Scott Anderson – sanderson@village.germantown.wi.us
Village of Germantown
N122 W17177 Fond du Lac Ave
P.O. Box 337
Germantown, WI 53022

**RE: Exterior Painting of Blue Barn at
N128W18780 Holy Hill Rd, Germantown, WI 53022
REVISION 1**

Dear Scott,

MACORP, LLC. wishes to quote you a price on the above referenced project. Our price includes all labor, materials, equipment and rigging necessary to complete the project. Our price is also furnished, installed and tax included. Work to be done is as follows:

Scope of Work

- Preparation:
 - Power wash existing barn structure
 - Scrape loose and peeling paint
 - Spot prime bare wood areas with Sherwin-Williams Prime RX bonding primer
 - Fill in woodpecker holes with wood filler
- Painting:
 - Apply one (1) coat of Sherwin-Williams Woodscapes exterior acrylic solid color stain to previously painted siding, fascia, soffits, window and door frames. Colors and color scheme to match existing.
- Clean up:
 - Done daily and 100% upon job completion

TOTAL PRICE: \$9645.00

Notes

- Boom lift will be utilized for project

Exclusions

- Factory finished items such as windows

Payment Terms

- Final payment due upon completion

Thank you for the opportunity to submit this proposal. Please consider MACORP, LLC. for the above referenced project. Please sign below and send back to our office if accepted.

Sincerely,

MACORP LLC

Will Krenn

Estimator

Accepted By: _____

Date _____

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

MEETING DATE: June 2, 2021

AGENDA ITEM: New Business

ITEM TITLE: Dheinsville Park__Pave Parking Lot and Walkways

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

SUMMARY EXPLANATION:

The Department of Parks and Recreation included paving the gravel parking lot and walkways in their 2021 annual budget. This item was to be bid with the Annual Road Improvement Project but was missed by staff and not included in the bid and therefore not included in the recommended award of the project. The contractor awarded the Road Improvement project, upon request, furnished a quote of the project. The proposed amount fell within the amount budgeted in the Park and Recreations budget. Since time for scheduling was critical to completion this year and events schedule at the new Pavilion the Director of Public Works gave direction to perform the work prior to submittal to the PWHC. The Director of Parks and Recreation was consulted. The parking lot will be stripped and will include two handicap parking stalls per code. The submitted proposal was \$74,482.00.

ATTACHMENT: ORDINANCE_____ RESOLUTION_____ OTHER ____

RECOMMENDATION:

Staff is respectfully requesting the Public Works and Highway Committee, although after the fact, approve the paving of the Dheinsville Park Parking Lot and Walkways and forward to the Village board with a positive recommendation for award of the project.

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 2, 2021

AGENDA ITEM: New Business

ITEM TITLE: Sidewalk on Division Road-Dotty Way to south of Wendy Lane

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

SUMMARY EXPLANATION:

A request was made by President Walters to investigate installation (completion) of walkway on the west side of division Road from its current ending at Dotty Way to the southern sidewalk termination point just south of Wendy Ln. This section of walkway would complete the walkway from Mequon Road to CTH Q.

The initial thought of President Walters was to take advantage of the area disturbed by the water main construction on Division Rd. But upon further investigation and reviewing three options presented by the engineering firm raSmith there was not sufficient ROW to construct a walkway without filling the ditch with pipe which still placed the walkway 2' from the edge of road. Engineering felt this places the people utilizing the walkway in danger of vehicular traffic. The best option would require obtaining ROW to construct the walkway. This would place the walkway on the west side of the drainage ditch.

Staff is requesting permission to discuss the purchase of additional ROW with the three property owners and for direction relative to future approvals needed for staff to move forward with construction of the walkway. Cost estimates will be presented at the time of the meeting.

ATTACHMENT: ORDINANCE____ RESOLUTION____ OTHER XX

- Drawing indicating sidewalk alignment.

RECOMMENDATION:

Staff is requesting the Public Works and Highway Committee give direction relative to completion of tasked required to construct the connecting walkway on Division Rd.

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.

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

MEETING DATE: June 2, 2021

AGENDA ITEM: New Business

ITEM TITLE: Medians on Freistadt Rd_Correction at Railroad Crossing

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

SUMMARY EXPLANATION:

As reported previously to the PWHC members the Village of Germantown has been notified by the OFFICE OF THE COMMISSIONER OF RAILROADS that the Village of Germantown is directed to make alterations to the Railroad Crossing on Freistadt Rd between Maple Rd & River Ln. Pursuant to this directive the Village Director of Public Works requested that Graef investigate the directive and furnish a plan to satisfy the directive of the OCOR. The recommendation from Graef is for the Village to construct a curb & gutter raised median at each side of the crossing. See the attached drawing, median is in purple.

Staff has given the drawing to the 2021 Road Improvement contractor for a quote, which is not in hand at this time. Since time is of the essence to satisfy the OCOR, staff is requesting direction from the PWHC and placing trust in the Village staff to proceed with the required work at the best obtainable price. Funds should be available in the Road Improvement project budget or from the Highway Road Improvement budget item.

ATTACHMENT: ORDINANCE____ RESOLUTION____ OTHER X

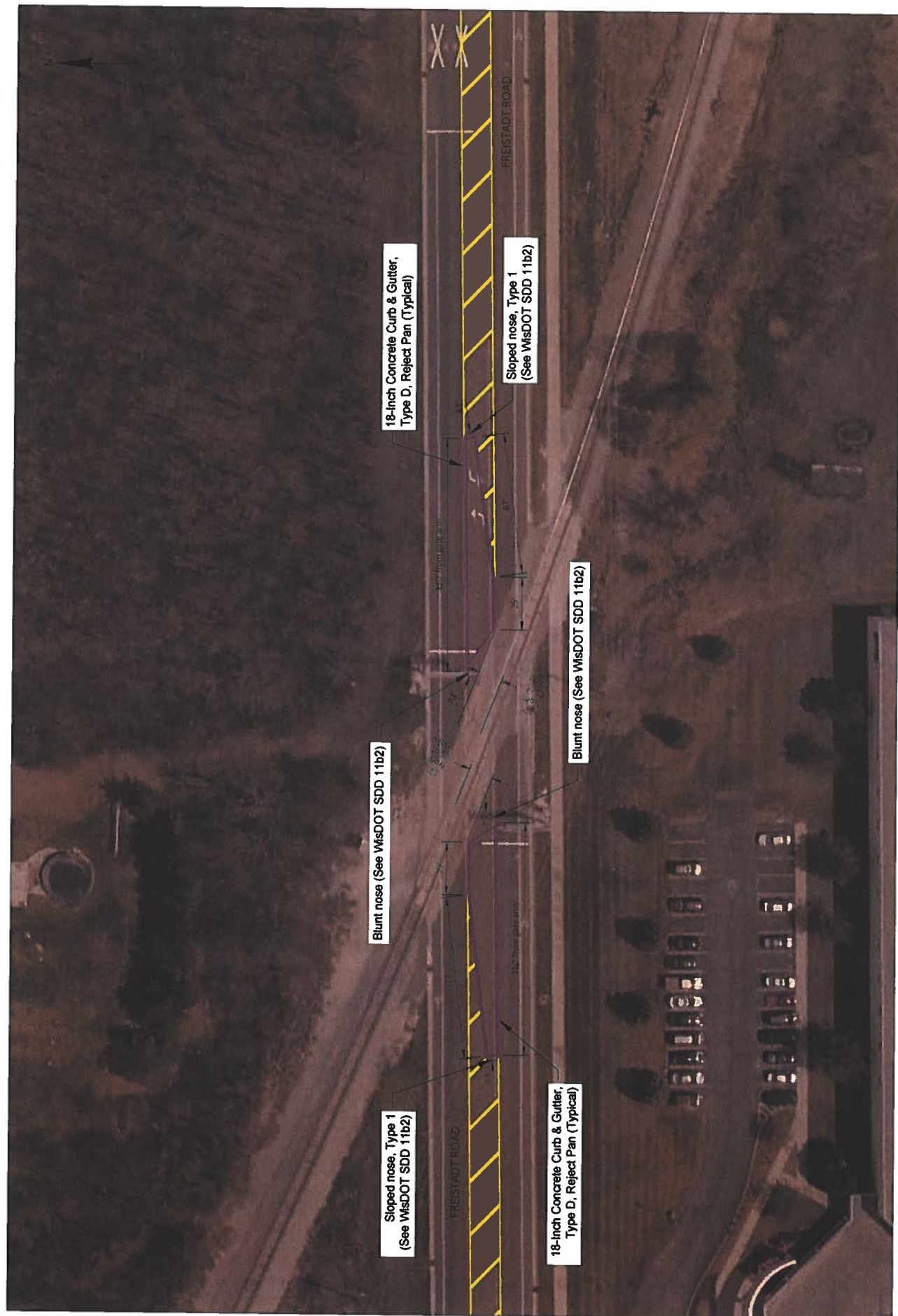
- Drawing of proposed median improvements

RECOMMENDATION:

Seeing that Time is of the Essence the Director of Public Works is recommending the Public Works and Highway Committee direct Village staff to proceed with the recommended placement of medians and to report back to the PWHC at the July meeting to present the cost of performing the median installations.

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 2, 2021

AGENDA ITEM: New Business

ITEM TITLE: R.O.W. Acquisition-Century Lane

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

SUMMARY EXPLANATION:

In 2020 Engineering staff met with the residents of Lovers Ln and Century Ln for the purpose of discussing the extremely condensed schedule to design the reconstruction of Century Ln and the need for additional Right-of- Way from property owners on Century Ln. It should be noted that Lovers Ln has sufficient ROW. At the multiple meetings staff expressed that the Village would make a concerted effort to perform the work in 2020 but the Village has no funds budgeted for the purchase of land for the additional ROW. The residents signed the attendance sheet indicating that they would give the needed land to the Village for the purpose of ROW. The Village engineering staff did their part in designing the road and bid the project with the 2020 Road Improvement annual bid. But as fate would dictate after the residents were presented with the title searches the Village had done for each parcel the individual mortgage companies became involved and required that the land be purchased. The property owners agreed with the mortgage holders which led to the postponement of the road reconstruction in 2020. Construction was also delayed for 2021 because the need to budget funds came to be known after the 2021 Budget was well into review and approval.

The estimated funds required to purchase ROW land is \$80,000.00. The estimated cost to reconstruct Century Ln. is \$350,000.00-\$400,000.00.

Staff is bringing this to the PWHC for discussion and direction regarding including funds in the 2022 budget for the purpose of purchasing land for the purpose of ROW on Century Ln.

ATTACHMENT: ORDINANCE_____ RESOLUTION_____ OTHER X

- Drawing of Lovers Ln & Century Ln

RECOMMENDATION:

Staff is seeking the guidance from the Public Works and Highway Committee to determine if the funds required to increase the ROW on Century Ln are to be included in the 2022 Budget.

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.

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LOVERSON

CELESTIAL LN

DIVISION RD



Basemap

400ft

STATUS OF PROJECTS

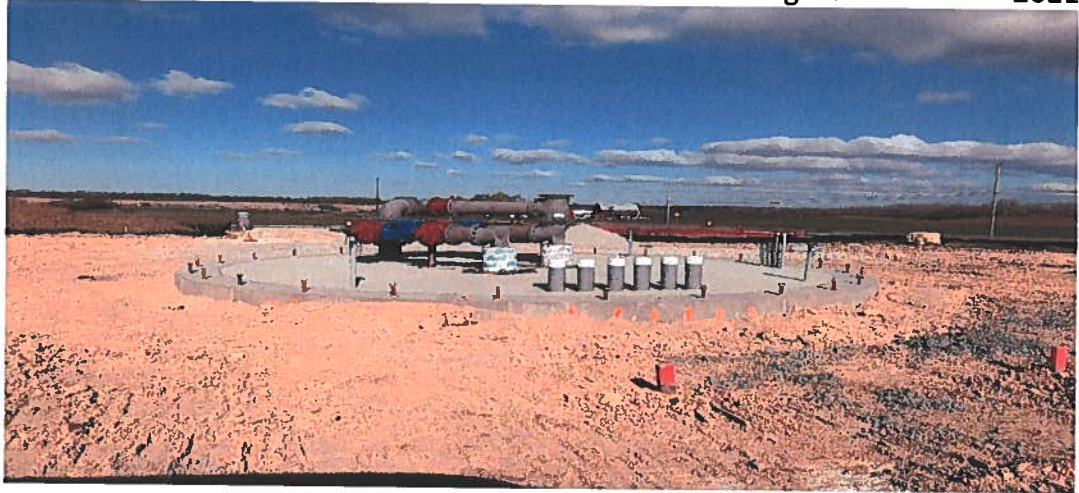
June 2, 2021

- 1) Auxiliary Fire Pump & Booster station pump; PSC has approved the Booster Station/Pressure Reducing Station. The building and components will be rebid summer of 2021. Revised building design to Plan Commission on February 8, 2021.
- 2) Design of Holy Hill Road (from the east ramps of I41 to approximately 200 feet east of Goldendale Rd): Estimated project schedule is design in 2021 and construction in 2022. The engineering firm performing the design is raSmith. Village has received WisDOT Funding through their MLS (recently changed to the LRIP) grant program for \$1,000,000.00. Survey and soil testing are complete, and design/drawings have started.
- 3) New Well #12 in TID #8 (SE corner of Gateway Crossing & Rockfield Road). WIDNR and PSC have approved the New Well #12. Well to be drilled by Municipal Well and Pump. Drilling to start June 2, 2021. Drill Rig set to begin.



- 4) Elevated Water Tank in TID #8; Tank will have 500,000-gal capacity. PSC & WIDNR have approved Tower #4. Tower was awarded to Maguire Iron, Inc. Tower estimate in service by mid-2022. Staff is working on design of logo and color scheme. Construction has started with the Foundation and piping complete. Steel erection

scheduled to start August 2021.



- 5) PP/II project – Graef engineers have met with MMSD staff to determine the status of the PP/II MMSD funded program. Graef is working on restarting the Village program. Village has retained funding. NO CHANGE
- 6) 2021 Road Program; Village opened bids on April 8, 2021 and the Public Works Committee & Village Board approved on April 13, 2021 and April 19, 2021 respectfully. Low bidder is Payne & Dolan, Inc. Roads in the 2021 Bid are:
- Elm Ln (reconstruction Wasaukee Rd to west termini)**start August**
 - Carriage Ave (mill & Pave)
 - Creek Terrace (mill & pave)
 - Creek Terrace Ct. (mill & pave)
 - Crestwood Ln (mill & pave)
 - Russet Ct (pulverize & pave)**started**
 - Lovers Ln (Knollwood Dr to Wasaukee Rd (pulverize & pave)**started**
 - Knollwood Dr (pulverize & pave)**started**
 - Westwood Rd (Wasaukee Rd to Termini // pulverize & pave)**started**
 - Concord (surface course only) **sanitary manholes adjusted**
 - Lovers Ln (Maple to STH 145) **started**
 - Main St Squire to Gehl RR spur) includes 2" mill and 2" surface course replacement.
 - Dheinsville Park **_Pave parking Lot and walkways Completed_** Park/Rec budgeted

- 7) Development of site plans for future DPW facility has begun. Review of existing buildings and future needs is complete. Evaluation of potential use/acquiring of adjacent land in progress. Building floor plan 85% complete. Target December 2021 for completed building and site construction plans and Construction in 2022.
- 8) The Village of Germantown and Washington County have completed the Jurisdictional Transfer of CTH-Y (Goldendale Rd) to the Village of Germantown. The Transfer included the reconstruction of the intersection of Freistadt Rd & Goldendale Rd. The reconstruction will allow improved turning movement of trucks through the intersection. Village is responsible for \$100,000.00 of total cost. Construction is Completed.



- 9) EMC (Electronic Message Center) sign to replace the existing sign located between the Village Hall and the Library will be a double-sided sign that will produce multicolor images. Existing sign to be removed. Sign is scheduled for completion by August 31, 2021.
- 10) Freistadt & Maple Rd Intersection project. the Village of Germantown received a HSIP Grant from the WisDOT funding 90% of the cost to reconstruct the intersection of Freistadt RD & Maple Rd. Reconstruction to include traffic signals and turning lanes. Project was bid on May 11, 2021 as part of the WisDOT May Letting. Anticipated construction start is early July.
- 11) Wendy Lane & Division Rd Water Main; The Wendy Ln and Division Rd Water Main project is complete and the new system is on-line. Pavement & Lawn restoration is complete.
- 12) CIPP (Cured In Place Pipe) Project; The project was rebid on February 1, 2021 with Visu-Sewer being awarded the project in the amount of \$2,611,161.00, project includes the remaining unlined 48-inch diameter RCP pipe. Basically, the project limits are from just south of Donges Bay & STH 145 to 124th & County Line Rd. This is the Main Interceptor sewer that transports the Villages wastewater to MMSD.

- 13) Engineering in concert with Graef will be submitting to the WisDOT for funding to reconstruct Division Rd from Mequon Rd to south of Wendy Lane. Funding is applied for to the WisDOT "Surface Transportation Program" (STP). Draft Applications are due by July 29, 2021 and Final Application by Oct. 15, 2021
- 14) The Village has entered into an agreement with TADI, Inc to make Application to WisDOT for Assistance Funding for potential work to make corrections to the intersection of Maple Rd & Mequon-Lannon Rd. This intersection was identified in the Traffic Study the Village conducted with TADI, Inc to identify and review the 30 most dangerous intersections in the Village of Germantown.
- 15) Dheinsville Park__The Parking lot and walkways at Dheinsville Park have been paved as part of the Road Improvement project. The work was budgeted in the 2021 Parks and Recreation Department 2021 Budget.

