

VILLAGE OF GERMANTOWN
N112 W17001 MEQUON ROAD
GERMANTOWN, WI 53022

MEETING:	PUBLIC WORKS & HIGHWAY COMMITTEE
DATE AND TIME:	<u>TUESDAY, February 2, 2021</u> ***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 #126 517 6585 Password: dgJfJbmd463 which can be accessed by phone at 408-418-9388 or by logging on <https://villageofgermantown.my.webex.com/villageofgermantown.my/j.php?MTID=m798da49df348232a77edaea7876> Citizens wishing to view the meeting are encouraged to watch the live broadcast of the meeting through Channel 25 on Spectrum cable. 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 Zabel

- III. **APPROVAL OF MINUTES:** January 12, 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

- VI. **NEW BUSINESS:**
 - A. Fire Station #2 – Transfer Switch
 - B. Library Boiler Replacement Project
 - C. Highway Dept. Patrol Truck - Purchase
 - D. Salt Brine Insert - Purchase
 - E. Mini Excavator - Purchase
 - F. D.F. Tomasini Invoice – Hudson Drive
 - G. D.F. Tomasini Invoice – Carnegie Drive

- H. Wendy Lane/Division Road Watermain – Bid Results
- I. 48" CIPP Interceptor Lining – Bid Results
- J. Waste Water Utility Truck - Purchase
- K. Village Labor & Equipment Rates
- L. Village Hall – EMC Sign – Discussion
- M. Award of Contract – Well #12 (TID #8)

VII. PROJECTS UPDATE:

VIII. NEXT MEETING DATE: Set March, 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

January 12, 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 and Zabel. Also present were Dir. Ratayczak, Adm. Kreklow, and Secretary Wick.

APPROVAL OF MINUTES: MOTION made by Zabel, seconded by Miller to approve the Minutes of November 10, 2020.

Motion carried unanimously.

PUBLIC COMMENT: None

MEQUON ROAD – STREET LIGHTING: Interim Hwy. Supt. Scott Anderson gave a brief summary on the street lighting issues along Mequon Road. \$400,000 was budgeted for their replacement and a few options were discussed at the July 2020 Committee meeting. Of the options discussed in July, it was the opinion of Interim Supt. Anderson that Village owned and maintained street lighting was a better option. Staff further recommended the services of Traffic Engineering Services to design a new lighting system that would be owned/maintained by the Village. Budgeted design services would not exceed \$20,000. Supt. Anderson expressed costs were engineer estimates. No design work has been done. Also noted were the following.

- Currently there are 31 poles in the Mequon Road corridor from Division Road east to Pilgrim Road; To keep the current number of poles would cost \$186,000. Perpetual maintenance not including energy over a 25 year life span, \$135,408. Removal of the existing poles by WE Energies would be \$800/per pole.
- WE Energies can no longer get parts for the existing poles/fixtures.

MOTION made by Miller, seconded by Zabel authorizing staff to obtain the design services for a new lighting system along Mequon Road at a cost not to exceed \$20,000.

Trustee Miller noted Village owned poles would be a cost savings but there would be some maintenance. Supt. Anderson noted whether the pole was knocked down and up righted by WE Energies, the Village was paying those costs regardless. If the Village owned the poles, there would not be monthly maintenance fees per pole or fixture. Village costs would be on a as needed basis. Would it be possible to install less poles? Interim Supt. Anderson stated he would need to refer to the design team as to whether that was a possibility.

Trustee Zabel questioned as part of the design process will the firm be able to determine maintenance costs with the new poles? And, as the Village continues to add new municipal buildings, more manpower will be necessary in other areas and wondered if staff should take on the additional street lighting maintenance work. Interim Supt. Anderson will research.

Adm. Kreklow stated \$400,000 was budgeted using General Obligation Bonds. Before monies were spent on design, staff looked to the Committee/Board to clarify they were moving in the right direction before going to the Bond issuance.

Trustee Zabel noted if staff proceeded with the design efforts it would only give the Village an idea of what options would work. The final product would still up in the air along with in house maintenance costs vs. WE Energy costs.

Chm. Kaminski questioned spending on design costs in the event the Village chose WE Energies to continue owning and maintaining the street lighting. It was the Chm. suggestion to have staff investigate whether updates by WE Energies would have to be paid up front or could it be spread out over several years. Interim Supt. Anderson would investigate.

In closing the Committee needed additional information prior to approving engineering design services. It was possible those funds could be used for something else. The Village could continue with the WE Energies program especially if costs do not need to be paid at once.

Trustee Miller noted as the focal point, and highest volume road to the Village, you are only going to get basic poles that WE Energies supplies. If the Village wants decorative poles, then the Village needs to consider another option.

MOTION made by Zabel, seconded by Miller to postpone action on the Mequon Road Street Lighting engineering design services until such time staff can provide additional information on the Village's annual street light maintenance costs and the annual estimated cost savings with the conversion to LED fixtures.

Motion carried unanimously.

SIDEWALK MAINTENANCE DISCUSSION: Interim Supt. Anderson reported the Village maintains 20 miles of public walkways and snow removal on sidewalks is prioritized after Village roadways and public building parking lots are completed. Sidewalk snow removal is not done outside of normal business hours. A snow event of 4" or less takes approximately 14 man hours to clear the walks. A snow event of 5" or greater takes approximately 36 man hours to complete. Over the last two winters approximately 570 man hours were spent clearing public walkways. If the Village were looking to increase/improve the level of service, the Village would need to staff accordingly during the snow event vs. after. Other resident concerns were the condition of the walkways (ice) once cleared. Staff uses a small trackless sidewalk tractor. Due to its size, it is nearly impossible to carry enough salt to cover 20 miles of sidewalk with this equipment. Committee discussion included:

- It is found that other municipalities do not provide sidewalk clearing in front of residential properties.
- There was a time the Village did not clear pathways; Technically a pathway does not need to be cleared.
- As there are many more residents at home, it is found that sidewalk/pathway use has increased. Residents would like to see better clearing in a timelier manner.
- If the Village chose to expand the services of clearing the walkways, is there enough manpower and equipment? Supt. Anderson replied there was not enough manpower and with increased lane miles, staff has chosen to provide better service on roadways.
- Is there Village liability when staff clears a walkway and someone gets injured? Adm. Kreklow stated Village liability falls under two different categories; sidewalks are treated under a different section of the Statutes. Pathways in Parks are covered under Park liability. He was unaware of other municipalities outside of Germantown that do take care of snow removal on the sidewalks. Most municipalities handle sidewalk snow removal responsibilities by passing an Ordinance requiring residents to shovel their own sidewalks which would transfer the liability to the homeowner.

- Complaints have been minimal.
- Sidewalk vs. Asphalt Pathway: Sidewalks are in front of a home, pathways are not adjacent to private property.
- Trustee Zabel gave a brief history of sidewalks vs. asphalt paths. Original Codes were written for pathways. Pathways were not cleared when they were originally installed.
- It was noticed that some Mequon Road businesses have their snow removal contractor clear sidewalks in front of their business.
- Sidewalk clearing should remain with the current level of service.
- In the event a snowstorm happens during a holiday timeframe, the Village may want to consider approving overtime hours for timely clearing.
- Roads should remain a priority with sidewalk cleanup afterwards.

MOTION made by Zabel, seconded by Miller to move Item “C” under New Business to be the last item under New Business of the Agenda.

Motion carried unanimously.

U.S. EPA WIWA RISK & RESILIENCE ASSESSMENT & EMERGENCY RESPONSE

PLAN: Supt. Haugen reported staff would partner with Ruekert and Mielke for research development and plan preparation for the mandated Risk and Resilience Assessment & Emergency Response Plan. Identification includes malevolent acts and natural hazards that threaten the water and computer systems for all the Village’s infrastructure above and below ground. Ruekert & Mielke maintains all the utility infrastructure and digital data along with the original 2004 Emergency Response Plan and would be the most qualified in providing this service.

MOTION made by Miller, seconded by Hudson to approve the services agreement from Ruekert & Mielke in the amount of \$13,900 for the U.S. EPA’s mandated Risk and Resilience Assessment (RRA) and Emergency Response Plan (ERP) for the Village’s Water Utility.

Motion carried unanimously.

AUTHORIZATION OF BLANKET PURCHASE ORDER – HYDRANT

REPLACEMENTS: Supt. Haugen requested an open purchase order for contracted services to provide on a time and material basis for the replacement of non-functioning hydrants, lead/valve assemblies and restoration as needed. Hydrants are part of an ongoing replacement program as the department identifies old & malfunctioning hydrants.

MOTION made by Miller, seconded by Kaminski to forward to the Village Board with a positive recommendation to approve the allocation of a not to exceed \$160,000 in the form of a blanket purchase order for a qualified contract service to provide labor & equipment for the continuing replacement of hydrants, lead, and valve assembly repairs. Funds to be allocated from Acct. #50-180-183-3480.

Motion carried 3-1 (Zabel)

AUTHORIZATION OF BLANKET PURCHASE ORDER – GATE VALVE

REPLACEMENTS: Supt. Haugen requested an open purchase order for contract services on a time and material basis to dig and replace water system gate valves for distribution efficiency. Restoration will take place as needed.

MOTION made by Miller, seconded by Hudson to forward to the Village Board with a positive recommendation to approve the allocation of the not to exceed \$25,000.00 in the form of a blanket purchase order to hire as needed, a contract service for the replacement of water system gate valves to include restoration costs. Funds to be allocated from Acct. #50-180-183-3430.

Motion carried 3-1 (Zabel)

WELL #3 - TONKA AND HMO PLC REPLACEMENT: Supt. Haugen requested authorization to replace the existing PLC's and HMI (visual screen) in the specialized HMO TONKA panel which have reached their service life. The controllers control all the behind the scene operations of the filtration system. The HMO system is proprietary to TONKA & William/Reid is the vendor.

MOTION made by Miller, seconded by Zabel to forward to the Village Board with a positive recommendation to approve the services of William/Reid in the amount not to exceed \$28,600.00 for the replacement of the TONKA Programable Logical Controllers and HMI (visual screen) in the HMO panel. Funds to be allocated from Acct. #50-180-184-3972.

Motion carried unanimously.

PLC & HMI UPGRADE – WELLS #2-3-4-5-7 & TOWERS #1-2-3: Supt. Haugen reported the Programable Logical Controllers and HMI touch screens at the Wells & Towers have come to the end of their service life. The controllers operate the filtration system, pumping control, command remote operations and chemical feed operations. Three proposals were received ranging from \$94,100.00 to \$173,705.00.

MOTION made by Miller, seconded by Zabel to forward to the Village Board with a positive recommendation to approve the services of Terminal-Andrea for the PLC & HMI upgrades for Wells #2-3-4-5-7 & 11 and Towers #1-2 & 3 at a cost not to exceed \$94,100.00.

Motion carried unanimously.

WELL PLC PROGRAMMING: Supt. Haugen reported all six wells, and three water towers were past the PLC and operator interface service life and needed to be upgraded. Staff requested the engineering and programming services of Ruekert & Mielke who have assisted the Village since 1992.

MOTION made by Zabel, seconded by Miller to forward to the Village Board with a positive recommendation to approve the engineering and programming services of Ruekert & Mielke for the PLC upgrades for six Wells and three Water Towers for an amount not to exceed \$77,760.00. Funds to be allocated from Acct. #50-180-185-3972.

Discussion followed. Trustee Zabel requested staff consider additional quotes in the future. Additional expenditures to come out of the utility funding.

Motion carried unanimously.

5 YEAR ROAD IMPROVEMENT PROGRAM – DISCUSSION: Dir. Ratayczak brought forth the Village's five year road improvement program with visual mapping. Road selection was performed with the PASER Rating given most of the weight in selecting roads with additional consideration within the PASER Rating to roads having a particular default that would require more immediate attention. The goal is to achieve an average PASER Rating of 5. Currently the average is 5.66. The yearly Road Program budget is set at \$1.5 million. Staff calculated road improvement costs below the budgeted number offering flexibility with incoming bids. Discussion followed noting Lovers Lane and Century Lane improvements will be postponed until right of way issues were resolved. A development summary sheet was created to allow all departments (highway and utilities) to review the improvement program for planning purposes. Additional comments included:

- Country Aire Drive is a highly traveled road and the road surface is terrible; Dir. Ratayczak stated the overall pavement condition was in good shape. The transverse cracking was the cause of the terrible ride. Staff will take core samples to determine underlying materials as it is believed to be the cause of the transverse cracking. If in fact it is a concrete base, the asphalt surface would need to be removed and the concrete base broken up underneath. An asphalt surface would be re-installed.
- Division Road is on the schedule for year 2022. Improvements will be from Revere Lane to Mequon Road at a cost of \$1.3 million.
- Adm. Kreklow noted a 5 year Road Improvement Program was better than a 10 year program. Coordinating road improvements with utility improvements becomes complicated if you switch roads to be done in certain years.
- The select roads proposed could all change if there were major utility issues.
- The Road Improvement Program is flexible. The PASER Rating is updated every 2 years.

2021 ROAD IMPROVEMENT PROGRAM: Dir. Ratayczak provided for Committee review the proposed 2021 Road Improvement Program. Specific questions were answered on the road selection.

MOTION made by Miller, seconded by Kaminski to approve the 2021 Road Improvement Program as presented.

Motion carried 3-1 (Zabel)

GRAEF CONTRACT EXTENTION – ENGINEERING DEPARTMENT: Dir. Ratayczak reported the Village is currently under contract with Graef for the engineering services to assist the Engineering Department with projects, reports and submittals. Staff has requested an extension of the Graef Engineering agreement until March 31, 2021 at which time staff will re-evaluate the need to continue with additional services. Discussion ensued on the tasks moving forward.

MOTION made by Zabel, seconded by Miller approving the extension of the Graef Engineering Services Contract until March 31, 2021.

Motion carried unanimously.

CHANGE ORDER – NORTHEAST INTERCEPTOR PROJECT: Dir. Ratayczak reported the Northeast Interceptor project encountered a section of soil that was not conducive to the installation of the proposed 12 inch pipe by the open cut method. Three options were investigated with the selection being the installation of a 24 inch diameter steel casing bored in place. The additional cost was \$259,895.00.

MOTION made by Miller, seconded by Hudson to forward to the Village Board with a positive recommendation to approve the Northeast Interceptor Sewer project change order in the amount of \$259,895.00.

Motion carried 3-1(Zabel)

ENGINEERING DESIGN SERVICES – HOLY HILL ROAD RECONSTRUCTION PROJECT: As part of the TID#8 requirements, staff requested proposals from six engineering firms for the engineering design services for the reconstruction of Holy Hill Road from “B” Street to approximately 150 feet east of Goldendale Road. Four proposals were received and reviewed by staff with costs ranging from \$164,738 to \$339,920. Construction is slated for winter 2021 to early Spring 2022.

MOTION made by Miller, seconded by Hudson to forward to the Village Board with a positive recommendation to approve the engineering design services of raSmith in the amount of \$164,738 for the Holy Hill Road reconstruction project.

Motion carried unanimously.

DPW ORGANIZATIONAL STRUCTURE: The Public Works & Highway Committee may convene into closed session per Wis. Stats. §19.85(1) (c) considering employment, promotion, compensation, or performance evaluation data of any public employee over which the governmental body has jurisdiction or exercises responsibility and may convene into open session to take such action as it deems appropriate.

Adm. Kreklow provided the Committee with the following on the reorganization of the Dept. of Public Works to include staff turnover, PAA Organizational Review, Interim Action Steps, Proposed Long-term Structure and proposed DPW Organization Structure.

Committee comments included;

- Two Civil Engr. positions to be filled. Instead of a Director, Village Engr. & Civil Engr., the Director will hold both the Director and Village Engineer positions with two proposed Civil Engr. positions.
- Is the proposed structure presented a temporary solution or do we work towards the way other surrounding municipalities run their engineering departments? Adm. Kreklow did not want to call the reorganization temporary but a transitional structure in place for 3-5 years.

- Define success. How do we know the reorganizational structure is working? Adm. Kreklow stated you will know if the structure is working if in two years the positions are filled and there is some depth in the Public Works organization. Secondly would be building up institutional knowledge within Public Works. Trustee Hudson noted if the plan is to hire one person over a period of time, the metrics to determine if the plan is a success or not can not be applied because you are talking about hiring over a period of 18 months.
- Chm. Kaminski believed you would be able to tell if the plan was working within 2 years. Communication with employees and determining how much work is getting done is important. It has been difficult over the past year to find engineers at anything close to a reasonable salary. Even though this is a temporary fix with the potential for the structure being permanent, it should be tested for a year to see how it is working.
- Trustee Miller voiced concern with the Administrator taking on various departments. The title of Director of Public Works applies that position oversees all of public works. It diminishes the chain of command.

MOTION made by Zabel, seconded Miller to convene into closed session with the Committee, Director of Public Works, and Village Administrator at 8:10 p.m.

Motion carried unanimously.

MOTION made by Zabel, seconded by Miller to reconvene into open session at 8:36 p.m.

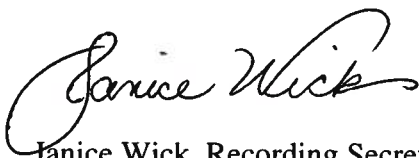
Motion carried unanimously.

PROJECTS UPDATE: No Discussion.

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

ANNOUNCEMENTS: None.

ADJOURNMENT: There being no further business, the meeting was adjourned at 8:37 p.m.



Janice Wick, Recording Secretary

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

MEETING DATE: Tuesday February 2nd, 2021

AGENDA ITEM: Unfinished Business

ITEM TITLE: Mequon Road Street Lighting

SUBMITTED BY: Scott Anderson, Interim Highway Superintendent

SUMMARY EXPLANATION:

Funds were added to the 2021 Highway Department budget in the amount of \$400,000.00 to address the lighting issue discussed at the Public Works committee meeting back in July of 2020. At the July meeting, there was discussion about WE Energies maintaining ownership of the lighting and the village having to pay for the new lighting that would be installed by WE Energies. This option leaves the village in a position of perpetual monthly rental and energy costs. There was also discussion about WE Energies abandoning the existing lighting and the village contracting to have new lighting installed. This lighting would be owned by the village and maintained by the Highway Department like most main throughfare lighting in the rest of the village. The budgeted amount will cover either option that is chosen.

If we want to complete this project in 2021, there is a fair amount of planning that we can start now. I want to ensure that I am moving forward in a direction that the committee and board agree with, and make sure that there is a commitment the project.

During the January meeting, there were several questions asked by the committee regarding the project to help them decide which direction to move forward. Along with this document, there is a copy of my notes which provide answers to all the questions asked at last month's meeting. There are also images provided by WE Energies and Traffic Engineering Services that give an example of what can be expected regarding the pole and lighting material selections.

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER x

RECOMMENDATION:

Staff recommends using Traffic Engineering Services to design a new lighting system that will be owned by the village and maintained by village staff. Staff is requesting commitment to the project and approval to move forward with the design phase. Design is budgeted at and shall not exceed \$20,000.00. If approved, funds shall be allocated from 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.

Street Lighting Memo / January Public Works Question Answers

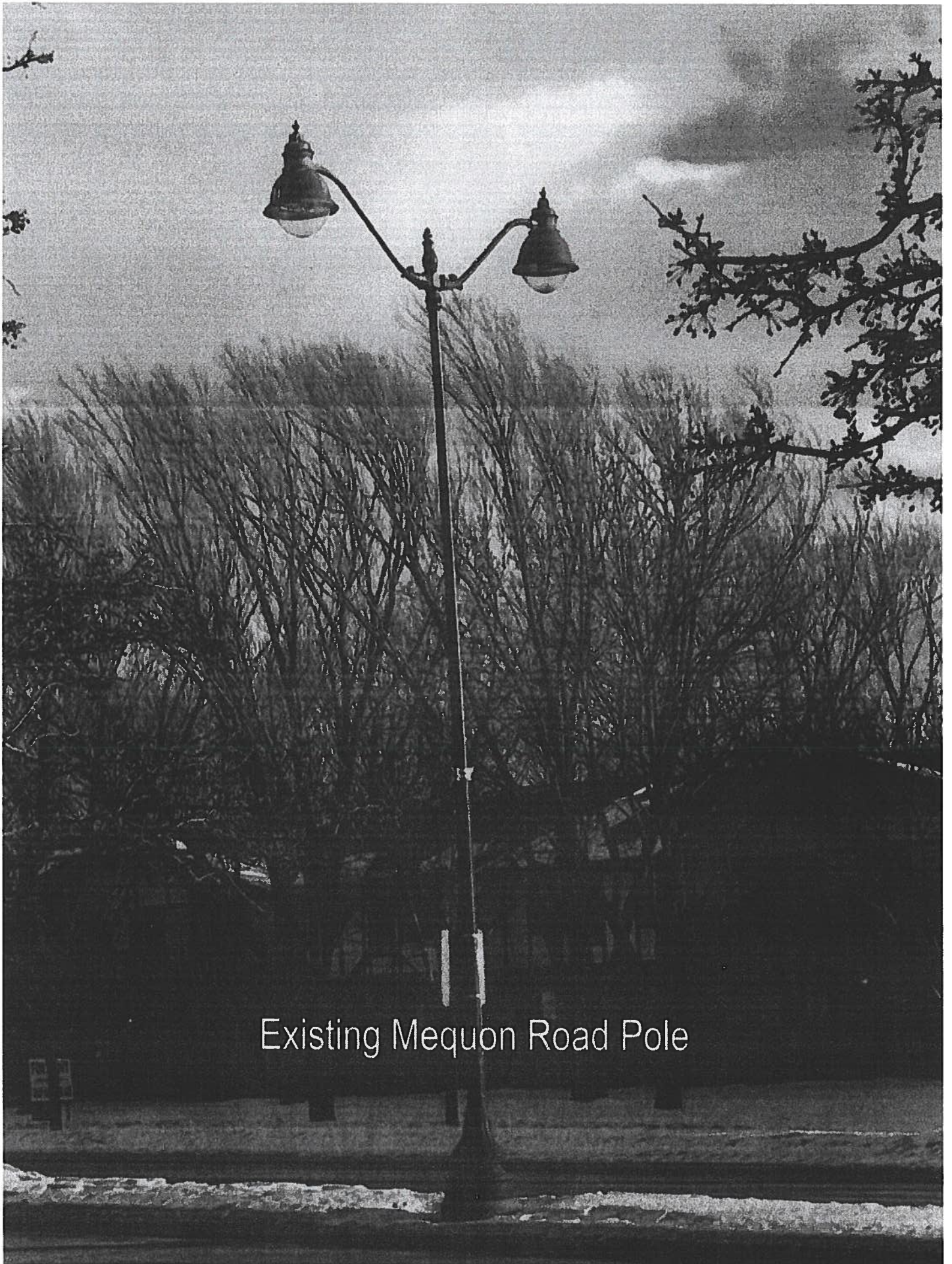
Notes from phone call with WE Energies representative Andrea Hatton on 1/21/2021

- WE Energies can no longer source a pole and will be changing fixtures to something simpler as needed based on maintenance / repair.
- If a knockdown takes place, WE Energies will not be able to provide a matching pole.
- WE Energies design costs are figured into the \$186,000.00 lump sum dollar amount.
- \$186,000.00 lump sum must be paid in full at the time of construction and cannot be paid over an extended period.
- WE Energies does have decorative poles available for neighborhoods, but these poles would not be applicable along a main throughfare as they would not provide adequate lighting. Additionally, WE Energies is not willing to source a specific pole for Germantown. We must select something they already stock (please see images provided).
- WE Energies estimates a 25-year life expectancy on the equipment they provide. After that, replacement costs go back to the municipality.
- Current cost per fixture is \$23. This covers maintenance and electricity. Future monthly cost is \$14 per fixture and covers maintenance and electricity. Cost reduction is due to less energy consumption and lower product costs estimated with new fixtures. The \$14 is just about split evenly between maintenance and energy consumption.

Germantown Average Maintenance Record performed by village staff 1/21/2021.

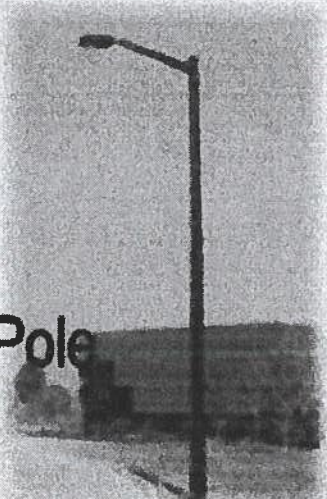
- Germantown is currently responsible for 15 signalized intersections with the 16th slated for construction 2021. Village staff also currently maintains 26 areas of street and parking lot lighting which equates to 431 total fixtures. An estimated 95% of this maintenance is currently completed in house by village staff.
- All examples shown below are LED converted areas (completed by village staff over the last several years). Costs include materials (lamp, fuses or possible wiring), and current labor / equipment rates. This does not include knockdown maintenance, as this is most often recovered from the offending driver. It is also important to note that overall maintenance costs have gone down in recent years due to the LED conversions. When comparing the costs below, WE Energies is estimating approximately \$7.00 per fixture per month for maintenance costs (not energy). Three areas currently maintained by village staff are listed below as an example.

- Lannon Road (41 to Old Mequon 28 fixtures) maintenance records for 2019 / 2020. The average cost per fixture for maintenance only (not energy) is .73 per fixture per month during this time.
- Appleton Avenue (County Line through Wal-Mart 50 fixtures) maintenance records for 2019 / 2020. The average cost per fixture for maintenance only (not energy) is .64 per fixture per month during this time.
- Main Street (145 to Squire Drive 38 fixtures) maintenance records for 2019 / 2020. The average cost per fixture for maintenance only (not energy) is \$1.60 per fixture per month.



Existing Mequon Road Pole



Name	Photo
Fiberglass (smooth)	
WE Energies New Pole Example #2.	

Traffic Engineering Example #1.

GlasWerks LED

Contemporary Outdoor LED Pendants

by **Lightolier**



Outdoor LED Area and Roadway Pendant for Municipal Streets, Commercial Plazas, Retail Centers, Campuses, Waterfronts, and Residential Districts

GlasWerks® LED is a contemporary, Euro-styled design family of outdoor LED Pendants utilizing multiple styles and optical configurations. This end-of-state generation builds off the GlasWerks II HID Series strengths of significant product breadth and style choice, glass optics and appealing seamless profile while adding state-of-the-art technology and mechanical design.

The following are product attributes for the GlasWerks LED Series luminaires: Contemporary design; Multiple style choices; Multiple lumen package choices; Asymmetric and symmetric lighting distributions; E-8NA full cutoff versions; Tool-less electrical component access; Universal electrical component tray; Ease of maintenance/installation; Arm mount or pendant mount.

Four different housing styles are available, each with choice of prismatic, tear drop or bowl glass refractors, or flat glass for cutoff distributions.

Also see **GlasWerks II for HID options**.

Listing: The luminaire is IP rated and is suitable for wet locations up to 40°C ambient temperature, depending on voltage. Product is CSA listed.

Specifications

ARCHITECTURAL STYLE	Transitional
BRAND	Holophane
COLOR RENDERING INDEX	70
CORRELATED COLOR TEMPERATURE	2700 K, 3000 K, 4000 K, 5000 K
ENVIRONMENT	Outdoor
LIGHT SOURCE	LED - 58W
REGULATORY LISTING	CSA, DLC Standard
COMPLIANCE LISTING	DLC Standard
MOUNTING TYPE	Arm Mount, Pendant
PRODUCT TYPE	Pendant



Downloads

[View Product](#)



GlasWerks II

Contemporary

by Halexchange

For Municipal Streets, Commercial Plazas, Retail Centers, Campuses, Waterfronts, and Residential Districts. GlasWerks II is a contemporary, Euro-styled design family utilizing eight different styles, combined with a wide array of glass optics; make this product the most extensive product family available in the marketplace. This second generation offering builds off the original GlasWerks Series strengths of significant product breadth and style choice, sparkling performance of prismatic borosilicate glass, and appealing seamless profile while adding an entirely new state-of-the-art mechanical design.

The following are product attributes for the GlasWerks II Series luminaires: Contemporary design, eight style choices; Urban and pedestrian scale for boulevard and area lighting applications; Permanent, durable borosilicate glass refractor design; Prismatic light control; Eleven optical choices; Asymmetric and symmetric lighting distributions; IESNA full cutoff, cutoff, and side-cutoff availability; Uplight and non-uplight versions; Wide choice of low and high wattage lamp sources in high-pressure sodium, metal halide, induction, and incandescent; Tool-less entry lamp access; Tool-less electrical equipment access; Universal electrical component tray; Ease of maintenance/installation; Arms inbuilt or pendant mount.

Listings: Standard product is UL and ETL approved. For listing availability consult factory.

Specifications

ARCHITECTURAL STYLE	Transitional
BRAND	Halexchange
ENVIRONMENT	Outdoor
FUTURE WATERS	Not Applicable
LIGHT SOURCE	HID
REGULATORY LISTING	UL
MOUNTING TYPE	Arm Mount, Pendant
PRODUCT TYPE	Pendant
SERIES	GE, GE, GM, GN, GP, GR, GS, GV, VP
VOLTAGE RATING	120-277, 347-480

Traffic Engineering Example #2.



[Download](#)

[View Product](#)

SMA Pole

Salem Decorative Cast Aluminum Poles

by Holopane

Intended Use: Lighting Post for city streetscapes, public areas and parks, higher education campuses, residential developments, paths and walkways.

Features: Salem decorative posts provide a light weight solution for a variety of roadway, walkway and outdoor area applications. In addition to the factory powder finish, a variety of post accessories are available including flag pole holders, banner arms, planters and receptacles. Roadway arms, crossarms and bollards are also available in a variety of styles to complement each Holopane decorative pole family. Refer to spec sheets for exact specifications and configuration options.

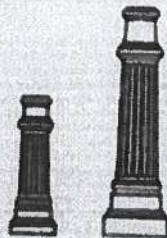
Construction: Aluminum

Shaft Style: Fluted tapered, fluted straight, smooth straight, smooth tapered or Sitedyn TracPole

Mounting: Anchor base or direct burial

Base Diameter: 16"

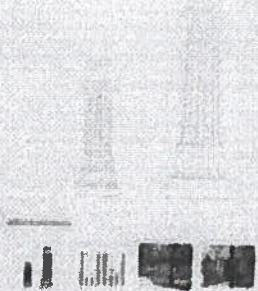
Height: 8'-16'



Specifications

ARCHITECTURAL STYLE	Historical
BRAND	Holopane
ENVIRONMENT	Outdoor
MOUNTING TYPE	Base Mount
PRODUCT TYPE	Pole
SERIES	SSSA

Traffic Engineering Example #3.



Drawn: 11/11/11

Rev: 11/11/11

Scale:

Sheet: 1 of 1

Project: 11/11/11

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

MEETING DATE: Tuesday February 2nd, 2021

AGENDA ITEM: New Business

ITEM TITLE: Fire Station Generator Transfer Switch Replacement

SUBMITTED BY: Scott Anderson, Interim Highway Superintendent

SUMMARY EXPLANATION:

As part of the 2021 budget process, \$17,600.00 was budgeted as non-borrowed capital to replace the generator transfer switch at the Germantown Fire Station. The existing transfer switch is original to the building and is currently in disrepair. The existing switch is housed in a painted steel cabinet that is currently rusting both inside and out. This transfer switch will soon start leaking, which could lead to electrical issues, causing the building not to transfer over to generator power during an emergency. Staff solicited proposals from several area contractors for replacement and the results are listed below. While the project should come in under budget, staff is seeking approval for the full \$17,600.00 as a contingency to cover any unforeseen problems that we may encounter.

Piper Electric: \$15,965.00

Lemberg Electric: \$17,200.00

Roman Electric: \$29,310.00

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER x

RECOMMENDATION:

Staff recommends contracting with Pieper Electric to furnish and install a new Kohler 600-amp transfer switch in an amount not to exceed \$17,600.00. If approved, funds shall be allocated from account: 10-519-570-8222.

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: Tuesday February 2nd, 2021

AGENDA ITEM: New Business

ITEM TITLE: 2021 Library Boiler Replacement Project

SUBMITTED BY: Scott Anderson, Interim Highway Superintendent

SUMMARY EXPLANATION:

During the 2021 budget process, \$66,000.00 was added for the replacement of (2) boilers at the Library. Staff worked closely with Johnson Controls to specify the correct boilers for our application. Staff requested proposals from several area contractors and the results are listed below for your review.

During the specification process Johnson Controls did suggest using a boiler that is more efficient. Unfortunately, Johnson controls was not part of the process as staff put together the 2021 budget and the option does exceed the budgeted amount. The more efficient option will likely bring a 17% energy saving to the village. Staff reviewed the estimated 17% savings over one year and found that over the life of the boilers, the return on investment will take place in approximately 9 years. This would leave approximately 11 years that could be saved toward future boiler replacement. You will see that there are (2) prices listed per contractor, as staff requested pricing options for both levels of efficiency. Staff is recommending the greater efficiency boilers because they are likely to provide the village with savings that can help offset future replacement. Administrator Kreklow did add that at this point, barrowing can be increased to offset the cost difference of the project. If the committee and board prefer the lower efficiency models, they will serve the village well and will fall within the budgeted amount.

Johnson Controls:	85% efficient \$53,491.00	97% efficient \$76,880.00
GrunauCompany	85% efficient \$63,855.00	97% efficient \$89,040.00
Goschey Mechanical:	Declined bidding.	

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER x

RECOMMENDATION:

Staff recommends Johnson Controls to furnish and install (2) 97% efficient HTP Elite XL boilers. If approved, the project shall not exceed \$76,880.00, and funding shall be taken from capital account: 40-519-570-8251. Staff will not execute the project until after the 2021 borrowing has occurred.

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: Tuesday February 2nd, 2021

AGENDA ITEM: New Business

ITEM TITLE: Highway Department Patrol Truck

SUBMITTED BY: Scott Anderson, Interim Highway Superintendent

SUMMARY EXPLANATION:

During the 2021 budget process, \$200,000.00 was added to the Highway Department capital budget for the replacement of a Highway Department patrol truck. The useful service life of the departments patrol vehicles is currently at 14 years. It is important for winter operations and budgeting that we work to keep our current replacement cycle. As you will see below, staff solicited the truck chassis purchase from three various vendors in our region. Regardless of where the truck is purchased, Burke Truck & Equipment Inc. assembles the remaining equipment. I expect the purchase to come in at the costs presented below, but due to volatility of steel costs and other related materials, I am requesting the remaining 2.4% budgeted as a cushion.

Truck Country of Wisconsin / Burke Truck & Equipment Inc.: \$195,130.00

Quality Truck Care Center / Burke Truck & Equipment Inc.: \$196,101.00

I State Truck Center: Declined bidding.

ATTACHMENT: ORDINANCE_____ RESOLUTION_____ OTHER x

RECOMMENDATION:

Staff recommends purchasing the Western Star Patrol truck and associated winter attachments from Truck Country / Burke Truck & Equipment Inc. If approved, the purchase amount shall not exceed \$200,000.00 and shall be funded from capital account: 40-542-570-8520. Staff will not execute the purchase until after the 2021 borrowing has occurred.

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: Tuesday February 2nd, 2021

AGENDA ITEM: New Business

ITEM TITLE: First Response System, Salt & Brine Insert

SUBMITTED BY: Scott Anderson, Interim Highway Superintendent

SUMMARY EXPLANATION:

During the 2021 budget process, \$76,000.00 was added to the Highway Department capital budget for the replacement of our current salt brine pre-treatment system. The new insert has a dual function as it will be used to pre-treat prior to a pending snow event and will also carry salt and provide pre-wetting functions during a snow operation. When salt brine pre-treatment was new to the industry, Germantown modified an existing piece of equipment to complete the task. The equipment currently used was old at the time it was put together and has functional limitations that make application less effective. Pre-treatment has become widely used as an industry standard, and Germantown uses pre-treatment as a major part of our arsenal as we prepare for pending snow events. Staff is only recommending the Henderson 11' First Response System as it fully integrates with our current truck operating system, Force America 6100. Casper's Truck Equipment is the only vendor in our region that can provide the Village with this specific piece of equipment.

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER x

RECOMMENDATION:

Staff recommends purchasing the 11' First Response System from Casper's Truck Equipment. If approved, the purchase amount shall not exceed \$76,000.00 and shall be funded from capital account: 40-542-570-8520. Staff will not execute the purchase until after the 2021 borrowing has occurred.

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: Tuesday February 2nd, 2021

AGENDA ITEM: New Business

ITEM TITLE: Takeuchi TB290 Track Mini Excavator

SUBMITTED BY: Scott Anderson, Interim Highway Superintendent

SUMMARY EXPLANATION:

During the 2021 budget process, \$140,000.00 was added to the Highway Department capital budget, for the addition of a track mini excavator and associated attachments. A similar, but smaller machine already owned by the village is shared between the Highway Department and the Sewer Utility and is used almost daily during the construction season. The addition of this machine will allow for multiple projects to be on-going simultaneously. This machine is also slightly larger, which will add to the functions it can perform for the village, which can include ditch maintenance among many others. Having this machine will also help prolong the life of our 2002 Liebherr 904 which is an integral part of the villages bi-annual brush pick-up and has a replacement cost of nearly \$300,000.00. The smaller Takeuchi currently owned by the village is seven years old and has performed very well for the village both in functionality and that it has not needed any additional maintenance other than routine. The operation of the TB290, will function the same as our existing Takeuchi TB153, which will provide operator ease and a level of safety on the job site. After reviewing all four units, and as outlined below, staff is recommending a machine that is not the low bid, however the numbers are provided for committee review.

Bobcat E85:	\$104,975.68
Link-belt 80X3:	\$110,266.00
Takeuchi TB290:	\$116,710.00 (Recommended)
Kobelco SK85CS-7	\$153,550.00

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER x

RECOMMENDATION:

Staff recommends the purchase of a Takeuchi TB290 in an amount not to exceed \$116,710.00. If approved funds shall be allocated from capital account: 40-542-570-8450. Staff will not execute the purchase until after the 2021 borrowing has occurred.

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: February 2nd, 2021

AGENDA ITEM: New Business

ITEM TITLE: Consideration of Invoice – D.F. Tomasini
Water main repair Hudson Dr.& Catskill - 12/17/2020.

SUBMITTED BY: Paul Haugen, Water Utility Superintendent

SUMMARY EXPLANATION:

A water main break occurred on Hudson Dr. east of Catskill and due to timing and severity, we contracted DF Tomasini for the emergency repair. After excavating down to the main it was determined that a 14" concrete storm sewer was damaged from the water turbulence and needed to be replaced. This extended the repair time considerably to get extra storm replacement parts.

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER X

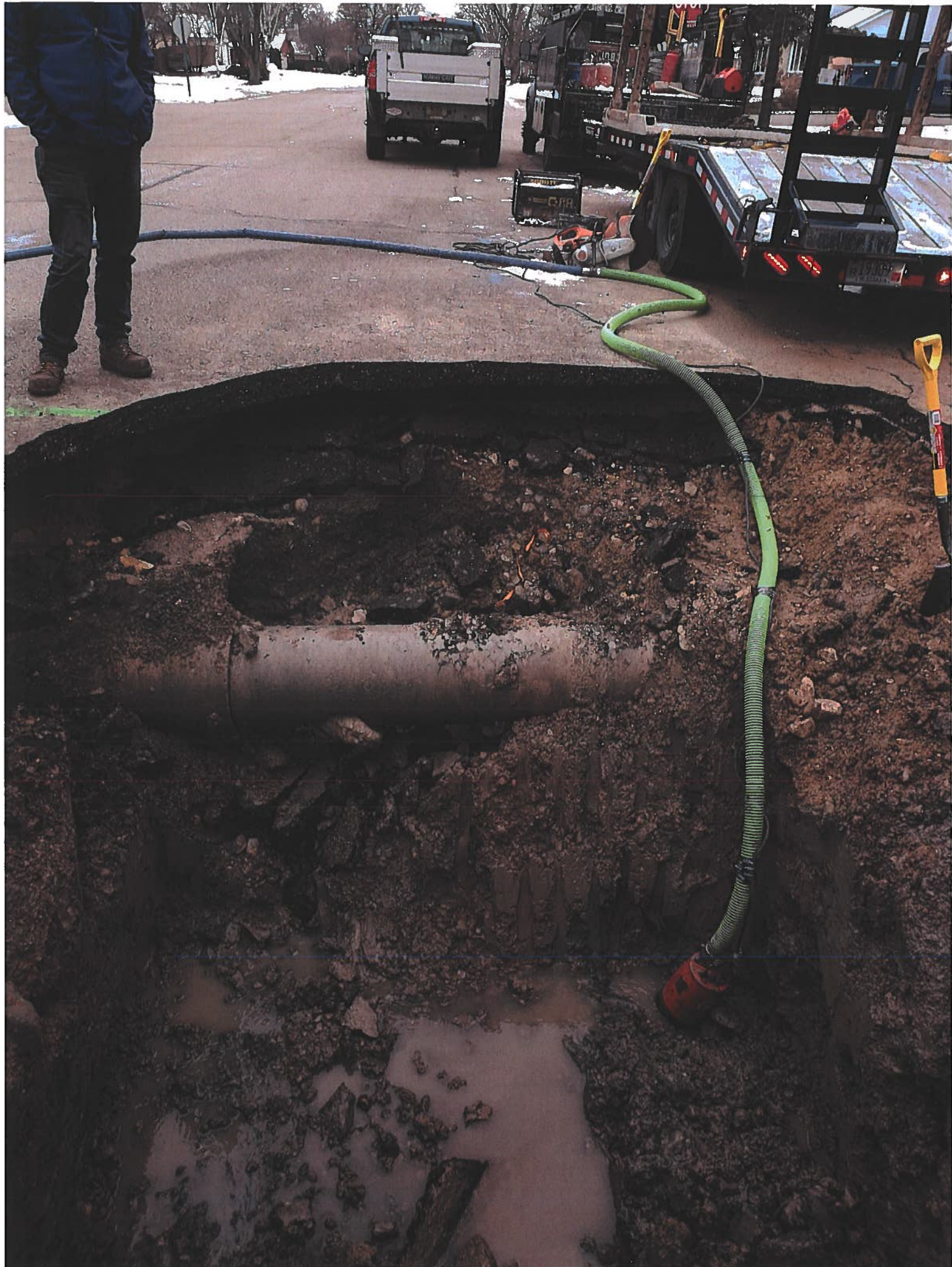
RECOMMENDATION:

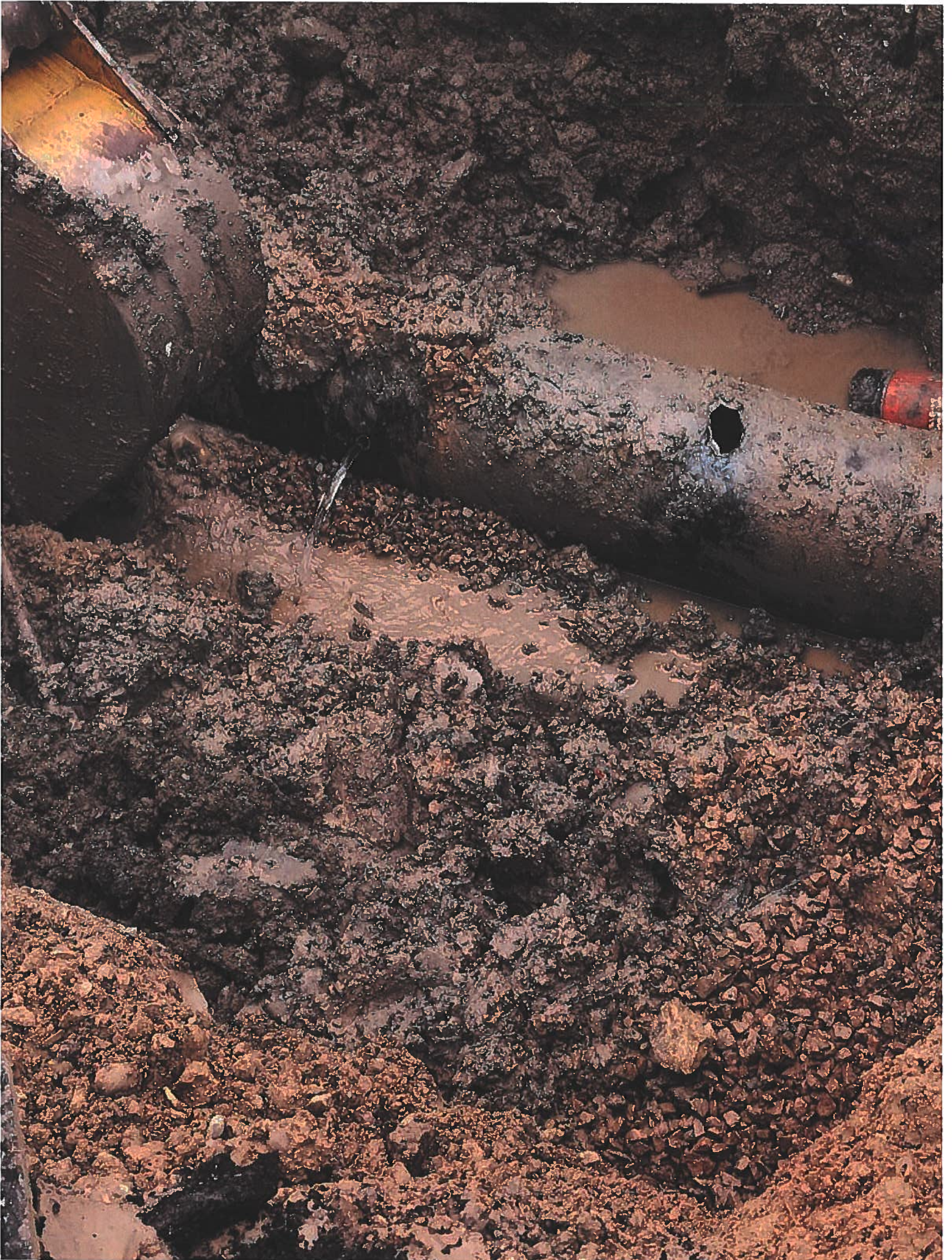
Staff recommends paying the invoice from DF Tomasini in the amount of \$9,004.00 for the emergency repair of a watermain on Hudson Drive at Catskill Lane.

The amount will come out of the maintenance of mains account #50-742-530-6730.

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: February 2nd, 2021

AGENDA ITEM: New Business

ITEM TITLE: Consideration of Invoice – D.F. Tomasini
Water main repair/valve installation -Carnegie Dr. - 12/10/2020

SUBMITTED BY: Paul Haugen, Water Utility Superintendent

SUMMARY EXPLANATION:

A water main break occurred on Carnegie Drive and due to timing, severity and large business that would have been shut off, we contracted DF Tomasini for the emergency repair. We required two excavation crews at two separate locations to expedite the repair starting at 4 am. We repaired an old live tap valve that was used to shut down this main several years ago. We also installed an additional 12” valve to aid any future shut offs.

ATTACHMENT: X ORDINANCE ____ RESOLUTION ____ OTHER X

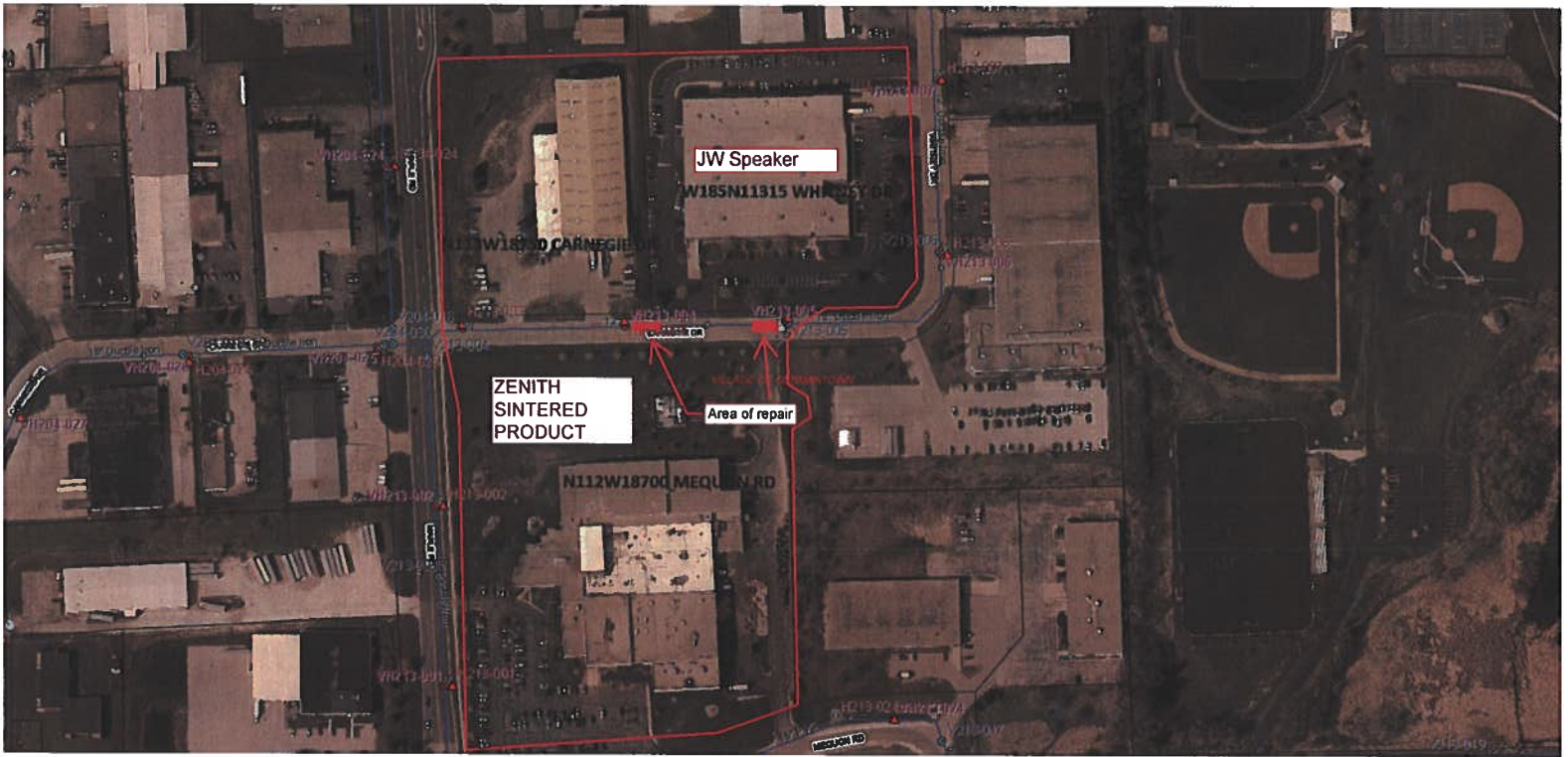
RECOMMENDATION:

Staff recommends paying the invoice from DF Tomasini in the amount of \$17,518.00 for the emergency watermain repair and valve installation on Carnegie Drive.

The amount will come out of the maintenance of mains account #50-742-530-6730.

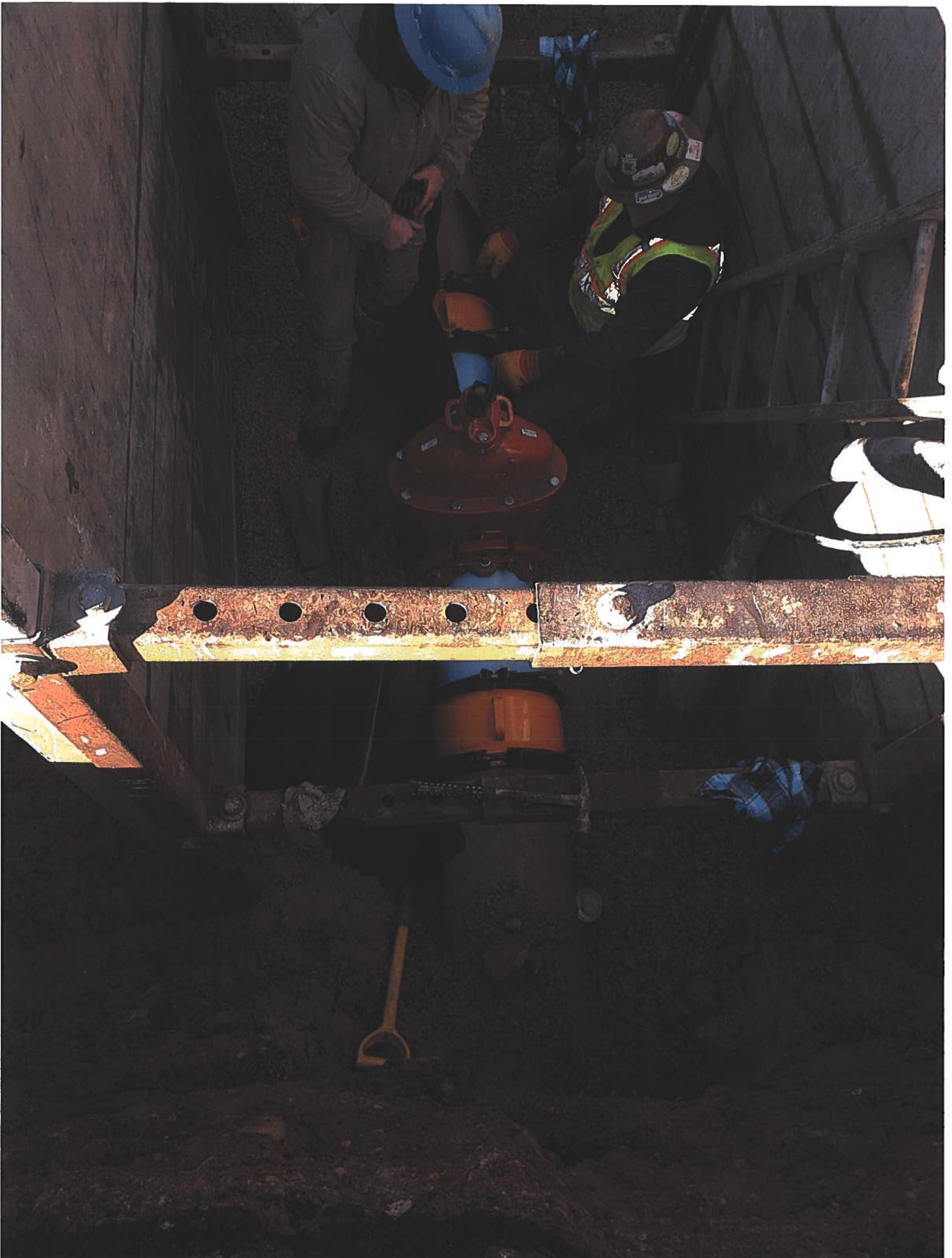
COMMITTEE ACTION:

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









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

MEETING DATE: February 2, 2021

AGENDA ITEM: New Business

ITEM TITLE: Award Contract- Wendy Ln / Division Rd Water Main

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

SUMMARY EXPLANATION:

The Wendy Lane / Division Road Water Main project bid opening was January 26, 2021. The Village engineer desired to get this project to the Public Works Committee in a timely basis and for that reason the bid results will be presented at the night of the meeting.

In Summary, this project was brought to the Committee to evaluate the availability to extend water main on Wendy Lane to serve a resident that has a well that no longer functions. Engineering staff investigate the project and determined it would be best for the Village water system if the water main were extended to make another connection to a dead-end water main on Division Road. This would also create an additional source of water to feed the water main crossing under the Interstate Highway serving areas west of the Interstate Highway. The Public Works Committee approved by motion, 9/10/2020, to extend water main on Wendy Lane from Dotty Way to Division Rd.

In determining the scope of the project engineering staff also identified that installing water main on Division Rd from Wendy Ln to Concord would eliminate two additional dead-end water mains. Dead-end water mains cause a maintenance issue for the Water Utility; therefore, the engineering staff decided to request in the bid the cost to install the water main on Division Rd. This bid cost will also be presented. It is the hope of the Village staff that this section of water main would be included in the award of the project.

ATTACHMENT: ORDINANCE____ RESOLUTION____ OTHER XX

- Revised Backup including Bid Results.

RECOMMENDATION:

Staff recommends that the Public Works Committee forward on to the Village Board with a positive recommendation to award the Wendy Lane Water Main contract to _____ in the amount of \$_____, in addition staff is requesting a 5% contingency or \$_____, with the total amount requested for award to be \$_____.

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

MEETING DATE: February 2, 2021

AGENDA ITEM: New Business

ITEM TITLE: 48" CIPP Interceptor Lining – Bid Results

SUBMITTED BY: Timothy K. Zimmerman, Wastewater Superintendent

SUMMARY EXPLANATION:

Information will be provided the evening of the meeting.

ATTACHMENT: ORDINANCE_____ RESOLUTION_____ OTHER X

RECOMMENDATION:

COMMITTEE ACTION:

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

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

MEETING DATE: February 2, 2021

AGENDA ITEM: New Business

ITEM TITLE: Wastewater Utility Truck - Purchase

SUBMITTED BY: Timothy K. Zimmerman, Wastewater Superintendent

SUMMARY EXPLANATION:

Information will be provided the evening of the meeting.

ATTACHMENT: ORDINANCE_____ RESOLUTION_____ OTHER X

RECOMMENDATION:

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: February 2, 2021

AGENDA ITEM: New Business

ITEM TITLE: Village Labor & Equipment Rates - 2021

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

SUMMARY EXPLANATION:

As the Village may be requested for personnel or equipment to assist in a project, staff typically prepares a list of rates to be charged for labor and equipment. For 2021 staff is recommending a 2.5% rate increase for labor and a 3% rate increase for equipment.

ATTACHMENT: ORDINANCE_____ RESOLUTION_____ OTHER X

Proposed Labor and Equipment Rates for 2021.

RECOMMENDATION:

Staff recommends that the Public Works Committee forward on to the Village Board with a positive recommendation for 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.

[illegible]

EQUIPMENT RATES -- 2021

VILLAGE OF GERMANTOWN

EQUIPMENT DESCRIPTION	Annual Hourly Rates		
	2019	2020	2021
Cruz-Air	\$70.01	\$72.11	\$74.27
Case Backhoe & Loader	\$41.33	\$42.57	\$43.85
Michigan Loader	\$52.81	\$54.40	\$56.03
Case/John Deer Loader/Snow Plow	\$89.55	\$92.24	\$95.01
Case/John Deer Loader/Snow Blower	\$121.69	\$125.34	\$129.10
Single Axle Dump Truck (5yd)	\$37.88	\$39.02	\$40.19
Single Axle Dump Truck w/Plow/Aux. Wing/Sander (5 yd)	\$60.84	\$62.67	\$64.55
Tandem Axle Dump Truck	\$50.52	\$52.03	\$53.59
Tandem Axle Dump Truck w/Plow/Aux. Wing/Sander	\$74.62	\$76.86	\$79.17
Quad Axle Dump Truck	\$87.55	\$90.18	\$92.89
1-Ton Patrol Truck (2-3 yd)	\$28.71	\$29.57	\$30.46
1-Ton Truck w/Plow	\$35.59	\$36.66	\$37.76
Truck w/Water Jetter w/Aux. Power Unit	\$57.40	\$59.12	\$60.89
Aerial Lift Truck	\$71.18	\$73.32	\$75.52
3500- Truck w/ Utility Box & Crane	\$65.00	\$65.00	\$65.00
Pickup Truck	\$22.39	\$23.06	\$23.75
Pickup Truck w/Plow	\$32.15	\$33.11	\$34.10
Self Propelled Vibrating Roller	\$43.62	\$44.93	\$46.28
Self Propelled Non-Vibratory Roller	\$40.18	\$41.38	\$42.62
185 cfm Air Compressor (Portable)	\$32.15	\$33.11	\$34.10
Street Sweeper 40 Hp w/Front Mounted Broom	\$42.47	\$43.75	\$45.06
Vacuum Sweeper	\$94.14	\$96.96	\$99.87
Vac All	\$98.73	\$101.69	\$104.74
Sewer line Televising Truck	\$133.17	\$137.17	\$141.29
Combination Sewer Machine (pipe jetter & vac)	\$160.72	\$165.54	\$170.51
Mini Excavator	\$56.28	\$57.96	\$59.70
Skid Steer Loader w/Bucket	\$36.74	\$37.84	\$38.98
Skid Steer Loader w/Snow Blower/Broom	\$40.18	\$41.38	\$42.62
20" Enclosed Trailer	\$15.00	\$15.00	\$15.00
REX Valve Turner	\$83.00	\$83.00	\$83.00
10' Utility Trailer	\$12.00	\$12.00	\$12.00
Tar Kettle	\$39.03	\$40.20	\$41.41
Motorized Mower (24" & Under)	\$15.22	\$15.68	\$16.15
Motorized Mower (25"-47")	\$21.24	\$21.88	\$22.54
Motorized Mower (48" & larger)	\$24.68	\$25.43	\$26.19
Tractor w/Sickle or Flail Mower	\$52.81	\$54.50	\$56.14
		\$56.14	\$57.82
		\$57.82	\$59.55

Chain Saw	\$14.07	\$14.50	\$14.94
Hydraulic Saw	\$14.07	\$14.50	\$14.94
Hydraulic Pruner	\$14.07	\$14.50	\$14.94
Chipper	\$45.92	\$47.29	\$48.71
Generator (225 Kw)	\$65.43	\$67.40	\$69.42
Generator (Under 10 Kw)	\$28.71	\$29.57	\$30.46
		\$30.46	\$31.37
Trailer Mounted Vacuum Excavator & Valve Turner	\$96.43	\$99.33	\$102.31
6 " Pump/Hose	\$35.59	\$36.66	\$37.76
4" Pump/Hose	\$29.85	\$30.75	\$31.67
3" Pump/Hose	\$24.68	\$25.43	\$26.19
Barricades-----DAILY COST	\$3.44	\$3.55	\$3.66
Traffic Control Signs-----DAILY COST	\$1.73	\$1.78	\$1.83
NOTE: 2021 rates reflect a 3% increase of 2020 rates			

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

MEETING DATE: February 2, 2021

AGENDA ITEM: New Business

ITEM TITLE: Village Hall/Library EMC Sign_ Discussion

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

SUMMARY EXPLANATION:

The Village Hall/Library EMC Sign has been on the sideline due to the extensive workload and short staffing of the Engineering Department. But it has come time to obtain final approvals of this long-awaited project and complete construction through the spring of 2021.

You may remember that back in March-April of 2020 I conducted a survey of the Village Hall and Library employees with regards to their choice of the best design. The survey included 4 proposed designs. I then took the two highest scored signs and added one additional design that came out of the employee survey and conducted a survey of the Trustees with the 3 sign designs. The Trustee survey resulted in the sign attached to this back up. The results heavily favored the sign that is attached (6-1-1; one trustee did not vote).

The sign will be programable from a computer or cell phone. Messages on the EMC will remain under the approval of the Village Administrator.

Estimated cost is \$60,000.00. The electrical supply from Village Hall was previously upgraded.

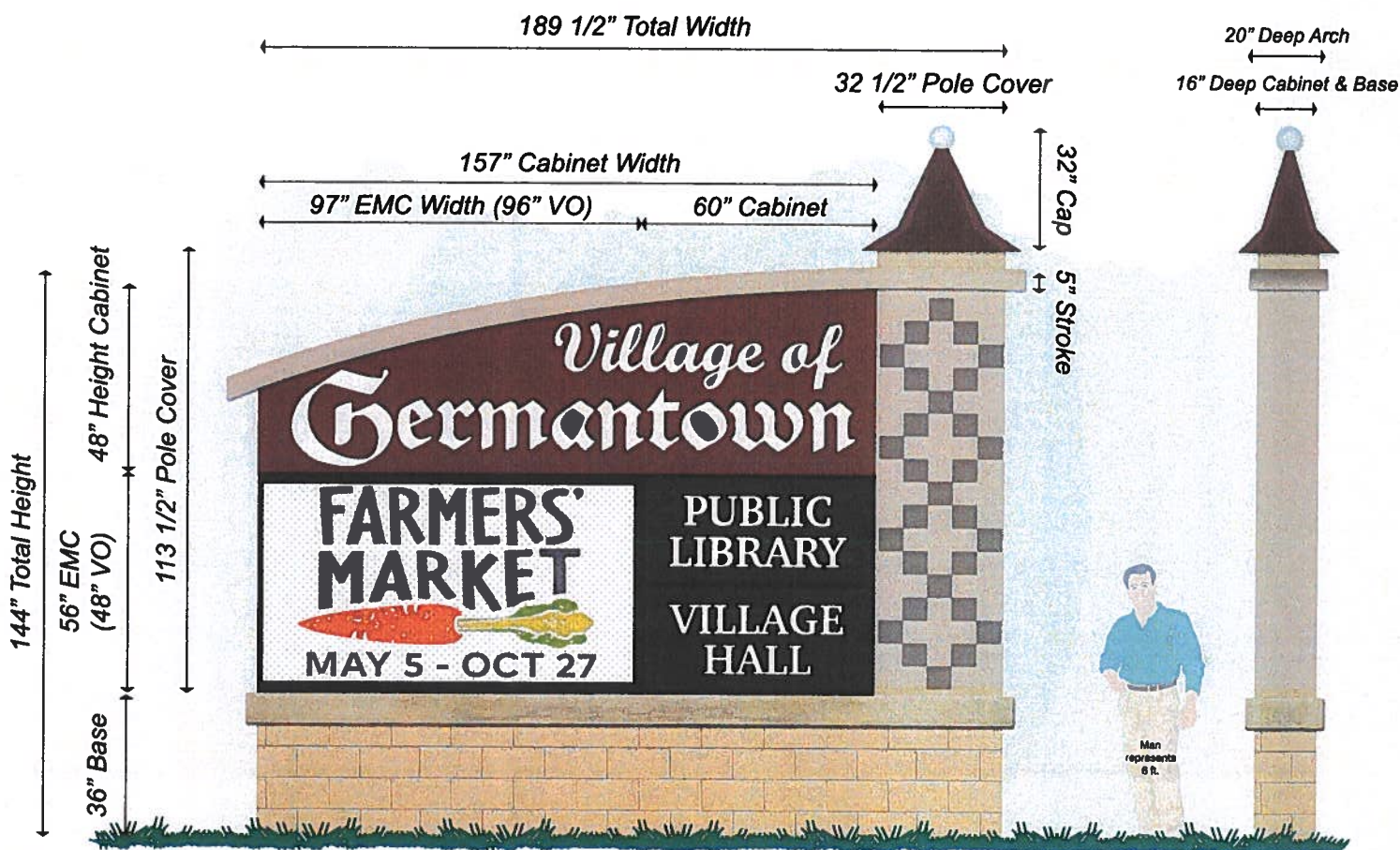
The proposed sign is being presented to the Plan Commission on February 8, 2021 and then if required to the Building Construction Overview Committee.

ATTACHMENT: ORDINANCE_____ RESOLUTION_____ OTHER XX

- Selected Sign

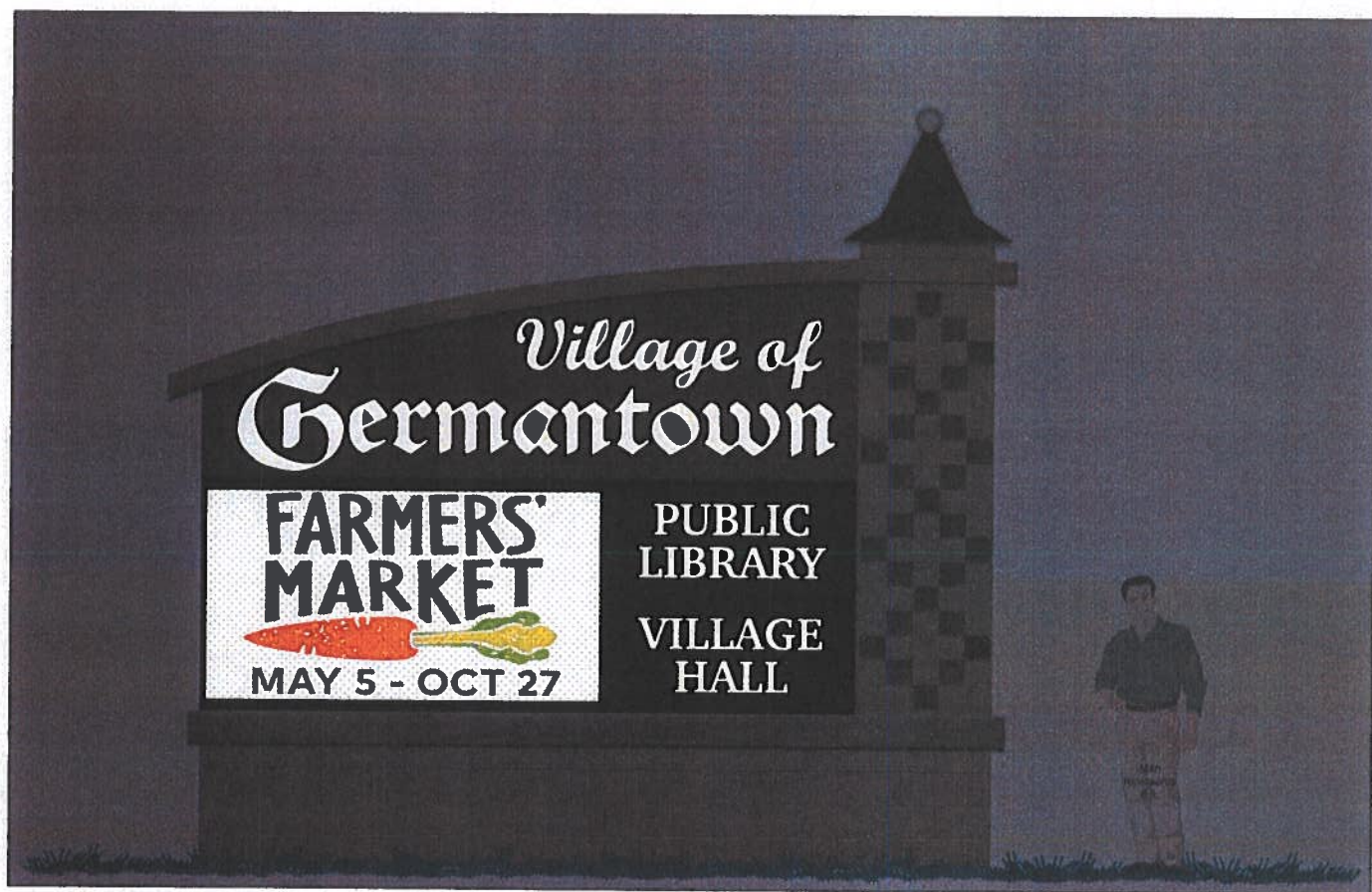
RECOMMENDATION:

Discussion only



Specifications

Village of Germantown - Custom Monument Sign
 - Custom fabricated aluminum cabinet with routed faces and internal LED lighting, custom aluminum pole cover, aluminum arch. Masonry base to match building. Full color 16mm electronic message center with 80x150 matrix. Double sided.



Night View

Specifications

Village of Germantown - Custom Monument Sign
- Custom fabricated aluminum cabinet with routed faces and internal LED lighting, custom aluminum pole cover, aluminum arch. Masonry base to match building. Full color 16mm electronic message center with 80x150 matrix. Double sided.

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

MEETING DATE: February 2, 2021

AGENDA ITEM: New Business

ITEM TITLE: Award of Contract – Well #12 (TID #8)

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

SUMMARY EXPLANATION:

The Village Engineering Department advertised and received bids for the planned construction of Well # 12 located in TID #8 on land contributed by the Zilber Group. Bids were received on January 12, 2021 and are as follows:

1) Municipal Well and Pump	\$359,235.00
2) Water Well Solutions	\$848,597.00
3) CWT Corporation	\$859,525.50

This contract is for the construction of a 1,400' deep well only. The pumping station with treatment will be bid in the future. The bid also included alternate items that may need to be used but the need will first be determined during construction (see FOTH letter for added explanation).

It is the recommendation of the Director of Public Works and FOTH Environmental to award the contract to Municipal Well and Pump in the amount of \$359,235.00 and to award the Alternate Bid of \$100,588.00 for a total approved amount of \$459,823.00

ATTACHMENT: ORDINANCE____ RESOLUTION____ OTHER X

- Letter of Recommendation from FOTH Environmental

RECOMMENDATION:

The Director of Public Works recommends the Public Works and Highway Committee approve awarding the contract to Municipal Well and Pump in the amount of \$359,235.00 and authorize the Director of Public Works to use the Alternate Bid in the amount of \$100,588.00, as determined to be necessary, and to forward to the Village Board with a positive recommendation.



Ballpark Commons Office Building
7044 S. Ballpark Drive Suite 200
Franklin, WI 53132
(414) 336-7900
www.foth.com

January 26, 2021

Mr. Larry Ratayczyk, P. E., DPW
Village of Germantown
N112 W17001 Mequon Road
P. O. Box 337
Germantown, WI 53022-0337

RE: Well No. 12 Bid Review

Dear Larry:

We have reviewed the bids received on January 12, 2021 for the above referenced project. A summary of the bids is as follows:

<u>Bidder</u>	<u>Base Bid</u>	<u>Sum of Alternate Bid Adders</u>
Municipal Well & Pump Waupun, WI	\$ 359,235.00	\$ 100,588.00
Water Well Solutions Oconomowoc, WI	\$ 848,597.00	\$ 204,929.00
CWT Corporation Lannon, WI	\$ 859,525.50	\$ 238,180.00

The base bid amount is for construction of a 1,400' deep well. Note, this the well only. A pumping station and water treatment facility will be bid separately in 2022. The alternate bid adders include optional field tests which can be performed during construction and an optional alternate casing material.

The low bidder has been prequalified by the village. We have reviewed the documentation submitted by the low bidder with its bid and find it to be satisfactory. In addition, we have corresponded directly with Municipal Well & Pump. They are the only of the three bidders that do not use an outside sub-contractor to drill the well which is why their price is much more competitive. We have confirmed that their bid includes all required work, and that they are prepared to proceed as soon as authorized.

Mr. Larry Ratayczyk, PE
January 26, 2021
Page 2

We recommend awarding this project to Municipal Well & Pump, Inc., in the amount of \$369,523.00, as follows:

\$359,235.00 (Base Bid)
+ \$3,210.00 (Alternate - Static Spinner Flow Logging)
+ \$5,350.00 (Alternate - Dynamic Spinner Flow Logging - Setup)
+ \$1,728.00 (Alternate - Dynamic Spinner Flow Logging)
\$369,523.00 Total Award

Our estimate for this contract was \$400,000. It can be seen that, even with the above alternates included, the contract amount is still below the estimate.

Our recommendation of award is contingent upon receiving the required DNR and PSC approvals. All required documents have been submitted to these agencies and we're currently in the review period. Bidding documents require bidders to hold their prices for up to 90 days. This time should be sufficient for DNR/PSC to complete their review and approval for the well before the Notice of Award is issued.

Please inform us of your decision. Please contact me with questions/discussion.

Sincerely,

Foth Infrastructure & Environment, LLC



Gregory Bolin, PE
Senior Project Manager/Water Supply Manager

Cc: Paul Haugen, Water Utility Superintendent
Dale Broeckert, PE, Foth Infrastructure
Ryan Schultz, PE, Foth Infrastructure
Matt Buska, PE, Foth Infrastructure

STATUS OF PROJECTS

February 2, 2021

- 1) NE Interceptor (sanitary sewer) Minger (contractor) has completed work from the terminus point on Country Aire Dr. to the existing manhole south of the Water Tower on Mequon Rd. A section of pipe west of the railroad tracks, 220-foot section in length, remains to be installed. Contractor has remobilized to start work.
- 2) Auxiliary Fire Pump & Booster station pump; PSC has approved the Booster Station/Pressure Reducing Station. Booster Station building was bid on April 23, 2020. The bids were higher than expected; engineering is working at analyzing the building components to attempt to lower the cost. The building and components will be rebid spring of 2021. Revised building design to Plan Commission on February 8, 2021.
- 3) 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. Village staff has received RFP's (request for proposal) and has selected an engineering firm to perform design. The engineering firm selected is raSmith. Village has received WisDOT Funding through their MLS (recently changed to the LRIP) grant program for \$1,000,000.00, this will go towards the design and reconstruction of Holy Hill Rd.
- 4) New Well #12 in TID #8 (SE corner of Gateway Crossing & Rockfield Road) has been submitted. WIDNR has approved the New Well #12 site under a Wellhead Protection guideline. Application for the Well to WIDNR has been submitted. The design of the Well and associated pump building is nearly complete. Well has been bid with Water Well Solutions being low bidder. No scheduled start date at this time.
- 5) Elevated Water Tank in TID #8; Tank will have 500,000-gal capacity. PSC & WIDNR have approved Tower #4. Tower was bid with the low bid by Maguire Iron, Inc with a base bid of \$1.808 Mil. Tank to be constructed to the required Elevation to only serve Germantown. Tower estimate in service by mid 2022. Staff is working on design of logo and color scheme. Estimated start construction March 2021.
- 6) 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.

- 7) 2021 Road Program has been presented to the Public Works and Highway Committee on January 12, 2021 and approved. Project will be bid in February 2021.
- 8) Glenwood Area sanitary sewer, water main and road project schedule remains undetermined. Plans have been started by engineering staff. NO CHANGE
- 9) Development of site plans for future DPW facility has begun. Review of existing buildings and future needs has been completed. Evaluation of potential use/acquiring of adjacent land in progress. Director of Public Works working on new concepts based on revised targeted cost direction from the Village Board.
- 10) Goldendale Development by Dickman. The site is at the SW corner of Goldendale Rd & Rockfield Rd. The third building has been submitted for a building permit. Public Sanitary and Water is complete except for one (1) hydrant on site of building #3.
- 11) 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. Project bid on January 21, 2021 with construction scheduled for Spring of 2021. Village is responsible for \$100,000.00 of total cost. NO CHANGE
- 12) At the request of the WIDOT the Villages of Germantown and Richfield have begun discussions with the WIDOT regarding traffic volumes at the intersection of Holy Hill Road and the WIDOT entrance ramps to I41. WIDOT has requested that a comprehensive traffic study be performed that would address the current state of development and the future development of the two Villages and the effect on the I41 entrance ramps. The Village of Richfield and Germantown are joining forces to retain TADI to perform the required comprehensive traffic analysis. The cost to be shared by the Villages of Germantown & Richfield, Washington County, and a private landowner in Richfield. Traffic Study is in progress.
- 13) EMC (Electronic Message Center) sign to replace the existing signs located between the Village Hall and the Library will be a double-sided sign that will produce multicolor images. The sign design selected by the voting of the staff and finally by the Village Trustees was approved by the Building Construction Oversight Committee at their April 30, 2020 meeting. Proposed sign to Plan Commission February 8, 2021. Engineering will advertise for bids in spring 2021.

- 14) 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. The design portion is complete. Construction would be in 2021.
- 15) As a reminder, the Village of Germantown received a grant towards our "Urban Non-Point Source" study in November 2017 and we contracted with Graef-USA to develop the Villages "Stormwater Quality Management Plan". The draft report has been sent to the WIDNR for review. The grant pays 50% up to a maximum of \$60,000.00.
- 16) Veridian Kinderberg Estates Development; Construction is complete except for the surface course of pavement which will not be placed until at least 80% of the homes have been constructed.
- 17) Wendy Lane Water Main Extension; This project also includes a section of water main on Division Rd. This project is required for a resident that has a bad well on Wendy Ln. The Wendy Ln portion will connect to 2 dead-end water mains. Village is also including an alternate bid item to install water main on Division Rd from Wendy Ln to Concord, this would eliminate another 2 dead-end water mains. Project will give a second supply to the water main that serves areas on the west side of I41/STH 45.
- 18) CIPP (Cured In Place Pipe) Project; This project was bid and awarded in 2019 only to have the contract terminated due to lack of performance (project was never started by contractor). The project will be bid on February 1, 2021 and will include the remaining unlined 48-inch diameter pipe. Basically, the project limits are from just south of Donges Bay & STH 145 to 124th & County Line Rd.