

**AGENDA  
PUBLIC WORKS & UTILITIES COMMITTEE  
Village of Hoffman Estates**

**January 27, 2020**

*Immediately following Finance Committee*

Members:	Anna Newell, Chairperson	Gary G. Stanton, Trustee
	Michael Gaeta, Vice Chairperson	Karen J. Arnet, Trustee
	Gary Pilafas, Trustee	William McLeod, Mayor
	Karen V. Mills, Trustee	

- I. Roll Call**
- II. Approval of Minutes – December 9, 2019**

**NEW BUSINESS**

- 1. Request authorization to waive bidding and purchase Neptune meters from Water Resources, Inc., Elgin, IL (sole supplier), at 2020 unit prices, in an amount not to exceed \$50,000.
- 2. Request authorization to waive bidding and purchase one trailer mounted 2020 Vermeer Model BC1800 Brush/Branch Chipper through Vermeer Midwest, Inc., Aurora, IL (Sourcewell Cooperative Purchasing Program) in an amount not to exceed \$86,848.
- 3. Discussion regarding a policy allowing placement of signs for community service and civic organizations at the location of Village entry-way and/or population signs.

**REPORTS (INFORMATION ONLY)**

- 1. Department of Public Works Monthly Report.
- 2. Department of Development Services Monthly Engineering Report of the Transportation and Engineering Division.

- III. President's Report**
- IV. Other**
- V. Items in Review**
- VI. Adjournment**

*(Further details and information can be found in the agenda packet attached hereto and incorporated herein and can also be viewed online at [www.hoffmanestates.org](http://www.hoffmanestates.org) and/or in person in the Village Clerk's office)*

*The Village of Hoffman Estates complies with the Americans with Disabilities Act (ADA). For accessibility assistance call the ADA Coordinator at 847 882-9100.*

**PUBLIC WORKS & UTILITIES COMMITTEE  
MEETING MINUTES**

**I. Roll call**

**Members in Attendance:**

**Trustee Anna Newell, Chairperson  
Trustee Michael Gaeta, Vice Chairperson  
Trustee Karen Mills  
Trustee Gary Pilafas  
Trustee Gary Stanton  
Trustee Karen Arnet  
Mayor William McLeod**

**Management Team Members  
in Attendance:**

**James Norris, Village Manager  
Dan O'Malley, Deputy Village Manager  
Arthur Janura, Corporation Counsel  
Mark Koplín, Asst. Vlg. Mgr.-Dev. Services  
Peter Gugliotta, Director of Planning  
Mike Hankey, Dir. Transportation and Eng.  
Kevin Kramer, Director of Economic Dev.  
Al Wenderski, Director of Engineering  
Patti Cross, Asst. Corporation Counsel  
Patrick Seger, Director HRM  
Patrick Fortunato, Fire Chief  
Greg Poulos, Asst. Police Chief  
Kasia Cawley, Asst. Police Chief  
Monica Saavedra, Director of HHS  
Joe Nebel, Director of Public Works  
Fred Besenhoffer, Director of IS  
Ben Gibbs, Sears Centre Arena  
Suzanne Ostrovsky, Asst. to the Village Mgr.  
Ken Koop, Risk Manager**

The Public Works & Utilities Committee meeting was called to order at 7:31 p.m.

**II. Approval of Minutes**

Motion by Trustee Gaeta, seconded by Trustee Arnet, to approve the minutes of the Public Works & Utilities Committee meeting of November 25, 2019. Voice vote taken. All ayes. Motion carried.

**NEW BUSINESS**

1. **Request authorization to procure two (2) front end loaders via lease to purchase option through Sourcewell Cooperative Purchasing Program.**

An item summary sheet from Joe Nebel, Kelly Kerr and Joe Capiga was presented to Committee.

Motion by Trustee Gaeta, seconded by Trustee Pilafas to procure two (2) front end loaders via lease to purchase option through Sourcewell Cooperative Purchasing Program. Voice vote taken. All ayes. Motion carried.

**REPORTS (INFORMATION ONLY)**

1. **Department of Public Works Monthly Report.**

The Department of Public Works Month Report was received and filed.

2. **Department of Development Services Monthly Engineering Report of the Transportation and Engineering Division.**

The Department of Development Services Monthly Engineering Report of the Transportation and Engineering Division was received and filed.

- III. **President's Report**
- IV. **Other**
- V. **Items in Review**
- VI. **Adjournment**

Motion by Trustee Gaeta, seconded by Trustee Arnet, to adjourn the meeting at 7:39 p.m. Voice vote taken. All ayes. Motion carried.

Minutes submitted by:

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Debbie Schoop, Executive Assistant

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Date

**COMMITTEE AGENDA ITEM  
VILLAGE OF HOFFMAN ESTATES**

**SUBJECT:** Request authorization to waive bidding and purchase Neptune Meters from Water Resources, Inc., Elgin, IL (sole supplier), at 2020 unit prices, in an amount not to exceed \$50,000.

**MEETING DATE:** January 27, 2020

**COMMITTEE:** Public Works & Utilities

**FROM:** Joseph Nebel, Director of Public Works  
Haileng Xiao, Superintendent of Water and Sewer

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**PURPOSE:** To provide a source for 2020 water meter purchases.

**BACKGROUND:** The Village has been utilizing the Neptune encoder type water meter for our revenue maintenance program and for new construction since 1981. There is only one supplier in our area providing Neptune meters, Water Resources, Inc. In the past, the meter supplier has been required by the Village to hold prices for a 12 month period, which they have. Some items quoted for 2020 are the same or lower than 2019 prices. The department measures the sole supplier competitiveness by reviewing previous years' quotes.

**DISCUSSION:** The 2020 water meter service program is summarized as follows:

1. Continue routine and programmed residential meter maintenance program to repair and replace various size meters with meter interface units (MIU) that are identified as being at, or near failure. Beyond that staff projects an additional 50 units for construction of new houses. The total estimated cost is \$40,000.
2. Continue maintenance program for large commercial compound meters. This program covers new construction for commercial properties and replacement of registers, meter chambers, dual check valves, etc. Staff projects a few special sized meters ranging from 2" to 4" to be installed for new commercial properties. The estimated cost is \$10,000.
3. Staff's meter installation work (mostly new construction sites and replacement of failed meter) will be closely coordinated with the Siemen's on-going Village wide meter change-out program to avoid any redundancy and conflicts.

**FINANCIAL IMPACT:**

The total estimated cost to cover meter service program for 2020 is \$50,000. The 2020 annual budget, including the Capital Improvement Fund on meters, has sufficient amount budgeted to cover the cost.

**RECOMMENDATION:**

Request authorization to waive bidding and purchase Neptune meters from Water Resources, Inc., Elgin, IL (sole supplier), at 2020 unit prices, in an amount not to exceed \$50,000.



November 19, 2019

Village of Hoffman Estates  
2305 Pembroke Avenue  
Hoffman Estates, IL 60195

Attention: Kevin McGraw

We are pleased to submit prices covering the Neptune product line for the Village of Hoffman Estates. These prices will be in effect from February 1, 2020 through January 31, 2021. It has been our pleasure serving the Village these past years and we look forward to furnishing your future meter needs.

Very Truly Yours,

Michael D. Pedone  
Water Resources Inc.

MDP:jg



Village of Hoffman Estates  
2020 Meter Prices

<u>Disc Meters</u>		<u>Price (Ea.)</u>
5'8x3'4" T-10 Meters Pro-Coder Gallons	(inside set)	\$ 107.00
	(pit set)	\$ 147.00
5'8x3'4" Mach-10 Meters Gallons	(pit set)	\$ 130.00
¾" T-10 Meters Pro-Coder Gallons	(inside set)	\$ 153.00
	(pit set)	\$ 193.00
¾" Mach-10 Meters Gallons	(pit set)	\$ 144.50
1" T-10 Meters Pro-Coder Gallons	(inside set)	\$ 204.00
	(pit set)	\$ 244.00
1" Mach-10 Meters Gallons	(pit set)	\$ 161.75
1 1/2" T-10 Meters Pro-Coder Gallons	(inside set)	\$ 420.00
	(pit set)	\$ 450.00
1 1/2" Mach-10 Meters Gallons	(pit set)	\$ 375.00
2" T-10 Meters Pro-Coder Gallons	(inside set)	\$ 545.00
	(pit set)	\$ 575.00
2" Mach-10 Meters Gallons	(pit set)	\$ 387.50



**Compound Meters**

2" Tru-Flo Compound Meters Pro-Coder Gallons	(pit set)	\$1450.00
3" Tru-Flo Compound Meters Pro-Coder Gallons	(pit set)	\$1975.00
4" Tru-Flo Compound Meters Pro-Coder Gallons	(pit set)	\$2650.00
6" Tru-Flo Compound Meters Pro-Coder Gallons	(pit set)	\$4370.00

**Turbine Meters**

1 1/2" HPT Turbine Meters Pro-Coder Gallons	(pit set)	\$ 565.00
2" HPT Turbine Meters Pro-Coder Gallons	(pit set)	\$ 595.00
3" HPT Turbine Meters Pro-Coder Gallons	(pit set)	\$ 895.00
4" HPT Turbine Meters Pro-Coder Gallons	(pit set)	\$1240.00
6" HPT Turbine Meters Pro-Coder Gallons	(pit set)	\$2320.00

**Village of Hoffman Estates  
2020 Meter Prices**

<b><u>RF MIU's</u></b>	<b><u>Price (Ea.)</u></b>
R900 MIU's (wall version, V4)	\$ 92.50
R900 MIU's (V4 - pit version, 6 ft wire lead)	\$ 135.00
R900 MIU's (V4 - pit version, 25 ft wire lead)	\$ 140.00





**UME's**

2" Compound UME's Pro-Coder Gallons	(Pit Set)	\$ 670.00
3" Compound UME's Pro-Coder Gallons	(Pit Set)	\$ 1005.00
4" Compound UME's Pro-Coder Gallons	(Pit Set)	\$ 1315.00
6" Compound UME's Pro-Coder Gallons	(Pit Set)	\$ 1930.00

**COMMITTEE AGENDA ITEM  
VILLAGE OF HOFFMAN ESTATES**

**SUBJECT:** Request authorization to waive bidding and purchase one trailer mounted 2020 Vermeer Model BC1800 Brush/Branch Chipper through Vermeer Midwest, Inc., Aurora, IL (Sourcewell Cooperative Purchasing Program) in an amount not to exceed \$86,848.

**MEETING DATE:** January 27, 2020

**COMMITTEE:** Public Works & Utilities

**FROM:** Joseph Nebel, Director of Public Works  
Kelly Kerr, Assistant Director of Public Works  
Joe Capiga, Fleet Services Supervisor

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**PURPOSE:** Request authorization to waive bidding and purchase one trailer mounted 2020 Vermeer Model BC1800 Brush/Branch Chipper to Vermeer Midwest, Inc., Aurora, IL in an amount not to exceed \$86,848.00 through the Sourcewell Cooperative Purchasing Program.

**BACKGROUND:** Included within the 2020 Capital Improvements Program budget is an \$86,000 allocation (line account # (38000025-4602) to replace current Unit #126, a 2003 Morbark Chipper. This equipment is utilized by the Forestry Division for various tree removals, tree trimming operations as well as the spring & fall Branch/Branch Pickup Programs.

**DISCUSSION:** The chipper offered from Vermeer, Inc., is the same model and size as the unit the department purchased in 2008. This equipment meets required specifications and crew members are very pleased with its performance. The crew is especially satisfied with a safety feature this equipment possesses that has vertical infeed rollers which permit branch feeding without side to side kickback which is known to occur on models having horizontal infeed rollers

The village joined Sourcewell (formerly NJPA) in 2010 and recently used Sourcewell discounts in 2019. Contract #062117-VRM awards Vermeer access for their products on Sourcewell.

**FINANCIAL IMPACT:** A total of \$86,000 is budgeted in 2020 for this equipment replacement. There will be a deficit of \$848 as a result of this purchase. This deficit is a result of a price increase due to additional tariffs for various materials used to manufacture the equipment and can be absorbed through other funds and/or offset with the purchase of other budgeted vehicles and equipment.

**RECOMMENDATION:**

Request authorization to waive bidding and purchase one trailer mounted 2020 Vermeer Model BC1800 Brush/Branch Chipper through Vermeer Midwest, Inc., Aurora, IL (Sourcewell Cooperative Purchasing Program) in an amount not to exceed \$86,848.



Vermeer-Illinois, Inc.  
 2801 Beverly Drive  
 Aurora, IL 60504  
 630-820-3030

1/7/2020

Quote #: 01180AUKC-R4

PO #:

Bill To:  
 Hoffman Estates, Village of  
 Joe Capiga  
 1900 Hassel Road  
 Hoffman Estates, IL 60192

Ship To:  
 Hoffman Estates, Village of  
 Joe Capiga  
 1900 Hassel Road  
 Hoffman Estates, IL 60192

NJPA /SOURCEWELL PRICING

- |   |                    |
|---|--------------------|
| 1 - Vermeer BC1800XL, New with:<br>19" CAPACITY BRUSH CHIPPER   | <b>\$85,998.00</b> |
| <ul style="list-style-type: none"> <li>- 173 HP John Deere Tier 4i (Stage IIIB) PE4045HFC93 Turbo Charged Diesel Engine</li> <li>- 19" Capacity Drum Chipper with 20"x 24" Infeed Opening</li> <li>- Hydraulic winch option with Interlock safety/reset</li> <li>- Heavy Duty Hydraulic Jack stand</li> <li>- Ecolde Engine Control system-Automatically lowers engine RPM if material is not being chipped.</li> <li>- Four sided square anvil/bedknife</li> <li>- High Coolant Temperature and Low Oil Pressure Automatic Shutdown</li> <li>- Machine Weight: 9,320 Lbs- Transport Length 177", Width 78.5", Height 107"</li> <li>- 35 Gallon Fuel Tank, 12 Gallon Hydraulic Tank</li> <li>- Patented Vermeer Smartfeed System-Monitors engine rpm</li> <li>- Infeed Rate is 0-117 fpm</li> <li>- 10,000 lbs. Rubber Torsion Axle</li> <li>- LT235/75R17.5 Load Range J Standard Tires</li> <li>- Electric Brakes with Breakaway Switch</li> <li>- 13" Spring Loaded Autoclutch, Which Can only be Engaged at Low rpm</li> <li>- 36" Wide Cutter Drum, 4 - 5.5" x 10" Dual Edged Chipper Knives</li> <li>- Upper and lower feed stop bar for safety</li> <li>- 2 Year/2,000 Hour John Deere Limited Engine Warranty</li> <li>- 3 year/3,000 Hour Extended Limited Warranty on Chipping Drum</li> <li>- 1 year/1,000 Hour Parts and Labor Standard Vermeer Warranty</li> </ul> |                    |

Freight and dealer Prep **\$850.00**

Machine	<b>\$86,848.00</b>
<b>Total Due</b>	<b><u>\$86,848.00</u></b>

**Finance Options with Approved Credit**

**Monthly Payment**

Approximate Payment on 60 months based on \$0.00 down - **\$1,688.68**

**Additional Options**

1 - BC1800XL CONFIDENCE PLUS 2ND YEAR WARRANTY WITH MAINTENANCE	<b>\$4,771.00</b>
	Additional (\$92.24/month)

Proposal good for 30 days; we reserve the right at any time prior to acceptance to revoke this quotation.

Accepted by \_\_\_\_\_ Date \_\_\_\_\_

Thank you for your consideration.

Sincerely,

Kyle Cline

630-820-3030

kyle.cline@vermeermidwest.com

**COMMITTEE AGENDA ITEM  
VILLAGE OF HOFFMAN ESTATES**

**SUBJECT:** Discussion of a policy allowing placement of signs for community service and civic organizations at the location of Village entry-way and/or population Signs.

**MEETING DATE:** January 27, 2020

**COMMITTEE:** Public Works & Utilities Committee

**FROM:** James H. Norris, Village Manager  
Arthur L. Janura, Jr., Corporation Counsel

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**PURPOSE:** To obtain direction on the formation of a policy allowing the placement of identity signs for community service and civic organizations at the location of Village entry-way and/or population signs.

**BACKGROUND:** In 2019, the Village received two requests for the installation of identity signs for local community service, fraternal, or non-profit organizations to be posted near existing Village signage. The Village currently prohibits these signs for two reasons; first, many Village entry signs are located in rights-of-way under the jurisdiction of the County and State and the Village only controls the rights-of-way on Village streets. Secondly, the Village cannot use sign content to discriminate between applicants. Ever since the Supreme Court ruled on the *Reed v City of Gilberts* case, a general rule of thumb is government should not have to read the sign to determine permission to post. In short, content cannot be considered when regulating signs.

**DISCUSSION:** Staff reviewed a previously conducted Northwest Municipal Conference survey to determine the prevalence of similar policies. Thirteen of the fifteen responding communities do not allow posting of community service or civic organization signs in public spaces or rights-of-way.

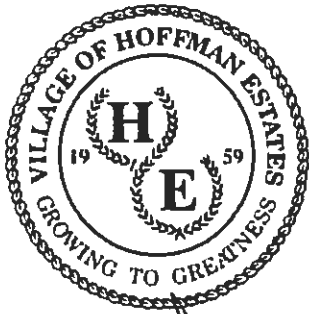
Staff believes allowing these signs will require the adoption of additional policy language to regulate said signage. Policies regulating signs in public rights-of-way must account for viewpoint and content neutrality as it pertains to constitutional free speech protections. Viewpoint neutrality states that a sign policy may not regulate a point of view (the Village cannot adopt a policy that discriminates against a specific point of view).

**DISCUSSION continued,**

While regulation of location, design, construction, and other aspects of signage is permitted, regulation of content is generally prohibited. These limitations will prohibit the Village from passing regulatory policies that are not viewpoint and content neutral. Therefore, the Village would not be permitted to determine which organizations, viewpoints, or causes for which a sign may or may not be posted based upon free speech protections. With that said, the Village could allow these fraternal and civic organizations to have organization identity signs posted adjacent to Village population signs on Village controlled rights-of-way but if the Village allowed these signs, it could not prohibit the posting of other signs of comparable size and shape.

**RECOMMENDATION:**

Due to the challenging legal aspects of regulation, staff believes the Village should disallow the posting of any community service or civic organization signs at the location of Village entry-way and/or population signs.



# VILLAGE OF HOFFMAN ESTATES

## DEPARTMENT OF PUBLIC WORKS

### December 2019 MONTHLY REPORT

SUBMITTED TO: Public Works Committee

January 2020

  
\_\_\_\_\_  
Joseph Nebel  
Director of Public Works

  
\_\_\_\_\_  
Kelly Kerr  
Assistant Director of Public Works

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#### MAJOR PROJECT STATUS

##### Well 9 Abandonment

On August 19, 2019 Village Board authorized the contract with Water Well Solutions for the work to properly abandon Well 9. Pre-Construction Meeting was held shortly. Permit application has been submitted to Cook County Public Health Department (PHD). The plan for well abandonment was revised per County instruction and was resubmitted to the County PHD. The work started in the week of September 23. By the end of September the well pump and column piping has been all removed. By the end of October the project is complete for all work on Well 9 abandonment. Everything is satisfactory to the County Department of Public Health. The completed well sealing forms were submitted to IEPA. Final invoice, including Change Order, has been approved. Three proposals/quotes have been secured for the remaining work, which includes:

1. Demolition of structure down to top of slab-
2. Removal of concrete footings and foundations- (12 feet down)
3. Site asphalt removals throughout the lot.

Work will start again as soon as the proposal is approved.

##### Water Distribution Systems Study

On April 1, 2019 Village Board authorized the contract with Burns & McDonnell for engineering services to study & evaluate the Village's water distribution systems for infrastructure capital project planning. Project Kick-Off Meeting was held on May 14, 2019. Due to the long time needed for massive amount data collection and processing on Village's water distribution system, field work did not start until September. Work completed in September includes loading Historian program into the SCADA system for comprehensive analysis of water system operation and Laying out field work for fire flow testing and telog installation. Hydraulic model for the water system is being created. Work completed in October includes: field measurements (fire flows & pressures) and field data insertion into the model, model calibration. Work completed in November includes tower evaluation as well as running scenarios to confirm model results in comparison to SCADA system data. Work completed in December includes continued tower evaluation and analysis for water main replacement. The hydraulic model of the entire water distribution system is calibrated for all three zones. Work planned for January 2020:



- a. Complete system analysis and prepare brief summary document presenting the system analysis results.
- b. Complete the Aster Lane tower and station evaluation

**MWRD IICP Engineering**

On July 2, 2018 the Village Board approved a contract with Baxter & Woodman Consulting Engineers for engineering and field services required for compliance with MWRD' Infiltration/Inflow Control Program (IICP). The services will cover the following areas:

- 1. Conduct a prioritized condition assessment of high risk public sanitary sewer system infrastructure through various inspection and testing methods.
- 2. Begin rehabilitation of major defects within three years of identification.
- 3. Utilize inspections to catalog illegal connections in high risk areas for disconnection in Private Sector Program (PSP).
- 4. Develop and implement a Private Sector Program (PSP).
- 5. Develop and submit annual reports under the Short Term Requirements and Long Term Operation and Maintenance Program (LTOMP)

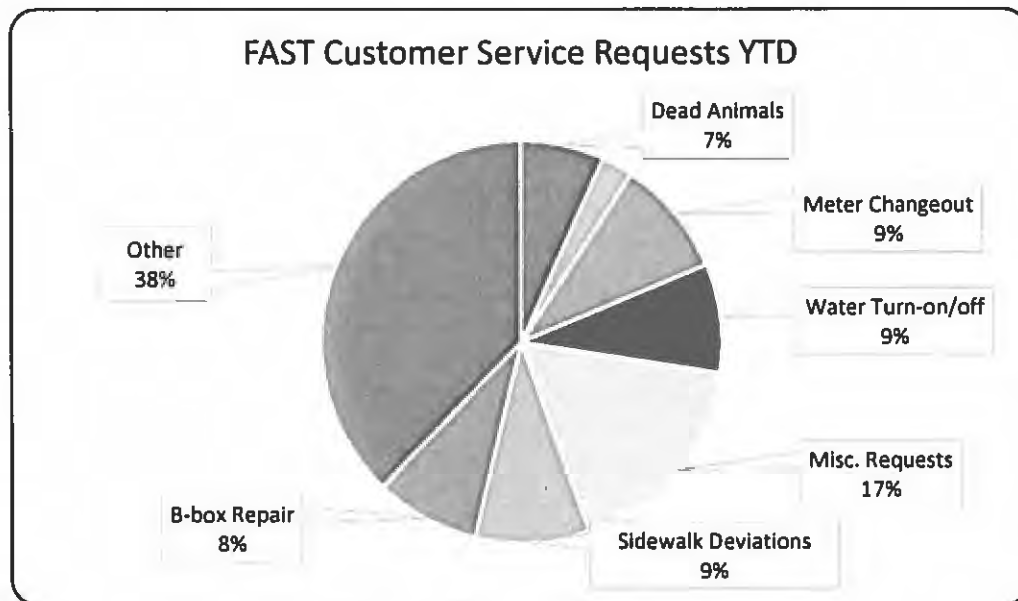
Project Kick off meeting was held on August 8, 2018 with planning of the immediate task of smoke testing of all sanitary sewer in high risk areas, which was completed in October, 2018 and covered all High Risk Areas (12 sub-basins with a total of 133,133 feet of sewer mains) per MWRD standards. Review of the final report is completed and 4 areas have been identified for dye water testing to further determine point of source of infiltration and inflow into the sanitary sewer system. The actual work of dye water testing was completed in June. Camera inspection of remaining 173 manholes inspection is in May 2019. A list of critical sewer repairs has been selected for IICP compliance in 2019 and 2020. Design engineering and preparation of bid documents was completed in September 2019. The project was bid out successfully and contract was awarded to the low responsible bidder, Michels Pipe Services. Construction contract was executed. Pre-construction meeting was held on December 12, 2019. Work planning is all complete. Sewer cleaning and inspection is to start in January 2020 before cured-in-place pipe (CIPP) lining. MWRD is still reviewing the Private Sector Program (PSP) and the Long Term Operation and Maintenance Program (LTOMP) submitted by staff.

## Customer Services

### Fast Action Service Team (FAST):

- Continued salt dome roller replacement project.

Fast Action Service Team (FAST)												
Customer Service Requests												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
116	106	159	206	210	251	235	197	156	145	94	95	1970



### Customer Service Team:

- Installed 2" compound meter at 2240 Hassell Road and 3" UME at Police Station.

Customer Service Team												
Water Billing - Customer Service Appointments												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
40	45	63	56	68	47	47	52	52	61	58	33	622
Finance-generated Water Meter Readings												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
233	411	296	349	280	271	234	319	210	170	214	171	3158
Delinquent Water Accounts												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
139	106	115	107	88	101	101	75	101	101	97	97	1228
New Construction Inspections												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
8	6	4	4	5	5	3	6	3	10	6	2	62

Customer Service Requests - Gov Q&A/Meter Repairs												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
19	34	32	21	43	20	27	22	19	12	24	21	294
B-box Repairs												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
0	2	4	1	0	2	0	3	0	0	0	0	12
MIU Installations/Replacements												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
16	15	43	18	15	36	57	42	16	12	17	43	330

**Utility Locates Team:**

1. Assisted ComEd/Intren in preparation for upcoming project(s) in northern Hoffman;
2. Provided locates for ComEd near Beverly Road water tower (T-6).

Utility Locates Team												
JULIE Locates												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
176	172	677	800	889	746	639	683	706	793	487	316	7084
Emergency JULIE Locates												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
9	14	23	42	47	52	28	33	34	41	18	21	362
Utility Joint Meets												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
4	3	6	5	7	9	7	6	5	9	6	4	71

**Facilities**

1. Installed new drinking fountain and bottle filling station at Public Works Center;
2. Completed installation of a 900kW mobile generator and 1,200 amp automatic transfer switch at Sears Centre Arena;
3. Replaced failed sewer ejector pump at Village Hall;
4. Repaired HVAC system for gun range at Police Department;
5. Completed roof replacement at Aster Lane facility.

Facilities												
Preventative Maintenance Program - staff hours												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
98	102	112	116	106	91	90	90	126	119	104	140	1294

**Fleet Services**

1. Acquired two new front end loaders via leasing program;
2. Prepared new Diesel Exhaust Fluid (DEF) cabinet for service;
3. Prepared new unit #27 for service.

Fleet Services												
Preventative Maintenance Program - Number of Repairs												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
19	22	22	29	17	20	16	20	13	21	26	27	252
Vehicles Sent for Warranty Repair												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
3	3	2	4	7	2	17	14	3	1	2	2	60

## Forestry

1. Performed maintenance at Sunderlage House;
2. Conducted tree evaluations for contract tree trimming and inventory purposes.

Forestry												
Customer Service Requests												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
11	9	20	28	66	82	98	55	49	29	12	18	477

## Maintenance & Construction

### Storm Sewer Team:

1. Repaired storm sewer pipe structures on Londonberry Court.

Storm Sewer Team												
Feet of Storm Sewer Flushed												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2,390	1,940	2,907	970	540	200	0	0	0	640	300	2,300	12,187
Catch Basin Rebuilds												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
0	0	0	4	4	5	5	4	3	0	0	5	30

### Construction/Maintenance Team:

- 1) Performed electronic leak detection at various locations.

Construction/Maintenance Team												
B-box Repair/Replacement												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	4	9	4	3	12	4	4	3	5	1	2	52
Hydrant Replacement												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0	0	2	1	2	0	3	2	1	0	4	16
Valve Repair/Replacement												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	1	2	1	2	3	1	4	2	2	3	0	22

Water Main/Service Line Leak Repairs												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2	3	4	3	2	2	3	6	1	2	1	6	35

## Traffic Operations

### Pavement Maintenance Team:

1. Conducted fork lift and lowboy training;
2. Continued pot hole patching at various locations;
3. Assisted with IDOL safety inspection.

Pavement Maintenance Team												
Tons of Hot Asphalt Installed												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
0.0	0.0	0.0	14.0	29.0	37.0	64.5	36.5	23.0	22.5	10.0	0.0	236.5
Tons of Cold Asphalt Installed												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
7.0	19.5	14.5	5.5	4.0	5.5	1.5	1.0	1.5	1.0	5.5	6.5	73.0

### Sign Team:

1. Performed type-I sign reposting on Apple Street, Parkview Circle, Northview Lane, Clover Lane, Tarrington Drive, Prestwick Place, Freeman Road, Nantucket Court, Bayside Circle West, and Sturbridge Drive West;
2. Applied Village logo and other decals to new Diesel Exhaust Fluid cabinet at Fleet Services facility.

Sign Team												
Repaired/Replaced Signs												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
20	12	24	14	11	4	4	2	6	3	6	11	117
Signs Fabricated and Installed												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
40	100	167	150	80	134	16	155	150	174	77	208	1,451

### Street Light Team:

1. Performed cleanup and secured site of (1) street light knockdown;
2. Oversaw Village-wide sweeping program.

Street Light Team												
Customer Service Requests												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
13	7	12	6	6	9	8	8	8	15	6	7	105
Street Lights Repaired												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
27	18	31	15	40	79	24	25	31	26	38	18	372

## Water Operations

### Operations Team:

1. Replaced stop-floats at Hampton and Kingsdale lift station;
2. Assisted with generator installation at Sears Centre Arena;
3. Installed repaired pump #2 at Barrington lift station;
4. Replaced floats and transducer at Golf lift station;
5. Attended Moon Lake lift station grinder project kick-off meeting.
6. Replaced power supply at Westbury lift station.

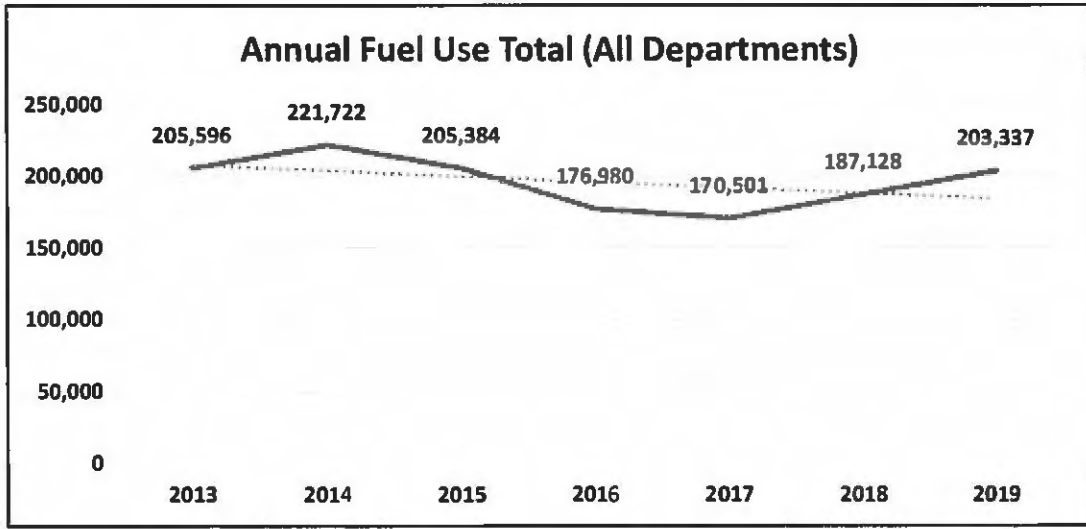
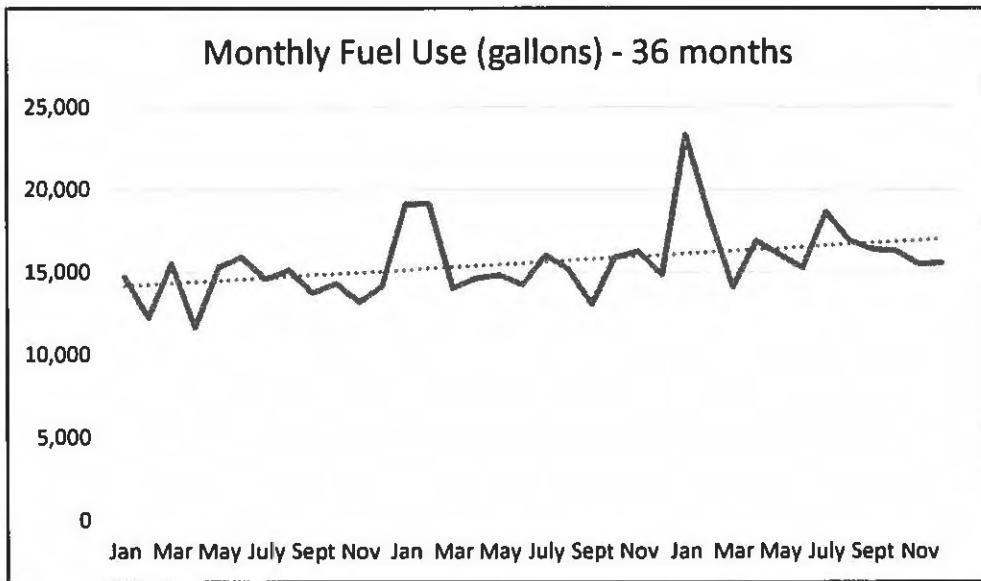
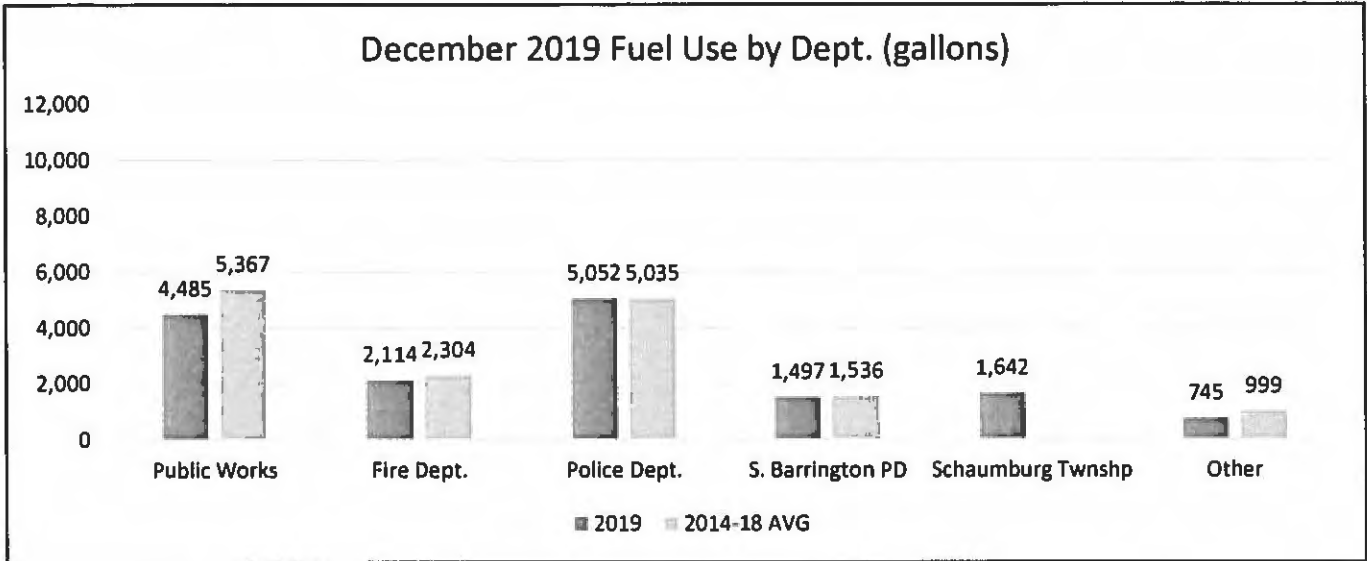
Operations Team												
Resident Water Quality Tests												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0	2	1	1	0	1	1	1	1	2	1	12

### Sanitary Sewer Flow Management Team:

1. Performed storm sewer televising, mapping, and debris clean-up related to the 2020 Road Reconstruction Program.

Sanitary Sewer Flow Management Team												
Sewer Lines Flushed (feet)												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
3,337	0	5,254	350	1,168	1,372	14,654	8,287	9,462	13,690	4,102	0	61,676
Sanitary Main Inspections (feet)												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
0	355	4,747	3,965	394	282	0	0	0	0	1,300	2,000	13,043

# Fuel Use Report



**ENGINEERING REPORT OF THE  
TRANSPORTATION AND ENGINEERING DIVISION  
DEPARTMENT OF DEVELOPMENT SERVICES  
JANUARY MONTHLY REPORT**

Attached is the Monthly Engineering Report of the Transportation and Engineering Division in the Department of Development Services for the period ending January 24, 2020.

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Alan Wenderski, P.E.  
Village Engineer



**MISCELLANEOUS**

Summary of miscellaneous items:

- Participated in meetings for Community Development implementation
- Attended preconstruction meeting for IDOT IL 72 Resurfacing (Glen Lake – Kane County Line)
- 31 permit inspections
- 4 residential drainage investigations
- 1 floodplain inquiry
- Engineering site plan review for:
  - SCA Storage Building
  - 2580 W Golf Road
  - Adesa
  - Bell Works Townhomes
- Reviewed permits for:
  - 1 – Single-Family Residential
  - 1 – Water Service
  - 1 – Detached Garage/Addition
  - 1 – Drainage/Retaining Wall
- Plan/permit review related to new single-family residential development:
  - 1 – Permit Plats
  - 3 – Top of Foundation
  - 1 – Final Grading
  - 4 – Certificates of Occupancy

**PROJECT STATUS**

<b>VILLAGE PROJECTS</b>	
<b>PROJECT NAME</b>	<b>DESCRIPTION</b>
<b>2019 Drainage Project</b>	Drainage work completed at both locations. Final restoration work and punch list to be completed in spring.  Village Project Manager: Oscar Gomez
<b>2019 Street Revitalization Project</b>	Remaining punch list work to be completed in spring. Village Project Manager: Andy LoBosco
<b>2020 Street Revitalization Project</b>	Design ongoing. Scope also includes Illinois Boulevard Storm Sewer Project. Village Project Manager: Andy LoBosco
<b>Almond/Audubon Culvert Replacement</b>	Chastain completed response to initial IDOT comments, currently under review by IDOT. IDOT permit needed prior to the start of construction. A Lamp is prepared to start construction once IDOT permit is issued, pending weather. Village Project Manager: Oscar Gomez

<b>VILLAGE PROJECTS</b>	
<b>PROJECT NAME</b>	<b>DESCRIPTION</b>
<b>Jones Road/Salem Drive STP Resurfacing</b>	Project eligible for federal STP funding through NWMC but not included in active list due to lack of funding. Phase 2 design ongoing to be prepared if funding becomes available. Civiltech contracted for design engineering. Village Project Manager: Shelley Walenga
<b>Prairie Stone Stormwater Management Plan</b>	Contract with V-3 to revise/update the 2004 Prairie Stone Stormwater Management Plan. Met with MWRD to discuss future permitting requirements within Prairie Stone on May 20 <sup>th</sup> . Progress meeting with V-3 and Prairie Stone POA held on October 4 <sup>th</sup> . V-3 to proceed with permit update, stormwater modeling. Village Project Manager: Alan Wenderski

<b>COMMERCIAL PROJECTS</b>	
<b>PROJECT NAME</b>	<b>DESCRIPTION</b>
<b>7-11</b> 2250 West Higgins Road	Received Village Board approval on January 6 <sup>th</sup> . Awaiting permit approval from MWRD and IDOT. Reviewing cost estimate for calculation of project guarantee and fees. Village Project Manager: Alan Wenderski
<b>Adesa Auto Auction</b> 5407 Trillium Boulevard	Phase 1 - Executed Bill of Sale received from Adesa. Public acceptance process to resume in spring. Phase 2 – Staff comments provided, awaiting response. Village Project Manager: Alan Wenderski
<b>Aldi</b> 375 West Higgins Road	Work complete. Awaiting as-built drawings. Village Project Manager: Terry White
<b>Amita Behavioral Health Addition</b> 1650 Moon Lake Boulevard	Village Board approval on December 2 <sup>nd</sup> . Preconstruction meeting held on January 23 <sup>rd</sup> . Awaiting MWRD permit approval. Reviewing cost estimate for calculation of project guarantee and fees. Village Project Manager: Terry White
<b>BMO</b> 1400 Gannon Drive (Current address) 1199 West Higgins Road (New address)	Received Village Board approval on December 2 <sup>nd</sup> . Awaiting permit approval from MWRD and IDOT. Reviewing cost estimate for calculation of project guarantee and fees. Village Project Manager: Alan Wenderski
<b>Buona Beef</b> 2250-2360 West Higgins Road	Work on new building ongoing. MWRD permit revision for sanitary service revision approved. Water service installation ongoing. Village Project Manager: Terry White

<b>COMMERCIAL PROJECTS</b>	
<b>PROJECT NAME</b>	<b>DESCRIPTION</b>
<b>Bystronic/Eagle Way Extension</b> 2200 Central Road	Temporary CO issued. Eagle Way open to traffic. Final completion and final inspection to occur in spring.  Village Project Manager: Terry White
<b>Greenspoint Amenities</b> 2800 West Higgins Road 2300 Barrington Road	Exterior site improvements. Work ongoing.  Village Project Manager: Terry White
<b>Hoffman Plaza</b> Higgins and Roselle	Phase 1 - Completion of detention basin improvements ongoing. Outlot 4 – Work ongoing. Water service installed and pressure tested, awaiting chlorination.  Village Project Manager: Terry White
<b>Holiday Inn Express</b> 5235 Prairie Stone Parkway	Interior building work ongoing. Site work on hold for winter.  Village Project Manager: Terry White
<b>Schaumburg Township Parking Lot Expansion</b> 1 Illinois Boulevard	Awaiting as-built drawings.  Village Project Manager: Terry White
<b>South Ridge Park</b> 1450 Freeman Road	Hoffman Estates Park District – Park and site improvement. Awaiting issuance of MWRD permit.  Village Project Manager: Alan Wenderski
<b>Winston Knolls School Playground</b> 2353 Hassell Road	Received Village Board approval on December 16 <sup>th</sup> . Reviewing cost estimate for calculation of project guarantee and fees.  Village Project Manager: Alan Wenderski

<b>RESIDENTIAL PROJECTS</b>	
<b>PROJECT NAME</b>	<b>DESCRIPTION</b>
<b>Amber Meadows</b> NE Corner of Essex Drive and Beacon Pointe Drive	Home building ongoing.  Village Project Manager: Terry White
<b>Bergman Pointe</b> NW Corner of Ela Road and Algonquin Road	Home building ongoing. Signal modifications at Ela/Algonquin substantially complete. Final inspection for public improvements suspended until spring.  Village Project Manager: Terry White
<b>Devonshire Woods</b> SW Corner of Shoe Factory Road and Essex Drive	Home building ongoing. Final inspection for subdivision acceptance completed. Punch list work ongoing.  Village Project Manager: Terry White/Oscar Gomez