

AGENDA
PUBLIC WORKS & UTILITIES COMMITTEE
Village of Hoffman Estates
August 16, 2021

Immediately following Public Health & Safety 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 – July 6, 2021 (Special)
July 19, 2021**

NEW BUSINESS

1. Request approval of:
 - a. the Village Drainage Policy; and
 - b. locations for the 2021 Drainage Improvement Project.
2. Request authorization to award contract for Sunderlage House Porch Repairs to Tracy & Ed Construction Inc., Bartlett, IL (low bid), in an amount not to exceed \$27,380.
3. Request authorization to extend 2020 contract with Wachs Water Services, Columbia, MD (low qualified proposal), for the 2021 Valve Assessment Program with concurrent leak survey, in an amount not to exceed \$25,875.

REPORTS (INFORMATION ONLY)

1. Department of Public Works Monthly Report.
2. Engineering Division Monthly Report.

III. President's Report

IV. Other

V. Items in Review

1. Request approval of a request by CalAtlantic Group, Inc. for an ordinance for the acceptance of public improvements at the Amber Meadows subdivision. (*Deferred from July 19, 2021*)

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 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.

**SPECIAL PUBLIC WORKS & UTILITIES COMMITTEE
MEETING MINUTES**

July 6, 2021

I. Roll call

Members in Attendance:

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

**Management Team Members
in Attendance:**

**Eric Palm, Village Manager
Dan O'Malley, Deputy Village Manager
Arthur Janura, Corporation Counsel
Patti Cross, Asst. Corporation Counsel
Peter Gugliotta, Director of Dev. Services
Patrick Seger, Director of HRM
Fred Besenhoffer, Director of IS
Joe Nebel, Director of PW
Al Wenderski, Village Engineer
Paul Petrenko, Director of Facilities
Alan Wax, Fire Chief
Paul Bilodeau, Deputy Fire Chief
Kasia Cawley, Acting Police Chief
Rachel Musiala, Director of Finance
Monica Saavedra, Director of HHS
Joe Weesner, Senior Trans. Engineer
Suzanne Ostrovsky, Asst. to Village Manager
Jennifer Horn, Dir. of Planning & Trans.
Ric Signorella, CATV Coordinator**

The Special Public Works and Utilities meeting was called to order at 7:21 p.m.

NEW BUSINESS

- 1. Discussion of project update for the Emergency Water System Interconnect with the Village of Palatine.**

An item summary sheet was presented by Joe Nebel and Haileng Xiao to Committee.

Joe Nebel addressed the Committee and reported that the interconnect system is composed of a booster station and approximately 2,800 feet of new interconnect water mains, valves and hydrants. The project was bid out by the Village of Palatine and bids were opened on June 29, 2021. Staff from both Villages concurred with the recommendation of Baxter & Woodman to move forward with both low bidders. The Village of Palatine is the lead agency on this project.

The total cost is \$1,399,159 for both interconnect water mains and interconnect-booster station and 50% of the total will be covered by the Village of Palatine. The Village of Hoffman Estates' 50% share will be covered in the 2021 budget as part of bond funded capital improvement projects.

- 2. Request authorization to waive formal bidding and purchase approximately 750 tons of road salt at a cost of \$71.11 per ton from Morton Salt, Inc., Chicago, IL, at a cost not to exceed \$54,000.**

An item summary sheet was presented by Joe Nebel and Kelly Kerr to Committee.

Joe Nebel addressed the Committee and reported that the Village has \$54,000 remaining in the 2021 budget for road salt. The Village currently has approximately 2,200 tons of salt in storage.

Motion by Trustee Gaeta, seconded by Trustee Mills, to waive formal bidding and purchase approximately 750 tons of road salt at a cost of \$71.11 per ton from Morton Salt, Inc., Chicago, IL, at a cost not to exceed \$54,000. Roll call vote taken. All ayes. Motion carried.

II. Adjournment

Motion by Trustee Gaeta, seconded by Trustee Mills, to adjourn the meeting at 7:28 p.m. Voice vote taken. All ayes. Motion carried.

Minutes submitted by:

Debbie Schoop, Executive Assistant

Date

**PUBLIC WORKS & UTILITIES COMMITTEE
MEETING MINUTES**

July 19, 2021

I. Roll call

Members in Attendance:

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

Management Team

Members in Attendance

**Eric Palm, Village Manager
Dan O'Malley, Deputy Village Manager
Rachel Musiala, Finance Director
Art Janura, Corporation Counsel
Kathryn Cawley, Police Chief
Suzanne Ostrovsky, Asst. to Village Mgr.
Monica Saavedra, Director of HHS
Fred Besenhoffer, Director of IS
Joe Nebel, Director of Public Works
Alan Wenderski, Village Engineer
Ric Signorella, Cable TV Coordinator
Alan Wenderski, Village Engineer
Bev Romanoff, Village Clerk
Ben Gibbs, NOW Arena
Sarah Marcucci / EMA Coordinator**

The Public Works and Utilities meeting was called to order at 7:00 p.m.

II. Approval of Minutes – June 28, 2021

Motion by Mayor McLeod, seconded by Trustee Stanton, to approve the Public Works and Utilities Committee Meeting minutes from June 28, 2021. Voice vote taken. All ayes. Motion carried.

OLD BUSINESS

1. Request approval of a request by CalAtlantic Group, Inc. for an ordinance for the acceptance of public improvements at the Amber Meadows Subdivision (Deferred from June 28, 2021 meeting).

An item summary sheet was presented by Alan Wenderski to Committee.

Mr. Wenderski, Mr. Palm, and Corporation Counsel Janura provided comments.

Motion by Mayor McLeod, seconded by Trustee Pilafas, to table this item until acquisition of Lot 7 in the Laufenberger Subdivision has been completed. Voice vote taken. All ayes. Motion carried.

NEW BUSINESS

1. Request approval of an Intergovernmental Master Agreement with IDOT for State maintained traffic signals on State highways within the corporate limits of the Village.

An item summary sheet was presented by Alan Wenderski to Committee.

Motion by Trustee Mills, seconded by Trustee Arnet, to approve an Intergovernmental Master Agreement with IDOT for State maintained traffic signals on State highways within the corporate limits of the Village. Voice vote taken. All ayes. Motion carried.

REPORTS (INFORMATION ONLY)

1. Department of Public Works Monthly Report

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

2. Engineering Division Monthly Report

The Engineering Division Monthly Report was received and filed.

- III. President's Report** – Mayor McLeod recapped his activities July 6 - 19.
- IV. Other**
- V. Items in Review**
- VI. Adjournment**

Motion by Trustee Mills, seconded by Trustee Arnet, to adjourn the meeting at 7:17 p.m. Voice vote taken. All ayes. Motion carried.

Minutes submitted by:

Jennifer Djordjevic, Director of Operation &
Outreach / Office of the Mayor and Board

Date

**COMMITTEE AGENDA ITEM
VILLAGE OF HOFFMAN ESTATES**

SUBJECT: Request approval of:
 a. the Village Drainage Policy; and
 b. locations for the 2021 Drainage Improvement Project

MEETING DATE: August 16, 2021

COMMITTEE: Public Works & Utilities

FROM: Alan Wenderski, Director of Engineering

PURPOSE: Request approval of the Village Drainage Policy and locations for the 2021 Drainage Improvement Project

BACKGROUND: In 1992, the Village adopted a Drainage Policy and implemented the first annual drainage improvement project to correct drainage concerns considered public responsibility. The policy provides criteria to discern between public and private drainage concerns. The Drainage Policy was most recently revised in 2016. Annual drainage projects typically address multiple locations with a budget of \$30,000-\$60,000.

DISCUSSION: *Drainage Policy*
 The main purpose of the policy is to provide guidelines and a framework for discussions with residents during drainage investigations and general inquiries. This policy distinguishes between projects that qualify for public funding versus those that are the responsibility of the private property owner. In general, drainage improvements within the right-of-way are Village responsibility while most private property drainage issues are the responsibility of the property owner.

A revised Drainage Policy (attached) has been drafted to correspond more directly with the main intent of the Drainage Policy; differentiating public and private responsibility. A summary of the more substantial proposed changes to the policy is provided below:

- Throughout the document, the word “problem” was replaced with “concern”.
- Added headings for Public Responsibility and Private Responsibility. This formatting change allows the document to read more clearly to the purpose.

DISCUSSION: (Continued)

- Prioritization for drainage project list was moved below criteria for public responsibility.
- No substantive changes were made to the qualifying criteria for a drainage concern with public responsibility.
- Prioritization for drainage project list locations, revised per below:
 - #1 – Revised from “Specific drainage issue that causes property damage” to “Potential for property damage”
 - #2 – Revised from “Number of properties affected” to “Size of area affected”
 - #3 – No change
 - #4 – Added the criteria “Time that has elapsed since first identified”. When all other items are equal, this allows for locations that were identified first to be completed first.
- Private Responsibility – Provides language to directly define private drainage concerns and Village’s role in assisting property owners.

The proposed Drainage Policy was provided to the Stormwater Management Committee. No comments have been received to date.

Future Drainage Improvement Locations

A current list of drainage improvement locations identified by Village staff is attached. The attached list is prioritized based on the criteria stated in the Drainage Policy. As new qualified drainage problems are identified they are added to the list, prioritized, and corrected as funding allows.

The 2021 budget allocated \$60,000 for Annual Drainage Improvements and another \$40,000 for drainage improvements included within the scope of the street project. Location 1 (Carthage Lane) was completed within the scope of the Carthage Lane reconstruction this year. Staff is proposing the inclusion of locations 2 and 3 in the 2021 Drainage Improvement Project. Based on current estimates the cost of completing locations 2 and 3 equal the budgeted amount of \$60,000.

The proposed locations were provided to the Stormwater Management Committee. No comments have been received to date.

Staff plans on completing bidding documents by late August, letting in early September, and recommending an award of contract by early October. Work would be scheduled to be completed by late-October to early-November.

FINANCIAL IMPACT:

The estimated costs for completing locations 2 and 3 are equal to the budgeted amount of \$60,000 from the Stormwater Fund.

RECOMMENDATION:

Request approval of:

- a. the Village Drainage Policy; and
- b. locations for the 2021 Drainage Improvement Project.

Attachments

DRAFT
Village of Hoffman Estates
Drainage Policy
Revised August 2021

DRAINAGE POLICY:
PROPOSED VERSION

The purpose of the current drainage policy is to identify public/private responsibility of corrective action for drainage concerns.

Public Responsibility:

The criteria for consideration of a drainage concern with public responsibility are:

1. Drainage concern caused by deficiencies in the public right-of-way drainage systems.
2. Drainage/icing concern within the right-of-way that is caused by excessive offsite run-off.
3. Drainage concern within the right-of-way that cannot be resolved with minor grading between the sidewalk and curb due to “back-pitched” conditions.
4. Drainage concern that results from inherent design problems that were not fully resolved by the developer before final acceptance of a new development. The issues shall be identified within 5 years of subdivision acceptance and cannot be the result of changes to the property by the property owner.

Locations will be prioritized for inclusion in projects based on the following criteria.

1. Potential for property damage
2. Size of area affected
3. Severity of icing/standing water
4. Time that has elapsed since first identified

Note: A location does not qualify as a drainage concern unless standing water exists for longer than a 24-hour period after a rain event.

Maintenance responsibilities for the special circumstances in Parcel A (South of Golf, North of Higgins, East of Roselle) are described below:

1. Roadside swales will be maintained as part of the public drainage system.
2. All routine maintenance of driveway culverts in Parcel A is the responsibility of the property owner and includes repairs, patching, cleaning and replacement. Subject to an approved building permit, the Village will provide a new driveway culvert pipe to the property owner upon request.
3. Shoreline stabilization on private property along waterways is the responsibility of the adjacent property owner.
4. Roadside swales or drainageways shall not altered without Village permit. Filling of roadside swales or drianageways will not be permitted.

Private Responsibility:

All drainage concerns located on private property not meeting the public responsibility criteria above are the responsibility of the property owner. The Engineering Division is available to provide technical guidance in solving private property drainage concerns.

All private drainage systems shall connect to a Village storm sewer. Private drainage systems must not discharge at the sidewalk, curb, or near the property line. If a connection to a Village storm sewer is not feasible, alternative discharge methods will be approved by the Director of Engineering on a case by case basis.

**Village of Hoffman Estates
Drainage Policy
Revised April 2016**

**DRAINAGE POLICY:
CURRENT VERSION**

The Village originally adopted the Annual Drainage Improvement Project to correct drainage problems in the right-of-way (ROW) or locations on private property that meet the strict criteria listed below. The priority for projects that meet the criteria shall be as follow:

1. Specific drainage issue that causes property damage
2. Number of properties affected
3. Severity of icing/standing water

It is noted that standing water is not considered a problem unless it exists for longer than a 24-hour period after a rain event.

The drainage criteria for inclusion in the annual Drainage Improvement Project are:

1. Drainage problems caused by deficiencies in the public right-of-way drainage systems.
2. Drainage/icing problems within the right-of-way that are caused by excessive offsite run-off.
3. Drainage problems within the right-of-way that cannot be resolved with minor grading between the sidewalk and curb due to “back-pitched” conditions. Parkway heaving is common and can usually be addressed by minor regrading which is considered routine maintenance. If it is determined that there is the ability to grade between the sidewalk and the street to resolve the problem then the adjacent property owner is responsible.
4. Drainage problems that result from inherent design problems that were not fully resolved by the developer before final acceptance of a new development. The issues shall be identified within 5 years of subdivision acceptance and cannot be the result of changes to the property by the homeowner.

Maintenance responsibilities for the special circumstances in Parcel A (South of Golf, North of Higgins, East of Roselle) are described below:

1. Roadside swales in Parcel A will be maintained as part of the public drainage system. Any shoreline stabilization on private property such as along the creek in Parcel A is the responsibility of the adjacent property owner. Technical advice is available from the Village to assist the residents with stabilization methods.
2. There shall be no filling of any roadside swales in Parcel A. The Parcel A roadside swales hold considerable water during heavy rain events and compensate for the lack of detention in this subdivision. Filling in the roadside swales could cause flooding in this subdivision.
3. All routine maintenance of the driveway culverts in Parcel A is the responsibility of the homeowner and includes repairs, patching, cleaning and replacement. Since Parcel A is unique within the Village with driveway culverts, the Village provides a new driveway culvert pipe when the old pipe is replaced by the resident or their contractor. If driveway culvert replacement is necessary as part of a roadside ditch improvement project, then the Village will replace the culvert.

Drainage problems are typically identified through drainage investigations by the Transportation and Engineering Division when brought to our attention by residents. The Transportation and Engineering Division will provide technical guidance in solving private property drainage issues. In general, solutions to these drainage problems usually involve regrading and/or installation of storm sewers or pipe underdrains. It is noted that all private or backyard storm sewers or drain tiles must connect to a Village storm sewer. Private backyard drains must not discharge at the sidewalk, curb, or near the property line. If a Village storm sewer is not available, only systems deemed to not cause public nuisance will be approved by permit from the Village Engineer

The Drainage Improvement Policy will continue to be reviewed annually and updated as necessary.

Drainage Project Locations

**FUTURE DRAINAGE
IMPROVEMENT LOCATIONS**

Aug-21

PRIORITY	LOCATION	INITIAL DATE	DESCRIPTION	SOLUTION	COST	STATUS
1	200 Carthage Lane	2016	Sidewalk lower than street across most of lot. Water in garage in many heavy rains events, run-off from ROW contributing.	Replace dipped sidewalk, new apron, grade parkway to create slope from sidewalk to street. Lower street profile and install additional storm sewer.	\$30,000	Included within 2021 Street Revitalization Project
2	1815 Chippendale Road	2020	Low area north of intersection of Hillcrest Blvd and Chippendale Rd does not have sufficient overland flow drainage route. Ponding can impact 1815 Chippendale	Grading of sidewalk, parkway to improve overland flow route. Installation of storm inlet, and underdrain pipe.	\$30,000	Recommended for 2021 Drainage Project
3	3635 Winston Drive	2014	Intersection of Winston Drive and Firestone Drive is a low area without a sufficient overland flow. Side yard of 3635 and 3655 designed as overflow route but garage of 3635 is at a lower elevation.	Installation of additional redundant inlets in street to allow for maximum use of pipe and protect against debris blockage. Upsizing of downstream pipe cosidered as part of larger scale improvement.	\$30,000	Recommended for 2021 Drainage Project
4	Evergreen Lake	2013	Siltation from inflow pipe to pond, shoreline erosion.	Install new catch basin and re-align inflow pipe to pond.	\$30,000	
5	4995 Essington Lane	2020	Backpitch storm sewer pipe with multiple root intrusions within side yard of 4995/4991 Essington Lane.	Remove and replace existing pipe.	\$25,000	
6	655 Hillcrest Boulevard	2018	Low spot in roadway with frequent ponding and overland flow. Overland flow path is between 655 and 665 Hillcrest adjacent to homes.	Install redundant storm inlets in low area to reduce overland flow occasions due to storm grate obstructions.	\$6,000	Inlet frame & grate modification completed by Public Works. Monitoring conditions.
7	4075 N. Victoria Drive	2019	Standing water and icing on sidewalk along Harrison Lane frontage. Runoff from multiple upstream lots contribute.	Grading of sidewalk, parkway, and installation of pipe underdrain.	\$12,000	Monitoring during winter for severity of icing conditions.
8	1665/1655 Westbury Drive	2018	Standing water and icing on sidewalk due to runoff from upstream lots and low area in sidewalk.	Grading of sidewalk, parkway, and installation of pipe underdrain.	\$7,000	Monitoring during winter for severity of icing conditions.
9	1100 Basswood Street	2019	Roadside ditch grading w/impacts to driveway of 1100 Basswood.	Grade ditch and replace portion of driveway apron to remove high spot.	\$7,000	
10	235 Nogales Street	2021	Insufficient overland drainage path near south property line (boundary with Schaumburg).	Install storm inlet in low area on existing storm sewer pipe.	\$5,000	
11	2035 Shepard Road	2021	Standing water and icing on sidewalk due to sidewalk being lower than curb.	Grading of sidewalk and parkway.	\$4,000	Monitoring during winter for severity of icing conditions.

Drainage Project Locations

Aug-21

PRIORITY	LOCATION	INITIAL DATE	DESCRIPTION	SOLUTION	COST	STATUS
12	240/270 Carnation Lane	2021	Standing water on upstream side of driveway culverts. Build up of eroded material on downstream side is blocking water flow.	Grading of ditches to remove high spots.	\$3,000	
13	885 Basswood Street	2021	High spot in roadside ditch causing standing water in ditch near SE corner of Bluebonnet Lane and Basswood Street	Ditch grading along Basswood from Bluebonnet to driveway culvert at 865 Basswood.	\$3,000	
TOTAL LIST COST					\$192,000	

**COMMITTEE AGENDA ITEM
VILLAGE OF HOFFMAN ESTATES**

SUBJECT: Request authorization to award contract for Sunderlage House Porch Repairs to Tracy & Ed Construction Inc., Bartlett, IL (low bid), in an amount not to exceed \$27,380.

MEETING DATE: August 16, 2021

COMMITTEE: Public Works & Utilities

FROM: Joseph Nebel, Director of Public Works
Paul Petrenko, Superintendent of Facilities and Arena Maintenance

PURPOSE: To provide contracted carpentry services for Sunderlage House porch repairs.

BACKGROUND: Over the last several years, there has been a noticeable decline in the structural integrity of all of the wooden porches and entryway stairs on the Sunderlage House. The Code Department evaluated the situation and directed that the North elevation porch be barricaded for safety concerns until such time as repairs could be funded and completed. The South elevation stairway and porch was also in need of repairs.

DISCUSSION: Detailed specifications were written to bid the repairs by qualified carpentry contractors. It included the complete removal of the South porch and roof which was never original to the House. The front and rear stairways, North porch deck, and railings were to be rebuilt using new lumber and composite decking for longevity. These repairs will restore the esthetics and extend the useful life of the House.

DISCUSSION: (continued)

Two (2) bids were received before the advertised bid close date of July 19, 2021.

The bid tabulation is as follows:

Bid Firm	Bid Total
Tracy & Ed Construction Bartlett, IL	\$27,380
Efraim Carlson & Sons Construction Libertyville, IL	\$41,850

FINANCIAL IMPACT:

Tracy & Ed Construction was the low bidder. They have recently completed work for the Village on another project to our satisfaction and staff is confident in their qualifications.

\$21,000 was budgeted to fund the porch repairs from the Facilities General fund. There will be a deficit of \$6,380 as a result of this recommended bid award. This deficit can be absorbed through funds available from other budget line items.

RECOMMENDATION:

Request authorization to award contract for Sunderlage House Porch Repairs to Tracy & Ed Construction Inc., Bartlett, IL (low bid), in an amount not to exceed \$27,380.

**VILLAGE OF HOFFMAN ESTATES
DEPARTMENT OF PUBLIC WORKS
TABULATION OF BIDS FOR
PUBLIC WORKS SUNDERLAGE HOUSE PORCH REPAIRS**

Bid Opening Date: July 19, 2021
Time: 10:00 am
Attended by: Paul Petrenko

Bid Deposit: Amount of Deposit Received: Bid Certification Form Notarized: Substance Abuse Prevention Certificate: References Provided:	Firm:	Efraim Carlson & Son, Inc.	Tracy & Ed Construction, Inc.				
	Address:	14502 Petronella Dr, Ste.105 Libertyville, IL 60048	1064 Hudson Court Bartlett, IL 60103				
	Phone:	847-573-1888	630-936-3697				
	Fax:	847-573-0188	630-736-7822				
	E-mail:						
	Contact:	David W. Hillstrom	Edward M. Ismail				
		check		check		check	bond
		\$500.00		\$500.00		\$	
		Yes		Yes		Yes	No
		Yes		Yes		Yes	No
		Yes		Yes		Yes	No
Items		Unit Price	Total	Unit Price	Total	Unit Price	Total
All inclusive for removal & repair of Sunderlage House porches, stairs & railings as outlined in specs/drawings:			\$41,850.00		\$27,380.00		
Materials Warranty Information:			25 years on Trex decking		1 year		
Contractor Labor Warranty Information:			Two (2) years		1 year		
Number of weeks for work to start following the award of contract by Village:			Three (3) weeks		Three (3) weeks		
Total Bid			\$41,850.00		\$27,380.00		
Total Bid							

RETURN WITH BID

**VILLAGE OF HOFFMAN ESTATES
PROPOSAL FORM**

The undersigned, having examined the specifications, the site of work, and all conditions affecting the cost of performing the work, hereby proposes to furnish all labor, equipment and material, and to perform said work in accordance with the specifications thereof. Product specification sheets, as pertaining to proposed equipment has been included with this proposal form.

There is enclosed herein a Certified or Bank Cashier's Check in the amount of \$500.00, as stipulated under "INSTRUCTIONS TO BIDDERS" section.

It is understood that the Village reserves the right to reject any and all proposals (including alternate proposals) and to waive any technicalities.

PUBLIC WORKS SUNDERLAGE HOUSE PORCH REPAIRS

- A. All-inclusive proposed sum for the removal and repair of the Sunderlage House porches, stairs and railings as outlined in the specifications and drawings. \$ 27,380.00
- B. Provide Materials Warranty Information: ONE YEAR
- C. Provide Contractor Labor Warranty Information: ONE YEAR

Approximate number of weeks for work start following the award of contract by the Village;

THREE (3) weeks.

Vendor/Firm: TRACY & ED CONSTRUCTION, INC.

Initials: Ed

Note: All work proposed under the terms of this bid must be completed on or before November 1, 2021

Company: Tracy & Ed Construction, Inc.

Bidder's Name (print): Edward M. Ismail

Title: Vice President

Address: 1064 Hudson Court

Bartlett, IL 60103

Telephone: (630) 936-3697 Fax: (630) 736-7822

Signature: Edward M. Ismail Date: 7/19/21

Information on this form is mandatory. Please include three copies of this form with your bid documents.

**COMMITTEE AGENDA ITEM
VILLAGE OF HOFFMAN ESTATES**

SUBJECT: Request authorization to extend 2020 contract with Wachs Water Services, Columbia, MD (low qualified proposal), for the 2021 Valve Assessment Program with concurrent leak survey, in an amount not to exceed \$25,875.

MEETING DATE: August 16, 2021

COMMITTEE: Public Works & Utilities

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

PURPOSE: To extend the previous contract for a water distribution system valve assessment program with concurrent leak survey.

BACKGROUND: In 2014, the Village began a contracted annual valve assessment and exercising program. An additional concurrent leak survey began in 2015. This program is designed to operate valves to improve valve function, identify valves in need of repair or replacement, locate buried valves, and notify the Village of potential water leaks.

The Village's water distribution system includes over 3,200 main line valves, including approximately 1,000 that are 50-70 years old. These valves assist with system pressure and flow and are also used to isolate sections of pipe that must be repaired or replaced. Malfunctioning or difficult to locate valves may result in extended water service interruptions, expanded shutdown areas, or the need for additional staff or equipment during repairs.

Since the inception of this program, 99% of the Village system has been assessed and exercised. Approximately 500 – 750 valves are scheduled annually.

DISCUSSION: In 2020, Wachs Water Services was awarded the current contract and completed assessment of 500 valves, with leak survey, in a satisfactory manner. This contract also included optional 2021 and 2022 program extensions. Pricing for the 2021 extension is favorable compared to an alternate cost estimate provided by a second firm, as provided below:

Firm	Unit Cost	Lump Sum (500 Valves)	Leak Survey
Wachs Water Service	\$42.50	\$21,125	\$4,750
ME Simpson	\$50.00	\$25,000	\$4,000

DISCUSSION: (continued)

Wachs Water Services has also confirmed that they will continue to conduct work using 90% or greater Illinois-sourced labor, as currently required by the State.

Due to favorable pricing and past satisfactory performance, Staff recommends extending the contract with Wachs Water Services for the 2021 valve assessment program with concurrent leak survey.

FINANCIAL IMPACT:

The 2021 Capital Improvements Plan includes \$30,000 for the valve assessment program. The total proposed cost for the 2021 program is \$25,875.

RECOMMENDATION:

Request authorization to extend 2020 contract with Wachs Water Services, Columbia, MD (low qualified proposal), for the 2021 Valve Assessment Program with concurrent leak survey, in an amount not to exceed \$25,875.

**VILLAGE OF HOFFMAN ESTATES
DEPARTMENT OF PUBLIC WORKS
TABULATION OF PROPOSALS
2020 Valve Assessment Program - August 19, 2020**

Firm: Address: Phone: Other : E-mail: Contact: Bid Certification Form Notarized: Substance Abuse Prevention Certificate: References Provided:	Firm:	M.E. Simpson Co., Inc.		Wachs Water Services, a Xylem brand	
	Address:	500 E. Griffin Rd., Suite 310		8920 State Route 108, Suite D	
		Griffith, IN 46319		Columbia, MD 21045	
	Phone:	800.255.1521		800.525	
	Other :	fax 888.531.2444		D. Freudeman cell 614.290.6382	
	E-mail:	RandyL@mesimpson.com		Deryck.Freudeman@xyleminc.com	
	Contact:	Randy Lusk		Deryck Freudeman	
		Yes		Yes	
		Yes		Yes	
	Yes		Yes		
Items	Unit Price	Total	Unit Price	Total	
Lump sum cost, assessing 500 valves - 2020	total	\$25,000.00	total	\$21,125.00	
Alternate lump sum cost, assessing 500 valves - 2021	total	\$25,000.00	total	\$21,125.00	
Alternate lump sum cost, assessing 500 valves - 2022	total	\$25,750.00	total	\$21,125.00	
Optional unit price per water system appurtenance - 2020	each	\$4,000.00	each	\$4,750.00	
Optional unit price per water system appurtenance - 2021	each	\$4,000.00	each	\$4,750.00	
Optional unit price per water system appurtenance - 2022	each	\$4,000.00	each	\$4,750.00	
Estimated progress (number of valves assessed)	per day	35	per day	45	

Village of Hoffman Estates
 2305 Pembroke Ave
 Hoffman Estates, IL 60169

RE: 2021 Valve Assessment Program

Dear Mr. Xiao,

This letter is to confirm that Pure Technologies US Inc. / dba Wachs Water Services will use Illinois resident workers to complete the scope of work for the 2021 Valve Assessment Program. Our personnel represented in the table below are all residents of Illinois and will be responsible for 90% of all labor hours to complete each year of this project.

PROJECT TEAM

Name	Role
Pete Olson Jr.	Project Manager
Mike Olson	Lead Technician
Stephen Freund	Operator
Garrett Malcom	GIS Analyst

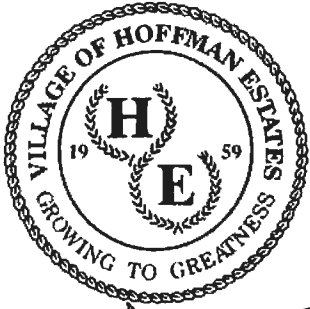
If further information is required about our project team, please let us know.

Sincerely,

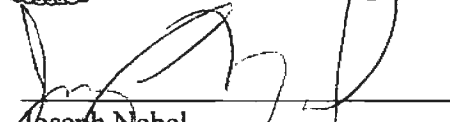



Ryan McKeon, Vice President

443-766-7873; ryan.mckeon@xylem.com



VILLAGE OF HOFFMAN ESTATES
DEPARTMENT OF PUBLIC WORKS
July 2021 MONTHLY REPORT
SUBMITTED TO: Public Works Committee
August 2021


Joseph Nebel
Director of Public Works


Kelly Kerr
Assistant Director of Public Works

WATER SYSTEM INTERCONNECT WITH PALATINE

June 2020: Village Board authorized an intergovernmental agreement with the Village of Palatine (VoP) for joint engineering and construction of an emergency water system interconnect. A contract was awarded to Baxter and Woodman Inc. (B&W) for engineering services (design) and construction management of this project.

August 2020: A project kick-off meeting was held.

April 2021: Obtained easement agreement with Little City, owner of the property through which the system interconnect will be constructed. Preliminary engineering plan outline is complete with all necessary approvals from VoP, VoHE, and Little City. Design of the interconnect station and control system is complete. Topographical survey of the construction site is complete. Geotechnical investigation of the proposed route is complete. Preparation of bid documents and construction plan continues.

May 2021: Detailed design of the system interconnect is complete. Critical sites have been selected for soil sampling and Clean Construction or Demolition Debris (CCDD) testing. Final review of project PS&E is ongoing before bidding.

June 2021: Soil sampling and testing are complete for the CCDD assessment. Following a successful bid process, recommendation was made to award the construction contract in early July.

July 2021: The contracts for manufacturing the interconnect booster station (EFI Solutions) and installation of the booster station pumping system and water mains (Mauro Sewer Construction, Inc.) were awarded. Construction is pending IEPA permit approval.

HUNTINGTON ROAD WATER MAIN REPLACEMENT

August 2019: Village Board authorized a contract with HR Green for engineering services for the replacement of approximately 2,500' of 16" transmission water main along Huntington Boulevard between Lakewood and Mundhank. The soil in this location is highly corrosive, causing excessive degradation of water main in this area.

May 2020: Design and engineering plans are complete. This includes 2,350' of 18" HDPE pipe with necessary valves and hydrants. IEPA construction permit issued. An application has been submitted to the State of Illinois Rebuild Illinois Public Infrastructure grant program to secure funding for this project.

July 2021: This project continues to be on-hold pending results from the 2020 Rebuild Illinois grant application.

GOLF LIFT STATION REPLACEMENT

May 4, 2020: Village Board authorized the construction contract with Rausch Infrastructure, LLC for Golf Road Lift Station Replacement. The scope of work covers replacing the existing steel can style lift station with a submersible pump lift station, temporary bypass pumping, demolition of the existing structure, rehabilitation of the existing wet well, and installation of the following: new concrete wet well and valve vault; submersible pumps and motors; controls in a prefabricated concrete building; and new emergency generator.

August 5, 2020: Pre-construction meeting was held and notice for construction to proceed was issued.

September 2020: Review of shop drawings for necessary revisions and corrections is complete. Construction was delayed due to unanticipated IDOT permit requirements.

October 2020: Construction was further delayed due to new ComEd requirements concerning the electric service line for the new station. The IDOT construction permit application was resubmitted including a widened driveway and directional boring for conduit installation that will cross Golf Road for the new electric line.

December 2020: Design of the new Golf Road conduit crossing for the ComEd service line is complete.

February 2021: Responded to all final comments from IDOT with corrected application and plan. Delivery of variable frequency drives (VFDs) has been scheduled.

March 2021: IDOT permit was issued. Construction is scheduled to begin in April.

April 2021: Construction has begun with installation of site fencing and closing of the right turn lane on Golf Road at this location. Removal of existing landscape vegetation and pavement is complete. New wet well H-beams were positioned for installation. Force main, bypass line, and electrical connection were exposed via hydro-excavation to avoid accidental damage.

May 2021: Installation of H-beams for new wet well structure is complete. Excavation for new wet well is 80% complete. Revisions to the new bypass pumping system plans are ongoing following discovery of a conflict with an existing conduit containing an IDOT traffic control signal fiber.

June 2021: Excavation for the new wet well is complete. Installation and construction of the new cast-in-place structure is 50% complete. A purchase order was issued to IDOT's contractor to relocate a traffic signal fiber/conduit that is in conflict with this project. This relocation work is pending IDOT approval.

July 2021: Installation and construction of the cast-in-place structure for the new wet well and valve vault is 75% complete. Further investigation of the IDOT conduit confirmed that the line was abandoned and no longer in conflict with construction.

WATER TOWER PAINTING – T2 AND T4

December 2, 2019: The Village Board authorized a contract with L.C. United Painting Co. for the painting of water towers at Stonington Boulevard (T2) and Huntington Boulevard (T4) and other miscellaneous items of work.

February 2020: Final approval for a low interest loan from the IEPA to fund this project was received.

April 2020: A pre-construction meeting was held. The siren post at T4 was relocated to avoid being damaged during this project and a temporary pole was installed to allow relocation of existing antennas affixed to the tower. Interior cleaning of T4 is complete with exterior cleaning in progress. A significant majority of metal repairs were completed including welding of the wet interior roof hatch and other minor rehabilitation.

May 2020: T4 painting is substantially complete including all metal repairs, foundation painting, and other miscellaneous work.

June 2020: T4 was returned to service on June 4, 2020 following disinfection and two consecutive successful water samples. Preparation for the painting of T2 began with minor metal repairs. All remaining work on T2 is scheduled to begin in September, 2020.

July and August 2020: No work was performed. The contractors was making effort to hire Illinois workers for the remaining work of T2 painting.

September 2020: Antennas for cellular services have been relocated back to T4 and the temporary tower has been removed. Landscape restoration is also complete at T4 site. The contractor is waiting for approval by the attorney general office for exemption from the employment act so that they can use the same crew of non-Illinois workers to start T2 painting.

October 2020: A request for a completion date extension was submitted to the IEPA for approval. The proposed new substantial completion date is June 30, 2021 with a new final completion date of July 30, 2021. The changed completion date will provide the contractor a guaranteed period of favorable weather to start and complete the project.

November 2020: Received IEPA approval for Change Order #2 regarding the extension of the final contract completion date to July 30, 2021.

June 2021: No progress. The contractor awarded this project has requested an extension to complete this project. The contractor has reported delays due to supply chain interruptions due to the COVID-19 pandemic, preventing them from obtaining the paint required for this project.

July 2021: No progress. Staff is in discussion with the IEPA regarding loan term extension and with the contractor regarding options for settlement of possible liquidated damages for not fulfilling the contracted work.

WATER DISTRIBUTION SYSTEM STUDY

April 1, 2019: The Village Board authorized a contract with Burns & McDonnell for engineering services to study and evaluate the water distribution system.

May 2019: A project kick-off meeting was held. Data collection and processing began.

September - November 2019: Necessary software was integrated with the Village SCADA system to allow a comprehensive analysis of water system operation. Plans were made for fire flow testing and telog installation. Work began on a hydraulic

model of the water system. Field measurements (fire flows and pressures), field data insertion into the model, and model calibration is complete. Water tower evaluation is complete.

June 2020: A hydraulic evaluation of the distribution system continued, following a delay due to the COVID-19 pandemic, including analysis of existing or future water tower locations, potential water main improvements, and water storage turnover/replenishment as well as a detailed review and simulation of the hydraulic model.

July 2020: Preparation continued on the final report of this study. Analysis continued on pumping, pressure, and storage turnover/replenishment.

August 2020: Team meeting was held to review draft report and conduct simulation run of the hydraulic model of the water distribution system under various scenarios. Parameters for water main replacement analysis was outlined.

September 2020: Successful coordination meeting was held with JAWA operation team on pressure and flow control for T2 painting project.

October 2020: Evaluation of T2 isolation for painting and analysis of water system storage turnover/replenishment is complete.

November 2020: Finalized recommendations for the capital improvement plan concerning future plans for the water tower located at Aster Lane.

December 2020: Initial transmission main system improvement evaluations are complete.

February 2021: Conducted site visits to evaluate existing pump stations.

April 2021: Work for the final report, an in-depth evaluation of a water main replacement program, continues.

May 2021: Review of an initial draft report is complete. Comments have been submitted to the Engineer requesting revisions.

July 2021: No progress.

MWRD IICP ENGINEERING

July 2, 2018: The Village Board approved a contract with Baxter & Woodman Consulting Engineers for engineering and field services required for compliance with the MWRD Infiltration/Inflow Control Program (IICP), including: condition assessment of high-risk sanitary sewer infrastructure; preparation of a plan for rehabilitation of major defects within three years of identification; recording identified illegal connections in high-risk areas; development and implementation of an ongoing program to identify and disconnect these connections as a Private Sector Program (PSP); and development and submittal of annual reports under the MWRD Short Term Requirements and Long Term Operation and Maintenance Program (LTOMP).

August 2018: A project kick-off meeting was held. Planning for smoke testing of sanitary sewers in high-risk areas began.

October 2018: Smoke testing was completed in 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 complete and 4 areas were identified for dye water testing to further determine the source of infiltration and inflow at these sites.

May – June 2019: Camera inspection of the remaining 173 required manholes is complete. Dye water testing is complete. A list of critical sewer repairs to occur in 2019 and 2020 was selected for IICP compliance.

September 2019: Design engineering and preparation of bid documents is complete. The project was successfully bid out and awarded to Michels Pipe Services.

December 2019: A pre-construction meeting was held and work planning completed.

January – February 2020: Sewer cleaning and inspection is complete. The required annual compliance report was submitted to MWRD.

June 2020: Sanitary sewer rehabilitation via cured-in-place pipe (CIPP) lining began, delayed due to the COVID-19 pandemic. Rehabilitation of approximately 1,630' of pipe is complete.

July 2020: Repair and rehab is substantially complete in compliance for MWRD IICP for Year 2020. Approximately 4,350' of lining and all post lining video-inspection is complete. Compilation of a deficiency list is in progress with on-going review.

August 2020: The list of deficient items was send to contractor and correction has been completed. Also completed is the 3rd party testing of rehabilitated sewer for structure strength, pending engineer's review and approval.

September 2020: Review of the 3rd party testing results is completed by the engineer with recommendation to approve closing the 2020 project of sanitary sewer rehabilitated, pending final invoice from the construction contractor.

October 2020: Continued review of inspection footage in preparation for the 2021 critical sanitary sewer rehabilitation program.

November 2020: The final invoice for completed 2020 sewer rehabilitation work and review of MWRD comments on the annual compliance report are pending.

December 2020: The engineering proposal was reviewed and approved for assistance in completing the final 2020 compliance report. This work is projected to begin in January, 2021. Final invoice is pending for construction work completed in 2020.

January 2021: Annual compliance report for 2020 is being assembled. The final invoice has been approved for construction work completed in 2020.

February 2021: Annual compliance report for 2020 was submitted to MWRD.

March 2021: Prepared response for comments from MWRD and continued CCTV inspection of high risk sewers.

April 2021: Received final approval letter from MWRD regarding the Village's proposed Private Sector Program and Long-term Operation and Maintenance Program.

May 2021: Received final approval verbally from MWRD regarding the Village's annual compliance report for years 2017, 2018, and 2019. The Village is awaiting the formal approval letter.

July 2021: The Village received formal approval on the annual compliance reports for 2017, 2018, and 2019. The next phase of compliance work will begin following approval of the 2020 annual compliance report, submitted in March 2021.

Administration

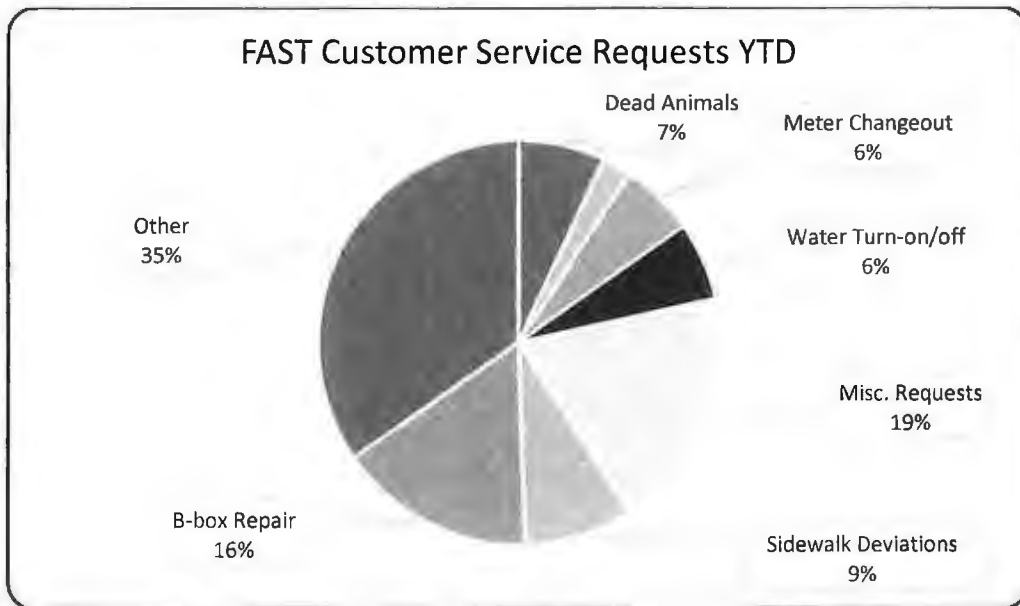
- Staff attended the 2021 APWA Public Works Expo in Villa Park. Forestry MII Art Beese participated in the front-end loader competition, Maintenance and Construction MIII Steve McKittrick and MI Julio Salas participated in the excavator competition, and the team of Maintenance and Construction MI Brad Palmer and MI Karl Pogorzelski participated in the Snow Plow obstacle course.

Customer Services

Fast Action Service Team (FAST):

- Continued oversight of the annual sidewalk replacement program.

Fast Action Service Team (FAST)												
Customer Service Requests												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
132	116	212	196	195	236	201						1,288



Customer Service Team:

Customer Service Team												
Water Billing - Customer Service Appointments												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
35	20	46	66	56	31	46						300
Finance-generated Water Meter Readings												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
176	135	151	152	136	87	99						936
Delinquent Water Accounts												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
106	124	136	186	113	103	140						908

New Construction Inspections												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	1	2	1	2	1	1						9
Customer Service Requests - Gov Q&A/Meter Repairs												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
8	13	24	39	21	20	6						131
B-box Repairs												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
0	0	0	0	0	0	0						0
MIU Installations/Replacements												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
17	6	16	34	61	23	0						157

Utility Locates Team:

1. Continued support of the 2021 Road Recon Program;
2. Continued providing locates related to the Microsoft Data Center project.

Utility Locates Team												
JULIE Locates												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
130	95	529	229	805	727	615						3,130
Emergency JULIE Locates												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
19	18	34	17	54	83	30						255
Utility Joint Meets												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
3	2	12	6	22	16	12						73

Facilities

1. Replaced rooftop exhaust fan motor and belt at Police Department;
2. Inspected and performed preventative maintenance on boilers at Fire Station #24, PWC, and Fleet;
3. Completed elevator inspections at Village Hall, Fire Station #24, and Police Department;
4. Accepted bids for Sunderlage House porch replacements.

Facilities												
Preventative Maintenance Program - Staff Hours												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
104	79	128	111	99	117	84						722

Fleet Services

Fleet Services												
Preventative Maintenance Program - Number of Repairs												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
17	25	33	27	18	36	21						177
Vehicles Sent for Warranty Repair												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
8	2	15	4	3	4	3						39

Forestry

1. Performed tree maintenance at the NOW Arena;
2. Assisted with preparations for the Sunderlage House open house event.

Forestry												
Customer Service Requests												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
10	2	26	33	71	69	80						291

Maintenance & Construction

Storm Sewer Team:

1. Performed creek line cleaning in the Stonington flow area.

Storm Sewer Team												
Feet of Storm Sewer Flushed												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1,650	1,290	1,300	780	0	1,950	650						7,620
Catch Basin Rebuilds												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
0	1	0	3	5	6	7						22

Construction/Maintenance Team:

1. Continued hydrant painting program (758 complete YTD);
2. Completed parkway restorations at previous dig sites.

Construction/Maintenance Team												
B-box Repair/Replacement												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	1	7	5	4	7	9						34
Hydrant Replacement												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
0	0	1	1	4	5	3						14

Valve Repair/Replacement												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
0	0	2	2	2	0	2						8

Water Main/Service Line Leak Repairs												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
3	0	4	4	2	3	8						24

Traffic Operations

Pavement Maintenance Team:

1. Assisted Street Light team with the repair of Village Green amphitheater ground lighting.

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	30.8	30.9	43.8	42.9						148.4

Tons of Cold Asphalt Installed												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
5.5	2.8	11.5	2.3	1.5	0.3	0.0						23.8

Sign Team:

1. Continued site obstruction clearance;
2. Performed type-I sign reposting on: Thornbark Drive; Charlemagne Drive North; Beacon Court; and Crab Orchard Drive.
3. Assisted Asphalt team with driveway repairs.

Sign Team												
Repaired/Replaced Signs												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2	20	11	6	7	2	3						51

Signs Fabricated and Installed												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
41	22	24	109	126	342	67						731

Street Light Team:

1. Notified ComEd of one street light out under their jurisdiction;
2. Cleaned and secured the site for one street light knockdown;
3. Assisted Asphalt team with driveway repairs;
4. Repaired ground lighting at the Village Green amphitheater.

Street Light Team												
Customer Service Requests												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
0	2	2	2	2	2	3						13

Street Lights Repaired												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
6	5	9	9	9	2	1						41

Water Operations

Operations Team:

1. Pulled Kingsdale pump #1 for repairs;
2. Completed inspection of Pfizer lift station wet and dry wells;
3. Repaired cathodic protection circuit at water tower #1;
4. Repaired aviation lights on top of water tower #6;
5. Replaced supply fan for the Police Department shooting range;
6. Installed new bunk room power feeds for Fire Station #22.

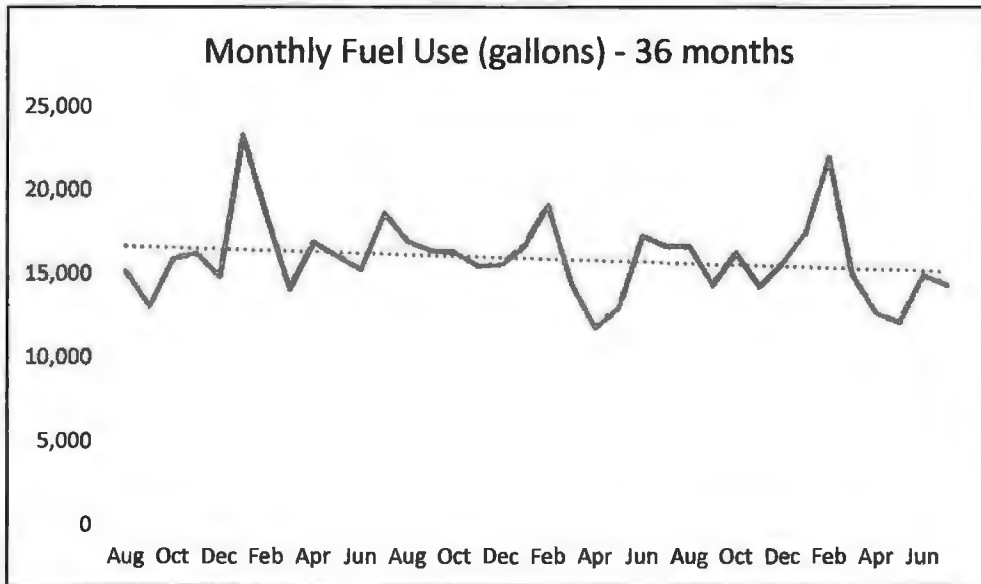
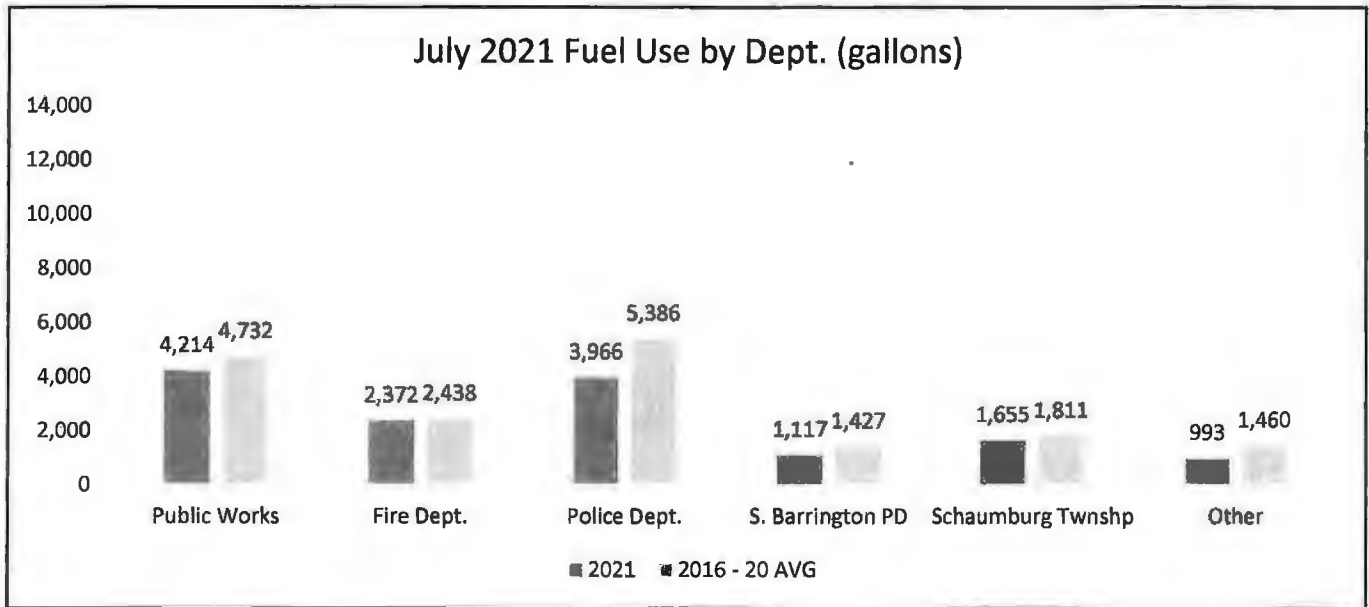
Operations Team												
Resident Water Quality Tests												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
0	5	6	4	4	3	2						24

Sanitary Sewer Flow Management Team:

1. Continued hydrogen sulfide treatment at University lift station;
2. Inspected WDA lift station in preparation of hydrogen sulfide treatments;
3. Televised sanitary sewer mains on Eagle Way and Central for Microsoft Data Center construction.

Sanitary Sewer Flow Management Team												
Sewer Lines Flushed (feet)												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1,200	1,300	4,880	15,000	20,200	30,500	9,020						82,100
Sanitary Main Inspections (feet)												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
200	350	740	250	330	200	150						2,220

Fuel Use Report



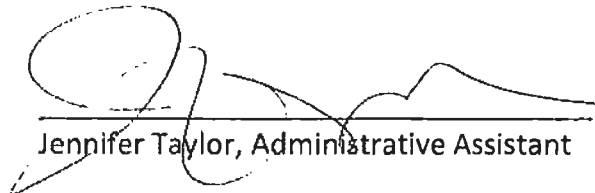
DEPARTMENT OF PUBLIC WORKS

Memo

TO: Public Works Leadership Team [J. Nebel, K. Kerr, H. Xiao, P. Petrenko]
FROM: Jennifer Taylor
RE: Compliment for Danny Hardt
DATE: 7/21/21

Rosemarie Humphreys of 2035 Parkview Circle, called to compliment Danny Hardt on the politeness and extra effort he did for her to clean up her yard after a hit and run vehicle drove through the garbage on her parkway.

Rosemarie Humphreys communicated that the interaction with Danny Hardt has certainly given her a personal, as well as a positive sense of the services supplied by the Village of Hoffman Estates to its residents.



Jennifer Taylor, Administrative Assistant

cc: Kevin McGraw
Danny Hardt
Employee File



**VILLAGE OF HOFFMAN ESTATES
DEPARTMENT OF DEVELOPMENT SERVICES
ENGINEERING DIVISION MONTHLY REPORT**

SUBMITTED TO: PUBLIC WORKS & UTILITIES COMMITTEE
BY: Alan Wenderski, P.E. Director of Engineering

August 2021

VILLAGE PROJECT UPDATES

2021 Street Revitalization Project

Work ongoing, see attached project update.

2021 Surface Transportation Program (STP) – Jones Road/Salem Drive Resurfacing

STP funding request for an additional \$79,939 approved by Northwest Council of Mayors. Surface paving completed week of August 9th. Pavement striping, signage, and final landscape restoration work remain. Project scheduled to be completed by mid-August. V3 contracted for construction engineering services.

Almond/Audubon Culvert Replacement

Project complete.

Arizona Boulevard Storm Sewer

DCEO Grant Agreement executed on June 15th. Staff drafting RFP for design services expected to be released week of August 16th. Project required to be completed by July 2022.

Drainage Project

Design ongoing. Target bid opening September 21st. Work expected to be commence in late October.

Higgins Road Culvert Railing

Plan preparation ongoing. HLR contracted for design engineering services.

Preventative Maintenance Project

Contract awarded to Patriot Pavement Maintenance on July 6th. Contracts executed, awaiting scheduling of preconstruction meeting.

COMMERCIAL PROJECT UPDATES

1225-1249 N Barrington Rd (Formerly 2595 W Golf Rd)

Site work substantially complete. Awaiting final restoration and final inspections.

Bell Works East Entrance – 2000 Center Dr

Permit issued, work ongoing.

Birch Park (Hoffman Estates Park District) – 1045 Ash Rd

Storm sewer installation complete. Pavement work complete. Installation of playground and final restoration work remains.

BMO – 1199 W Higgins Rd (Formerly 1400 Gannon Dr)

New building complete, temporary occupancy granted. Awaiting submittal for existing building demolition and as-built plans.

Bystronic/Eagle Way Extension – 2200 Central Rd

Revised plat of easement approved by Village Board on August 2nd. Awaiting completion of bill of sale and recordation of plat prior to public acceptance. Public acceptance expected to be presented at September Public Works & Utilities Committee.

ComEd – 2480 Pembroke Ave

MWRD final inspection complete. Awaiting submittal of as-built plans.

Fountain Crossing Lot 7b – 3125 N Barrington Rd

Sanitary service and storm sewer installation substantially complete. Concrete work ongoing.

Hoffman Plaza – Higgins Rd & Roselle Rd

Phase 1: Final restoration of detention basin completed. Awaiting bill of sale.

Outlot 3 – Banfield: Permit issued. Site work underway. Water service installation complete, testing underway. Sanitary service installation complete.

Mariano's Gas Station – 2581 W Golf Rd

Site work substantially complete. Awaiting MWRD final inspection and completion of punch list items.

Microsoft Data Center – 2190-2200 Lakewood Boulevard

Land development permit issued. Onsite mass grading work is ongoing.

- **Off-Site Sanitary Sewer Improvements**

Staff reviewing 90% plan submittal. First permit submittals for other agency expected to be completed by end of August.

- **Pfizer Lift Station Study**

Village contracted with Burns & McDonnell to evaluate impacts of Data Center development on capacity of Pfizer Lift Station. Full costs of study to be reimbursed by developer. Staff is reviewing draft final report.

Popeye's – 65 E. Golf Road

Awaiting cost estimate for calculation of required project guarantee. Awaiting issuance of MWRD and IDOT permits.

Roselle TIF Culvert Replacement

Staff completed plan review and provided comments on July 19th. Meeting with designer to discuss comments on July 27th.

Ziegler – 1051 W Higgins Rd

Parking lot and building work ongoing.

RESIDENTIAL PROJECT UPDATES**Amber Meadows – NE Corner of Essex Dr & Beacon Pointe Dr**

All items completed and inspected. Awaiting completion of condemnation of Lot 7 (Laufenberger) prior to public acceptance.

Autumn Woods – NW Corner Berner Road & Golf Road

Village contracted with Burns & McDonnell to evaluate water system modeling for concept development. Full costs of water model evaluation reimbursed by developer. Kick-off meeting with Burns & McDonnell held on July 26th.

Devonshire Woods – SW Corner of Shoe Factory Rd & Essex Dr

Final inspections completed in April 2021. Verifying bill of sale and maintenance guarantee documents in preparation for presenting for public acceptance.

Walnut Pond Estates – NE Corner of Rohrssen Rd & McDonough Rd (Formerly Airdrie Estates)

Construction on Lot 2 ongoing. Staff completed review of revised submittal for required sidewalk construction on McDonough Drive and Rohrssen Road which is awaiting issuance of permit. Staff reviewed permit submittal for Lot 7.

MISCELLANEOUS UPDATES**Stormwater Updates**

Update memo on various stormwater related topics sent to Stormwater Management Committee.

Staff compiling information for 5-year cycle recertification for Community Rating System (CRS).

Rebuild Illinois Capital Plan Funds – Stormwater

The Village has been unsuccessful in obtaining a timeline accessing the Rebuild Illinois capital funds that were originally approved in the 2019 capital plan. Staff continues to monitor the release of these funds and possible reallocation of funds for the approved projects. The 2019 capital plan allotted for a 5 year period to release all funds. Below is a table of the stormwater related projects included in the plan:

Legislative Description	Project	Type of Work	Funding
General	Almond / Audubon	Culverts	\$250,000
General	Arizona	Storm Sewer	\$300,000
Hermitage Lane	Hermitage	Storm Sewer	\$300,000

Grant agreement executed for Arizona Storm Sewer project. Funds to be reimbursed to Village upon expenditure of construction funds (expected in 2022).

Meetings & Training Attended

- Northwest Council of Mayors Technical Committee (July 23rd)
- Shoe Factory Road Status Meeting with Cook County and Civiltech (August 4th)

Engineering Site Plan Reviews

- 1555 Barrington Road
- 2401 Higgins Road

Short List Process for Professional Services

Staff released an open Request for Qualifications (RFQ) on July 1st. RFQ responses were due on July 15th.

38 responses to the RFQ were received and were reviewed by Engineering and Public Works staff. Based on staff review, 14 firms were selected to the prequalified short list for future work through December 2023. The firms were determined by selecting the top 5-6 firms, based on staff scoring, for each expected work area of expertise. As project needs arise, staff will prepare an RFP to selected firms within the short list, based on the type of project.

List of all firms that responded to the RFQ:

Alfred Benesch & Company	Epstein	Kimley-Horn and Associates, Inc.
Baxter & Woodman, Inc.	ESI Consultants, Ltd.	Larson Engineering, Inc.
BLA, Inc.	Gewalt Hamilton Associates, Inc.	Robinson Engineering, Ltd.
Bowman Consulting Group Ltd.	Graef-USA Inc.	Strand Associates, Inc.
CBBEL Christopher B. Burke Engineering, Ltd.	GSG Consultants, Inc.	TERRA Engineering, Ltd.
Chastain & Associates LLC	Haegar Engineering, LLC	The HOH Group, Inc.
Ciorba Group, Inc.	Hampton, Lenzini and Renwick, Inc. (HLR)	Thomas Engineering Group, LLC
Civiltech Engineering, Inc.	Hancock Engineering	TranSmart, Inc.
Clark Dietz, Inc.	Hey and Associates, Inc.	TranSystems
Crawford, Murphy & Tilly, Inc.	Horner & Shifrin, Inc.	V3 Companies, Ltd.
DAMA Consultants, Inc.	HR Green, Inc.	Wight & Company
Doland Engineering, LLC	H.W. Lochner, Inc.	Wood Environment & Infrastructure Solutions, Inc.
Engineering Resource Associates, Inc.	IMEG Corp.	

The 14 selected firms:

Baxter & Woodman, Inc.	Hey and Associates, Inc.
CBBEL Christopher B. Burke Engineering, Ltd.	HR Green, Inc.
Chastain & Associates LLC	IMEG Corp.
Ciorba Group, Inc.	Robinson Engineering, Ltd.
Civiltech Engineering, Inc.	Thomas Engineering Group, LLC
Gewalt Hamilton Associates, Inc.	TranSystems
Hancock Engineering	V3 Companies, Ltd.

Floodplain Inquiries

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
2020	1	0	0	1	2	0	1	0	9	4	1	1	20
2021	0	0	0	1	0	0	1	0					2

Freedom of Information Requests

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
2020	0	0	4	0	2	1	4	1	3	4	2	2	23
2021	1	2	4	1	0	2	3	3					16

Permit Inspections

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
2020	31	39	21	16	45	27	36	35	36	55	29	19	389
2021	14	4	8	28	30	46	34	58					222

Permit Reviews

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
2020	4	2	13	10	27	32	29	19	20	16	10	5	187
2021	3	2	14	12	26	34	21	45					157

Summary for active month:

1 – Addition	1 – Commercial Remodel	1 – Demolition	3 – Detached Garage
6 – Drainage	1 – Driveway Extension	1 – Dry River Bed	4 – Parking Lot
5 – Patio	5 – Sealcoat	1 – Sewer Repair	15 – Sidewalk
1 – Single Family Residence			

Residential Drainage Investigations

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
2020	4	3	11	11	41	47	33	4	4	5	4	1	168
2021	2	0	5	5	10	2	7	6					37

2021 Street Revitalization Project Schedule Update: (Week of August 9, 2021)

RECONSTRUCTION STREETS	Start Date ¹	Pre-Construction			Construction												Landscaping		Percent Complete
		Layout	Tree Root Pruning	Sawcutting	Concrete Removal	Asphalt Removal	Earth Excavation	Sub base Backfill	Storm Sewer	Curb & Gutter	Driveway Aprons	Sidewalks	Fine Grading	Asphalt Binder	Asphalt Surface	Striping	Backfill Topsoil	Sod & Seed	
1. ALPINE LANE Ash Rd to Arizona Blvd	6/7/2021		n/a																90%
2. BEACON COURT Westbury Dr to End of Street	6/1/2021		n/a																99%
3. CARTHAGE LANE Cumberland St to Arizona Blvd	7/16/2021		n/a																77%
4. COCHISE STREET Chandler Ln to Arizona Blvd	6/14/2021		n/a																80%
5. CRAB ORCHARD DRIVE Thornbark Dr to Downing Dr	6/1/2021		n/a																99%
6. DEVONSHIRE LANE Kingsdale Rd to Glen Lake Rd	6/14/2021		n/a																80%
7. EDGEFIELD LANE Kenwood Rd to End of Street	8/16/2021		n/a																0%
8. FLAGSTAFF LANE Washington Blvd to Grand Canyon St	6/29/2021																		80%
9. GREYSTONE PLACE Holbrook Ln to End of Street	8/16/2021		n/a																5%
												Completed		In Progress					

¹Tentative / Actual

Definition of Construction Steps:

- Layout: Village engineers evaluate existing conditions, determine removals, and complete construction staking.
- Tree Root Pruning: A circular saw machine cuts tree roots to reduce damage to the tree during construction.
- Saw Cutting: A circular saw machine cuts the concrete and asphalt at construction joints
- Concrete Removal: The contractor removes existing sidewalk, curb and gutter, and driveway aprons that will be replaced
- Asphalt Removal: The contractor either uses a backhoe or milling machine to remove existing asphalt layers.
- Earth Excavation: Removal of the all materials located below the existing road to a stabilized subgrade.
- Sub base Backfill: The installation of stone to a depth of 8"-12" with a layer of geotextile fabric.
- Storm Sewer: Repair and replacement of existing storm sewer structures and pipes.
- Curb & Gutter: The installation of concrete curb & gutter utilizing mechanical equipment or hand tools.
- Driveway Aprons: The replacement of asphalt and concrete driveway aprons.
- Sidewalks: The replacement of concrete public sidewalks
- Fine Grading: The shaping of the stone sub base to ensure drainage, compaction, and elevation
- Asphalt Binder: The first layer of asphalt
- Asphalt Patching: Repair of localized pavement failures on resurfacing streets.
- Asphalt Surface: The final layer of asphalt.
- Striping: Completion of permanent pavement striping.
- Backfill Topsoil: Placement of topsoil to areas that have been disturbed during construction.
- Sod & Seed: Placement of sod and seed to areas that have been disturbed during construction.

2021 Street Revitalization Project Schedule Update: (Week of August 9, 2021)

RESURFACING STREETS	Start Date ¹	Pre-Construction		Construction										Landscaping		Percent Complete	
		Layout	Sawcutting	Concrete Removal	Asphalt Removal	Storm Sewer	Curb & Gutter	Driveway Aprons	Sidewalks	Asphalt Binder	Asphalt Patching	Asphalt Surface	Striping	Backfill Topsoil	Sod & Seed		
1. BERKLEY LANE W Western St to Washington Blvd	4/20/2021											n/a					99%
2. CHARLEMAGNE DRIVE N Versailles Rd to Freeman Rd	6/1/2021											n/a					99%
3. DENNISON ROAD Cambridge Ln to Durham Ln	4/14/2021											n/a					99%
4. DOVINGTON DRIVE W Chatsworth Ln to Gannon Dr	5/17/2021							n/a									99%
5. DOWNEY STREET Bode Rd to End of Street	5/5/2021											n/a					99%
6. DURHAM LANE Ashley Rd to Highland Blvd	4/13/2021																99%
7. ESSEX DRIVE Shoe Factory Rd to Beacon Pointe Dr	4/9/2021							n/a				n/a					100%
8. ESSEX DRIVE Caribou Ln to Shoe Factory Rd	4/5/2021							n/a				n/a					100%
9. HOLLY LANE Aspen St to End of Street	5/13/2021			n/a		n/a	n/a	n/a	n/a					n/a	n/a		99%
10. HUNDLEY STREET N Hundley St to End of Street	5/5/2021											n/a		n/a			100%
11. HUNDLEY STREET W Hundley St N to Downey St	5/5/2021											n/a		n/a			100%
12. HUNDLEY WAY Bode Rd to Hundley St	5/5/2021											n/a					99%
13. HUNTERS RIDGE WEST Fox Path Ln to Falcon Ln	4/5/2021							n/a	n/a			n/a					100%
14. KELBERG AVENUE Delaney Dr to Canterbury Ln	4/9/2021											n/a		n/a			100%
15. KELLEY DRIVE Elliott Dr to Landers Dr	4/9/2021											n/a		n/a			100%
16. KINGSDALE ROAD Golf Rd to Darlington Cir W	5/4/2021											n/a					99%
17. KINGSTON DRIVE Chambers Dr to Bradwell Rd	5/19/2021											n/a					99%
¹ Tentative / Actual										Completed			In Progress				

2021 Street Revitalization Project Schedule Update: (Week of August 9, 2021)

RESURFACING STREETS	Start Date ¹	Pre-Construction		Construction										Landscaping		Percent Complete	
		Layout	Sawcutting	Concrete Removal	Asphalt Removal	Storm Sewer	Curb & Gutter	Driveway Aprons	Sidewalks	Asphalt Binder	Asphalt Patching	Asphalt Surface	Striping	Backfill Topsoil	Sod & Seed		
18. LINCOLNSHIRE LANE Partridge Hill Dr to Partridge Hill Dr	5/4/2021							n/a				n/a					99%
19. MALLARD LANE Hunters Ridge W to 1405 Mallard Ln	4/5/2021							n/a				n/a		n/a			100%
20. MAYWOOD LANE Milton Ln to Washington Blvd	4/26/2021											n/a					99%
21. OLIVE STREET Berkley Ln (W) to Alcoa Ln	4/20/2021																99%
22. OLMSTEAD DRIVE Mumford Dr to Palatine Rd	5/18/2021							n/a									99%
23. TOPAZ DRIVE Opal Dr to Mumford Dr	5/25/2021											n/a					99%
										Completed		In Progress					

¹Tentative / Actual