FLOSSMOOR
Welcoming. Beautiful. Connected.

Village of Flossmoor
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Flossmoor, Illinois 60422
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AGENDA
FOR THE REGULAR MEETING OF THE BOARD OF TRUSTEES OF THE VILLAGE OF FLOSSMOOR, ILLINOIS
MONDAY, APRIL 6, 2020 – 7:30PM

The April 6, 2020 meeting of the Mayor & Board of Trustees will be conducted remotely via GoToMeeting, which is permitted by Governor Pritzker's Executive Order 2020-07. The public is invited to monitor the meeting using the dial-in number below. Public participation will be permitted only during the Citizen Comment portion of the agenda. Members of the public may also comment on items on the agenda by email to info@flossmoor.org. Comments received by 6:00 p.m. on Monday, April 6 will be read into the record of the meeting.

Dial in using your phone.
United States: +1 (312) 757-3121
Access Code: 717-390-133

CALL TO ORDER

ROLL CALL

APPROVAL OF MINUTES OF THE MEETING HELD ON MARCH 16, 2020

CITIZENS PRESENT WISHING TO ADDRESS THE BOARD

BOARD OF TRUSTEES AGENDA ITEMS

1. **Appointment of Interim Fire Chief**
2. **Consideration of an Award of Contract to Strand Associates for Water Supply Study Distribution System Modeling and Analysis**
3. **Consideration of an Ordinance Granting Emergency Powers to the Mayor of the Village of Flossmoor, Cook County, Illinois**
4. **Consideration of an Ordinance Authorizing the Village Manager to Implement the Families First Coronavirus Response Act**
5. **Discussion of an Additional Funding Request for Membership in the GIS Consortium**
6. **Discussion of the Preliminary FY 21 Budget (Finance and Facilities Plan)**

REPORTS OF COMMITTEES, COMMISSIONS AND BOARDS

<u>Finance Committee: Trustee Diane Williams</u>

Presentation of Bills for Approval and Payment (April 6, 2020)

OTHER BUSINESS

7. **A Motion to go into Executive Session to Discuss the Employment of Specific Individuals, Property Acquisition, and Litigation**

FOR PERSONS WITH DISABILITIES: If you plan on attending a Village Board meeting and need an accommodation, please call the Village Hall at 708-798-2300 or TDD 708-647-0179 at least one full business day prior to the

FLOSSMOOR

Approval of the Minutes of the Regular Meeting Held on March 16, 2020

The Minutes will be made available to the Public on the Village website, www.flossmoor.org following their adoption at a scheduled meeting.

TO: Mayor Braun and Board of Trustees
FROM: Bridget Wachtel, Village Manager
DATE: April 6, 2020
SUBJECT: Interim Fire Chief

FLOSSMOOR

Mayor Braun will be appointing an interim Fire Chief on Monday evening with the advice and consent of the Board of Trustees.

TO: Bridget Wachtel, Village Manager
CC: Scott Bordui
FROM: John Brunke, Public Works Director
DATE: April 6, 2020
SUBJECT: Water Supply Study Distribution System Modeling - Contract Award and Budget Amendment

FLOSSMOOR

The water supply study being conducted by Strand Associates is progressing well. Strand Associates has been tasked with assessing the feasibility of connecting to Chicago Heights either directly or staying connected with Homewood for our future drinking water supply. Strand is evaluating the total cost of construction, which will include developing a basis for demand, evaluating the water system, engaging potential water suppliers, evaluating potential transmission routes, and developing opinions of probable cost for implementation.

Strand has completed the initial steps of the study, and this has resulted in the discovery of another potential connection option to the City of Chicago Heights. In order to determine the feasibility of this third option, a steady state and extended period water system model simulation needs to be completed. This modeling will look at current and future demands on the system and determine what system improvements may or may not be needed to make this third option feasible. After initial review, this option appears to have the potential for being less expensive than the other options evaluated to date, and therefore must be further evaluated. This modeling effort will also be needed for the water quality assessment of the new supply source.

Attached for your reference is Task Order No. 20-01 from Strand Associates. This task order covers the work that we need completed in this step. The total cost of Task Order No. 20-01 is $48,000. Future task orders that will be needed is a comprehensive analysis of the water quality of the new water supply and technical assistance related to contract negotiation.

With the above information in mind, Staff recommends that the Mayor and Board of Trustees approve Task Order No. 20-01, in the not-to-exceed amount of $48,000 and approve a budget amendment to line 08-11-7-771 in the amount of $48,000.

Strand Associates, Inc.®
1170 South Houbolt Road
Joliet, IL 60431
(P) 815-744-4200

STRAND
ASSOCIATES®

Task Order No. 20-01
Village of Flossmoor, Illinois (OWNER)
and Strand Associates, Inc.® (ENGINEER)
Pursuant to Agreement for Technical Services dated January 2, 2020

Project Information

Services Name: Distribution System Modeling and Chicago Heights Supply Connection Assessment

Services Description: Develop a preliminary report assessing potential to develop a City of Chicago Heights water supply located near the intersection of Vollmer Road and Dixie Highway. The report will include developing hourly demands for OWNER, calibration of the existing water model for steady state and extended period simulations, developing minimum sizing for receiving station storage and capacity, evaluating existing system for relocated delivery location, developing proposed improvements to facilitate relocated delivery location, and developing opinions of probable construction cost (OPCC) for implementation. The report will also evaluate system performance with demolition of the Sterling Tank and evaluate potential system improvements and associated costs for providing a water supply to Olympia Fields through the distribution system.

Scope of Services

ENGINEER will provide the following services to OWNER:

1. Request and collect data from OWNER. Review available data.

2. Develop pumping and storage sizing for a receiving station based draft water supply contract language provided by the City of Chicago Heights.

3. Conduct water system modeling for conditions associated with water quality and water system performance for the current and future connection conditions in OWNER's system including the following:

   a. Update the water model to include pumps, reservoirs, elevated tanks, and controls.

   b. Develop projected hour demand distribution throughout the maximum day using OWNERs supervisory control and data acquisition (SCADA) data and physical dimensions of OWNER's water storage facilities.

   c. Assist OWNER in conducting field testing required to calibrate the model for steady state and Extended Period Simulation (EPS).
      (1) Assist OWNER in conducting up to ten field fire flow tests throughout the system.
      (2) Perform steady state calibration of the water system to industry-accepted standards using field fire flow results and OWNER-provided SCADA information.
      (3) Perform an EPS calibration of the water system to industry-accepted standards using pumping and storage facility SCADA information from a 24-hour period in 2019 that represents a maximum day demand condition.

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d. Perform water modeling current and future conditions (with and without Olymp Fields) including system velocities, pressures, available fire flow, and water age. Revie areas of significant change in level of service.

e. Simulate system improvements to potentially mitigate areas exhibiting significant lev of service decline and to facilitate the transfer of water from the proposed connectic location into the system.

f. Evaluate impact of removal and demolition of the Sterling Tank on system operations

4. Develop an OPCC for proposed improvements for both the stand-alone supply and a supply th serves Olympia Fields. Develop preliminary water rates, based upon the wholesale water rat provided by OWNER and the associated OPCC for both options.

5. Meet with OWNER to discuss the initial findings of the modeling efforts and draft OPCC.

6. Prepare draft report sections summarizing the findings and incorporate into report prepared f Task Order No. 19-01. Submit draft portable document file (PDF) format copies to OWNER f review and comment. Meet with OWNER to review the draft report sections.

7. Prepare the final report and submit electronic copies in PDF format to OWNER.

Compensation

OWNER shall compensate ENGINEER for Services under this Task Order on an hourly rate basis pl expenses an estimated fee of $48,000.

Schedule

Services will begin upon execution of this Task Order, which is anticipated the week of March 16, 202 The meeting listed in Scope item No. five is scheduled for completion on or before May 15, 202 Services are scheduled for completion on June 16, 2020.

TASK ORDER AUTHORIZATION AND ACCEPTANCE:

ENGINEER:	OWNER:
STRAND ASSOCIATES, INC.®	VILLAGE OF FLOSSMOOR
Joseph M Bunker 3/9/2020	
Joseph M. Bunker Date	Paul Braun Date
Corporate Secretary	Mayor

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TO: Mayor Braun and Board of Trustees
FROM: Bridget Wachtel, Village Manager
DATE: April 6, 2020
SUBJECT: Emergency Declaration Granting Powers to the Mayor

FLOSSMOOR

The purpose of the attached ordinance is to ensure the continued operations for the Village of Flossmoor during a Declaration of Emergency, specifically the COVID-19 pandemic. As a unit of government, the Village has several checks and balances to ensure that the democratic process is upheld in policy making and the expenditure of funds. Given the pandemic, the Village may be faced with circumstances in which decisions and the spending of money that would otherwise be made by the Board need to be expedited during the time in between board meetings. This ordinance provides the Mayor with that authority and sunsets at the next board meeting, unless renewed.

ORDINANCE NO. __________

AN ORDINANCE GRANTING EMERGENCY POWERS TO THE MAYOR OF THE VILLAGE OF FLOSSMOOR, COOK COUNTY, ILLINOIS

WHEREAS, the Village of Flossmoor, Cook County, Illinois (the "*City*") is a duly organized and validly existing non home-rule municipality created in accordance with the Constitution of the State of Illinois of 1970 and the laws of the State; and

WHEREAS, the United States Centers for Disease Control (CDC), the United States Department of Health and Human Services (HHS), and the World Health Organization (WHO) have each determined that SARS-CoV-2 virus causes the COVID-19 respiratory disease which is a new strain of coronavirus that had not been previously identified in humans and is easily spread from person to person causing serious illness or death; and

WHEREAS, on January 31, 2020, the Secretary of Health and Homeland Security declared a public health emergency for the entire United States of America concerning COVID-19; on March 9, 2020, Governor Pritzker issued a disaster proclamation concerning the spread of COVID-19 in Illinois which has since been extended; and on March 13, 2020, President Trump declared a national emergency concerning the COVID-19 pandemic; and

WHEREAS, the Illinois Department of Public Health has now confirmed localized community person-to-person transmission of COVID-19 in Illinois, significantly increases the risk of exposure and infection to Illinois' general public and creating an extreme public health risk in the City and throughout the State. As has been experienced around the world with the SARS-CoV-2, the COVID-19 virus has the potential to infect large numbers of people in a short amount of time, placing extreme burdens on the health care system and the economy; and

WHEREAS, in order to prevent the spread of COVID-19 in the Village, and to protect the residents of the Village from disease and death, the Mayor and Board of Trustees deem it to be in the best interest of the Village's residents, business owners, Village officials and Village staff to declare a State of Emergency and authorize the Mayor to undertake the actions hereinafter set forth deemed necessary to respond to this emergency; and

WHEREAS, the Illinois Municipal Code, 65 ILCS 5/11-1-6, provides for the declaration of a state of emergency and the grant of extraordinary authority to the Mayor by ordinance passed by the Board of Trustees; and

WHEREAS, the Illinois Emergency Management Agency Act, 20 ILCS 3305/11, further provides for emergency local disaster declaration by the principal executive officer which is the Mayor in the case of the Village.

NOW, THEREFORE, BE IT ORDAINED, by the Mayor and Board of Trustees of the Village of Flossmoor, Cook County, Illinois, as follows:

Section 1. - RECITALS

The foregoing recitals shall be and are hereby incorporated as findings of fact as if said recitals were fully set forth herein.

Section 2. - LOCAL STATE OF EMERGENCY

It is hereby found that the declaration of the Department of Health and Human Services and the proclamation of the Governor of the State of Illinois of the existence of a pending disaster collectively affirm there exists a State of Emergency in the Village.

Section 3. - ORDERS AUTHORIZED

In the interest of public safety and welfare and to address the issues caused by the emergency, the Mayor is authorized to take the following actions during the State of Emergency:

1) Take all actions reasonably necessary to respond to the emergency;
2) In the event the State of Emergency extends beyond the current fiscal year and a new budget has not been approved, the Mayor shall be authorized to approved new spending by the Village during the existence of this State of Emergency;
3) Take any and all actions authorized by the Illinois Emergency Management Agency Act, 20 ILCS 3305/1 et seq., and in particular those set out in Section 10 “Local Disaster Declarations” as may be made applicable to the Village;

4) Authorize the delay or suspension of Village programs or services, application deadlines, penalty or late payment provisions associated with payment of Village fees, adjudication hearings, code enforcement, and zoning provisions;

5) Implement such emergency procedures as may be necessary for the preservation of the health and safety of Village employees;

6) In consultation with the Village Manager, implement alternative staffing, protocols, and procedures for the Village's Police Department, Fire Department, Public Works Department and other administrative offices; and

7) Cooperate and coordinate with all emergency operations of the Cook County, State of Illinois and all other local governments to best utilize the resources of all governments and agencies in the area to respond to the state of emergency.

Section 4. - DURATION

This Ordinance shall be in full force and effect until the first to occur, a declaration that the State of Emergency no longer exists or the first regular meeting of the Board of Trustees after the state of emergency has been declared. This Ordinance may be reinstated by the Board of Trustees at any regular meeting so long as the state of emergency remains.

Section 5. This ordinance shall be in full force and effect upon its passage, approval, and publication as provided by law.

AYES: ____

NOES: ____

ABSENT: ____

ABSTAINED: _____________________________________

PASSED: ____

APPROVED: ______________________________________

PUBLISHED: ____

APPROVED:

____
Mayor

ATTEST:

____
Village Clerk

TO: Mayor Braun and Board of Trustees
FROM: Allison Matson, Assistant Village Manager
DATE: April 6, 2020
SUBJECT: Families First Coronavirus Response Act Policy

FLOSSMOOR

On March 18, 2010, President Donald Trump signed into law the *Families First Coronavirus Response Act* ("FFCRA") which provides benefits to all public and private employees working for companies and governments with less than 500 employees effective April 1, 2020 through December 31, 2020. The FFCRA provides for an expansion of the Family and Medical Leave Act ("FMLA") and adds the Emergency Paid Leave Act to address the needs of employees resulting from the COVID-19 pandemic. Like other employers, the Village of Flossmoor will need to develop a policy to administer these benefits. Usually, staff would have a reasonable amount of time to review and develop such a policy and bring it before the Board. However, unlike other employee benefits, the speed with which the law was passed and the Department of Labor is reviewing and revising administrative regulations necessitates an approach slightly different than other benefits that the Village provides to its employees. To illustrate, on April 2, 2020 DOL issued a 125 pages of regulations regarding this act and it would not be surprising if more clarification is issued in the future. Therefore in order to effectively develop and swiftly implement a policy and respond to any changes, the attached ordinance permits the Village Manager to develop and administer such policy in accordance with law. The policy will be developed with the advice of the Village's labor counsel and Village Attorney. These benefits are due to sunset on December 30, 2020.

ORDINANCE NO. __________

AN ORDINANCE AUTHORIZING THE VILLAGE MANAGER TO IMPLEMENT THE FAMILIES FIRST CORONAVIRUS RESPONSE ACT

WHEREAS, the Village of Flossmoor, Cook County, Illinois (the "*Village*") is a duly organized and validly existing non home-rule municipality created in accordance with the Constitution of the State of Illinois of 1970 and the laws of the State; and,

WHEREAS, on March 18, 2010, President Donald Trump signed into law the *Families First Coronavirus Response Act* ("FFCRA"), an emergency measure to provide many benefits to all public and private employees working for companies and governments with less than 500 employees effective April 2, 2020 through December 31, 2020; and,

WHEREAS, the FFCRA provides for an expansion of the Family and Medical Leave Act ("FMLA") and adds the Emergency Paid Leave Act to permit both public and private employers with less than 500 employees to address the needs of employees resulting from the COVID-19 pandemic: and

WHEREAS, the Mayor and Board of Trustees of the Village believe it to be in the best interest of Village employees to authorize the Village Manager to implement the provisions of the FFCRA as mandated by law.

NOW THEREFORE, BE ORDAINED by the Mayor and Board of Trustees of the Village of Flossmoor, Cook County, Illinois, as follows:

Section 1. That the foregoing recitals are hereby adopted as if fully set forth herein.

Section 2. That the Village Manager is hereby authorized to establish procedures as required to implement the provisions of the *Family First Coronavirus Response Act* and amend those procedures as necessary and in accordance with the Department of Labor regulations.

Section 3. This Ordinance shall be in full force and effect from and after its passage, approval and publication as provided by law.

AYES: ____

NOES: ____

ABSENT: _______________________________________

ABSTAINED: ____________________________________

PASSED: ____

APPROVED: _____________________________________

PUBLISHED: _____________________________________

APPROVED:

____
Mayor

ATTEST:

____
Village Clerk

TO: Mayor Braun and Board of Trustees
FROM: Allison Matson, Assistant Village Manager
DATE: April 6, 2020
SUBJECT: Discussion of an Additional Funding Request for Membership in the GIS Consortium

FLOSSMOOR

The purpose of this memo is to provide information on the FY21 Additional Funding Request to join the GIS Consortium, which provides a Geographic Information System (GIS) for more than 30 suburban communities. GIS will help staff to manage information on properties and infrastructure more efficiently, as well as communicate information on infrastructure more effectively with Village residents. The first-year cost is $73,244, which includes the software license, computer equipment and on-site staffing to administer and support the Village's use of the program. This is an on-going cost, although subsequent years are slightly lower because the first year includes startup equipment purchases. The management team supports the funding of this program, recognizing that it is long overdue.

GIS is a software system that has been common in government since the 1990s. GIS is both a mapping system and an asset management system and allows Village staff across departments to manage and view all details associated with a property or infrastructure asset in one software application. For example, a staff member could click on an address and view zoning information, parkway tree status, code violation history, building permit data, water meter age, and much more. Police and Fire could access electric and gas main locations and visualize crime or call volume data.

Currently, this information is managed in multiple spreadsheets and software systems, as well as in paper files. The GIS system will provide an interface for bringing all the information into one database. It is also a powerful mapping tool for infrastructure and can help the community visualize infrastructure funding needs. The Village currently produces maps using Computer-Aided Drafting (CAD) software, which is helpful for engineering purposes but labor intensive and ineffective at using data to tell the story behind the picture.

The Village is proposing to join the GIS Consortium at this time in part, because the Metropolitan Water Reclamation District (MWRD) is now requiring Villages to submit maintenance and assessment work in a GIS format. This will be required for our Infill & Infiltration (I&I) data, Phase IV Sanitary Sewer Rehab plan and the National Pollutant Discharge Elimination (NPDES) inspection program. Additionally, the Village has not yet developed a comprehensive sidewalk inventory because it is not practical or efficient to do so outside a GIS program. There are a few other options to fulfill the GIS requirements for MWRD, but they do not provide the organization-wide benefit of the GIS Consortium. Alternatives includes contracting with an engineering company such as Baxter & Woodman or joining the SSMMA GIS Consortium. Both of these options provide limited organization-wide benefit because they would be project-based rather than developed to unify the Village's data and help staff better track assets and assist in our various decision-making processes. Finally, the Village could also elect to purchase the software license and develop the program in-house, but the project would be unsustainable without hiring a minimum of one staff person to support the use of the software.

Background on the GIS Consortium

The GIS Consortium is a cooperative of more than 30 suburban communities that contract with the firm Municipal GIS Partners (MGP) for GIS services. Each community pays an annual membership fee based on their community's square miles. In exchange for the fee, MGP provides an on-site GIS consultant who manages the GIS system and assists the staff in identifying and implementing projects to better use the data. The on-site time allocated to the community is based on the community's square miles. For Flossmoor, the site analyst would be on site, likely in Public Works, for three days every two weeks. MGP has personnel management responsibility and a Board of the GIS Consortium oversees the program and manages the contract with MGP.

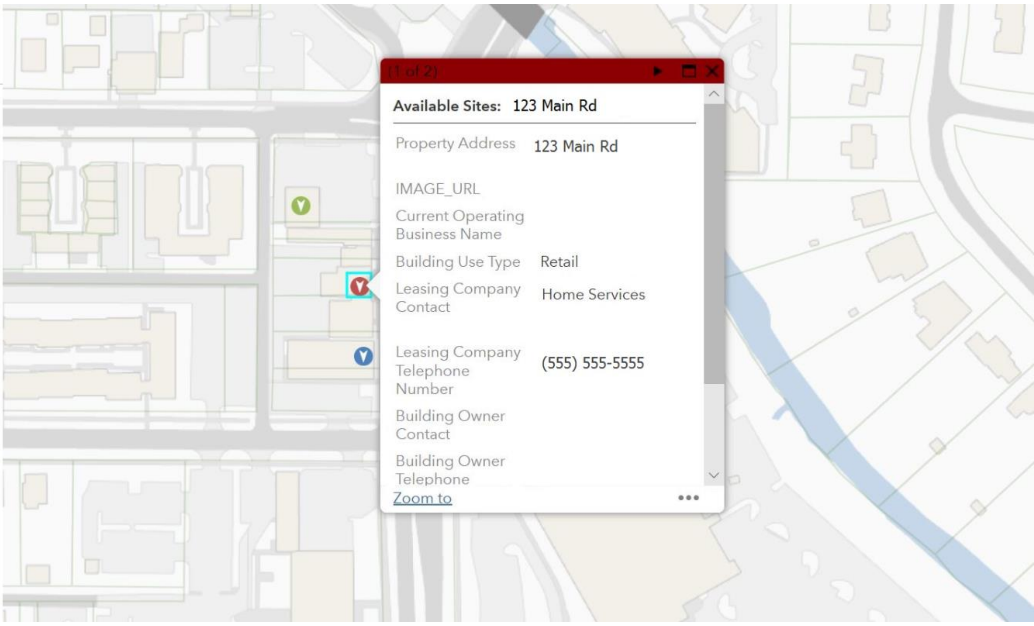
Example Projects

The GIS Consortium provides a resource of example projects that help demonstrate the value of a GIS system. The website can be found here: http://bit.ly/2vDP4C3. Any project that has been developed for any member municipality would be available to Flossmoor. Projects that will be especially useful to the Village over the next few years include mapping flood damage reports from the September 2019 flood, mapping water meter locations, mapping vacant homes and code enforcement violations and mapping street conditions and sidewalk hazards. The benefit of the Consortium is that we will have the support of an on-site analyst who is an expert in the technology and can ensure we're maximizing the system in a manner consistent with other communities' use.

Below are some examples from other GIS Consortium members that show how they've used the program.

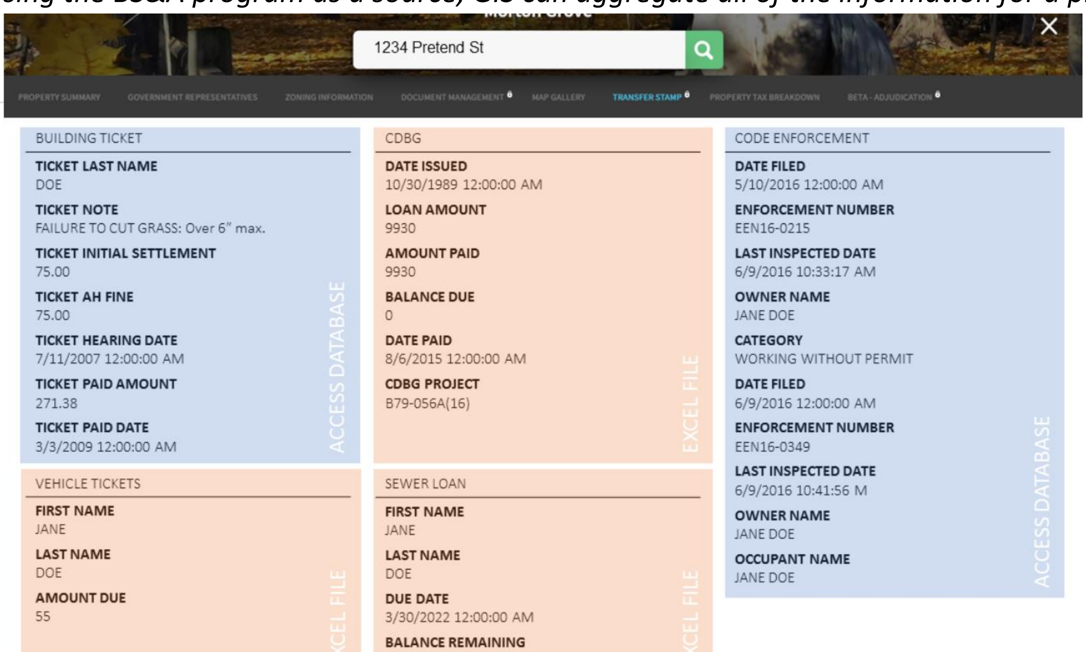
Example 1: Available Properties for Economic Development

GIS uses information layers that can be turned on and off. One layer can be available retail or office locations. This can be added to the Village's economic development webpage.



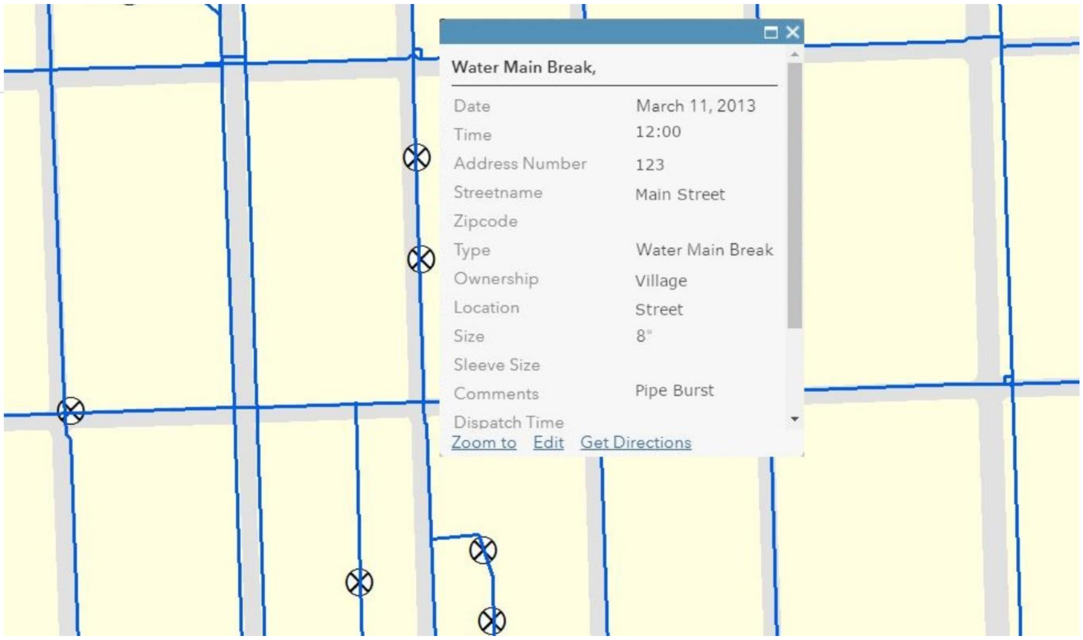
Example 2: Code Enforcement Violations

Using the BS&A program as a source, GIS can aggregate all of the information for a property.



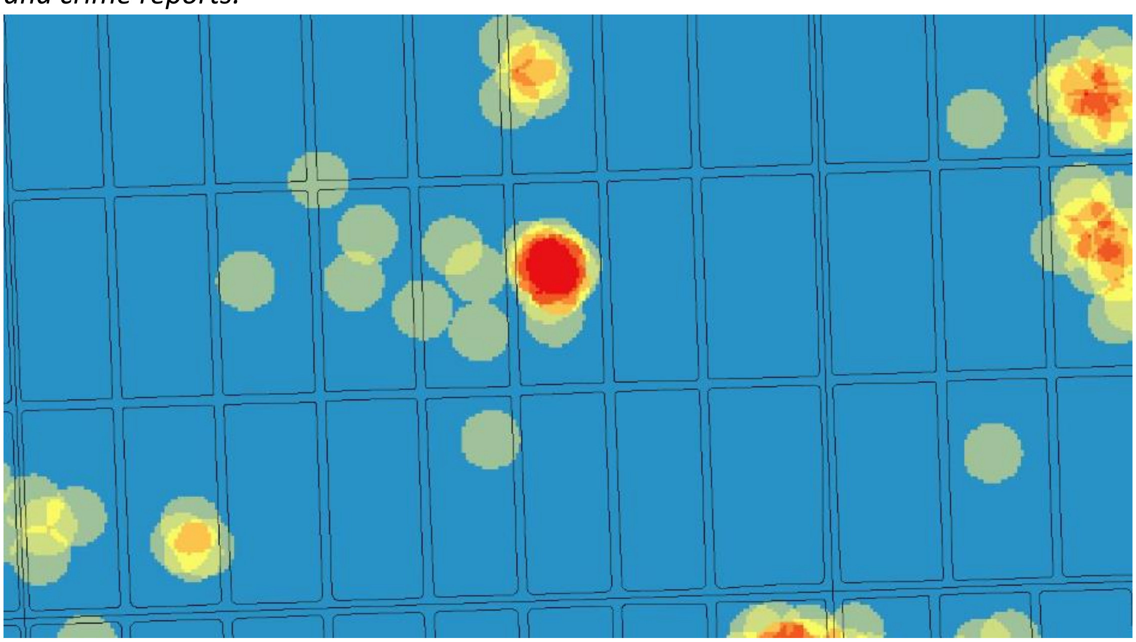
Example 3: Water Main Breaks

Staff will be able to more easily analyze the concentration of water main breaks, identify affected residences and see whether any lead service lines are located in the vicinity.



Example 4: Emergency Incident Mapping

Using GIS, staff will be able to analyze trends in emergency incidents and calls for services. Heat maps, such as the one below, could also be used to analyze flood calls, code enforcement issues and crime reports.



<u>Current Data Management</u>

Currently, the Village's asset data is managed in departments in paper files or Excel spreadsheets. Below is a preliminary list of the data that would instead be managed in the GIS database. The GIS system will interface with BS&A to allow staff to update data regularly.

- Code enforcement violations
- Traffic control (stop signs)
- Parking regulations (4-hour, no parking, etc.)
- Water, sanitary, storm utility atlas
- Fire hydrant maintenance and flow data (annual)
- Water valve maintenance data
- Water main break locations
- Water main improvement program data
- Water meter inventory
- Water shutoff box locations
- Lead water service locations
- Sanitary sewer basement back-up locations
- Sanitary sewer overflow locations
- Sanitary sewer blockages
- Sanitary sewer repairs and maintenance
- IEPA NPDES storm sewer outfall inspection program
- Storm sewer maintenance and repairs
- Storm sewer improvements
- Street and yard flooding locations
- Street pavement management program
- Street pothole and patching locations
- Pavement marking program
- Snow route map
- Sidewalk inventory data
- Sidewalk replacement program
- Concrete repair locations
- Street sign inventory data
- Parkway tree inventory
- Parkway tree trimming and removals program
- Parkway tree planting data
- Ground repair locations
- Resident complaint locations
- CRS resident flood map determinations
- Village address map
- Village zoning map
- Village jurisdiction map
- Village event maps
- Street light inventory
- Contract landscape maintenance program

Attached is a memo from Assistant Fire Chief Damm regarding the use of the tool in the Fire Department and the GIS Consortium's proposal.

Attachments
GIS Consortium Discussion Paper
Memo from Assistant Chief Damm regarding GIS in the Fire Department

Discussion Paper
for the Village of Flossmoor

A collaborative approach to GIS

MGP, Inc. | 701 Lee Street, Suite 1020, Des Plaines, IL 60016

Contents

Current Situation

Flossmoor has been researching their options for GIS for years now and it is now a funding priority. The community has considered going with an engineering firm because of the need to be compliant with the Metropolitan Water Reclamation District (MWRD) requirements, but they also feel that they may be limiting because of an engineering firm's heavy emphasis on Public Works. They would like a GIS that benefits all departments in the community.

Today Flossmoor does have any staff that use Esri licenses to do GIS work but rather rely on experts who can support projects that they need to move forward.

In talking with Allison Matson, John Brunke, and Dan Milovanovic on staff there was a lot of energy and excitement about the efficiency a GIS could create. Things like accessing real-time reports, seeing a full history on a property, and providing higher customer service inspires all of them!

Flossmoor is also part of a consolidated dispatch center known as ECOM which includes Country Club Hills, East Hazel Crest, Glenwood, Hazel Crest, Homewood, Riverdale, South Holland and Thornton.

Desired Outcomes

The Leadership Team in Flossmoor identified the following summary of outcomes for their GIS program.

- *Manage and maintain accurate details about community assets* to support forecasting of improvements to the water and sewer systems, and be compliant with MWRD requirements
- *Ease of access to community data across the village enterprise* to be responsive to questions and inquiries from the public
- *Create GIS as the one stop shop* to discover all the details available on a property
- *Enhance communication with the board and constituents* by using maps to tell the story

Budget

Village of Flossmoor - GIS Budget					
GIS Consortium Allocation Math: 27%. This budget 30% Direct and 30% Shared Allocation					
PROGRAM STAFFING	**2020**	**2021**	**2022**	**2023**	**2024**
Site Analyst	44,937	46,285	47,674	49,104	50,577
Shared Analyst	9,115	9,388	9,670	9,960	10,259
Client Account Manager	5,238	5,395	5,557	5,724	5,895
GIS Manager	3,350	3,451	3,554	3,661	3,770
PROGRAM STAFFING SUB-TOTAL	62,640	64,519	66,455	68,448	70,502
LAYER DEVELOPMENT					
Photogrammetric Mapping					
Rapid conversion					
Other -					
LAYER DEVELOPMENT SUB-TOTAL					
NEW HARDWARE					
GIS Workstation					
GIS Server					
Plotter/printer					
GIS Thin-client	1,500				
Other					
HARDWARE SUB-TOTAL	1,500				
NEW SOFTWARE					
ArcGIS Advanced (ESRI)					
ArcGIS Basic Licenses (ESRI)					
ArcGIS Server (ESRI)					
ArcGIS Online (Future consideration)					
Other -					
SOFTWARE SUB-TOTAL					
RE-OCCURRING EXPENDITURES					
Hardware - GIS Workstation					
Hardware - GIS Server					
Hardware - Plotter/printer					
Software - ArcGIS Advanced (ESRI)					
Software - ArcGIS Standard (ESRI)					
Software - ArcGIS Basic Licenses (ESRI)					
Software - ArcGIS Server (ESRI)					
Software - ArcGIS ArcPad (ESRI)					
Software - ArcGIS Spatial Analyst					
ArcGIS Online Level I (Viewing)	200	200	200	200	200
ArcGIS Online Level II (Editing)		500	500	500	500
GISC Shared Initiatives	1,904	1,961	2,020	2,081	2,143
Other -					
RE-OCCURRING EXPENDITURES SUB-TOTAL	2,104	2,661	2,720	2,781	2,843
OTHER COSTS					
Supplies & Materials	500	500	500	500	500
Furniture & Fixtures	500				
GISC Initiation Fee	6,000				
Other -					
OTHER COSTS SUB-TOTAL	7,000	500	500	500	500
TOTAL PROGRAM BUDGET	73,244	67,680	69,675	71,729	73,845

PROGRAM STAFFING (GISC Staffing model)

This is the staffing component of the budget. These services are provided by MGP, founding partner of the GIS Consortium (GISC). An annual contract is required with MGP for these services.

The GISC Board of Directors on behalf of all members negotiates rates and allocations annually. Rates, allocations, and budgets are updated each year on January 1st for all members regardless of fiscal year.

Your GISC allocation math is 27% based on 3.66 square miles. The GISC allocation model requires community allocations to be a factor of 10% and no less than 20%. This budget is based on a 30% shared allocation and a 30% direct allocation. A Site Analyst will be assigned to your community 3-days every 2-weeks excluding MGP paid time-off, holidays, and enrichment. The shared allocation is your community's portion of the shared resources which include shared-staffing and share-initiatives.

This is a 12-month budget projection and the staffing will be distributed throughout the year. The first-year staffing allocation and budget will be prorated based on the actual start date.

LAYER DEVELOPMENT

MGP staff will facilitate meetings with community departments to determine if 3rd party layer development is needed for your GIS program. We encourage utilization of public and commercial data that are available at little or no cost. We do not anticipate an investment in the 1st year for these items. The community may prioritize layer development projects in future years.

> The Base Mapping program is a collaborative initiative to collect aerial photography and to produce planimetric (building footprints, road surface, curbs features etc.), topography (elevation model, 1-foot contours) and digital orthoimagery (photography) mapping. The map accuracy of these products is 1"=50' with a 1-foot contour.
>
> If MGP determines that utility records systems are insufficient to support data conversion and community staff are not able to implement recommended processes for updating utility data, MGP may recommend that the community retain a 3rd party organization to collect assets in the field.

NEW HARDWARE

Typically, there are two types of hardware required for GIS programs. A workstation for the GIS professional to manage and visualize data and a server for hosting the GIS database. In the GISC model, the workstation is provided by MGP virtually and the server is owned and shared to members by the GIS Consortium.

The community is required to purchase a less expensive dual-monitor thin-client or personal computer. This system accesses a shared GIS Workstation across a secure Internet connection. The Internet connection must meet minimum performance standards for speed, latency, and reliability. MGP will provide a testing application if the community elects to move forward. The RAS workstation is included with the staffing model.

The community may elect to procure tablets for field users. Those procurements are not included in this budget.

NEW SOFTWARE

MGP does not currently recommend any software purchases. The software required for the program, the workstation and the server, and included in the model.

RE-OCCURRING EXPENDITURES

MGP recommends two (2) subscriptions of ArcGIS Online Level I in the first year. In addition, we have included subsequent year recommendations for additional licenses of ArcGIS Online. MGP does not recommend procuring these subscriptions until the GIS data is ready and the designated user has a demonstrated need and time for training.

GISC Shared Initiatives include the hosting servers and applications for web mapping, field collection, Community-Portal, Esri Business Analyst Online, ArcGIS extensions and other items that are shared by the GISC membership.

OTHER EXPENSES

This section contains miscellaneous expenses associated with the GIS program. An allowance has been included for general supplies and materials. An additional allowance has been included in the first year to cover office furnishings if they do not already exist.

The GIS Consortium does not have an annual membership fee other than the GISC Shared Initiatives which is used to pay for shared hardware, software and solutions. There is a one-time membership initiation fee to join the GIS Consortium based on allocation level. This is payable to the GIS Consortium not MGP Inc.

Hardware and Software Procurement Comparison

This is a 5-year analysis that includes the purchase year and 4 years of maintenance.

Program Components	Sole Procurement		GIS Consortium	
	Purchase	Annual Maintenance	Purchase	Annual Maintenance
Membership & Shared Fees			$6,000	$2,104
Onsite Infrastructure				
GIS Workstation (1)	$13,910	$3,000	$1,500	$0
GIS Server (2)	$9,500	$1,250	Included	Included
Systems Administration (3)	$800	$400	Included	Included
Co-Location Infrastructure				
Web GIS Server (4)	$0	$0	Included	Included
Systems Administration (3)	$0	$0	Included	Included
Solutions				
Web mapping application	$32,500	$6,500	Included	Included
Esri Business Analyst	$2,500	$2,500	Included	Included
Esri ArcrGIS 3D Analyst	$2,250	$500	Included	Included
Esri ArcGIS Spatial Analyst	$2,250	$500	Included	Included
Esri ArcGIS Network Analyst	$2,250	$500	Included	Included
	$65,960	$15,150	$7,500	$2,104
5-Year Analysis		$126,560	$15,916	

The 5-year analysis includes the purchase year cost and 4 years of maintenance costs

GIS Workstation (1)

Used by a GIS professional to manage GIS databases, perform analysis, and connect to department information to support decision-making. Includes a graphic-design workstation class desktop computer, Esri ArcGIS Advanced Desktop, and typical productivity software.

GIS Server (2)

Used by community staff (inside the local network) to access GIS data and workflows using a browser mapping application (see Solutions - Web mapping application). Includes a server-grade computer, Esri ArcGIS Server Standard Workgroup, and typical web portal add-ons.

Systems Administration (3)

All systems require some level of support for outages, upgrades, and general maintenance. This item includes hours of annual effort at a labor-rate of $100/hour.

Web GIS Server (4)

With the advent of ArcGIS Online the co-location may not be needed. You may want it if you decide to serve custom maps to the public, but this calculation we left it out.

Program Start Up

What MGP has learned over the years we have been in business is that gaining client perspective, creating alignment, and establishing commitment is critical to for our client programs to be healthy and successful. Whether a community is eager or hesitant to implement GIS it is a significant change that we need to navigate in partnership.

For the first 90 days of onboarding MGP will allocation extra resources to your community to accelerate the build out of your data. Your program will benefit during this timeframe to the degree that we can partner during this time.

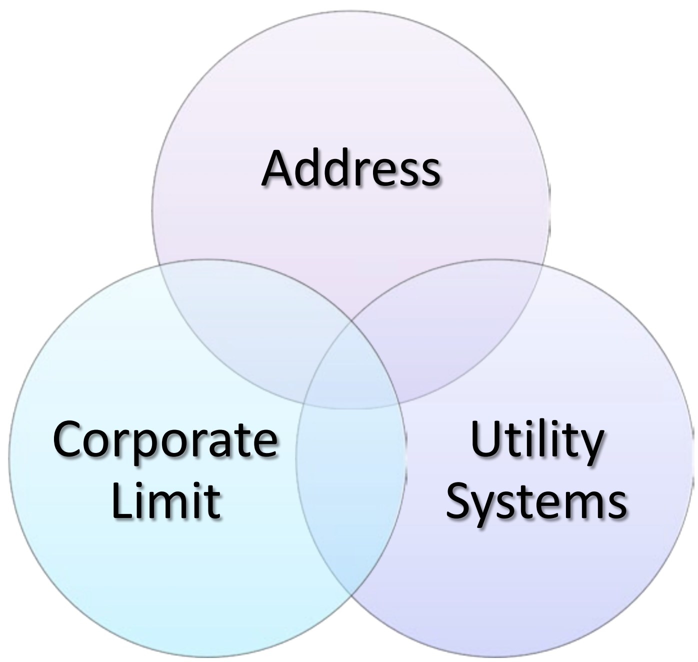
Building a Foundation of Quality Data

Data is one of your most valuable assets and to build and maintain the highest quality data possible we need to work in partnership with your staff. We establish this partnership by formalizing stakeholder teams for each of your critical datasets, which include:

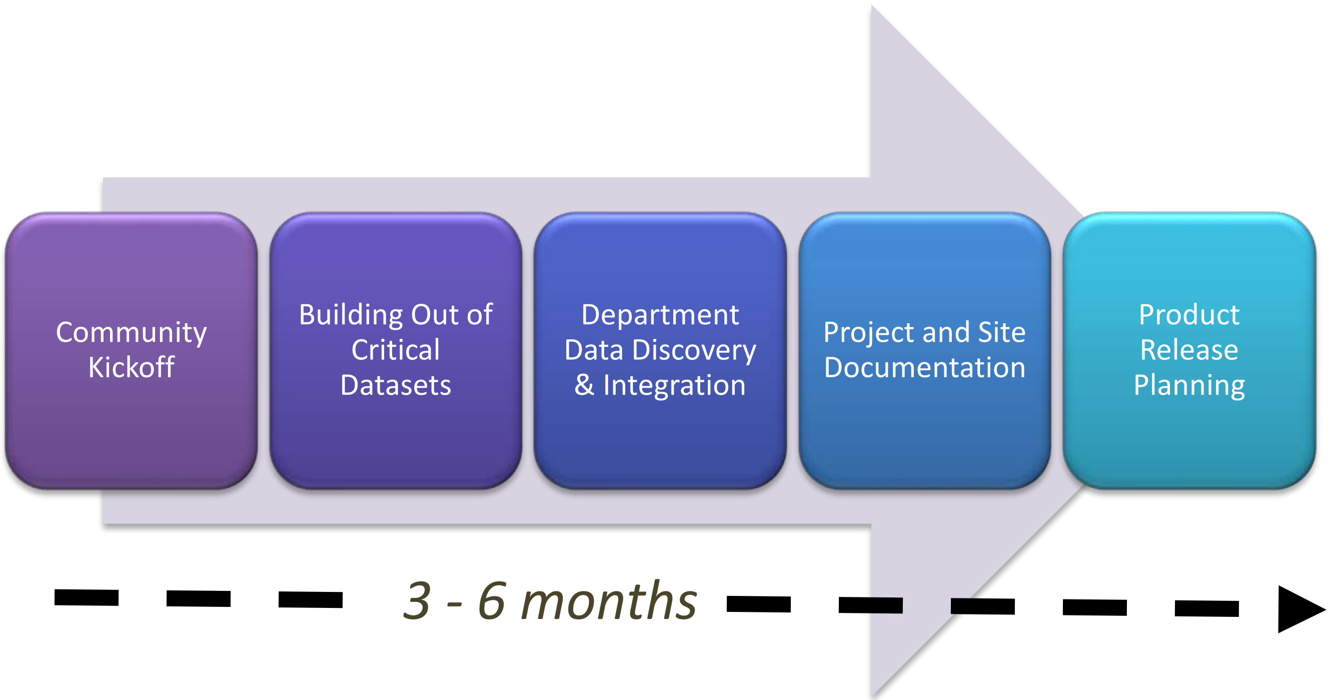
- Corporate Limit
- Address
- Water
- Sewer

We work closely with the individuals on these teams to acquire and clean up data when we start the program. Over time stakeholder teams will document processes for submitting changes or adding new data to the system so that quality data is created and sustained over time.

The better we take care of the quality of the data, the more you'll be able to do with it.



Program Implementation Overview



MEMORANDUM

FLOSSMOOR

TO: John Brunke, Public Works Director
C: Allison Mattson, Assistant Village Manager
FROM: Keith A. Damm, Assistant Fire Chief
DATE: March 5, 2020
SUBJECT: Benefits of GIS for the Fire Department

There are many benefits for the Fire Department in using Geographic Information Systems (GIS). Some of the more obvious benefits include up-to-date coverage of our community, including street addresses, fire hydrant locations, water mains and valve locations as well as electric and gas main locations. But utilizing a GIS system can also help us better identify the building profiles in the village (our downtown area, residential neighborhoods and commercial businesses) and identify the types of fire apparatus necessary to fight fires in these different types of structures as well as the best locations for apparatus placement.

GIS can also be used in our Strategic Planning by providing a visual display of our target hazards, including schools, churches, healthcare facilities and nursing homes while providing hydrant flow rates or areas with alternative water-supply sources.

The Insurance Services Organization (ISO) uses advanced analytic techniques based on GIS technology to enhance its Public Protection Classification (PPC) evaluation. The software creates an optimal fire apparatus response polygon for each recognized fire station in a fire district compared with the actual distribution. Then, water-supply points are charted and recorded within each polygon, which ISO calculates and analyzes to determine the appropriate number of points that should be credited to the community for its fire defense evaluation. We should be able to use GIS technology to create similar analyses to more accurately determine where hazards and vulnerabilities exist so we can improve our strategic response planning in the event of a structure fire.

In addition, we should be able to use GIS mapping for both call location and types to help us pinpoint where we are seeing trends in certain types of fire and/or EMS calls to better allocate our resources or provide additional community public education.

These are some of the thoughts that I have regarding the use of GIS at the Fire Department. While I realize that GIS will primarily be a Public Works tool, we will also benefit from its use in the Village.

If you have any questions or concerns, please feel free to contact me.

TO: Mayor Braun and Board of Trustees
FROM: Bridget Wachtel, Village Manager
DATE: April 6, 2020
SUBJECT: FY 21 Finance and Facilities Plan

FLOSSMOOR

The Public Works Department has prepared the attached Capital Program for Infrastructure Rehabilitation, Maintenance and Improvements over the next three years. This document provides an excellent history of the capital infrastructure projects that have been completed for well over the last twenty years. Within this document, the plan reflects the completion of projects during the current fiscal year and suggests a prioritization of our capital work for the next three years. The Capital Plan continues to uphold the Village Board's "save then spend" philosophy toward capital projects; through the use of fund balance, we will be able to set aside available funds to finance these projects with cash as opposed to utilizing debt and other more expensive financing mechanisms. At the April 6 Village Board meeting, we will review the Fiscal Year 2021 through Fiscal Year 2023 projects.

At the conclusion of the Capital Plan is a listing of future Finance and Facilities Program projects that are needed. This summary of the report is divided into three categories: set-asides in the Finance and Facilities Plan and projects included in the Capital Program (immediate needs within the next three years), intermediate needs that have been identified in the Capital Plan but not yet financed through the Finance and Facilities Plan (intermediate needs just outside of the next three years, of which there are none this year), and future projects (long-term projects not included in either document). This summary is beneficial in planning for our future.

Also included is a report prepared by Finance Director Scott Bordui outlining various financing mechanisms, outside of our savings, to support our capital improvements. He also has provided spreadsheets depicting the work completed in Fiscal Year 2020 and the recommended funding and set asides based on the Capital Program. Scott has also redistributed a memo he prepared on the various options to finance the Water Meter Replacement Project. Scott will be available to answer questions regarding other financing mechanisms should the Board be interested in pursuing financing other than savings. As you consider financing mechanisms, keep in mind that the use of cash is always less expensive than debt, and when debt is used, a repayment source must be identified.

Street Pavement Rehabilitation Program

Over two years ago, the Village Board received a comprehensive report on all Village streets (private and public) using the PASER rating system. Since that time, Public Works has maintained and updated that rating system with the annual maintenance work completed over the last two summers. There remains approximately $17 million, or 34.6 miles of roadways to rehabilitate to reach the goal of roads rated 8 or better. Attached is a report from John Brunke outlining the breakdown of a G.O. bond program to accomplish this work over the course of three years. On page 8 of Scott's report on the financing alternatives, the reader will find that the Village's legal debt limit is $20.2 million, of which $12.5 million is available.

Staff suggests that the Board consider a G.O. bond referendum for the Street Pavement Rehabilitation Program at the November 2020 (Presidential) election, which the Board has supported. A referendum at that time will permit sufficient time to bid the project over the winter months to optimize our bids, close on the bonds and be ready for construction in the summer of 2021.

The magic question continues to be "how much?" John has outlined three options; while we wish to fulfill all the needs, the reality is that we have some other infrastructure needs that must also be balanced with how much debt the Board is willing to assume combined with other expenses affecting customers. Attached to John's report is a map depicting the street PASER ratings.

The Board needs to also be mindful of the maintenance component of this discussion. We know that it really takes approximately $500,000 a year to maintain an adequate resurfacing maintenance program; prior to the pandemic, the Village was budgeting nearly $400,000 in MFT revenue inclusive of the legislative rate adjustment and another $30,000 in local MFT revenue. Given the pandemic and the economic impacts, those budgets will need to be revisited.

The Board has until August to file a referendum question with the County and be included on the November ballot. We plan to bring this discussion back to the Board in late spring or early summer, hopefully when we can all meet in person.

Water

In addition to continued investment in the water distribution system that is needed, the Village needs to give consideration to the Village's water supply starting in 2022. Analysis is underway, but any pursuit of a new water supply would require capital financing and could likely include the Sterling Avenue water tower project at the same time. Financing for these projects is most likely Alternate Revenue Bonds, G.O. Bonds or Revenue Bonds. An Alternate Revenue Bond could be repaid through the water bill. A G.O. bond will be paid through property taxes. The cost of a new supplier is still undetermined but should be estimated by this summer.

In addition to basic water and sewer rates and the stormwater fee affecting the water bill, there are currently two IEPA low interest loans for the sanitary sewer rehabilitation program impacting the bill, too. In total those loan re-payments are funded in part by a $27.00 surcharge per quarter. The Phase I surcharge fell off this fiscal year; however, staff has been in the midst of the Phase IV application for years now. Moving forward with the Phase IV sanitary sewer rehabilitation work in Flossmoor Hills and Highlands is sorely needed and ideally should be completed prior to the any street rehabilitation work. If the project moves forward steadily, the Village could be at bid a year from now. In short, the Phase IV surcharge could potentially replace the Phase I surcharge (FY 20) and Phase II surcharge (FY21) on the water bill. Under the original Phase IV application, a $3 surcharge increase is proposed.

The positive financial trajectory of the Water and Sewer Fund is anticipated to help these decisions. With a trend in operating surplus, a portion of the fund balance may be set aside for capital needs. Further, prior to the pandemic, we anticipated that we will be able to recoup the General Fund financial outlay for the meter project over time with a repayment through the transfer calculation each year. That said, that decision could be impacted by what happens with Harvey or alternate supply water rates

Next Steps

While the projects listed in the attached Capital Program are important and need to be accomplished, next steps in any decision making process need to first be focused on the water supply question. If a change in supplier is made that requires financing, defining these costs with a timeline and a related financing plan should be made first so as to determine how much in G.O. bonds the Village can or is willing to assume.

Capital project planning remains an important component of our budget. Utilizing the “save then spend” philosophy has allowed us to absorb these capital projects without much of an impact on our operational budget. Part of the Village’s financial success is rooted in the systematic capital improvement planning that we undertake to insure that capital investment in our community remains strong. The pursuit of grant funding and other financing mechanisms is an important consideration in maintaining our Capital Program schedule.

We look forward to receiving the Board’s input on this plan at the April 6 meeting. The Capital Program and the Finance and Facilities Plan will then be adopted into the Fiscal Year 2021 Budget which will be approved at the April 20 meeting.

Library Budget

Attached is a copy of the Library’s budget which has been approved by the Library Board. The Library’s budget will appear in the final draft and published budget document.

Attachments:
Capital Program
Finance and Facilities Plan memo from Scott Bordui
Library Budget

Village of Flossmoor

CAPITAL PROGRAM

for

Infrastructure Rehabilitation, Maintenance, and Improvements

For the past 29 years, the Village has implemented an ongoing capital program referred to as the Finance and Facilities Plan. The Plan has been developed as a continuing effort by the Village to identify important infrastructure needs, and to plan for meaningful maintenance and rehabilitation several years in advance. By proactively planning and identifying capital projects for the future, the Village developed a financial savings plan that covers the costs associated with major projects, while still maintaining day-to-day Village services at a level desired by the community. By laying out the long-range capital goals of the Village, the following challenges and improvements were accomplished:

Street Resurfacing Program

A street maintenance program had been developed to keep Village streets in "good to excellent" condition at all times using primarily funding from Motor Fuel Taxes (MFT). The program ensures that each year repairs and resurfacing are completed on approximately one mile of the Village's 40+ miles of streets at an annual cost of approximately $300,000. The plan was originally created so that every street in Flossmoor is resurfaced on a 15 year rotation. Over the last several years, the MFT Fund had become financially stressed and rehabilitation costs have increased. The situation has improved with the increase in MFT by the State. The Village's investment in the annual Street Resurfacing Program continues to not provide the same value as even a few years ago, resulting in approximately one mile of the streets resurfaced each year compared to the 2.5 miles of streets resurfaced per year when the program was designed. For FY 2021, MFT fund balances have dropped to a point where it can only support $300,000 for the program, and the General Fund will provide $30,000 towards the program. Identifying funding and developing a viable street resurfacing program is needed.

Street Pavement Rehabilitation Program

In Fiscal Year 2017, Public Works staff retained a consultant to complete a Pavement Management Report of all streets in the Village. This report assigned a grade to each street and also recommendations for rehabilitation and estimates of cost to complete. The total cost of repair/rehabilitation in 2017 dollars for all Village owned streets is $20,057,360. The street rehabilitation work is divided into three main strategies; crack sealing and patching, mill and resurface, full depth pavement reconstruction, curb and gutter repairs, and sidewalk and ADA repairs. The report will be the outline for the street maintenance program moving forward.

Staff is currently developing a major pavement rehabilitation program that can be supported by a bond issue. While the scope of the project is still being developed, it is estimated the project could span three years at an approximate cost of $11M. Staff anticipates that this project could begin as early as 2021.

Sidewalk Replacement Program

The first phase of the Village's sidewalk replacement program was completed in Fiscal Year 2008. The program included the removal and replacement of approximately 750 defective sidewalk squares in the Old Flossmoor and Flossmoor Park neighborhoods. Due to the age of the community and an anticipated high number of sidewalk squares throughout the remainder of the Village warranting replacement, the program was initially designed to be implemented over a five year period, but has taken longer to complete a cycle of the Village based on shrinking funding levels. Similar to streets, the Village Board allocated $100,000 from the General Fund fund balance for the FY 2021 sidewalk replacement program.

- Fiscal Year 2009 – Replaced 600 defective squares in Pinewood subdivision and Flossmoor Hills
- Fiscal Year 2010 – Replaced 600 defective squares in Flossmoor Hills and Highlands
- Fiscal Year 2012 – Replaced 175 defective squares in the Heather Hill Neighborhood
- Fiscal Year 2013 – Replaced 220 defective squares in the Heather Hill Neighborhood
- Fiscal Year 2014 – Replaced 242 defective squares in the Heather Hill Neighborhood
- Fiscal Year 2015 – Replaced 446 defective squares in the Heather Hill Neighborhood and other various locations in the Village
- Fiscal Year 2016 – Replaced 467 defective squares in the Heather Hill Neighborhood
- Fiscal Year 2017 – Replaced 376 defective squares in the Heather Hill Neighborhood and on Flossmoor Road
- Fiscal Year 2018 – Replaced 397 defective squares in the Heather Hill, Old Flossmoor, and Flossmoor Park Neighborhoods.
- Fiscal Year 2019 – Replaced 537 defective squares in the Dartmouth neighborhood, on Avers Ave., and in the CBD island area.
- Fiscal Year 2020 – Replaced 506 defective squares in the Heather Hill, Old Flossmoor, Flossmoor Park, Flossmoor Hills, Southeast Flossmoor, and Chestnut Hills Neighborhoods.

The sidewalk replacement program will increase with the implementation of the Street Pavement Rehabilitation Program because sidewalk within the street program will be replaced as part of that overall project.

Parkway Trees

Due to the importance of parkway trees in terms of aesthetics and impact on property values, the Village initiated a progressive parkway tree program in 1991. The program has resulted in the following:

1. A computer-based inventory of each and every tree on public property in Flossmoor. The inventory also maintains information on the location, species, size, health, appearance, and value of each tree.
2. A Village-subsidized planting program encourages residents to plant new parkway trees. Since 1991, approximately 2,140 new trees have been planted on Village parkways and public properties.
3. A rotational trimming program has been in place to ensure that each parkway tree is trimmed every five years.

In 2007, the Village dedicated additional financial resources to tree trimming throughout the Village. The additional funding toward an enhanced tree trimming program enables the Village to restore this program to a nearly five year cycle for all parkway trees. Over the past nine years, the annual rotational Parkway Tree Trimming Program was completed in the following neighborhoods:

- Fiscal Year 2008 – Southeast Flossmoor and the Braeburn/Brassie Neighborhood
- Fiscal Year 2009 – South Section of the Heather Hill Neighborhood
- Fiscal Year 2010 – North Section of the Heather Hill Neighborhood and the East Section of the Flossmoor Hills Neighborhood
- Fiscal Year 2011 - West Section of the Flossmoor Hills Neighborhood, the Flossmoor Highlands Neighborhood and the Pinewood Neighborhood
- Fiscal Year 2012 – Old Flossmoor Neighborhood
- Fiscal Year 2013 – Flossmoor Park Neighborhood and Southeast Flossmoor
- Fiscal Year 2014 – Southeast Flossmoor and the Braeburn/Brassie Neighborhood
- Fiscal Year 2015 – North Section of the Heather Hill Neighborhood
- Fiscal Year 2016 – South Section of the Heather Hill Neighborhood
- Fiscal Year 2017 – Flossmoor Hills and Highlands Neighborhoods
- Fiscal Year 2018 – Old Flossmoor and Ballantrae Neighborhoods
- Fiscal Year 2019 – Flossmoor Park Neighborhood
- Fiscal Year 2020 – Southeast Flossmoor and Ballantrae Neighborhoods

Emerald Ash Borer

In Fiscal Year 2010, the Emerald Ash Borer was officially identified in the Village of Flossmoor. Confirmation was made by our certified arborist from Natural Path Forestry who was updating the Village's Parkway Tree Inventory. Between Fiscal Year 2010 and Fiscal Year 2014 1,350 ash trees were removed.

As of January 1, 2019 our parkway tree inventory consists of five large ash trees, which are in good condition and being treated by residents.

Water System Improvement Program

In November 2012, Flossmoor residents voted in favor of a general obligation bond referendum in the amount of $7.28 million dollars for the replacement of approximately 6 miles of water main throughout the Village over an eight year period. The Phase 1A, Phase 1B, Phase 2A, Phase 2B, and Phase 2C Projects of the Water System Improvement Program are completed. A brief description of each project is provided below.

Phase 1A (CY 2013) Completed the replacement of water main and services on Bob O'Link Road, Golfview Lane, Robertson Lane, Mast Court, Bunker Avenue, Brassie Avenue, First Private and Second Private Roads. The project included installation of 8,931 linear feet (1.7 miles) of new water main, 135 new water services, 27 new fire hydrants, and 26 new operating valves.

Phase 1B (CY 2014) Completed the replacement of water main and services on Gardner Road, Vollmer Road and Princeton Road. The project included the installation of 7,574 lineal feet (1.4 miles) of new water main, 53 new water services, 29 new fire hydrants, and 24 new operating valves.

Phase 2A (CY 2015) Completed the replacement of water main and services on Hutchison Road (Western Avenue to Marston Lane), Collett Lane (Hutchison Road to Latimer Lane), the Heather Hill North Neighborhood, and the block surrounded by Carroll Parkway, Evans Road, Travers Lane, and Flossmoor Road. The project included the installation of 5,911 lineal feet (1.1 miles) of new water main, 111 new water services, 23 new fire hydrants, and 23 new operating valves.

Phase 2B (CY 2016) Completed the replacement of water main and services on Travers Lane (Collett Lane to Vardon Lane), Latimer Lane (Collett Lane to Cummings Lane), Marston Lane (Travers Lane to Latimer Lane), Cummings Lane (Travers Lane to Latimer Lane), and Vardon Lane (Hutchison Road to Travers Lane). Also included in this project was the water main replacement for Tina Lane (Dixie Highway to End), Thomas Court (Tina Lane to End), Markey Lane (Dixie Highway to Tina Lane), and Pinehurst Lane (Dixie Highway to Tina Lane). The project included the installation of 8,554 lineal feet (1.6 miles) of new water main, 166 water services, 26 new fire hydrants, and 26 new operating valves.

Phase 2C (CY 2017) Completed the replacement of water main and services on Dundee Ave., Perth Ave. (Heather Rd. to Brumley Rd.), Sterling Ave. (Heather Rd. to Brumley Rd.), Berry Ln. (Flossmoor Rd. to Sunset Ave.), and Cambridge Ave. (1350 Cambridge Ave. to the Dartmouth bike path). The project included installing 3,414 linear feet (0.65 miles) of new water main, 45 new water services, 11 new fire hydrants, and 14 new operating valves.

The Phase 2C Project was the last project in the 2014 Water Main Improvement Fund, and the final planned project in the Water System Improvement Program. This program resulted in a total of 6.5 miles of new water main, 510 new water services, 116 new fire hydrants, and 113 new operating valves. Funding for additional water main improvements will need to be identified, but this work represented the worst 10% of the system.

<u>Sanitary Sewer System</u>

Prior to 1996, the Village began initial planning for extensive sanitary sewer improvements. This included project engineering and coordination with the Illinois Environmental Protection Agency (IEPA) on loan application procedures for funding the necessary improvements. As a result of these efforts, the following projects were completed:

Phase I (CY 1999) A $1.9 million project to rehabilitate the 80-year-old sanitary sewers in Flossmoor Park and Old Flossmoor neighborhoods.

Phase II (CY 2001) A $1.7 million project to rehabilitate the sanitary sewers in the Braeburn/Brassie neighborhood.

Phase III (CY 2003) A $2.2 million project to rehabilitate the sanitary sewers and lift stations in the southeast section of the Village.

Phase IV (CY 2009) Completed a majority of the design engineering and loan application for the rehabilitation of the sanitary sewer system in the Flossmoor Hills and Highland neighborhoods. The engineering plans and loan application were submitted to IEPA for funding through their low interest loan program. The Village still remains in line for funding through the IEPA, and the Village expects to complete more work on our loan application and supporting documents in Fiscal Year 2021.

Funding for three of the four projects was secured by low-interest loans obtained through the IEPA. Repayment of the loans is pledged with funds derived from an existing Sanitary Sewer Rehabilitation surcharge that residents pay along with their water and sewer bill each quarter.

In Fiscal Year 2017, the Village approved a design-build project for the reconstruction/rehabilitation of the Woods Lift Station, located behind the Flossmoor Country Club. This project involved the conversion of the station from a dry pump well configuration to a wet-well station. Also included was the installation of a natural gas powered emergency back-up generator to power the station during storm events.

In Fiscal Year 2018, Public Works contracted with a vendor to install a new SCADA system for the Village's six wastewater lift stations at a cost of $56,630. The old system utilized phone circuits to relay alarms to the Public Works Department via ECOM. The new system utilizes cellular based cloud technology to relay alarms to the Department via text messages. The system is web-based and allows staff to monitor the station remotely on their cell phones and computers. This improvement paid for itself in less than two years because of the savings related to the disconnected phone circuits.

In Fiscal Year 2021, Public Works will be working on a large scale emergency back-up generator project for several facilities, including the Butterfield Lift Station. This is the Village's largest wastewater lift station, which frequently experiences power outages.

<u>Contract Sanitary Sewer Cleaning Program</u>

The Village is now in its 13th year of implementing its annual rotational contract sewer cleaning program. Components of the program include regular cleaning and maintenance for all sanitary sewers throughout the Village. Scheduling of this program ensures that all sanitary sewer mains are cleaned every five years. The success of these programs is readily apparent in the reduced incidences of sewer failure, sewer blockages, and flooded basements. As part of this program, in Fiscal Year 2008, a televising program was implemented along with the annual cleaning. A televising program provides Pubic Works the ability to proactively identify maintenance and repair needs before they become major reconstruction issues.

The last section of rotational cleaning occurred in Fiscal Year 2017 in the Phase 4 Sanitary Sewer Rehabilitation project area, and has been on hold since then due to funding limitations. Staff plans on continuing with this rotational program in Fiscal Year 2022, following the completion of the sewer system assessment work that will be completed in the Phase 4 Sanitary Sewer Rehabilitation project area in Fiscal Year 2021.

Storm Sewer Drainage System

In 2000, the Village received approximately $115,000 through state grants for the completion of a storm sewer cleaning and rehabilitation study for Flossmoor Park and Old Flossmoor neighborhoods. The study identified that $1.2 million in rehabilitation work was necessary to restore the storm system back to original design capacity. After reviewing and discussing the report, the Village completed final engineering and approved an $836,000 contract to rehabilitate the storm sewer systems in both sections of the Village. The rehabilitation work was completed during the spring and summer months of 2002.

Also in 2000, the Mayor and Board approved funding for an engineering study to analyze the drainage conditions in the Oak Court area of Flossmoor Hills. Following periodic rain events, residents experienced significant flooding as a result of the Village's existing storm sewers' inability to convey proper flow. After reviewing the various alternatives, the Village determined that a larger bypass pipe extending from Flossmoor Road to a pond located on Coyote Run Golf Course was the best option. The design and construction was completed concurrently with the H-F Park District golf course renovation. The contract for construction of the storm sewer improvement was awarded in 2003. Pipe installation, final landscaping and paving were completed in 2005.

In 2005, the Mayor and Board reviewed an engineering study and cost estimates for a potential federally-assisted storm sewer project to reduce flooding in the central business district viaduct. It included the installation of a large diameter sewer pipe that would extend from the Canadian National viaduct to Butterfield Creek at Dixie Highway. The estimated cost of the project was $2.7 million. After all options were considered, it was determined that the cost-benefit ratio did not justify moving forward with this project at that time.

During 2006, the Village examined additional solutions for resolving the Flossmoor Road viaduct flooding. One option included upstream improvements to divert water away from the viaduct. After further investigation into the components associated with implementing this option, the Village determined that the costs were not justifiable at that particular time. This past Fiscal Year, after several large storm events over the last couple of years, staff desires another review of these improvements, including extending the scope of study west to Leavitt Park and the tie-in to the Leavitt detention. Staff will pursue funding for this project through MWRD as well as including it on a "wish list" for capital funding.

In Fiscal Year 2010, Phase II of the Village's Storm Sewer Rehabilitation Program was completed in the Estates neighborhood. The project included a combination of spot repairs, total segment replacement, and cured in place relining to restore the function and integrity of our aging system at a cost of over $1,000,000. This capital improvement has been vital to the performance of the Village's overall storm sewer system as this section of the Village has many of the larger diameter pipes that carry the Village's entire storm water to Butterfield Creek.

In Fiscal Year 2012, the Village established a Storm Sewer Fee and Storm Sewer utility fund. The fee covers the operational costs associated with storm management services as well as accounts for savings toward storm sewer capital improvements. When the fund was established, the Board directed staff to establish a Finance and Facilities plan similar to the other major funds once fund balance became available to set aside toward capital improvements. As a result of a small projected fund balance for Fiscal Year 2012, 75% of the Butterfield Lane Culvert Replacement project was paid for with storm sewer utility fee monies. Also, beginning in Fiscal Year 2016, 75% of the engineering design costs for the Brookwood Bridge and Butterfield Road Culvert were allocated to the Storm Sewer Fund.

There are areas in the Village were flooding is a concern and storm sewer improvements should be considered. One such area is on Hagen Lane. The Village contracted with our consultant for a study in 2018 to investigate the causes of the flooding and what improvements were recommended to address the issue. Another such area is the rear yards of Douglas Avenue between the Parker Junior High School and Douglas Avenue. The studies for both of these areas were completed in Fiscal Year 2020. Staff has worked with our consultants to submit these projects to the MWRD for funding consideration in their Phase 2 Stormwater Program.

Another area of flooding concern in the Village is the Flossmoor Road viaduct under the Metra/CN Railroad. During heavy rainfall events, the viaduct floods and cuts off vehicular access between the west and east sides of the Village. The flooding also inundates the adjacent downtown businesses This is a very serious issue because emergency vehicles cannot access the east side of town in a timely response time. Staff worked with our consultant in Fiscal Year 2020 to submit an application to the FEMA Hazard Mitigation Grant Program for funding for the engineering and construction of improvements to solve the flooding issue that exists.

Municipal Facilities

The age of the municipal complex requires significant facility maintenance and improvements on an annual basis. The following municipal facilities' projects have been implemented:

- Replaced four rooftop air handlers and various undersized and deteriorated ductwork.
- Ventilated the exterior soffits of the Village Hall and sealed the perimeter of the building to eliminate infiltration of unconditioned outside air into the building.
- Conditioned the air in the space between the ceiling tiles and the roof pan.
- Replaced the twenty-year-old roof on the Public Works Service Center.
- Replaced all ceiling tiles and various sections of the ceiling tile suspension system. The cost of the replacement was $92,000, and the project was completed in Fiscal Year 2006. A portion of the project was paid for with grant funding from the Illinois Department of Commerce and Economic Opportunity.
- Improvements were made to both Public Works and Fire Department bay floors. The Public Works Department's portion of the contract was for preventative maintenance purposes. The work conducted ensures that the integrity of the floor remains intact for at least the next 10 years. The Fire Department's portion of the contract included a complete restoration of their entire bay floor area. Both projects were completed in Fiscal Year 2008.

- The furnaces in the Fire Department apparatus bay were replaced with a new infrared heating system designed for greater efficiency. The project was completed in Fiscal Year 2008.
- Through a FEMA assistance grant, a new vehicle exhaust capture system was installed on the Fire Department apparatus bay floor. The system contributes to the overall health of the Department's personnel throughout the building. The project was completed in Fiscal Year 2008.
- In Fiscal Year 2009, a centralized computer network server room was constructed in the Village Hall. The project included several facility improvements such as a separate air conditioner, humidity control unit and new flooring. The purpose of the room is to extend the overall life of the server equipment by storing it in a properly controlled environment.
- Also in Fiscal Year 2009, through the Illinois Clean Energy Foundation, the Village received a grant through the Public Safety Lighting Upgrade Program. With the grant money received, the Village converted all florescent fixtures, ballasts and exit lighting in the Village Hall to a more energy efficient system.
- In Fiscal Year 2010, thirty year old exhaust fans were replaced in the Fire Department apparatus room.
- In Fiscal Year 2011, the Village received an Energy Efficiency Block Grant from Cook County in the amount of $100,000 for the replacement of the Village Hall boiler. This replacement is the first replacement of the boiler since the building was constructed in 1979.
- In Fiscal Year 2015, the Village completed another HVAC system replacement at the Village Hall Complex. The project also included renovations to the Police Department Firing Gun Range, which will enhance the ventilation and cooling system in the shooting area. Other improvements included duct work insulation, new electronic thermostats, VAV upgrades, and a new computer controlled automation system.
- In Fiscal Year 2017, the Village completed the HVAC system replacement at the Public Works Service Center. Other improvements included new electronic thermostats and improvements to the outside air economizer which is an energy savings improvement. The roof at the Public Works Service Center was also replaced.
- In Fiscal Year 2021, the generator at the Municipal Complex will be replaced with a more robost generator that will service the entire facility in a power outage allowing full municipal operations to continue in such circumstances. This improvement will be completed with three other generator projects in Fiscal Year 2021.
- In Fiscal Year 2021, the roof at the Municipal Complex will be replaced at an estimated cost of $600,000. The existing roof is in poor condition and should be replaced in the next year.

Given the age of the Village Hall Municipal Complex (40 years old) along with the increased use of technology in operations and onerous records retention requirements, the Village Hall Municipal Complex needs attention. Those needs range from common area aesthetics and landscaping up to and including the provision of technology, storage and office space. In Fiscal Year 2016, Staff contracted with an architect to conduct an Assessment Study of the Village Hall complex. This study will be used to better plan for future capital projects and needs in the complex. The study presented improvement projects that can be completed in a phased approach. In Fiscal Year 2020, Staff worked with an architect on the planning for the Phase 1 improvements. These improvements include front desk security measures at the Administration/Finance and Building Departments, and remodeling of the Complex's bathrooms and locker rooms. The project was bid in Fiscal Year 2020 and bids were rejected due to them coming in well over the project budget. Staff is will be working with our Architect to rescope the project and rebid in Fiscal Year 2021.

Municipal Parking Lots

As part of the fiscal year 2019 budget preparation, Staff developed a schedule for the resurfacing and maintenance of the municipal parking lots. Below is a summary of the lots, schedule and cost.

Merchant Parking Lot Resurfacing (FY21) -	$35,000
South Commuter Lot Resurfacing (FY22) -	$125,000
North Commuter Lot Resurfacing (FY24) -	$55,000
Central Drive Lot Resurfacing (FY27) -	$40,000
Library Lot Resurfacing (FY34) -	$60,000

Water Meter Replacement

Stemming from a recommendation in the 2004 Water System Study, the Village implemented Phase I of the Water Meter Replacement Program in Fiscal Year 2008. This program installed 250 residential water meters and outside touch pad reading devices for accounts within Billing Cycle #2. The upgraded meter equipment provides a means to more effectively account for the Village's water usage, and provides the ability to read the meters more efficiently. Following the Phase I program, a more aggressive meter replacement schedule was implemented. Throughout Fiscal Year 2009, approximately 1,000 meters in the Village were replaced and upgraded. Also, in Fiscal Year 2010 an additional 500 meters were replaced and upgraded to the electric touch pad technology.

During Fiscal Year 2014, the Village replaced 9 large meters at its largest water user accounts. In Fiscal Year 2015, the Village replaced 7 large meters. In Fiscal Year 2016, the Village replaced the remaining large meters. To date, 88 large meters (1.5" to 6") have been upgraded to the newer style Sensus Omni meter and an additional 15 large meters will be replaced by fiscal year end in Fiscal Year 2019. The larger meters are true performers in capturing lower water usages and have advanced tracking for daily and monthly usage at each location through a laptop computer.

In Fiscal Year 2017, Public Works Staff solicited a Request for Qualifications from Energy Services Performance Contract contractors for the replacement of the small meter inventory to an automated meter infrastructure system. This project will update the small meter inventory (5/8" to 1") to the newer style Sensus iPERL water meter with radio read technology. Staff anticipates that this project will result in a reduction in water loss due to poor metering accuracy and efficiency improvements in meter reading.

As part of the development of the Performance Contract Agreement, the vendor completed a performance analysis of approximately 103 meters in town. The analysis resulted in a guaranteed performance improvement of 3% from the Performance Contracting vendor, Johnson Controls. Staff anticipates that the actual improvement will be greater. The project is still being developed and staff anticipates that it will proceed in Fiscal Year 2021, following the implementation of the financial software project.

Grant Funding

As appropriate, the Village pursues available federal, state, and other grant funds to assist with the financing of these large capital projects. Current projects for which the Village has requested grant funds through other governmental agencies include:

- Brookwood Bridge and Butterfield Road Reconstruction (DCEO, IDOT)
- Phase IV Sanitary Sewer Rehabilitation Construction (IEPA)
- Central Business District Roadway, Pedestrian and Streetscape Improvements (Cook County, IDOT)
- Local Road Safety Plan (CMAP)
- Flossmoor Road Viaduct Drainage Improvements (FEMA, ACOE)
- Hagen Lane and Douglas Avenue Drainage Improvements (MWRD)

With the passage of the American Reinvestment and Recovery Act (ARRA), several of the projects listed in the Village's Capital Plan were expedited. The following projects were all supported with stimulus and other State of Illinois funding.

- Water System Automation
- Crawford Avenue North Water Main Extension
- Resurfacing of Flossmoor Road from Western Avenue to Dixie Highway
- Resurfacing of Flossmoor Road from Sterling Avenue to Governors Highway
- Central Business District Street Light Replacement
- Meinheit Water Tower Painting
- Village Hall HVAC Upgrade Project
- Vollmer Road Water Main Replacement
- Brookwood Bridge and Butterfield Road Culvert Reconstruction

Proposed Future Projects

As part of the Fiscal Year 2021 budget preparation, the Public Works Department, the Village Manager and the Finance Department prepared the current Finance & Facilities Plan for the Mayor and Village Board's review. Before a tentative schedule was set, we discussed the list of potential Capital Projects, fund balances and reserves, along with other possible funding sources that may be available. The following is a three-year capital improvement schedule for the Mayor and Board of Trustee's consideration and approval. The budget identified is the full budget with no consideration of outside funding sources such as grants.

FISCAL YEAR 2021

- **Chicago Heights Water Supply Development – Engineering & Construction**
  Projected Budget: $11,244,523 (funding to be determined) – This project includes the engineering and construction to develop a new water supply connection to the City of Chicago Heights. This project will also include the demolition of the Sterling Avenue Water Tower, Vollmer Reservoir Improvements, and other system improvements that will be needed to make this water supply transition feasible. Staff has been working with our consultant on a feasibility

study for the project and the project scope is still being developed and analyzed. The project will have to be financed and should begin in Fiscal Year 2021.

- **Brookwood Bridge and Butterfield Road Culvert Reconstruction – Phase II Engineering**
  Projected Budget: $80,400 (25% General Fund and 75% Storm Sewer Fund*) – The project includes continuing with the Phase II design engineering for the reconstruction of the Brookwood Bridge and Butterfield Road Culvert. State Road Funds will be used to offset the costs for this project. ***(Project is contingent on grant funding.)**

- **Phase IV Sanitary Sewer Rehabilitation Engineering and Construction***
  Projected Budget: $1,460,000 (Sanitary Sewer Rehabilitation Fund) – The project is anticipated to include a combination of spot repairs, total segment replacement, and cured in place lining to restore the function and integrity of the sanitary sewer system within the Flossmoor Hills and Highlands neighborhoods. Engineering and loan preparation documents are substantially complete for this project. The project has been submitted to the IEPA for funding as part of their low interest loan program. In Fiscal Year 2017, additional work commenced on the Village's loan application and supporting documents; the allocation of resources for this project was precipitated by an influx of federal funding in the state program announced in Fiscal Year 2013 and the IEPA encouraging the Village to respond to application comments. Staff and our consultant are currently working on the IEPA application review comments, and we anticipate that the construction will move forward in Fiscal Year 2021. ***(Project is contingent on receiving IEPA loan funding.)**

- **Residential Water Meter Replacement with Radio Read**
  Projected Budget: $1,726,577 (General Fund and Water Fund*) – The project includes the upgrade of the remainder of the small meter inventory (1,895 meters) to the new style Sensus iPERL meter and convert the entire meter inventory to a radio read system. A radio read system will provide the Village the opportunity to read meters quicker, more efficiently and provide the ability to identify leaks and meter issues on a daily basis with real time data. *(Funding for this project is still being deliberated.)

- **Dartmouth Bike Bridge Replacement Project – Engineering and Construction**
  Projected Budget: $500,000 (General Fund) – This project includes the design engineering and construction for the Dartmouth Road Bike Bridge bank stabilization of Butterfield Creek. Baxter & Woodman Consulting Engineers was retained to complete a Preliminary Design Memorandum in Fiscal Year 2016. This memorandum identified the scope for the project, alternative design options, cost estimates, and potential grant funding sources to offset the cost for the project. (**Project is contingent on receiving grant funding).**

- **Central Business District Roadway, Pedestrian and Streetscape Improvements – Phase II Engineering**
  Projected Budget: $150,000 (General Fund*) - The project includes the Phase II Engineering for the Central Business District Roadway, Pedestrian nd Streetscape Improvements project. The Village has identified the need for safety improvements included within the project such as re-

configured intersection geometry, improved vehicle and pedestrian sight lights, improved crosswalk configuration and crossing safety treatments, evaluation of existing on-street parking locations, and improved roadway and pedestrian lighting. The Village has also identified the need to modernize and accentuate the Central Business District by adding parkway and crosswalk pavers, sidewalk replacement to remove tripping and other safety hazards, ADA access improvements, additional trees with tree grates, benches, bike racks, wayfinding and safety signage, and other decorative landscaping elements. Staff is currently pursuing grant funding to offset the cost of the project. ***(Project is contingent on receiving grant funding.)**

- **Village Hall Municipal Complex Improvements – Phase 1**
  <u>Projected Budget: $250,000 (General Fund)</u> – The project is a set-aside for engineering and construction of the first phase of the municipal complex improvements. Proposed improvements were identified by an architect's assessment study that was completed in Fiscal Year 2016. Staff is using this study to further identify what must-do projects can be absorbed through the Finance and Facilities Plan. This first phase will address security issues at the Administration/Finance Department front desk and security issues at the Building Department front desk and reception area.

- **Street Pavement Rehabilitation Program – Phase 1***
  <u>Projected Budget: $4,400,000 (2021 Street Rehabilitation Fund)</u> – This is the first of three projects planned in the Street Rehabilitation Fund Program. The project includes street resurfacing (1 ¾" surface, ¾" leveling binder), patching, curb and gutter repairs, sidewalk repairs (both ADA and mid-block), and crack sealing throughout the project area. Staff anticipates that this program will be funded through a $11M bond issue and completed in three consecutive construction seasons. *(**Project contingent on receiving bond funding.)**

- **FY2021 Street Pavement Maintenance (MFT Supplement)**
  <u>Projected Budget: $30,000 (General Fund)</u> – This project is an additional funding supplement to the annual street pavement maintenance (resurfacing) project. The total budget cost for fiscal year 2021 is $300,000 ($30,000 General Fund and $300,000 Motor Fuel Tax).

- **Merchant Parking Lot Resurfacing**
  <u>Projected Budget: $35,000 (Municipal Parking Lots Fund)</u> – This project includes the milling, patching, resurfacing, and re-striping of the Merchant parking lot and adjacent alley area.

- **Public Works Service Center Security Fence**
  <u>Projected Budget: $40,000 (General Fund)</u> – This project includes the installation of a six foot tall chain link security fence around the rear outside storage area of the Public Works Service Center. This fence will help secure the materials and supplies that are stored outside of the building and also help secure the fuel tanks and anti-icing tank areas. Also included in the project are powered gates that can be opened from Village vehicles to allow efficient access to the fuel pump area.

FISCAL YEAR 2022

- **Brookwood Bridge and Butterfield Road Culvert Reconstruction – Construction**
  Projected Budget: $1,104,180 (General Fund*) – The project includes construction and Phase III construction engineering for the reconstruction of the Brookwood Bridge and Butterfield Road Culvert. As described above, State Road Funds will be used to offset the costs for the Phase I Engineering, Phase II Engineering, Phase III Engineering, and a portion of the construction costs. STP Bridge Fund monies will be used to cover the remaining construction costs. ***(Project is contingent on grant funding.)**

- **Central Business District Roadway, Pedestrian and Streetscape Improvements – Phase III Construction**
  Projected Budget: $1,777,000 (General Fund) - The project includes the Phase III Construction and the Construction Engineering for the Central Business District Roadway, Pedestrian and Streetscape Improvements project. Staff is currently pursuing grant funding to offset the cost of the project. ***(Project is contingent on receiving grant funding.)**

- **Street Pavement Rehabilitation Program – Phase 2***
  Projected Budget: $4,400,000 (2021 Street Rehabilitation Fund) – This is the second project planned in the Street Rehabilitation Fund Program. The project includes street resurfacing (1 ¾" surface, ¾" leveling binder), patching, curb and gutter repairs, sidewalk repairs (both ADA and mid-block), and crack sealing throughout the project area. *(**Project contingent on receiving bond funding.)**

- **Village Hall Municipal Complex Improvements – Phase 2**
  Projected Budget: $250,000 (General Fund) – The project is a set-aside for engineering and construction of the next phase of the municipal complex improvements. Proposed improvements were identified by an architect's assessment study that was completed in Fiscal Year 2016. This study not only addresses space needs and facility improvements required for regulatory purpose, but also maintenance upgrades such as windows, doors, hardware, and building facade. Staff will work this year to prioritize the remaining recommended improvements in the complex, and development the scope of this phase prior to the FY2021 Budget preparation.

- **South Commuter Lot Resurfacing**
  Projected Budget: $125,000 (Municipal Parking Lots Fund (Grant Control) – This project includes the milling, patching, resurfacing, and re-striping of the South Commuter Lot.

- **Public Works Salt Storage Building Reconstruction**
  Projected Budget: $200,000 (General Fund) – This project includes the reconstruction of the Public Works Salt Storage Building, located at the Public Works Service Center. The existing pre-cast concrete salt storage building is 24 years old, and is showing its age and deterioration from salt corrosion and heavy use. Staff is investigating other alternatives for the reconstruction of this building that will be both cost effective and long lasting.

FISCAL YEAR 2023

- **Street Pavement Rehabilitation Program – Phase 3***
  Projected Budget: $2,200,000 (2021 Street Rehabilitation Fund) – This is the third project planned in the Street Rehabilitation Fund program. The project includes street resurfacing (1 ¾" surface, ¾" leveling binder), patching, curb and gutter repairs, sidewalk repairs (both ADA and mid-block), and crack sealing throughout the project area. *(**Project contingent on receiving bond funding.)**

Based on a continuous evaluation of infrastructure needs, a significant number of projects have been planned for the next three years. Each year, as progress is made, Village-wide capital project needs will be re-evaluated, and the plan will be extended. By planning into the future, major infrastructure conditions and service can be preserved, and every attempt can be made to finance these ongoing projects with money already saved for the purpose, along with additional revenue conservatively anticipated during ensuing years.

SUMMARY OF CAPITAL PROJECTS:
Included in the Capital Plan and the Finance and Facilities Plan for the next three years:

▪ Chicago Heights Water Supply Development – Engineering & Construction	$11,244,523
▪ Brookwood Bridge & Butterfield Road Culvert Reconstruction – Phase II Eng.	$80,400
▪ Phase IV Sanitary Sewer Rehabilitation Engineering and Construction	$1,460,000
▪ Residential Water Meter Replacement with Radio Read	$1,726,577
▪ Dartmouth Bike Bridge Replacement Project – Engineering and Construction	$500,000
▪ CBD Roadway, Pedestrian and Streetscape Improvements – Phase II Engineering	$150,000
▪ Village Hall Municipal Complex Improvements – Phase 1	$250,000
▪ Street Pavement Rehabilitation Program – Phase 1	$4,400,000
▪ FY2021 Street Pavement Maintenance (MFT Supplement)	$30,000
▪ Public Works Salt Storage Building Reconstruction	$200,000
▪ Merchant Parking Lot Resurfacing	$35,000
▪ Publlic Works Service Center Security Fence	$40,000
▪ Brookwood Bridge & Butterfield Road Culvert Reconstruction – Construction	$1,104,180
▪ CBD Roadway, Pedestrian and Streetscape Improvements – Phase III Const.	$1,777,000
▪ Street Pavement Rehabilitation Program – Phase 2	$4,400,000
▪ Village Hall Municipal Complex Improvements – Phase 2	$250,000
▪ South Commuter Lot Resurfacing	$125,000

Other projects listed below have been identified as infrastructure needs, but have not been scheduled in the Capital Plan nor the Finance and Facilities Plan. These projects will be scheduled as funding becomes available or as priorities are changed.

▪ Western Avenue Tower Painting and Repairs	$300,000
▪ Phase III Storm Sewer Rehabilitation - Engineering	$175,000
▪ Phase III Storm Sewer Rehabilitation – Construction	$1,100,000

▪ Berry Lane Water Main Replacement	$325,000
▪ Imperial Ct. & Embassy Row Water Main Replacement	$155,000
▪ Elm Ct. Water Main Replacement	$75,000
▪ Hamlin Ave. Water Main Replacement	$550,000
▪ Central Park Ave. Water Main Extension	$232,500
▪ Butterfield Lift Station Forcemain – Assessment & Rehabilitation	$1,120,000
▪ Woods Lift Station Forcemain – Assessment & Rehabilitation	$660,000
▪ Heather Road Lift Station Forcemain – Assessment & Rehabilitation	$165,000
▪ Sylvan Ct. Lift Station Forcemain – Assessment & Rehabilitation	$225,000
▪ Commons Lift Station Forcemain – Assessment & Rehabilitation	$30,000
▪ Dartmouth Rd. Lift Station Forcemain – Assessment & Rehabilitation	$315,000
▪ Hagen Lane Drainage Improvements	$750,000
▪ Douglas Avenue Drainage Improvements	$175,000
▪ Flossmoor Road Viaduct Drainage Improvements	$6,500,000
▪ Central Park Avenue Storm Sewer Impr. (Beech St. to Brumley Dr.)	$150,000
▪ Heather Rd. Lift Station Reconstruction	$250,000
▪ Braeburn Ave. Sanitary Sewer Improvement	$500,000
▪ Village Hall Municipal Complex Improvements – future phases	$1,000,000
▪ North Commuter Parking Lot Resurfacing	$55,000
▪ South Commuter Parking Lot Resurfacing	$125,000
▪ Central Drive Parking Lot Resurfacing	$40,000
▪ Library Parking Lot Resurfacing	$60,000

MEMORANDUM

TO: Bridget A. Wachtel, Village Manager
C: Scott Bordui, Finance Director
FROM: John S. Brunke, Public Works Director
DATE: March 12, 2019
SUBJECT: Street Pavement Rehabilitation Program

FLOSSMOOR

In Fiscal Year 2017, Public Works staff retained Baxter & Woodman Consulting Engineers to complete a Pavement Management Report of all streets in the Village (public and private). This report assigned a rating to each street and also recommendations for rehabilitation and estimates of cost to complete. The total cost of repair/rehabilitation in 2017 dollars for all Village owned streets, PASER rating 1-10 (42.3 miles), is $20,057,360. The street rehabilitation work is divided into three main strategies; crack sealing and patching, mill and resurface (1.75” surface and ¾” leveling binder), full depth pavement reconstruction, curb and gutter repairs, and sidewalk and ADA repairs. It should be noted that while the roadways with PASER ratings of 8-10 are in very good to excellent condition, there is still sidewalk and ADA repair funding recommended in the report for these roadways. The report will be the outline for the street maintenance program moving forward. Below is a current summary of the PASER ratings, length and corresponding improvement strategy for each.

PASER	Length (mi.)	Improvement Strategy Description
10 – 9	5.3	*Excellent condition*; No maintenance required
8	2.4	*Very good condition*; Little or no maintenance required
7 – 6	17.3	*Good condition*; Minor maintenance required – crack seal and/or patching, curb repairs, sidewalk & ADA repairs
5	9.1	*Fair condition*; Mill and resurface, minor patching, curb repairs, sidewalk & ADA repairs
4	6.9	*Fair condition*; Mill and resurface, moderate patching, curb repairs, sidewalk & ADA repairs
3	1.1	*Poor condition*; Mill and resurface, major patching, curb repairs, sidewalk & ADA repairs
2	0	*Very poor condition*; Reconstruct pavement (HMA and base course), curb repairs, sidewalk & ADA repairs
1	0.2	*Failed*; Reconstruct pavement w/ subgrade repairs, curb repairs, sidewalk & ADA repairs

Staff feels that the goal of this program should be to strive to have all of our Village owned roadways at a rating of 8 or better. Therefore, there are 34.6 miles of roadways to rehabilitate to reach this goal at an estimated cost of $17,367,778 (2017 dollars). This estimated cost includes conservative construction cost numbers and design engineering and construction observation services for the improvements to be provided by a consultant. This cost equates to an average cost of $502,000 per mile of road rehabilitated.

As a comparison, our FY19 MFT Resurfacing Project and Sidewalk Replacement Project cost approximately $282,000 per mile. In the proposed program, we want to add ¾” leveling binder to the pavement rehabilitation to produce a better long lasting product. By adding leveling binder, design engineering, and construction observation services (13% of cost), the cost would be approximately $409,000 per mile. Therefore, the total cost of this program could range between $14,151,400 and $17,367,778.

Below is a summary of the estimated costs for each PASER rating from the 2017 Pavement Management Report.

PASER	Estimated Cost
10 – 9	$1,313,157
8	$105,724
7 – 6	$4,358,281
5	$5,933,187
4	$5,580,770
3	$1,070,386
2	$0
1	$425,154

In anticipation of a discussion on a bond issue to fund this program, Staff has developed three options for consideration.

Option #1 - $8,000,000 Bond Issue

With an $8,000,000 bond issue, we could fund the improvements for the PASER 1, 3, 4, a small portion of 5, and a portion of the 7 – 6 rated roadways. This would equate to 15.9 miles of rehabilitation, or 46% of the recommended improvements. This size program would be planned for two phases and constructed over two years (Phase 1 - $4,000,000, Phase 2 - $4,000,000).

Option #2 - $11,000,000 Bond Issue

With an $11,000,000 bond issue, we could fund the improvements for the PASER 1, 3, 4, a good portion of the 5, and a portion of the 7 - 6 rated roadways. This would equate to 21.9 miles of rehabilitation, or 63% of the recommended improvements. This size program would be planned for three phases and constructed over three years (Phase 1 - $4,400,000, Phase 2 - $4,400,000, Phase 3 - $2,200,000).

Option #3 - $14,000,000 Bond Issue

With a $14,000,000 bond issue, we could fund the improvements for the PASER 1, 3, 4, 5, and a portion of the 7 – 6 rated roadways. This would equate to 27.9 miles of rehabilitation, or 81% of the recommended improvements. This size program would be planned for three phases and constructed over three years (Phase 1 - $5,600,000, Phase 2 - $5,600,000, Phase 3 - $2,800,000).

Regardless of which option is chose above, there will still need to be funding for rehabilitation work planned each year in the street program to maintain the condition of the roadways and sidewalk infrastructure moving forward.

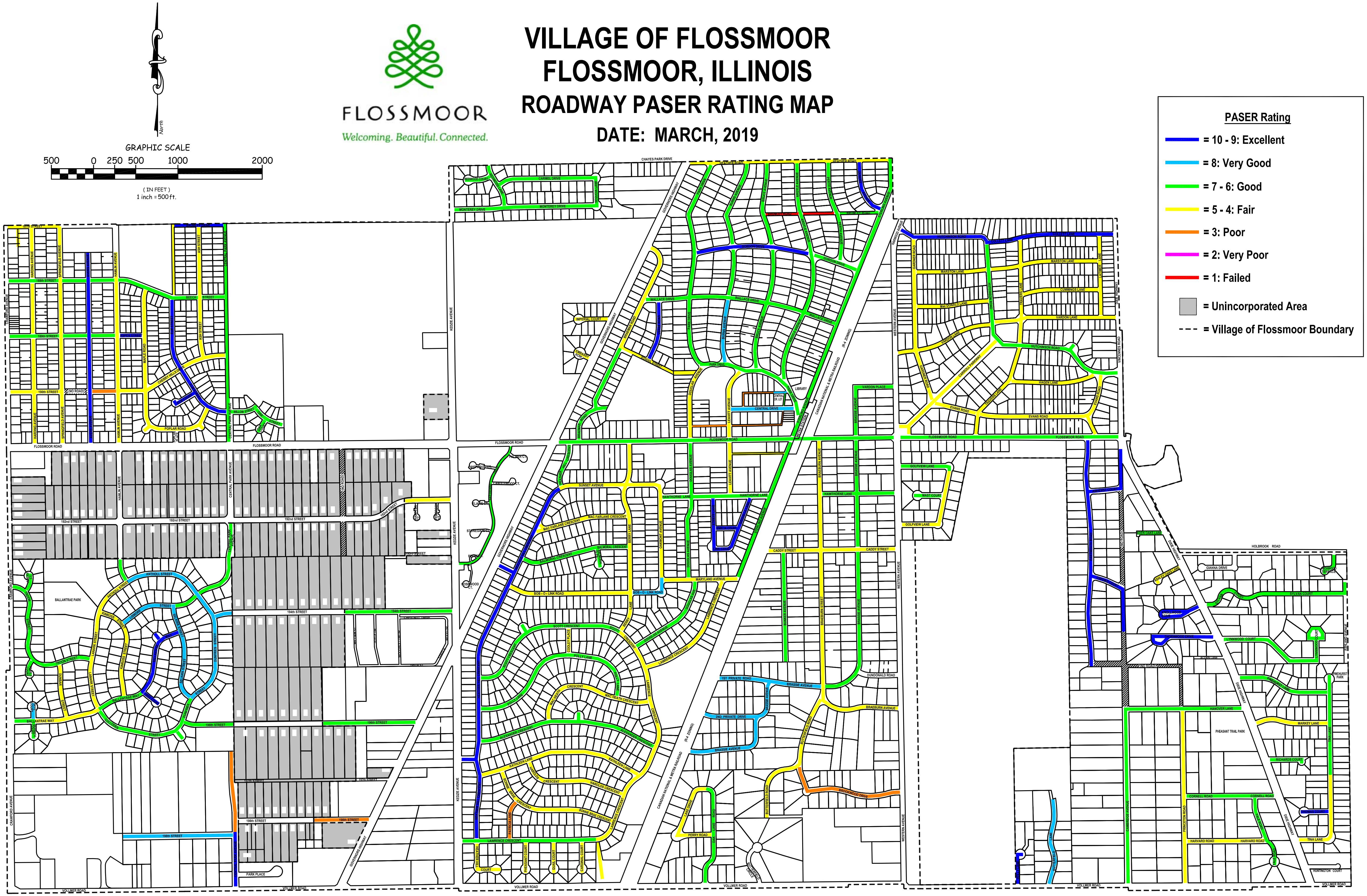
Recommendation

After review of the options above and what impact the bond issue would have on our taxpayers of the community, Staff recommends that the Village Board consider moving forward with Option #2. This option will allow us to complete approximately 63% of the recommended rehabilitation of our roadways and sidewalk infrastructure. By using value engineering and working to complete some of the design engineering work as an in-house service, Staff can work to get as much work done as possible with this program. Attached for your reference is an updated Roadway PASER Rating Map that shows the Village roadways and the respective PASER rating for each.

Attachment: Flossmoor PASER Road Rating Map (March 2019) (FY 21 Finance and Facilities Plan)

VILLAGE OF FLOSSMOOR
FLOSSMOOR, ILLINOIS
ROADWAY PASER RATING MAP
DATE: MARCH, 2019

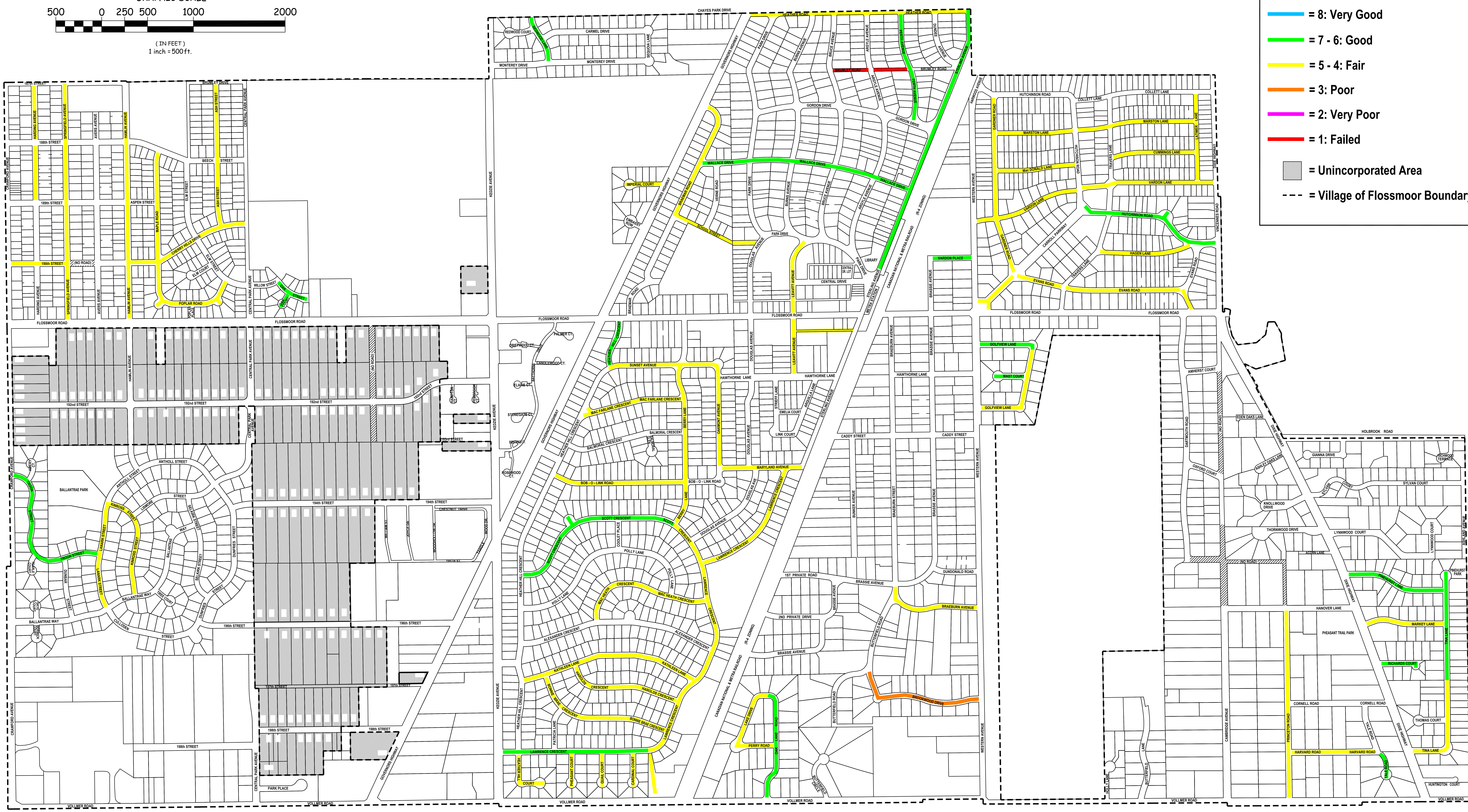
FLOSSMOOR
Welcoming. Beautiful. Connected.



VILLAGE OF FLOSSMOOR
FLOSSMOOR, ILLINOIS
BOND PROGRAM OPTION #2 STREETS
DATE: MARCH, 2019

FLOSSMOOR
Welcoming. Beautiful. Connected.

GRAPHIC SCALE
500 0 250 500 1000 2000
(IN FEET)
1 inch = 500 ft.



PASER Rating
- = 10 - 9: Excellent
- = 8: Very Good
- = 7 - 6: Good
- = 5 - 4: Fair
- = 3: Poor
- = 2: Very Poor
- = 1: Failed
- = Unincorporated Area
- = Village of Flossmoor Boundary

3/11/20

FLOSSMOOR PUBLIC LIBRARY

REVENUES		APPROVED BUDGET 20-21	AMENDED BUDGET 19-20	ACTUAL 18-19	ACTUAL 17-18	ACTUAL 16-17
ACCOUNT #	**TAXES**					
50-00-1-401	Property Taxes	1,301,831	1,301,831	1,164,310	1,172,845	1,097,579
50-00-1-402	Property Tax - Soc Sec	56,700	56,700	49,940	50,377	49,227
50-00-1-403	Property Tax - IMRF	64,900	64,900	60,271	65,827	69,189
50-00-1-415	Personal Property Repl Tax	13,000	13,000	13,772	11,250	13,046
	TOTAL TAXES	1,436,431	1,436,431	1,288,293	1,300,299	1,229,041
	INTERGOVERNMENTAL AND GRANTS					
50-00-3-440	Per Capita Grant	11,830	11,830	11,830	11,830	7,348
50-00-3-441	Other Grants	0	0	500	0	0
	TOTAL GRANTS	11,830	11,830	12,330	11,830	7,348
	CHARGES FOR SERVICES					
50-00-4-450	Program fees	2,000	3,000	2,081	2,775	2,880
	PROGRAM FEES	2,000	3,000	2,081	2,775	2,880
	FINES AND FEES					
50-00-5-471	Fines and Fees	4,000	7,500	8,155	10,779	16,649
	TOTAL FINES AND FEES	4,000	7,500	8,155	10,779	16,649
	MISCELLANEOUS REVENUES					
50-00-6-480	Interest	7,000	28,000	36,252	8,518	5,932
50-00-6-483	Copier Income	11,000	11,000	11,271	11,945	11,536
50-00-6-485	Private Contributions	1,500	1,000	666	470	889
50-00-6-486	Miscellaneous Income	500	500	557	15	3,122
50-00-6-487	Designated Gifts	5,000	3,500	0	6,995	2,625
	TOTAL MISC. REVENUES	25,000	44,000	48,746	27,943	24,104
	TOTAL REVENUES	1,479,261	1,502,761	1,359,605	1,353,626	1,280,022

Attachment: Library Budget 20-21 (FY 21 Finance and Facilities Plan)

3/11/20

FLOSSMOOR PUBLIC LIBRARY

EXPENDITURES		APPROVED BUDGET 20-21	AMENDED BUDGET 19-20	ACTUAL 18-19	ACTUAL 17-18	ACTUAL 16-17
ACCOUNT #	**PERSONNEL SERVICES**					
	Salaries					
50-01-1-501	Library Salaries	765,500	741,000	685,068	700,831	659,631
	Fringe Benefits					
50-01-2-590	Health Ins Prem/EAP	71,000	65,000	58,040	61,228	59,037
50-01-2-591	Life Insurance Premium	1,280	1,280	1,196	1,223	1,053
50-01-2-593	Unemployment Comp	2,500	2,500	2,497	2,089	1,542
50-01-2-595	Library FICA Contributions	45,950	45,950	41,863	42,576	40,024
50-01-2-596	Library Medicare Contr	10,750	10,750	9,791	9,957	9,361
50-01-2-597	Library IMRF Contributions	64,900	64,900	62,977	68,373	68,749
	TOTAL PERSONNEL SERV	961,880	931,380	861,432	886,277	839,397
	COMMODITIES					
50-01-3-601	Office Supplies	3,500	3,800	3,888	3,355	3,989
50-01-3-602	Books	74,210	73,000	69,031	67,233	66,877
50-01-3-603	Postage	2,400	2,425	2,303	2,365	2,229
50-01-3-604	Leased Books	4,300	4,300	0	0	4,137
50-01-3-605	Periodicals	10,400	10,000	10,345	9,507	9,523
50-01-3-606	Electronic Resources	10,700	12,000	10,309	8,670	8,785
50-01-3-607	Audio Visual	20,500	17,500	17,897	17,219	16,848
50-01-3-610	ILL Charges	800	1,000	792	198	42
50-01-3-611	Circulation Supplies	3,650	3,650	2,233	2,174	2,031
50-01-3-612	Technical Service Supplies	6,500	6,500	6,305	6,416	6,491
50-01-3-614	Building Supplies	6,000	6,250	5,037	4,465	4,924
50-01-3-615	Programming	30,550	32,300	23,069	32,982	25,418
50-01-3-616	Printer Supplies	5,500	5,750	4,208	5,839	5,487
50-01-3-617	Software and Updates	19,100	10,600	6,450	4,978	8,733
	TOTAL COMMODITIES	198,110	189,075	161,867	165,401	165,514

3/11/20

FLOSSMOOR PUBLIC LIBRARY

EXPENDITURES

ACCOUNT #	CONTRACTUAL SERV	APPROVED BUDGET 20-21	AMENDED BUDGET 19-20	ACTUAL 18-19	ACTUAL 17-18	ACTUAL 16-17
50-01-4-633	Auditing Service	7,400	7,000	6,750	4,155	4,455
50-01-4-635	Printing and Advertising	8,850	8,500	10,418	10,226	6,995
50-01-4-637	Telecommunications	8,500	8,000	6,516	6,480	6,301
50-01-4-640	Workmen's Compensation	3,500	3,500	3,185	2,701	4,441
50-01-4-641	Ins-Prop/Casualty/Liability	13,700	13,000	12,457	11,988	11,138
50-01-4-644	Legal Services	3,500	3,500	5,510	5,751	891
50-01-4-645	Consultants	25,000	30,000	10,320	12,270	14,028
50-01-4-646	Security	15,000	7,500	0	2,235	21,368
50-01-4-647	Janitorial Services	39,000	38,000	37,320	36,120	36,120
50-01-4-648	Computer Technical Serv	4,750	10,000	5,000	12,500	14,425
50-01-4-649	Water and Sewer Service	3,300	3,050	2,498	2,730	2,580
50-01-4-650	Gas Energy/Heating	15,000	17,000	16,512	17,669	14,907
50-01-4-651	Equipment rental	7,000	7,500	4,873	3,814	3,248
50-01-4-655	Payroll Services/Fees	3,500	2,700	2,243	2,151	2,143
50-01-4-656	Village Accounting Serv	12,000	5,750	5,347	5,115	5,084
50-01-4-657	Surety Bond	300	300	491	491	491
50-01-4-659	SWAN/Data Entry	25,000	24,587	21,875	22,035	21,891
	TOTAL CONTRACTUAL SERV	195,300	189,887	151,315	158,431	170,506
	STAFF DEVELOPMENT					
50-01-5-661	Staff Development	13,000	19,500	8,040	16,110	6,147
	TOTAL STAFF DEVELOPMENT	13,000	19,500	8,040	16,110	6,147
	MAINTENANCE					
50-01-6-670	Equipment Maint/setup	52,500	39,000	17,422	18,642	18,970
50-01-6-676	Building and Grounds Maint	155,450	127,250	72,249	80,277	76,561
50-01-6-677	Emergency and Contingency	10,000	132,000	5,883	6,151	10,000
	TOTAL MAINTENANCE	217,950	298,250	95,554	105,070	105,531
	CAPITAL OUTLAY/NON-OPERATING					
50-01-7-701	Equipment and Furnishings	10,000	10,000	0	3,628	1,943
	TOTAL CAPITAL OUTLAY	10,000	10,000	0	3,628	1,943
	TOTAL EXPENDITURES	1,596,240	1,638,092	1,278,208	1,334,917	1,289,038
	SURPLUS/(DEFICIT)	(116,979)	(135,331)	81,397	18,709	(9,016)

Attachment: Library Budget 20-21 (FY 21 Finance and Facilities Plan)

FLOSSMOOR PUBLIC LIBRARY
GASB 54 FUND BALANCE DISTRIBUTION
PROJECTED FY19-20
(for inclusion with FY20-21 Budget)

	General Projected FY19-20
PROJ FUND BALANCE TOTAL 4/30/20	1844165
FUND BALANCE CLASSIFICATIONS	
RESTRICTED FUND BALANCE	0
COMMITTED FUND BALANCE	
Private Donations-Special Acquisitions	317000
Building- major exterior repair/maint	368217
Building- major interior repair/maint	721486
Building remodel	25000
ASSIGNED FUND BALANCE	
Technology projects	20000
"Green" initiatives	4000
Security upgrades	5000
UNASSIGNED FUND BALANCE	
Reserves	383462
TOTAL	0

VILLAGE OF FLOSSMOOR
4/6/2020
CLAIMS LIST SUMMARY

HAND CHECKS	$665.92
INVOICES	$214,296.23
TOTAL	$214,962.15

VILLAGE OF FLOSSMOOR
DETAIL BOARD REPORT

INVOICES DUE ON/BEFORE 04/07/2020

INVOICE # / VENDOR #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
AIRONEEQ AIR ONE EQUIPMENT INC								
154342	03/13/20	01	AIR PACK MASK BAGS	16-01-7-749 CAPITAL EQUIPMENT-FIRE			04/07/20	1,760.50
						INVOICE TOTAL:		1,760.50
154465	03/17/20	01	AIR TEST	01-49-6-677 EQUIPMENT SERVICE CONTRACT			04/07/20	165.00
						INVOICE TOTAL:		165.00
						VENDOR TOTAL:		1,925.50
AIRGASUS AIRGAS USA, LLC								
9968571157	02/29/20	01	DPW WELDING GAS CYLINDER FEE	01-60-6-671 MAINTENANCE AND SUPPLIES			04/07/20	16.36
		02	DPW WELDING GAS CYLINDER FEE	07-01-6-671 MAINTENANCE AND SUPPLIES				16.36
		03	DPW WELDING GAS CYLINDER FEE	08-11-6-671 MAINTENANCE AND SUPPLIES				16.36
		04	DPW WELDING GAS CYLINDER FEE	08-21-6-671 MAINTENANCE AND SUPPLIES				16.36
						INVOICE TOTAL:		65.44
9968573048	02/29/20	01	DPW WELDING GAS CYLINDER FEE	01-60-6-671 MAINTENANCE AND SUPPLIES			04/07/20	7.04
		02	DPW WELDING GAS CYLINDER FEE	07-01-6-671 MAINTENANCE AND SUPPLIES				7.04
		03	DPW WELDING GAS CYLINDER FEE	08-11-6-671 MAINTENANCE AND SUPPLIES				7.04
		04	DPW WELDING GAS CYLINDER FEE	08-21-6-671 MAINTENANCE AND SUPPLIES				7.04
						INVOICE TOTAL:		28.16
9969299308	03/01/20	01	DPW WELDING GAS CYLINDER LEASE	01-60-6-671 MAINTENANCE AND SUPPLIES			04/07/20	26.03
		02	DPW WELDING GAS CYLINDER LEASE	07-01-6-671 MAINTENANCE AND SUPPLIES				26.03

VILLAGE OF FLOSSMOOR
DETAIL BOARD REPORT

INVOICES DUE ON/BEFORE 04/07/2020

INVOICE # / VENDOR #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
AIRGASUS AIRGAS USA, LLC								
9969299308	03/01/20	03	DPW WELDING GAS CYLINDER LEASE	08-11-6-671 MAINTENANCE AND SUPPLIES			04/07/20	26.04
		04	DPW WELDING GAS CYLINDER LEASE	08-21-6-671 MAINTENANCE AND SUPPLIES				26.04
						INVOICE TOTAL:		104.14
						VENDOR TOTAL:		197.74
AMERPRIN AMERICAN PRINTING TECHNOLOGIES								
2549	03/06/20	01	VEHICLE STICKER APPLICATIONS	01-48-3-614 VEHICLE STICKER COMPLIANCE			04/07/20	8,492.29
		02	POSTAGE CREDIT	01-43-3-603 POSTAGE				-312.28
						INVOICE TOTAL:		8,180.01
						VENDOR TOTAL:		8,180.01
ANDRESME ANDRES MEDICAL BILLING, LTD								
248576	03/11/20	01	FEBRUARY 2020 COLLECTIONS	01-49-4-656 AMBULANCE COLLECTION SERVI			04/07/20	1,643.90
						INVOICE TOTAL:		1,643.90
						VENDOR TOTAL:		1,643.90
BENISTAR BENISTAR/UA-6803								
04012020	03/02/20	01	APRIL 2020 RETIREES	01-00-0-219 HEALTH INSURANCE PAYABLE			04/07/20	1,804.00
						INVOICE TOTAL:		1,804.00
						VENDOR TOTAL:		1,804.00
BERGSTEI BERGSTEIN'S NY DELICATESSEN								
021620	02/16/20	01	SYMPATHY PLATTER FOR SEWELL	01-41-4-652 COMMUNITY SERVICE ACTIVITI			04/07/20	117.92
						INVOICE TOTAL:		117.92

INVOICES DUE ON/BEFORE 04/07/2020

INVOICE # / VENDOR #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
BERGSTEI BERGSTEIN'S NY DELICATESSEN								
031620	03/16/20	01	SYMPATHY PLATTER FOR RADLOFF	01-41-4-652 COMMUNITY SERVICE ACTIVITI			04/07/20	117.92
						INVOICE TOTAL:		117.92
						VENDOR TOTAL:		235.84
BCBSILL BLUE CROSS BLUE SHIELD OF IL								
APRIL 2020	03/09/20	01	APRIL PREMIUM	01-42-2-591 LIFE INSURANCE PREMIUM			04/07/20	21.85
		02	APRIL PREMIUM	01-43-2-591 LIFE INSURANCE PREMIUM				34.20
		03	APRIL PREMIUM	01-45-2-591 LIFE INSURANCE PREMIUM				7.60
		04	APRIL PREMIUM	01-48-2-591 LIFE INSURANCE PREMIUM				119.70
		05	APRIL PREMIUM	01-49-2-591 LIFE INSURANCE PREMIUM				26.60
		06	APRIL PREMIUM	01-50-2-591 LIFE INSURANCE PREMIUM				19.00
		07	APRIL PREMIUM	01-53-2-591 LIFE INSURANCE PREMIUM				4.75
		08	APRIL PREMIUM	01-55-2-591 LIFE INSURANCE PREMIUM				12.35
		09	APRIL PREMIUM	01-60-2-591 LIFE INSURANCE PREMIUM				55.10
						INVOICE TOTAL:		301.15
						VENDOR TOTAL:		301.15
BORDUI SCOTT BORDUI								
FEBRUARY 2020	03/01/20	01	ORLAND PARK SMIGFOA MEETING	08-20-5-661 TRAINING			04/07/20	18.40
		02	WESTCHESTER IRMA AFC MEETING	08-20-5-661 TRAINING				34.50
						INVOICE TOTAL:		52.90
						VENDOR TOTAL:		52.90

INVOICES DUE ON/BEFORE 04/07/2020

INVOICE # / VENDOR #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
BRITE BRITE								
INV18532	03/10/20	01	DEVICE MOUNT FOR FORD INTERCEP	01-48-3-615 SMALL TOOLS & EQUIPMENT			04/07/20	800.00
						INVOICE TOTAL:		800.00
						VENDOR TOTAL:		800.00
BRUNOS BRUNO'S TUCKPOINTING, INC.								
200028	02/05/20	01	VH:TUCKPOINT & CONCRETE SEALNG	16-01-7-767 BUILDING MAINTENANCE			04/07/20	4,970.00
						INVOICE TOTAL:		4,970.00
						VENDOR TOTAL:		4,970.00
COPSTEST C.O.P.S. TESTING SERVICE INC.								
105849	03/10/20	01	LAW ENFORCEMNT: EXAM& ORIENT'N	01-48-4-630 PROFESSIONAL SERVICES			04/07/20	1,180.00
						INVOICE TOTAL:		1,180.00
105854	03/13/20	01	PRE-EMPLOYMENT PSYCHOLOGICAL	01-48-4-630 PROFESSIONAL SERVICES			04/07/20	450.00
						INVOICE TOTAL:		450.00
						VENDOR TOTAL:		1,630.00
CANONSOL CANON SOLUTIONS AMERICA , INC.								
4032039443	02/27/20	01	MONTHLY COPIER MAINTENANCE	01-53-6-670 OFFICE EQUIPMENT MAINTENAN			04/07/20	11.60
						INVOICE TOTAL:		11.60
4032039448	02/27/20	01	COPIER MAINTENANCE	01-49-6-677 EQUIPMENT SERVICE CONTRACT			04/07/20	11.60
						INVOICE TOTAL:		11.60
4032183428	03/07/20	01	MONTHLY COPIER USAGE	01-55-6-670 OFFICE EQUIPMENT MAINTENAN			04/07/20	88.80
						INVOICE TOTAL:		88.80

INVOICES DUE ON/BEFORE 04/07/2020

INVOICE # / VENDOR #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
CANONSOL CANON SOLUTIONS AMERICA , INC.								
4032183837	04/06/20	01	COMPIER MONTHLY BASE	01-55-6-670 OFFICE EQUIPMENT MAINTENAN			04/07/20	38.20
						INVOICE TOTAL:		38.20
						VENDOR TOTAL:		150.20
CARLILE CARLILE GROUP								
20200068	03/03/20	01	HISTORIC BLDG SURVEY	01-41-7-711 HISTORIC BUILDING SURVEY			04/07/20	3,653.29
						INVOICE TOTAL:		3,653.29
						VENDOR TOTAL:		3,653.29
CDW-G CDW GOVERNMENT, INC.								
WZP2857	02/26/20	01	ADMIN TONER	01-42-3-607 COMPUTER EQUIPMENT & SUPPL			04/07/20	217.28
						INVOICE TOTAL:		217.28
						VENDOR TOTAL:		217.28
CLARKBAI CLARK BAIRD SMITH LLP								
022920	02/29/20	01	LEGAL SERVICES	01-44-4-644 OTHER LEGAL SERVICES			04/07/20	802.50
						INVOICE TOTAL:		802.50
						VENDOR TOTAL:		802.50
COM4015 COMED								
5007104015 030520	03/05/20	01	WOODS LIFT STATION POWER	08-21-4-631 ELECTRIC, POWER, & LIGHT			04/07/20	607.24
						INVOICE TOTAL:		607.24
						VENDOR TOTAL:		607.24
COM5073 COMED								

INVOICES DUE ON/BEFORE 04/07/2020

INVOICE # / VENDOR #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
COM5073 COMED								
0725105073 030220	03/02/20	01	CBD LIGHT POWER	40-33-4-634 MISCELLANEOUS SERVICES			04/07/20	57.64
						INVOICE TOTAL:		57.64
						VENDOR TOTAL:		57.64
COM4037 COMED								
1498044037 030520	03/05/20	01	WESTERN TOWER	08-11-4-631 ELECTRIC, POWER, AND LIGHT			04/07/20	138.62
						INVOICE TOTAL:		138.62
						VENDOR TOTAL:		138.62
CORE&MAI CORE & MAIN LP								
M030006	03/09/20	01	BRASS/EXTRA STRONG COPPER CONN	08-11-6-675 WATER SYSTEM MAINT & REPAI			04/07/20	34.32
		02	BRASS/EXTRA STRONG COPPER CONN	08-13-3-619 PROGRAM COMMODITIES				34.31
						INVOICE TOTAL:		68.63
						VENDOR TOTAL:		68.63
CORE CORE INTEGRATED MARKETING								
118677	03/06/20	01	VIDEO GAMING LICENSE	01-43-3-609 LICENSE AND PERMIT SUPPLIE			04/07/20	85.00
						INVOICE TOTAL:		85.00
						VENDOR TOTAL:		85.00
CREATIVE CREATIVE PRODUCT SOURCING, INC								
132766	03/16/20	01	T-SHIRTS	25-01-3-610 MISCELLANEOUS			04/07/20	648.56
						INVOICE TOTAL:		648.56
						VENDOR TOTAL:		648.56

INVOICES DUE ON/BEFORE 04/07/2020

INVOICE # / VENDOR #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
CROSSMAR CROSSMARK PRINTING, INC.								
78273	03/18/20	01	NEWSLETTER PRINTING	01-41-4-635 PRINTING			04/07/20	2,166.92
						INVOICE TOTAL:		2,166.92
						VENDOR TOTAL:		2,166.92
CRUSOR RICHARD G. CRUSOR, JR.								
031220	03/12/20	01	ADMIN ADJUDICATION 2/27/20	01-44-4-646 LOCAL ADJUDICATION SERVICE			04/07/20	195.00
						INVOICE TOTAL:		195.00
						VENDOR TOTAL:		195.00
CURRENT CURRENT TECHNOLOGIES CORP								
724049	03/16/20	01	MICROSOFT OFFICE UPGRADE	16-01-7-730 COMPUTER EQUIPMENT			04/07/20	310.00
						INVOICE TOTAL:		310.00
						VENDOR TOTAL:		310.00
DIRECTFI DIRECT FITNESS SOLUTIONS								
556322	01/06/20	01	FITNESS EQUIP ANNUAL SERVICE	01-49-5-662 PHYS FITNESS & INNOCULATIO			04/07/20	421.88
		02	FITNESS EQUIP ANNUAL SERVICE	01-48-3-605 OPERATING SUPPLIES				200.00
		03	FITNESS EQUIP ANNUAL SERVICE	01-48-6-670 OFFICE EQUIPMENT MAINTENAN				221.87
						INVOICE TOTAL:		843.75
						VENDOR TOTAL:		843.75
DYNEGY DYNEGY ENERGY SERVICES								
0271903520021	02/28/20	01	VOLLMER RESEVOIR	08-11-4-631 ELECTRIC, POWER, AND LIGHT			04/07/20	1,485.16
						INVOICE TOTAL:		1,485.16

INVOICES DUE ON/BEFORE 04/07/2020

INVOICE # / VENDOR #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
DYNEGY	DYNEGY ENERGY SERVICES							
08114631	02/28/20	01	STERLING PUMP STATION	08-11-4-631 ELECTRIC, POWER, AND LIGHT			04/07/20	1,088.51
						INVOICE TOTAL:		1,088.51
271900020021	02/28/20	01	KEDZIE BOOSTER STATION	08-11-4-631 ELECTRIC, POWER, AND LIGHT			04/07/20	264.72
						INVOICE TOTAL:		264.72
271900520021	02/28/20	01	BUTTERFIELD LIFT STATION	08-21-4-631 ELECTRIC, POWER, & LIGHT			04/07/20	1,693.77
						INVOICE TOTAL:		1,693.77
						VENDOR TOTAL:		4,532.16
EAGLEUNI	EAGLE UNIFORM CO INC							
288693	03/18/20	01	TAYLOR: GOLD HAT BAND	01-48-3-612 UNIFORMS & RELATED SUPPLIE			04/07/20	18.00
						INVOICE TOTAL:		18.00
						VENDOR TOTAL:		18.00
EBELSACE	EBEL'S ACE HARDWARE							
32401	03/11/20	01	APPLIANCE BULB	01-48-3-611 SPECIAL POLICE COMMODITIES			04/07/20	5.02
						INVOICE TOTAL:		5.02
						VENDOR TOTAL:		5.02
ESO	ESO SOLUTIONS INC.							
ESO31053	03/10/20	01	QUICKSPEAK	01-49-6-672 COMPUTER SOFTWARE MAINTENA			04/07/20	163.77
						INVOICE TOTAL:		163.77
						VENDOR TOTAL:		163.77
EXPERT	EXPERT CHEMICAL & SUPPLY INC							

INVOICES DUE ON/BEFORE 04/07/2020

INVOICE # / VENDOR #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
EXPERT	EXPERT CHEMICAL & SUPPLY INC							
851527	03/10/20	01	DISINFECTANT CLEANING SUPPLY	01-67-3-616 CLEANING SUPPLIES			04/07/20	243.20
						INVOICE TOTAL:		243.20
851623	03/13/20	01	RESTOCK PAPER SUPPLIES	01-67-3-605 OPERATING SUPPLIES			04/07/20	655.51
						INVOICE TOTAL:		655.51
851676	03/17/20	01	VILLAGE PAPER PRODUCTS RESTOCK	01-67-3-605 OPERATING SUPPLIES			04/07/20	1,504.33
						INVOICE TOTAL:		1,504.33
						VENDOR TOTAL:		2,403.04
FRONTLIN	FRONTLINE PUB SAFETY SOLUTIONS							
030920	03/09/20	01	TRAINING SOFTWARE ANNUAL RENEW	01-48-3-611 SPECIAL POLICE COMMODITIES			04/07/20	500.00
		02	TRAINING SOFTWARE ANNUAL RENEW	01-48-3-605 OPERATING SUPPLIES				500.00
						INVOICE TOTAL:		1,000.00
						VENDOR TOTAL:		1,000.00
GALLS	GALLS, LLC							
014943885	02/05/20	01	CSO JOHNSON: BOOTS	01-48-3-612 UNIFORMS & RELATED SUPPLIE			04/07/20	68.94
						INVOICE TOTAL:		68.94
015000483	02/12/20	01	KAUSAL: SHOES	01-48-3-612 UNIFORMS & RELATED SUPPLIE			04/07/20	99.00
						INVOICE TOTAL:		99.00
						VENDOR TOTAL:		167.94
GASVODA	GASVODA & ASSOCIATES INC							

INVOICES DUE ON/BEFORE 04/07/2020

INVOICE # / VENDOR #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
GASVODA GASVODA & ASSOCIATES INC								
INV2000498	03/03/20	01	REPAIR CONTROLLER@COMMONS LIFT	08-21-6-677 SEWER SYSTEM MAINTENANCE			04/07/20	2,074.50
						INVOICE TOTAL:		2,074.50
						VENDOR TOTAL:		2,074.50
GBJSALES GBJ SALES, LLC								
2803	03/10/20	01	COVID-19 WIPES	01-67-3-616 CLEANING SUPPLIES			04/07/20	93.00
						INVOICE TOTAL:		93.00
						VENDOR TOTAL:		93.00
HARVARD HARVARD COLLECTION								
FLOSSAR190551	02/29/20	01	FEBRUARY 2020 COLLECTIONS	01-43-4-656 COLLECTION SERVICES			04/07/20	116.25
						INVOICE TOTAL:		116.25
FLOSSWS190551	02/04/20	01	W/S COLLECTION FEBRUARY 2020	08-10-4-656 COLLECTION SERVICES			04/07/20	61.21
		02	W/S/ COLLECTION FEBRUARY 2020	08-20-4-656 COLLECTION SERVICES				20.40
						INVOICE TOTAL:		81.61
						VENDOR TOTAL:		197.86
HARVEYCE HARVEY CEMENT PRODUCTS INC								
2020081	03/17/20	01	BRICKS FOR MANHOLE REPAIR	07-01-6-675 STORM SYSTEM MAINTENANCE &			04/07/20	309.60
						INVOICE TOTAL:		309.60
						VENDOR TOTAL:		309.60
HISKES HISKES, DILLNER, O'DONNELL,								
9286	03/05/20	01	UNPLANNED LITIGATION	01-44-4-643 UNPLANNED LITIGATION			04/07/20	914.40

INVOICES DUE ON/BEFORE 04/07/2020

INVOICE # / VENDOR #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
HISKES	HISKES, DILLNER, O'DONNELL,							
9286	03/05/20	02	TIF EXEMPT PROPERTIES	05-01-4-630 PROFESSIONAL SERVICES			04/07/20	2,731.00
		03	NO CASH BLDS	01-44-4-644 OTHER LEGAL SERVICES				165.00
						INVOICE TOTAL:		3,810.40
						VENDOR TOTAL:		3,810.40
HOLLANDP	HOLLAND PRINTING INC							
67818	03/20/20	01	W/S REPLY ENVELOPES	08-10-4-635 PRINTING			04/07/20	213.66
		02	W/S REPLY ENVELOPES	08-20-4-635 PRINTING				71.22
						INVOICE TOTAL:		284.88
						VENDOR TOTAL:		284.88
HOMECLEA	HOME CLEANING CENTERS -AMERICA							
9730	03/01/20	01	CLEANING SERVICES-MARCH 2020	01-67-4-630 CLEANING SERVICE			04/07/20	1,768.00
						INVOICE TOTAL:		1,768.00
						VENDOR TOTAL:		1,768.00
INGALLSO	INGALLS OCC. HEALTH LBX #27678							
287218	03/03/20	01	JONES: CDL RANDOM BREATHILYZER	01-55-4-647 CDL DRUG AND ALCOHOL TESTS			04/07/20	20.00
						INVOICE TOTAL:		20.00
287415	03/03/20	01	PRE-EMPLOYMENT PHYSICALS	01-49-4-636 PRE-EMPLOYMENT PHYSICALS			04/07/20	879.00
						INVOICE TOTAL:		879.00
						VENDOR TOTAL:		899.00
KONICA	KONICA MINOLTA							

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INVOICE # / VENDOR #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
KONICA KONICA MINOLTA								
9006584708	03/08/20	01	VH MAINTENANCE 3/8/20-4/7/20	01-43-6-670 OFFICE EQUIPMENT MAINTENAN			04/07/20	425.00
						INVOICE TOTAL:		425.00
						VENDOR TOTAL:		425.00
LOUSGLOV LOU'S GLOVES INC.								
033679	03/11/20	01	GLOVES	01-49-3-622 EMS EQUIPMENT & SUPPLIES			04/07/20	234.13
						INVOICE TOTAL:		234.13
						VENDOR TOTAL:		234.13
M.E.SIMP M.E. SIMPSON COMPANY, INC.								
34512	12/18/19	01	2425 DUNDONALD-H2O METER TEST	08-11-6-673 LARGE METER TESTING AND RE			04/07/20	27.52
		02	2425 DUNDONALD-H2O METER TEST	08-21-6-673 LARGE METER TESTING AND RE				27.53
						INVOICE TOTAL:		55.05
34834	02/29/20	01	LEAK DETECTION: 1257 OAKMONT	08-11-4-632 LEAK DETECTION PROGRAM			04/07/20	475.00
						INVOICE TOTAL:		475.00
						VENDOR TOTAL:		530.05
NMARTINE NICOLAS MARTINEZ								
#Vof_2	02/24/20	01	BKL HIST MONTH WINDOWS	01-41-4-653 MARKETING PROGRAMS			03/17/20	300.00
						INVOICE TOTAL:		300.00
						VENDOR TOTAL:		300.00
MATSONAL ALLISON MATSON								
031720	03/17/20	01	GO TO MEETING ANNUAL FEE	01-42-4-630 PROFESSIONAL SERVICES			04/07/20	200.40
						INVOICE TOTAL:		200.40
						VENDOR TOTAL:		200.40

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INVOICE # VENDOR #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
MENARDHM MENARD'S-HOMEWOOD								
79882	02/19/20	01	DPW: SINK DRAIN REPAIR PARTS	01-67-3-620 REPAIR SUPPLIES			04/07/20	3.68
						INVOICE TOTAL:		3.68
81688	03/17/20	01	DPW LIGHT REPAIR @VOLLMER PUMP	08-11-6-677 WATER FACILITY MAINTENANCE			04/07/20	123.88
						INVOICE TOTAL:		123.88
						VENDOR TOTAL:		127.56
MENARDS MENARDS								
21752	03/11/20	01	DPW - THERMOSTAT FOR FD	01-67-3-605 OPERATING SUPPLIES			04/07/20	15.99
						INVOICE TOTAL:		15.99
21753	03/11/20	01	DPW - ALLEN WRENCH SET	08-21-3-605 OPERATING SUPPLIES			04/07/20	4.49
						INVOICE TOTAL:		4.49
21935	03/13/20	01	DPW - PLYWOOD	08-11-6-675 WATER SYSTEM MAINT & REPAI			04/07/20	98.68
						INVOICE TOTAL:		98.68
22058	03/16/20	01	BUTTERFIELD LIFT STA:LIGHT REP	08-21-6-677 SEWER SYSTEM MAINTENANCE			04/07/20	221.27
						INVOICE TOTAL:		221.27
22158	03/17/20	01	DPW: BALLASTS & LIGHT BULBS	01-67-3-620 REPAIR SUPPLIES			04/07/20	216.82
						INVOICE TOTAL:		216.82
22249	03/18/20	01	PLEXIGLASS FOR VH FRONT DESK	01-67-3-620 REPAIR SUPPLIES			04/07/20	539.96
						INVOICE TOTAL:		539.96
						VENDOR TOTAL:		1,097.21

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INVOICE # / VENDOR #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
MENARDTP MENARDS - TINLEY PARK STORE								
81879	03/04/20	01	DISINFECTANT WIPES & SPRAY	01-67-3-616 CLEANING SUPPLIES			04/07/20	130.96
						INVOICE TOTAL:		130.96
						VENDOR TOTAL:		130.96
MES-ILLI MES-ILLINOIS								
IN435265	03/09/20	01	PPV FAN & SUPER VACUUM	01-49-3-615 SMALL TOOLS & EQUIPMENT			04/07/20	3,821.00
						INVOICE TOTAL:		3,821.00
						VENDOR TOTAL:		3,821.00
MINERELE MINER ELECTRONICS CORP								
100560	03/02/20	01	RADIO SYSTEM MAINTENANCE	01-50-6-676 RADIO SYSTEM MAINTENANCE			04/07/20	94.80
						INVOICE TOTAL:		94.80
						VENDOR TOTAL:		94.80
MONARCH MONARCH AUTO SUPPLY INC								
6981488173	03/12/20	01	PD#114: HUB ASSEMBLY REPAIR	01-48-6-671 VEHICLE MAINTENANCE & SUPP			04/07/20	198.19
						INVOICE TOTAL:		198.19
6981488638	03/18/20	01	HEADLIGHT SQUAD #114	01-48-6-671 VEHICLE MAINTENANCE & SUPP			04/07/20	30.98
						INVOICE TOTAL:		30.98
						VENDOR TOTAL:		229.17
MUNICSYS MUNICIPAL SYSTEMS INC.								
18769	03/04/20	01	MOVE/ABC FEBRUARY 2020	01-44-4-646 LOCAL ADJUDICATION SERVICE			04/07/20	300.00
						INVOICE TOTAL:		300.00

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INVOICE # / VENDOR #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
MUNICSYS MUNICIPAL SYSTEMS INC.								
18770	03/04/20	01	MUNICIPAL OFFENSE SYSTEM	01-44-4-646 LOCAL ADJUDICATION SERVICE			04/07/20	325.00
						INVOICE TOTAL:		325.00
						VENDOR TOTAL:		625.00
NOEASTMR NORTH EAST MULTI-REGIONAL								
271599	03/16/20	01	KAUSAL: TRAINING 3/3-3/5/20	01-48-5-661 TRAINING			04/07/20	400.00
						INVOICE TOTAL:		400.00
						VENDOR TOTAL:		400.00
ORRASSOC KATHLEEN FIELD ORR & ASSOCIATE								
APRIL 2020	04/01/20	01	VILLAGE ATTY RETAINER APRIL 20	01-44-4-630 VILLAGE ATTORNEY RETAINER			04/07/20	10,300.00
						INVOICE TOTAL:		10,300.00
						VENDOR TOTAL:		10,300.00
PINKERTO PINKERTON OIL								
385849	02/06/20	01	FUEL	01-60-3-608 PETROLEUM PRODUCTS			04/07/20	276.89
		02	FUEL	08-11-3-608 PETROLEUM PRODUCTS				128.63
		03	FUEL	08-21-3-608 PETROLEUM PRODUCTS				128.63
		04	FUEL	01-49-3-608 PETROLEUM PRODUCTS				81.31
						INVOICE TOTAL:		615.46
385850	02/06/20	01	VILLAGE GAS	01-55-3-608 PETROLEUM PRODUCTS			04/07/20	23.78
		02	VILLAGE GAS	01-60-3-608 PETROLEUM PRODUCTS				115.71

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INVOICE # VENDOR #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
PINKERTO PINKERTON OIL								
385850	02/06/20	03	VILLAGE GAS	08-11-3-608 PETROLEUM PRODUCTS			04/07/20	101.60
		04	VILLAGE GAS	08-21-3-608 PETROLEUM PRODUCTS				72.44
		05	VILLAGE GAS	01-42-3-608 PETROLEUM PRODUCTS				41.78
		06	VILLAGE GAS	01-48-3-608 PETROLEUM PRODUCTS				619.77
		07	VILLAGE GAS	01-49-3-608 PETROLEUM PRODUCTS				140.95
		08	VILLAGE GAS	01-53-3-608 PETROLEUM PRODUCTS				24.64
						INVOICE TOTAL:		1,140.67
386681	02/13/20	01	DPW DIESEL TANK	01-60-3-608 PETROLEUM PRODUCTS			04/07/20	299.91
		02	DPW DIESEL TANK	08-11-3-608 PETROLEUM PRODUCTS				146.27
		03	DPW DIESEL TANK	08-21-3-608 PETROLEUM PRODUCTS				146.27
		04	DPW DIESEL TANK	01-49-3-608 PETROLEUM PRODUCTS				89.27
						INVOICE TOTAL:		681.72
386682	02/13/20	01	VILLAGE GAS	01-55-3-608 PETROLEUM PRODUCTS			04/07/20	37.14
		02	VILLAGE GAS	01-60-3-608 PETROLEUM PRODUCTS				115.10
		03	VILLAGE GAS	08-11-3-608 PETROLEUM PRODUCTS				135.78
		04	VILLAGE GAS	08-21-3-608 PETROLEUM PRODUCTS				110.98
		05	VILLAGE GAS	01-48-3-608 PETROLEUM PRODUCTS				761.15

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PINKERTO PINKERTON OIL								
386682	02/13/20	06	VILLAGE GAS	01-49-3-608 PETROLEUM PRODUCTS			04/07/20	59.99
		07	VILLAGE GAS	01-53-3-608 PETROLEUM PRODUCTS				35.44
						INVOICE TOTAL:		1,255.58
387298	02/19/20	01	FUEL	01-55-3-608 PETROLEUM PRODUCTS			04/07/20	58.14
		02	FUEL	01-60-3-608 PETROLEUM PRODUCTS				118.89
		03	FUEL	08-11-3-608 PETROLEUM PRODUCTS				78.98
		04	FUEL	08-21-3-608 PETROLEUM PRODUCTS				65.96
		05	FUEL	01-42-3-608 PETROLEUM PRODUCTS				40.28
		06	FUEL	01-48-3-608 PETROLEUM PRODUCTS				639.07
		07	FUEL	01-49-3-608 PETROLEUM PRODUCTS				56.78
		08	FUEL	01-53-3-608 PETROLEUM PRODUCTS				26.66
						INVOICE TOTAL:		1,084.76
387299	02/19/20	01	DIESEL TANK	01-60-3-608 PETROLEUM PRODUCTS			04/07/20	329.86
		02	DIESEL TANK	08-11-3-608 PETROLEUM PRODUCTS				160.60
		03	DIESEL TANK	08-21-3-608 PETROLEUM PRODUCTS				160.60
		04	DIESEL TANK	01-49-3-608 PETROLEUM PRODUCTS				143.93
						INVOICE TOTAL:		794.99
						VENDOR TOTAL:		5,573.18

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INVOICE # / VENDOR #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
RAYOHERR RAY O'HERRON CO INC								
2014600IN	03/11/20	01	MORRIS: T-SHIRTS	01-48-3-612 UNIFORMS & RELATED SUPPLIE			04/07/20	99.52
						INVOICE TOTAL:		99.52
						VENDOR TOTAL:		99.52
RUSSOPOW RUSSO POWER EQUIPMENT								
SPI10124255	03/19/20	01	OIL & DRIVE SHAFT FOR CHAINSAW	01-60-6-671 MAINTENANCE AND SUPPLIES			04/07/20	49.98
						INVOICE TOTAL:		49.98
						VENDOR TOTAL:		49.98
SECRETAR SECRETARY OF STATE								
031620	03/16/20	01	MGR 03: LICENSE PLATE STICKER	01-42-6-671 VEHICLE MAINTENANCE & SUPP			04/07/20	151.00
						INVOICE TOTAL:		151.00
						VENDOR TOTAL:		151.00
SHARK SHARK SHREDDING INC.								
45467	03/09/20	01	EXECUTIVE SHREDDING	01-42-4-634 OTHER MISCELLANEOUS SERVIC			04/07/20	27.50
		02	POLICE SHREDDING	01-48-3-611 SPECIAL POLICE COMMODITIES				77.50
						INVOICE TOTAL:		105.00
						VENDOR TOTAL:		105.00
SOUTHOAK SOUTH OAK DODGE								
1513131	03/10/20	01	OIL HOSE REPAIR MGR03	01-42-6-671 VEHICLE MAINTENANCE & SUPP			04/07/20	52.44
						INVOICE TOTAL:		52.44
						VENDOR TOTAL:		52.44

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INVOICE # VENDOR #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
STATECHE STATE INDUSTRIAL PRODUCTS CORP								
901308847	12/23/19	01	CLEANER & DISINFECTANT	01-49-3-616 CLEANING SUPPLIES			04/07/20	415.16
						INVOICE TOTAL:		415.16
901393139	02/27/20	01	FLOOR CLEANER	01-49-3-616 CLEANING SUPPLIES			04/07/20	139.10
						INVOICE TOTAL:		139.10
901421567	03/16/20	01	HAND SOAP	01-49-3-616 CLEANING SUPPLIES			04/07/20	359.52
						INVOICE TOTAL:		359.52
901422527	03/17/20	01	STATE POWER DC/BKT EQUIP	01-49-3-616 CLEANING SUPPLIES			04/07/20	230.00
						INVOICE TOTAL:		230.00
901422529	03/17/20	01	DISINFECTANT SPRAY BOTTLE	01-49-3-616 CLEANING SUPPLIES			04/07/20	6.42
						INVOICE TOTAL:		6.42
901429575	03/20/20	01	DISINFECTANT/CLEANERS	01-49-3-616 CLEANING SUPPLIES			04/07/20	230.00
						INVOICE TOTAL:		230.00
						VENDOR TOTAL:		1,380.20
STRAND STRAND ASSOCIATES, INC								
0158321	03/11/20	01	SERVICES 2/1/20 - 2/29/20	08-11-7-771 WATER SUPPLY FEASIBILITY S			04/07/20	24,472.51
						INVOICE TOTAL:		24,472.51
						VENDOR TOTAL:		24,472.51
SWENEY SWENEY ELECTRIC COMPANY INC.								
44890	03/12/20	01	CO2 MONITOR AT PD GARAGE	01-67-6-678 BUILDING REPAIRS			04/07/20	1,627.61
						INVOICE TOTAL:		1,627.61
						VENDOR TOTAL:		1,627.61

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INVOICE # VENDOR #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
AMAZON SYNCB/AMAZON								
463964953798	03/06/20	01	DPW ID BADGE HOLDERS	01-60-3-601 OFFICE SUPPLIES			04/07/20	11.98
						INVOICE TOTAL:		11.98
465589386753	03/03/20	01	REPLACE WALL CHARGER FOR PHONE	01-60-3-601 OFFICE SUPPLIES			04/07/20	11.99
						INVOICE TOTAL:		11.99
477879698879	03/05/20	01	PRINTING SUPPLIES	01-55-3-605 OPERATING SUPPLIES			04/07/20	145.00
						INVOICE TOTAL:		145.00
478577585335	02/16/20	01	CAGLE: DOOR STOP	01-48-3-612 UNIFORMS & RELATED SUPPLIE			04/07/20	11.95
						INVOICE TOTAL:		11.95
543489889556	03/03/20	01	REPLACE CAR CHARGERS FOR PHONE	01-60-3-601 OFFICE SUPPLIES			04/07/20	30.87
						INVOICE TOTAL:		30.87
638584744848	02/16/20	01	CAGLE: BOOTS	01-48-3-612 UNIFORMS & RELATED SUPPLIE			04/07/20	209.95
		02	VIDEO ADAPTER CABLER	01-48-3-615 SMALL TOOLS & EQUIPMENT				9.59
						INVOICE TOTAL:		219.54
685336646634	02/28/20	01	DPW-SERVICE CALL BOOKS	01-55-3-605 OPERATING SUPPLIES			04/07/20	19.84
						INVOICE TOTAL:		19.84
747789993489	02/15/20	01	COFFEE BREWER	01-48-3-615 SMALL TOOLS & EQUIPMENT			04/07/20	238.99
						INVOICE TOTAL:		238.99
856465468698	02/28/20	01	BRUNKE SAFETY SHOES	08-11-3-618 SAFETY EQUIPMENT & SUPPLIE			04/07/20	57.47

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INVOICE # / VENDOR #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
AMAZON SYNCB/AMAZON								
856465468698	02/28/20	02	BRUNKE SAFETY SHOES	08-21-3-618 SAFETY EQUIPMENT & SUPPLIE			04/07/20	57.48
						INVOICE TOTAL:		114.95
874866993985	02/20/20	01	YAKTRAX RETURN	01-42-3-605 OPERATING SUPPLIES			04/07/20	-17.16
						INVOICE TOTAL:		-17.16
						VENDOR TOTAL:		787.95
T.R.L. T.R.L. TIRE SERVICE CORP								
273375	02/05/20	01	TIRE REPAIR	01-60-6-671 MAINTENANCE AND SUPPLIES			04/07/20	10.13
		02	TIRE REPAIR	07-01-6-671 MAINTENANCE AND SUPPLIES				10.13
		03	TIRE REPAIR	08-11-6-671 MAINTENANCE AND SUPPLIES				10.12
		04	TIRE REPAIR	08-21-6-671 MAINTENANCE AND SUPPLIES				10.12
						INVOICE TOTAL:		40.50
						VENDOR TOTAL:		40.50
THECOPFI THE COP FIRE SHOP								
200043	03/09/20	01	CAMILLI: PANTS	01-49-3-612 UNIFORMS & RELATED SUPPLIE			04/07/20	156.00
						INVOICE TOTAL:		156.00
						VENDOR TOTAL:		156.00
THE LOCK THE LOCKER SHOP								
OS71660	03/09/20	01	CAVARRETTA: PANTS & SHIRTS	01-49-3-612 UNIFORMS & RELATED SUPPLIE			04/07/20	99.00
						INVOICE TOTAL:		99.00
						VENDOR TOTAL:		99.00

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THOMWEST THOMSON REUTERS-WEST								
841917010	03/01/20	01	INFORMATION CHARGES FEB 2020	01-48-4-630 PROFESSIONAL SERVICES			04/07/20	289.41
						INVOICE TOTAL:		289.41
						VENDOR TOTAL:		289.41
UDOS UDO'S PROFESSIONAL CAR WASH								
214	03/05/20	01	PD FEB 2020 CAR WASH	01-48-6-671 VEHICLE MAINTENANCE & SUPP			04/07/20	119.50
						INVOICE TOTAL:		119.50
						VENDOR TOTAL:		119.50
VANDRUNE VAN DRUNEN FORD CO								
FOCB66895	03/12/20	01	ACCIDENT REPAIR OF PD VEH#217	01-48-6-671 VEHICLE MAINTENANCE & SUPP			04/07/20	721.37
						INVOICE TOTAL:		721.37
						VENDOR TOTAL:		721.37
VILHMD VILLAGE OF HOMEWOOD								
9463	03/03/20	01	HOMEWOOD WATER	08-11-4-635 HOMEWOOD-LAKE MICHIGAN WAT			04/07/20	104,645.21
		02	HOMEWOOD WATER	08-11-4-636 HOMEWOOD-OPER & MTCE CHARG				5,000.00
						INVOICE TOTAL:		109,645.21
						VENDOR TOTAL:		109,645.21
WALTS WALT'S FOOD CENTER								
8503	03/13/20	01	CLEANING SUPPLIES	01-48-3-611 SPECIAL POLICE COMMODITIES			04/07/20	13.86
						INVOICE TOTAL:		13.86
						VENDOR TOTAL:		13.86

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INVOICE # / VENDOR #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
WESTSTRA WEST SIDE TRACTOR SALES								
S81131	03/10/20	01	SMALL PARTS FOR TRACTOR	01-60-6-671 MAINTENANCE AND SUPPLIES			04/07/20	59.43
		02	SMALL PARTS FOR TRACTOR	07-01-6-671 MAINTENANCE AND SUPPLIES				59.44
		03	SMALL PARTS FOR TRACTOR	08-11-6-671 MAINTENANCE AND SUPPLIES				59.44
		04	SMALL PARTS FOR TRACTOR	08-21-6-671 MAINTENANCE AND SUPPLIES				59.44
						INVOICE TOTAL:		237.75
						VENDOR TOTAL:		237.75
WORKING FRANCISCAN HEALTH DYER&HAMMOND								
0031702000	02/29/20	01	JACKSON: CROSSING GUARD	01-48-4-636 PRE-EMPLOYMENT PHYSICALS			04/07/20	68.00
						INVOICE TOTAL:		68.00
0032701900	02/29/20	01	DOOLEY - DRUG SCREEN	01-48-4-636 PRE-EMPLOYMENT PHYSICALS			04/07/20	68.00
						INVOICE TOTAL:		68.00
						VENDOR TOTAL:		136.00
ZFORCE Z-FORCE TRANSPORTATION, INC.								
20173638	03/13/20	01	STOCK STONE DELIVERY	08-11-6-675 WATER SYSTEM MAINT & REPAI			04/07/20	160.13
		02	STOCK STONE DELIVERY	08-13-3-619 PROGRAM COMMODITIES				160.13
						INVOICE TOTAL:		320.26
20173639	03/13/20	01	STOCK STONE DELIVERY	08-11-6-675 WATER SYSTEM MAINT & REPAI			04/07/20	165.71
		02	STOCK STONE DELIVERY	08-13-3-619 PROGRAM COMMODITIES				165.70
						INVOICE TOTAL:		331.41

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ZFORCE	Z-FORCE TRANSPORTATION, INC.							
20173759	03/25/20	01	CREDIT FOR TAX	08-11-6-675 WATER SYSTEM MAINT & REPAI			04/07/20	-20.78
		02	CREDIT FOR TAX	08-13-3-619 PROGRAM COMMODITIES				-20.77
						INVOICE TOTAL:		-41.55
						VENDOR TOTAL:		610.12
						TOTAL ALL INVOICES:		214,296.23

VILLAGE OF FLOSSMOOR
MANUAL CHECK REGISTER

CHECK #	VENDOR # / INVOICE #		INVOICE DATE	ITEM #	DESCRIPTION	CHECK DATE	ACCOUNT #	ITEM AMT	
71495	COMCAST3	COMCAST				03/19/20			
	0001666 030620		03/06/20	01	VH INTERNET		01-42-4-639	243.35	
				02	DPW INTERNET		01-55-6-673	108.35	
							INVOICE TOTAL:	351.70 *	
							CHECK TOTAL:		351.70
71496	SAMSCLU	SAM'S CLUB/SYNCHRONY BANK				03/19/20			
	020320		02/03/20	01	PD: PENS/BINDERS/ENVELOPES		01-48-3-601	77.56	
							INVOICE TOTAL:	77.56 *	
	020420		02/04/20	01	PD: SCISSORS/PLATES/FORKS		01-48-3-611	37.44	
							INVOICE TOTAL:	37.44 *	
							CHECK TOTAL:		115.00
71497	PETTYPOL	PETTY CASH (PD)				03/23/20			
	031820		03/18/20	01	REPLENISH PETTY CASH		01-48-3-611	47.22	
				02	REPLENISH PETTY CASH		01-48-4-630	21.00	
				03	REPLENISH PETTY CASH		01-48-5-661	80.00	
				04	REPLENISH PETTY CASH		01-48-5-665	46.00	
				05	REPLENISH PETTY CASH		01-48-6-671	5.00	
							INVOICE TOTAL:	199.22 *	
							CHECK TOTAL:		199.22
							TOTAL AMOUNT PAID:		665.92

INVOICES DUE ON/BEFORE 04/07/2020

VENDOR #	NAME	PAID THIS FISCAL YEAR	AMOUNT DUE
AIRGASUS	AIRGAS USA, LLC	1,351.97	197.74
AIRONEEQ	AIR ONE EQUIPMENT INC	17,744.32	1,925.50
AMAZON	SYNCB/AMAZON	13,844.16	787.95
AMERPRIN	AMERICAN PRINTING TECHNOLOGIES	2,046.08	8,180.01
ANDRESME	ANDRES MEDICAL BILLING, LTD	16,820.47	1,643.90
BCBSILL	BLUE CROSS BLUE SHIELD OF IL	3,467.50	301.15
BENISTAR	BENISTAR/UA-6803	19,145.00	1,804.00
BERGSTEI	BERGSTEIN'S NY DELICATESSEN	423.42	235.84
BORDUI	SCOTT BORDUI	1,146.26	52.90
BRITE	BRITE	245.00	800.00
BRUNOS	BRUNO'S TUCKPOINTING, INC.	0.00	4,970.00
CANONSOL	CANON SOLUTIONS AMERICA , INC.	13,015.77	150.20
CARLILE	CARLILE GROUP	4,960.00	3,653.29
CDW-G	CDW GOVERNMENT, INC.	92,293.09	217.28
CLARKBAI	CLARK BAIRD SMITH LLP	24,677.50	802.50
COM4015	COMED	6,801.23	607.24
COM4037	COMED	883.59	138.62
COM5073	COMED	511.60	57.64
COPSTEST	C.O.P.S. TESTING SERVICE INC.	0.00	1,630.00
CORE	CORE INTEGRATED MARKETING	300.16	85.00
CORE&MAI	CORE & MAIN LP	36,393.84	68.63
CREATIVE	CREATIVE PRODUCT SOURCING, INC	1,180.42	648.56
CROSSMAR	CROSSMARK PRINTING, INC.	9,107.61	2,166.92
CRUSOR	RICHARD G. CRUSOR, JR.	4,560.00	195.00
CURRENT	CURRENT TECHNOLOGIES CORP	58,853.55	310.00
DIRECTFI	DIRECT FITNESS SOLUTIONS	236.00	843.75
DYNEGY	DYNEGY ENERGY SERVICES	41,395.09	4,532.16
EAGLEUNI	EAGLE UNIFORM CO INC	12,965.04	18.00
EBELSACE	EBEL'S ACE HARDWARE	1,574.28	5.02
ESO	ESO SOLUTIONS INC.	0.00	163.77
EXPERT	EXPERT CHEMICAL & SUPPLY INC	8,651.93	2,403.04
FRONTLIN	FRONTLINE PUB SAFETY SOLUTIONS	1,900.00	1,000.00
GALLS	GALLS, LLC	3,921.06	167.94
GASVODA	GASVODA & ASSOCIATES INC	2,202.95	2,074.50
GBJSALES	GBJ SALES, LLC	178.80	93.00
HARVARD	HARVARD COLLECTION	602.61	197.86
HARVEYCE	HARVEY CEMENT PRODUCTS INC	0.00	309.60
HISKES	HISKES, DILLNER, O'DONNELL,	4,318.75	3,810.40
HOLLANDP	HOLLAND PRINTING INC	6,184.85	284.88
HOMECLEA	HOME CLEANING CENTERS -AMERICA	18,100.00	1,768.00
INGALLSO	INGALLS OCC. HEALTH LBX #27678	10,485.00	899.00
KONICA	KONICA MINOLTA	4,675.00	425.00
LOUSGLOV	LOU'S GLOVES INC.	1,016.70	234.13
M.E.SIMP	M.E. SIMPSON COMPANY, INC.	59,827.63	530.05

INVOICES DUE ON/BEFORE 04/07/2020

VENDOR #	NAME	PAID THIS FISCAL YEAR	AMOUNT DUE
MATSONAL	ALLISON MATSON	3,551.05	200.40
MENARDHM	MENARD'S-HOMEWOOD	4,801.20	127.56
MENARDS	MENARDS	3,452.68	1,097.21
MENARDTP	MENARDS - TINLEY PARK STORE	0.00	130.96
MES-ILLI	MES-ILLINOIS	1,582.19	3,821.00
MINERELE	MINER ELECTRONICS CORP	2,875.48	94.80
MONARCH	MONARCH AUTO SUPPLY INC	11,798.98	229.17
MUNICSYS	MUNICIPAL SYSTEMS INC.	6,875.00	625.00
NMARTINE	NICOLAS MARTINEZ	500.00	300.00
NOEASTMR	NORTH EAST MULTI-REGIONAL	4,400.00	400.00
ORRASSOC	KATHLEEN FIELD ORR & ASSOCIATE	113,300.00	10,300.00
PINKERTO	PINKERTON OIL	87,409.32	5,573.18
RAYOHERR	RAY O'HERRON CO INC	7,801.69	99.52
RUSSOPOW	RUSSO POWER EQUIPMENT	10,783.28	49.98
SECRETAR	SECRETARY OF STATE	119.00	151.00
SHARK	SHARK SHREDDING INC.	1,155.00	105.00
SOUTHOAK	SOUTH OAK DODGE	2,840.00	52.44
STATECHE	STATE INDUSTRIAL PRODUCTS CORP	1,108.91	1,380.20
STRAND	STRAND ASSOCIATES, INC	25,027.49	24,472.51
SWENEY	SWENEY ELECTRIC COMPANY INC.	7,075.40	1,627.61
T.R.L.	T.R.L. TIRE SERVICE CORP	9,508.90	40.50
THE LOCK	THE LOCKER SHOP	5,007.00	99.00
THECOPFI	THE COP FIRE SHOP	1,430.50	156.00
THOMWEST	THOMSON REUTERS-WEST	4,304.61	289.41
UDOS	UDO'S PROFESSIONAL CAR WASH	828.00	119.50
VANDRUNE	VAN DRUNEN FORD CO	12,167.92	721.37
VILHMD	VILLAGE OF HOMEWOOD	1,174,598.96	109,645.21
WALTS	WALT'S FOOD CENTER	245.43	13.86
WESTSTRA	WEST SIDE TRACTOR SALES	0.00	237.75
WORKING	FRANCISCAN HEALTH DYER&HAMMOND	5,450.00	136.00
ZFORCE	Z-FORCE TRANSPORTATION, INC.	1,591.57	610.12
	TOTAL ALL VENDORS:		214,296.23