

VILLAGE OF THIENSVILLE
COMMITTEE OF THE WHOLE
AGENDA

DATE: Monday, September 13, 2021

LOCATION: 250 Elm Street
Fire Department Training Room
Thiensville, WI

Time: 6:00 PM

I. CALL TO ORDER

II. ROLL CALL

President: Van Mobley

Trustees: Jennifer Abraham Angelina Apostolos
(excused) Kristina Eckert

Rob Holyoke Kenneth Kucharski
David Lange

Administrator: Colleen Landisch-Hansen

Staff: Police Chief Curt Kleppin

Fire Chief Brian Reiels

Director of Community Services/Public Works Andy LaFond

Village Clerk/Deputy Treasurer Amy L. Langlois

III. OATH OF OFFICE TO VILLAGE OFFICIALS

A. Police Officer Nicholas Schmit

B. Police Officer Brandon Rogers

C. Motion To Take A 15-Minute Break For A Welcoming Reception

IV. CITIZENS TO BE HEARD

Open to any resident or taxpayer on items not subject to a public hearing: Please be advised per Wis. Stats. 19.84(2), information will be received from the public. Village policy limits a three (3) minute time period per person, with time extension by the presiding official's discretion or a vote of 2/3 of the Board or Committee; be further advised that there may be limited discussion on the information received, however, no action will be taken under public comments. Written comments on agenda items are encouraged to be sent and addressed to the intended body by noon on the day of the meeting. Comments received timely will be forwarded to all members of the body. If you wish to speak, you **must** pre-register by emailing the Village Clerk at alanglois@village.thiensville.wi.us by 4:00 PM on the day of the meeting or by signing up

immediately prior to the meeting.

V. BUSINESS

- A. I-43 DOT Project Update And Presentation By Timothy Anheuser
- B. Presentation Of Sanitary Sewer Study And 5-Year Sanitary Sewer CIP, Jerad Wegner, Ruekert-Mielke

Documents:

[R-M - THIENSVILLE CIP.PDF](#)

- C. Update Regarding Lionfest 2022, Jim Doornek, Thiensville-Mequon Lions Club
- D. Review And Recommendation Regarding Amended Temporary Class B Beer And Class B Wine License, Thiensville-Mequon Lions Club, To Include Applefest, Sunday, October 3, 2021, 8:00 AM To 6:00 PM, Village Park, 251 Elm Street
- E. Frank L. Weyenberg Library Of Mequon-Thiensville Update, Rachel Muchin Young, Library Director
- F. Review And Recommendation Regarding A Resolution Adopting An Updated Mid-Moraine Municipal Court Bond Schedule For Village Ordinance Citations
- G. Review And Recommendation Regarding Resolution 2021-07 Authorizing Urban Forestry Grant And Urban Forestry Catastrophic Storm Grant Programs

Documents:

[RESOLUTION 2021-07.PDF](#)

- H. Review And Recommendation Of A Contract With Grota Appraisals, LLC For The Years 2022-2024, For Annual Assessor Fees In The Amount Of \$6,600 And Annual Reassessment Fees In The Amount Of \$7,560

Documents:

[GROTA.PDF](#)

- I. Discussion Regarding Road Program
- J. Update Regarding 2020 Census And Redistricting
- K. Update Regarding Open House To Share Details And Seek Input On The Future Of The Fire Department
- L. Discussion Regarding Street Lights In Residential Neighborhoods (Trustee Holyoke)
- M. Discussion Regarding Trash Cans, Recycle Bins (Trustee Kucharski)
- N. Review And Recommendation Regarding Application For Parade/Street Closing Application For Junior Woman's Club Of Mequon-Thiensville, Annual Turkey Trot, Thursday, November 25, 2021, 7:00 AM To 11:00 AM

Documents:

[STREET CLOSING APPLICATION.PDF](#)

- O. Review And Recommendation Regarding:

1. Operator's License - New:

- a. Prime Minister Restaurant
Joy Michelle Booth Ludford

VI. MISCELLANEOUS BUSINESS BY TRUSTEES AS MAY PROPERLY BE BROUGHT BEFORE THE BOARD.

A. Acceptance/Report Of Gifts Received:

- 1. \$586.00 To Village Park Reimagined From Gathering On The Green, Inc.

B. Review Meeting Date Schedule:

September 27, 2021 - Board of Trustees at 6:00 PM

October 11, 2021 - 2022 Budget Work Session at 5:00 PM

October 11, 2021 - Committee of the Whole at 6:00 PM

October 13, 2021 - Employee and Volunteer Recognition Dinner at 6:00 PM

October 18, 2021 - Board of Trustees at 6:00 PM

VII. ADJOURNMENT

Amy L. Langlois, Village Clerk

September 10, 2021

Please advise the Thiensville Municipal Hall, 250 Elm Street (242-3720) at least 24 hours prior to the start of this meeting if you have disabilities and desire special accommodations.

Notice is hereby given that a quorum of the Village Board and/or Village Committees may be in attendance at this meeting to present, discuss and/or gather information about a subject over which they have decision-making responsibility, although they will not take any formal action thereto at this meeting.

September 8, 2021

Mr. Andy LaFond
Director of Community Services/Public Works
Village of Thiensville
250 Elm Street
Thiensville, Wisconsin 53092

Re: 5-Year Capital Improvement Plan

Dear Mr. LaFond:

INTRODUCTION

In 2019, the Village of Thiensville (Village) contracted Green Bay Pipe & TV, LLC to perform televising and inspection reports of the entire Village sanitary sewer system. In order to effectively monitor the internal conditions of a sewer system, televising inspections are used.

A waterproof camera that is specially made for inspection of sewer lines underground is mounted to a robot crawler which transmits live footage to a closed circuit television (CCTV) truck. The crawler is placed between two manholes and remotely driven from one manhole to the next so that operators can examine the entire length of the sewer line within the two manholes. The operator is able to pan and tilt the camera to allow for the operator to accurately obtain a full image and record of the sewer line.

Figure 1 - CTV Mounted Robot Crawler (image from multiVIEW Locates Inc.)



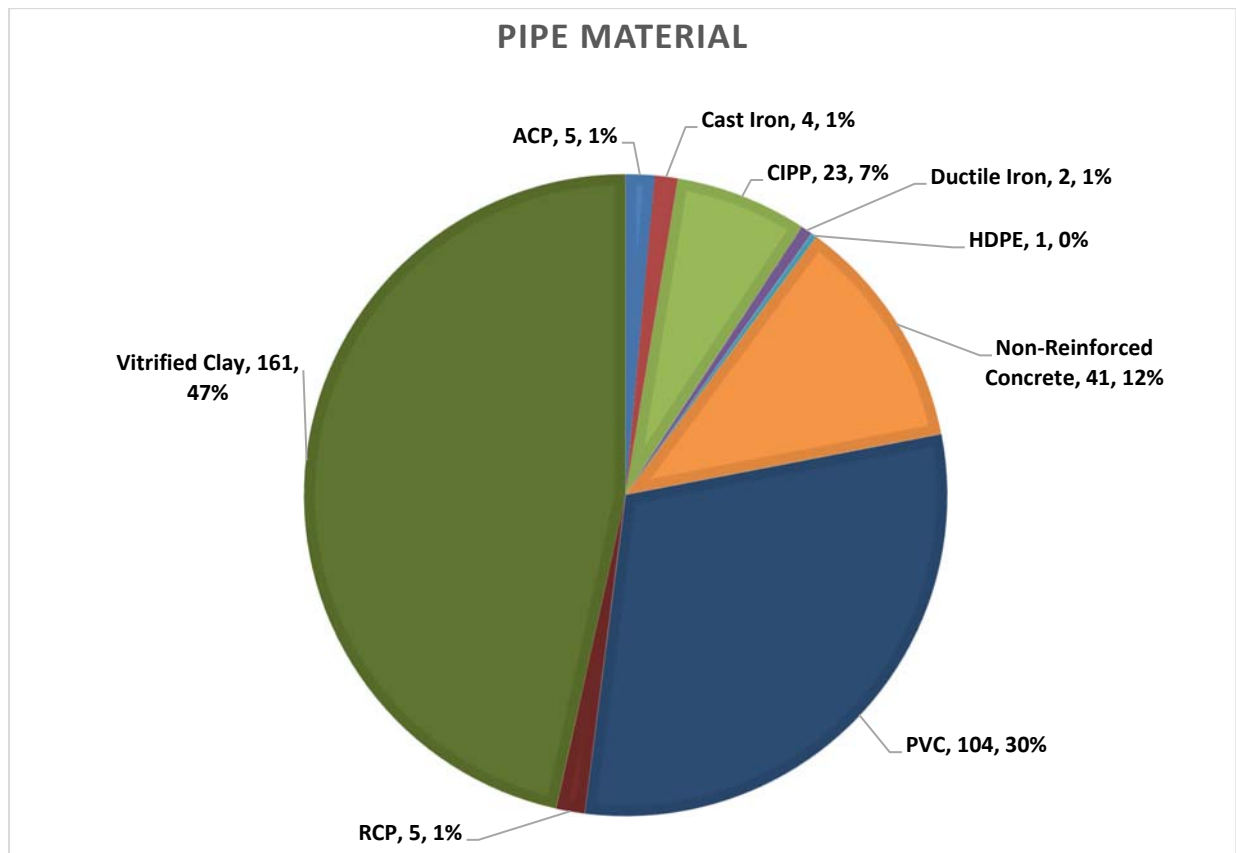
The purpose of televising sewer systems is to determine the condition of pipe segments and to analyze whether the conditions require cleaning, replacement, or a repair. The information provided from the televising inspection reports is critical in the development of an operation and maintenance program or to assist in the creation of a capital improvement plan.

The Village has an extensive sanitary sewer pipe network, requiring a significant amount of capital and operational investment to maintain. Ruekert & Mielke, Inc. (R/M) was requested by the Village to analyze the data obtained from the televising inspection reports from Green Bay Pipe & TV, LLC to develop a 5-year Capital Improvement Plan (CIP). The end result of this plan is to project the life and costs for the Village's sewer network and determine the practices and strategies that best meet the Village's needs.

HISTORY

Pipe Material

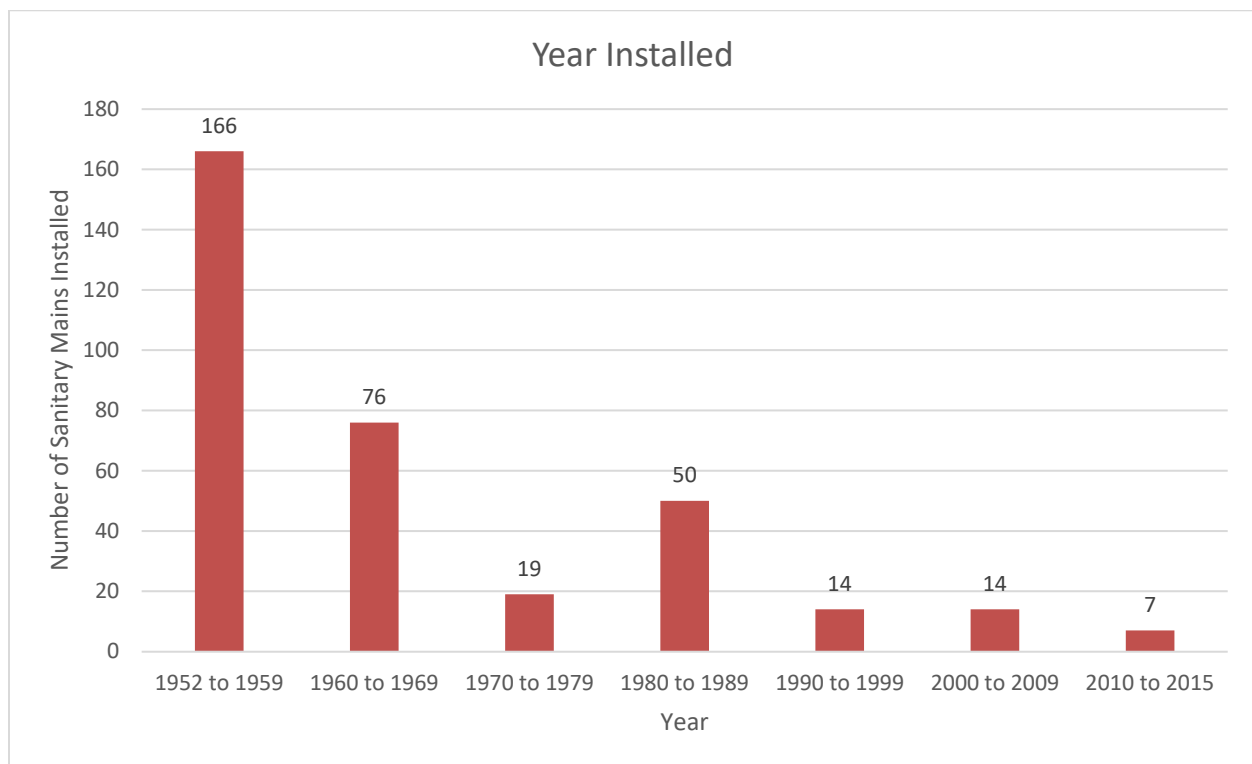
From an analysis of the pipe material data (cataloged in the Village GIS system) it was found that, of the 346 pipe segments, most of the segments were either polyvinyl chloride (PVC) or vitrified clay pipe (VCP). The remaining pipe materials were, non-reinforced concrete, cured-in-place pipe (CIPP), asbestos-cement pipe (ACP), reinforced concrete pipe (RCP), cast iron, ductile iron, or high density polyethylene (HDPE). The data for pipe material and number of pipe segments, received from the Village GIS system, is shown below.



~21-10023 Sanitary System 5 Year CIP > 100. Study > Reports > LaFond-20210908-Thiensville CIP.docx~

Year Installed

The data for year of pipe installed was taken from the Village GIS system. Records of the 346 sanitary sewer main segments, indicate pipe was installed between 1952 and 2015. The data shows that most of the pipe, 48%, was installed between 1952 to 1959 and 22% was installed between 1960 to 1969. The data for the year installed and number of pipe segments, received from the Village GIS system, is shown below.



Life Expectancy

The average life expectancy for sanitary sewer systems is dependent on multiple factors, with the main factor being pipe material. Since approximately 47% of the pipe segments were recorded as VCP and 30% as PVC, the focus was on these two materials.

Vitrified Clay Pipes (VCP)

Vitrified clay pipes (VCP) have been used in the United States as a sewer pipe since the early 1900s and were primarily installed until 1980, when PVC became widely used.

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The cause of failure in many VCPs is from the structural failure from expansive clay soils or the cracking of the pipe from root intrusion at joints, which may lead to susceptibility to infiltration. Maintenance is required throughout the life span of VCP for cleaning of root intrusions. (Life Cycle Assessment of PVC Water and Sewer Pipe and Comparative Sustainability Analysis of Pipe Materials, April 2017, Sustainable Solutions Corporation).

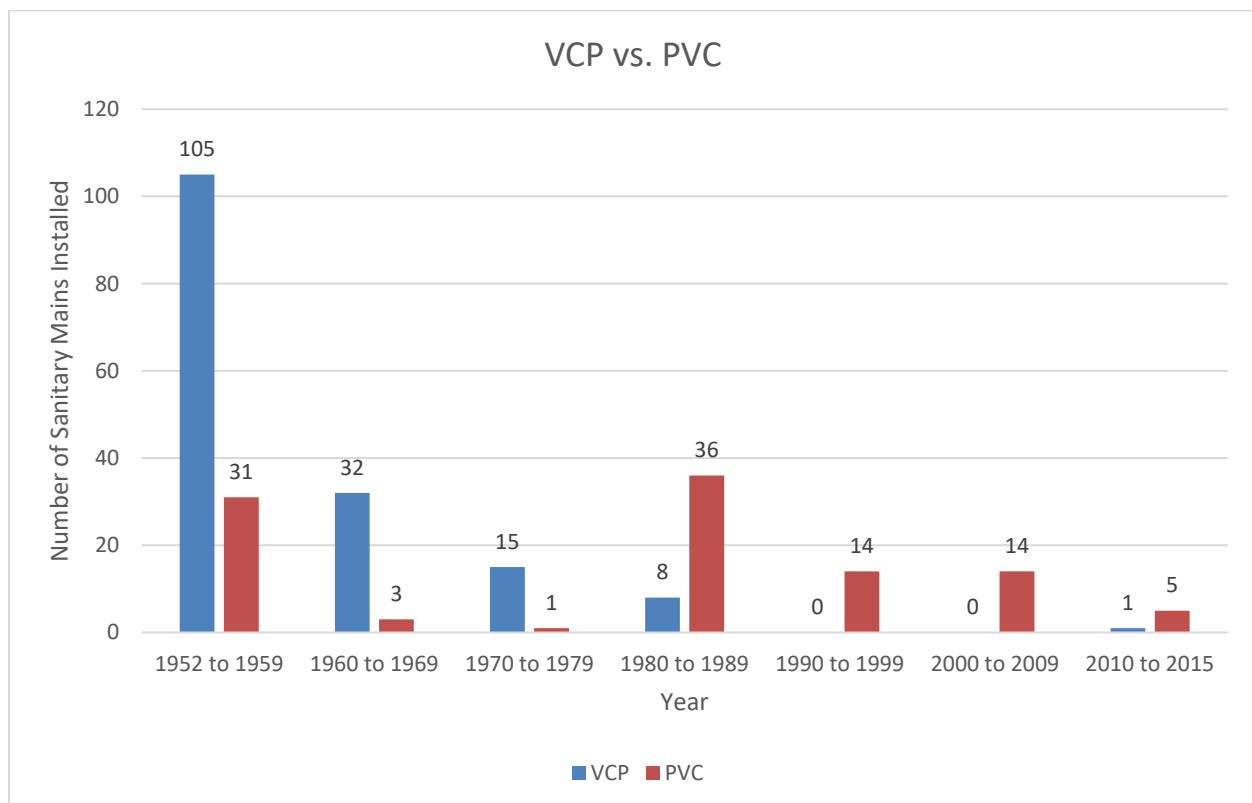
The estimated life expectancy for VCP is 50 to 60 years.

Polyvinyl Chloride (PVC)

In 1980 PVC began to become widely popular replacing many sewer systems that previously used VCP. The appeal of PVC came with its corrosion resistance, ability to protect against outside contaminants and react with chemicals, and overall low maintenance. In addition, PVC pipe is able to deform while resisting external loading prior to forming cracks or fractures.

The estimated life expectancy for PVC is 100-years.

Below is a graph demonstrating the data for VCP vs. PVC pipe segments for the year installed, received from the Village GIS system.



~21-10023 Sanitary System 5 Year CIP > 100. Study > Reports > LaFond-20210908-Thiensville CIP.docx~

MAINTENANCE

Structural Defects

Various structural defects are described as where the pipe is damaged or otherwise defective, and includes the following:

- Crack (C)
- Fracture (F)
- Broken (B)
- Hole (H)
- Deformed (D)
- Collapsed (X)
- Joint (J)
- Surface Damage (S)
- Lining Features (LF)

Concrete and clay pipe materials are most likely to exhibit cracks and fractures, and if left untreated, can turn into a broken pipe, holes, deformations, and eventually a collapsed pipe. A structural condition is not always considered failed from small fractures or cracks in rigid pipe.

Flexible materials (PVC) can also be cracked, fractured, broken, deformed, or collapsed, but tend to deform while resisting external loading prior to forming cracks or fractures.

The following photos in the report, were still photos taken from the Village sanitary sewer televising reports. These photos represent real defects that the Village's sanitary sewer system faces.

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Figure 2 - Hole in Pipe: Soil visible, external pipe or cable in sewer.



Figure 3 - Crack Multiple: 9 to 5



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Figure 4 - Lining Failure – Buckled: 12 to 2



Operation and Maintenance (O&M) Defects

Operation and Maintenance defects are described as various types of foreign objects that are found in pipes that may interfere with the operations of the conveyance system and include the following:

- Deposits – Settled, Attached, and Ingress (DA/DS/DN)
- Roots (R)
- Infiltration (I)

An important aspect of routine televising is to document the O&M defects and perform regular maintenance to extend the pipe systems' useful life. The rate of deterioration can be significantly impacted by O&M defects, and it is essential to develop a preventive maintenance program based on consistent televising documentation.

Figure 5 - Deposits Attached: Encrustation.



~21-10023 Sanitary System 5 Year CIP > 100. Study > Reports > LaFond-20210908-Thiensville CIP.docx~

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Construction Features

Various features and methods are used to construct and connect to existing pipes that result in defects and include the following:

- Tap (T)
- Intruding Seal Materials (IS)

Taps are used to connect the service pipe from a building to the main sewer and often at these connections possible defects include intrusion of the tap into the main sewer, gap, separation or loose seal, and infiltration, roots or debris accumulation at the connection.

Figure 6 – Defective Break-in Tap: Infiltration.



Figure 7 - Defective Tap: Roots



Infiltration & Inflow (I/I)

Groundwater that enters the sanitary sewer system from cracks, open joints, root intrusions, and faulty connections, is referred to as infiltration. In private sanitary sewer laterals this allows a pathway for clear water (not sanitary sewerage) to enter the public sanitary sewer system. In some cases, clear water is directly connected to the sanitary sewer systems, and this is known as inflow. Private sanitary sewer laterals may have inflow connections such as: roof drain downspouts, foundation drains, and sump pumps. Reducing I/I in private sanitary laterals will reduce the risk of basement backup events by diminishing the amount of clear water that would otherwise enter the public sanitary sewer system.

As described in the previous section, lateral tie-ins to the sanitary sewer system were commonly made using break-in taps. The disadvantage of using a break-in tap is that the connection from private laterals is not always watertight and allows a greater chance of I/I into the main system. Connections now are required to use wyes which allow watertight connections compared to clay break-in taps. Figure 6 shows a defective break-in tap with infiltration of clear water into the system. Leaks in private lateral break-in taps can vary from 0.01 gallons per minute (gpm) to 5 gpm. For a sanitary sewer system this amount of I/I from private connections can severely affect the performance of the system.

The public sanitary sewer system for the Village consists of approximately 53,306-feet of main. Connected to the public sanitary sewer main system, is an estimated 1,206 private sanitary laterals. Estimating 60-feet per private lateral amounts to 72,360-feet of private laterals, which is equal to 1.3-times the amount of public sanitary sewer main. Due to the higher amount of private laterals compared to the public sewer, I/I implications from private sources poses a significant risk to the performance of the public system.

5 YEAR CIP

Assessment

Once the televising inspection was completed, the overall condition grades for the segments were calculated in the Televising Inspection Reports. These overall condition grade calculations are essential as they can then be used to prioritize repairs, rehabilitation and operation and maintenance (O&M) activities and to develop a long-term plan. The condition grades are assigned to the two defect categories, structural and operation and maintenance (O&M), using a rating system from 1 to 5 (5 being the most significant defect grade) and the overall condition grades are calculated based on these two categories.

R/M assessed the provided Televising Inspection Reports, overall condition grades, and additional information on the Village GIS system, to develop a 5-year plan for the Village.

Maps

The overall condition grades used a rating system from 1 to 5, with 5 being the most significant defect grade, and R/M incorporated these results with the Village GIS to geographically show the most significant condition grades (4 & 5s). The map of the 4 & 5 overall condition grade segments can be found in Appendix 1.

The recommended 5-Year CIP plan is shown geographically in Appendix 3 with the locations of improvements needed.

Rehabilitation Techniques

Rehabilitation was determined by the defects listed from the Televising Inspection Reports. Based on the type of defects and length of defects associated with the pipe segments, rehabilitation techniques could be estimated.

The following were the rehabilitation techniques used for projected budgeting:

- Open Cut
- Chemical Grout
- Flood Grout
- Pipe Burst
- Spot Repair
- Spot Liner
- T-Liner

Recommendations

Recommendations for sanitary sewer improvements were based on the overall condition grades, rehabilitation type, and segment locations. The overall condition grades used a rating system from 1 to 5 (5 being the most significant defect grade) that were assigned to the two defect categories, structural and operation and maintenance (O&M). Segments assigned an overall condition grade rating of a 4 or 5 were studied as part of this 5-year CIP. The segments with the highest ratings were grouped into Year 1 Sanitary Sewer Improvements that were further dissected by rehabilitation technique and segment locations with adjacent segments or segments with the same street. The recommended improvements were grouped this way, keeping in mind future construction project locations, mobilization, and costs.

In Appendix 2, the recommended 5-Year CIP is attached and details the 2019 Quick Overall (overall condition grades) ratings for the segments. Segments with a Quick Overall rating of a 5 are highlighted in red and segments with a 4 are highlighted in orange.

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Projected Budget

The projected budget for the 5-Year CIP plan is summarized below and can be found attached in Appendix 2 and Appendix 3 with additional details and locations of improvements.

	Year 1 (2022)	Year 2 (2023)	Year 3 (2024)	Year 4 (2025)	Year 5 (2026)
Sanitary Sewer Improvements	\$227,955.30	\$222,427.86	\$227,219.50	\$228,846.19	\$228,47.10

If you have any questions or would like any additional information, please feel free to contact our office at (262) 542-5733.

Respectfully,

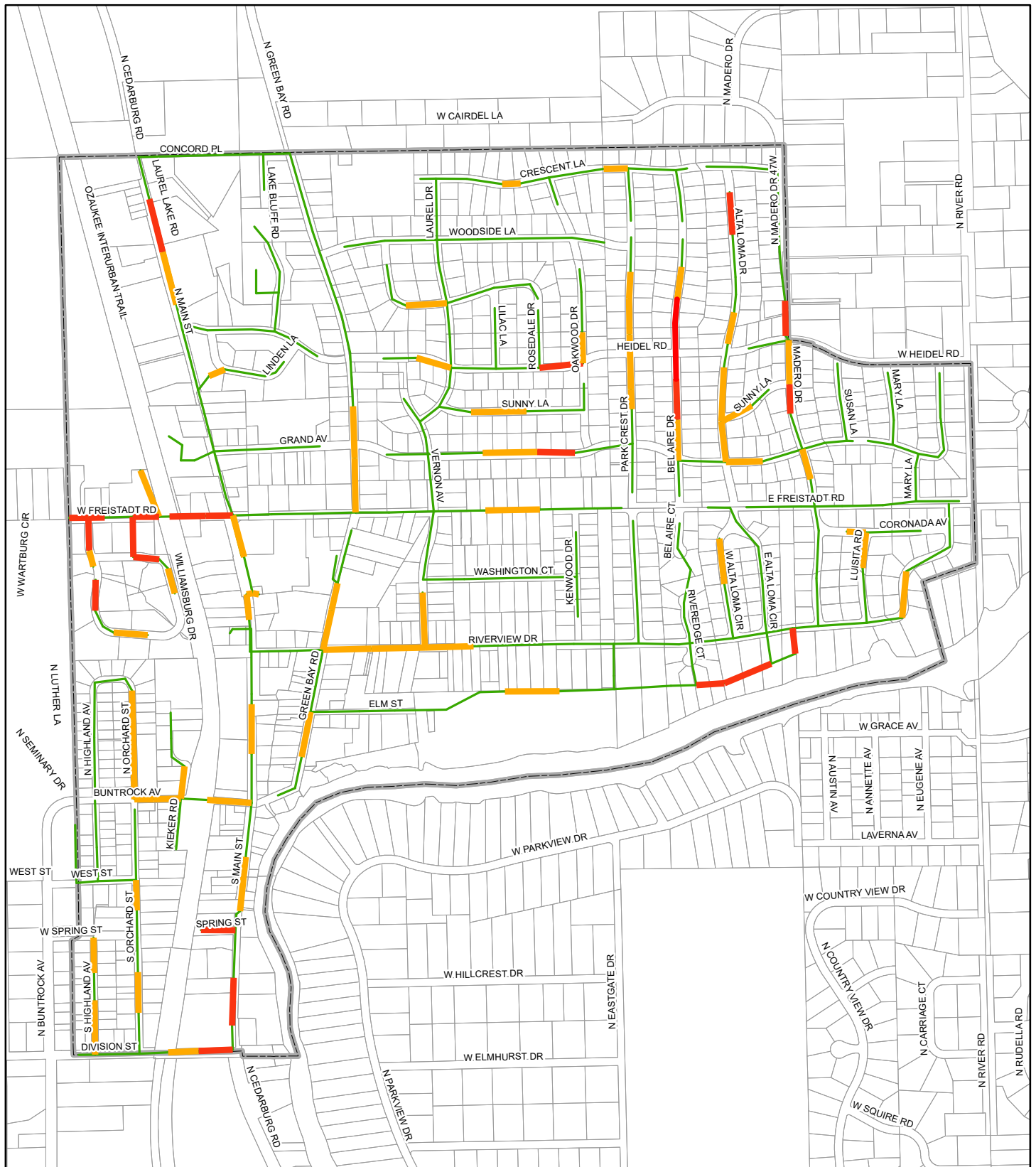
RUEKERT & MIELKE, INC.

Maureen A. Schneider, E.I.T.
Project Engineer
mschneider@ruekert-mielke.com

MAS:sjs

Enclosure(s)
cc: Jerad J. Wegner, P.E., Ruekert & Mielke, Inc.

APPENDIX 1 – PACP Condition Rating Map



Legend

- Pipe with Condition Rating of 5
- Pipe with Condition Rating of 4
- Sanitary Pipe
- Civil Divisions

Pipeline Assessment Certification Program (PACP) Condition Rating Map Sanitary Sewer System

Village of Thiensville



0 500 1,000 2,000
Feet

APPENDIX 2 – Sanitary Sewer CIP Tables

VILLAGE OF THIENSVILLE
SANITARY SEWER CAPITAL IMPROVEMENTS PLAN 2022-2026

STREET	FROM MANHOLE	TO MANHOLE	DIAMETER (INCHES)	MATERIAL	SEGMENT LENGTH (FEET)	2019 QUICK OVERALL	2022	2023	2024	2025	2026
SANITARY SEWER IMPROVEMENTS											
Hung Plumbing											
119 Riverview Drive	N/A	N/A			25	N/A	\$ 7,500.00				
615 Grand Avenue	N/A	N/A			25	N/A	\$ 7,500.00				
621 Grand Avenue	N/A	N/A			25	N/A	\$ 7,500.00				
SUBTOTAL SANITARY SEWER IMPROVEMENTS							\$ 22,500.00				
Division Street											
Division Street	1-28	1-27	8	Vitrified Clay	249	544A	\$ 6,202.50				
Division Street	1-29	1-28	8	Vitrified Clay	225	412C	\$ 14,875.00				
SUBTOTAL SANITARY SEWER IMPROVEMENTS							\$ 21,077.50				
Easements											
Esmnt e/o N Main St	3-11	3-10	6	PVC	45	4100	\$ 4,162.50				
Esmnt n/o W Freistadt Rd	3-16a	3-16	8	PVC	368	4231	\$ 22,849.71				
Esmnt n/o Williamsburg Drive	3-18	3-17	8	Vitrified Clay	287.2	5446	\$ 6,584.50				
Esmnt s/o Riverview Drive	2-21a	2-21	8	PVC	232	4100	\$ 6,000.00				
Esmnt s/o Riverview Drive	2-56	2-26	10	CIPP	174	5100	\$ 5,452.50				
SUBTOTAL SANITARY SEWER IMPROVEMENTS							\$ 45,049.21				
Madero Drive											
Madero Drive	2-88	2-87	8	Vitrified Clay	227	4111	\$ 14,978.14				
Madero Drive	2-95	2-94	8	Vitrified Clay	212	5148	\$ 14,804.57				
Madero Drive	2-96	2-95	8	Vitrified Clay	323	4225	\$ 20,529.00				
Madero Drive	2-99	2-98	8	Concrete	254	5131	\$ 6,852.50				
SUBTOTAL SANITARY SEWER IMPROVEMENTS							\$ 57,164.21				
Spring Street											
Spring Street	1-24	1-23	8	ACP	248	5133	\$ 6,792.50				
SUBTOTAL SANITARY SEWER IMPROVEMENTS							\$ 6,792.50				
Bel Aire Drive											
Bel Aire Drive	2-110	2-108	8	Vitrified Clay	300	4121	\$ 19,342.86				
Bel Aire Drive	2-111	2-110	8	Vitrified Clay	297	5142	\$ 22,990.60				
Bel Aire Drive	2-113	2-111	8	Vitrified Clay	444.7	5141	\$ 8,759.50				
Bel Aire Drive	2-115	2-114	8	Concrete	238	4126	\$ 6,692.50				
SUBTOTAL SANITARY SEWER IMPROVEMENTS							\$ 57,785.46				
W. Freistadt Road											
W. Freistadt Road	3-14	3-13	10	CIPP	201	5142	\$ 5,722.50				
W. Freistadt Road	3-15	3-14	10	CIPP	266	5142	\$ 6,372.50				
W. Freistadt Road	3-17	3-16	10	CIPP	194	5243	\$ 5,652.50				
W. Freistadt Road	3-23	3-22	10	CIPP	119	5233	\$ 4,902.50				
W. Freistadt Road	3-24	3-23	10	PVC	139	5231	\$ 5,102.50				
SUBTOTAL SANITARY SEWER IMPROVEMENTS							\$ 27,752.50				
TOTAL OF 2022 SANITARY SEWER IMPROVEMENTS							\$ 238,121.39				

*Yearly cost estimates are based on 2021 average construction costs.

VILLAGE OF THIENSVILLE
SANITARY SEWER CAPITAL IMPROVEMENTS PLAN 2022-2026

STREET	FROM MANHOLE	TO MANHOLE	DIAMETER (INCHES)	MATERIAL	SEGMENT LENGTH (FEET)	2019 QUICK OVERALL	2022	2023	2024	2025	2026
Grand Ave											
Grand Ave	2-107	2-106	8	Vitrified Clay	271	4123		\$ 17,847.29			
Grand Ave	3-100	3-99	8	Vitrified Clay	276	5122		\$ 21,524.80			
Grand Ave	3-99	3-98	8	Vitrified Clay	401	4131		\$ 24,551.57			
SUBTOTAL SANITARY SEWER IMPROVEMENTS								\$ 63,923.66			
Heidel Road											
Heidel Road	3-118	3-117	8	Vitrified Clay	265	4111		\$ 20,757.00			
Heidel Road	3-126	3-123	8	Vitrified Clay	315	5141		\$ 24,247.00			
SUBTOTAL SANITARY SEWER IMPROVEMENTS								\$ 45,004.00			
Williamsburg Drive											
Williamsburg Drive	3-19	3-18	8	Vitrified Clay	191	5245		\$ 5,622.50			
Williamsburg Drive	3-21	3-20	8	Vitrified Clay	190	4300		\$ 13,070.00			
Williamsburg Drive	3-25	3-23	8	Concrete	241	5143		\$ 6,122.50			
Williamsburg Drive	3-26	3-25	8	Concrete	119	4C21		\$ 10,008.43			
Williamsburg Drive	3-31	3-30	8	Concrete	248	4122		\$ 16,661.14			
Williamsburg Drive	3-28	3-27	8	Concrete	226	531C		\$ 18,634.80			
SUBTOTAL SANITARY SEWER IMPROVEMENTS								\$ 70,119.37			
Riverview Drive											
Riverview Drive	2-34	2-2	15	PVC	354	4100		\$ 7,934.50			
Riverview Drive	2-35	2-34	15	PVC	392	4200		\$ 8,381.00			
Riverview Drive	2-37	2-35	15	PVC	357	4100		\$ 7,969.75			
Riverview Drive	2-60	2-59	8	CIPP	342	4132		\$ 7,132.50			
SUBTOTAL SANITARY SEWER IMPROVEMENTS								\$ 31,417.75			
S Main Street											
S Main Street	1-21	1-20	15	PVC	393	4100		\$ 8,392.75			
S Main Street	1-26	1-25	15	PVC	347	5141		\$ 7,852.25			
S Main Street	1-3	1-2	15	PVC	364	4100		\$ 8,052.00			
SUBTOTAL SANITARY SEWER IMPROVEMENTS								\$ 24,297.00			
TOTAL OF 2023 SANITARY SEWER IMPROVEMENTS								\$ 234,761.78			

*Yearly cost estimates are based on 2021 average construction costs.

VILLAGE OF THIENSVILLE
SANITARY SEWER CAPITAL IMPROVEMENTS PLAN 2022-2026

STREET	FROM MANHOLE	TO MANHOLE	DIAMETER (INCHES)	MATERIAL	SEGMENT LENGTH (FEET)	2019 QUICK OVERALL	2022	2023	2024	2025	2026
Alta Loma Drive											
Alta Loma Drive	2-117	2-107	8	Vitrified Clay	298	4232			\$ 19,239.71		
Alta Loma Drive	2-120	2-117	8	Vitrified Clay	397	472F			\$ 24,345.29		
Alta Loma Drive	2-122	2-121	8	Concrete	235	4122			\$ 17,796.25		
Alta Loma Drive	2-126	2-125	8	Concrete	305	5121			\$ 21,413.75		
SUBTOTAL SANITARY SEWER IMPROVEMENTS									\$ 82,795.00		
Linden Lane											
Linden Lane	3-45	3-44	8	Vitrified Clay	147	4133			\$ 11,452.43		
SUBTOTAL SANITARY SEWER IMPROVEMENTS									\$ 11,452.43		
N Main Street											
N Main Street	3-10	3-9	15	PVC	45	4200			\$ 4,303.75		
N Main Street	3-13	3-12	15	Vitrified Clay	316	4131			\$ 20,971.14		
N Main Street	3-32	3-131	12	Vitrified Clay	145	4C00			\$ 5,478.75		
N Main Street	3-64	3-63	10	Vitrified Clay	400	4G23			\$ 30,180.00		
N Main Street	3-65	3-64	10	Vitrified Clay	400	5131			\$ 30,180.00		
N Main Street	3-9	3-8	15	PVC	188	4100			\$ 5,984.00		
SUBTOTAL SANITARY SEWER IMPROVEMENTS									\$ 97,097.64		
Village Park Esmnt											
Village Park Esmnt	2-19	2-18	10	CIPP	400	4131			\$ 7,712.50		
Village Park Esmnt	2-25	2-24	10	CIPP	325	5100			\$ 6,962.50		
SUBTOTAL SANITARY SEWER IMPROVEMENTS									\$ 14,675.00		
W Alta Loma Circle											
W Alta Loma Circle	2-48	2-47	8	Vitrified Clay	336	412K			\$ 21,199.43		
SUBTOTAL SANITARY SEWER IMPROVEMENTS									\$ 21,199.43		
TOTAL OF 2024 SANITARY SEWER IMPROVEMENTS									\$ 227,219.50		

*Yearly cost estimates are based on 2021 average construction costs.

VILLAGE OF THIENSVILLE
SANITARY SEWER CAPITAL IMPROVEMENTS PLAN 2022-2026

STREET	FROM MANHOLE	TO MANHOLE	DIAMETER (INCHES)	MATERIAL	SEGMENT LENGTH (FEET)	2019 QUICK OVERALL	2022	2023	2024	2025	2026
Coronada Avenue											
Coronada Avenue	2-65	2-64	8	Vitrified Clay	141	4131				\$ 11,143.00	
SUBTOTAL SANITARY SEWER IMPROVEMENTS										\$ 11,143.00	
Green Bay Road											
Green Bay Road	2-11	2-10.1	8	PVC	339	412H				\$ 21,354.14	
Green Bay Road	2-3	2-2	8	Vitrified Clay	299	4125				\$ 7,462.00	
Green Bay Road	2-4	2-3	8	Vitrified Clay	201	413C				\$ 14,237.29	
Green Bay Road	3-77	3-78	8	Vitrified Clay	380	4122				\$ 29,384.00	
Green Bay Road	3-78	3-79	8	Vitrified Clay	398	4122				\$ 30,040.40	
SUBTOTAL SANITARY SEWER IMPROVEMENTS										\$ 102,477.83	
Park Crest Drive											
Park Crest Drive	3-104	3-101	8	Vitrified Clay	399	422B				\$ 24,448.43	
Park Crest Drive	3-105	3-104	8	Vitrified Clay	401	4231				\$ 24,551.57	
Park Crest Drive	3-106	3-105	8	Concrete	260	4222				\$ 17,280.00	
Park Crest Drive	3-107	3-106	8	Concrete	199	4100				\$ 5,702.50	
SUBTOTAL SANITARY SEWER IMPROVEMENTS										\$ 71,982.50	
Rosedale Drive											
Rosedale Drive	3-132	3-131	8	Vitrified Clay	300	4211				\$ 18,742.86	
SUBTOTAL SANITARY SEWER IMPROVEMENTS										\$ 18,742.86	
Vernon Avenue											
Vernon Avenue	2-36	2-35	8	Vitrified Clay	400	4231				\$ 24,500.00	
SUBTOTAL SANITARY SEWER IMPROVEMENTS										\$ 24,500.00	
TOTAL OF 2025 SANITARY SEWER IMPROVEMENTS										\$ 228,846.19	

*Yearly cost estimates are based on 2021 average construction costs.

VILLAGE OF THIENSVILLE
SANITARY SEWER CAPITAL IMPROVEMENTS PLAN 2022-2026

STREET	FROM MANHOLE	TO MANHOLE	DIAMETER (INCHES)	MATERIAL	SEGMENT LENGTH (FEET)	2019 QUICK OVERALL	2022	2023	2024	2025	2026
Buntrock Avenue											
Buntrock Avenue	1-12	1-6	8	Vitrified Clay	201	4131					\$ 6,322.50
Buntrock Avenue	1-13	1-12	8	Vitrified Clay	137	4100					\$ 5,682.50
Buntrock Avenue	1-5	1-4	8	Vitrified Clay	296	4132					\$ 19,136.57
SUBTOTAL SANITARY SEWER IMPROVEMENTS											\$ 31,141.57
Crescent Lane											
Crescent Lane	3-151	3-150	8	Concrete	136	4121					\$ 5,072.50
Crescent Lane	3-155	3-154	8	Concrete	180	4131					\$ 6,112.50
SUBTOTAL SANITARY SEWER IMPROVEMENTS											\$ 11,185.00
E Freistadt Road											
E Freistadt Road	3-85	3-84	8	Vitrified Clay	400	4100					\$ 30,180.00
SUBTOTAL SANITARY SEWER IMPROVEMENTS											\$ 30,180.00
Ellenbecker Road											
Ellenbecker Road	1-8	1-6.1	8	Vitrified Clay	239	4125					\$ 6,702.50
SUBTOTAL SANITARY SEWER IMPROVEMENTS											\$ 6,702.50
Luisita Road											
Luisita Road	2-64	2-63	8	Vitrified Clay	261	4111					\$ 6,922.50
SUBTOTAL SANITARY SEWER IMPROVEMENTS											\$ 6,922.50
N Orchard Street											
N Orchard Street	1-14	1-13	8	Vitrified Clay	399	4122					\$ 24,448.43
N Orchard Street	1-15	1-14	8	Vitrified Clay	394	4122					\$ 8,252.50
SUBTOTAL SANITARY SEWER IMPROVEMENTS											\$ 32,700.93
Oakwood Drive											
Oakwood Drive	3-127	3-126	8	Vitrified Clay	229	4134					\$ 15,681.29
SUBTOTAL SANITARY SEWER IMPROVEMENTS											\$ 15,681.29
S Highland Avenue											
S Highland Avenue	1-33	1-32.1	8	Vitrified Clay	400	4231					\$ 23,900.00
S Highland Avenue	1-35	1-34	8	Vitrified Clay	258	4131					\$ 17,176.86
SUBTOTAL SANITARY SEWER IMPROVEMENTS											\$ 41,076.86
S Orchard Street											
S Orchard Street	1-37	1-36.1	8	Vitrified Clay	298	4122					\$ 12,271.67
S Orchard Street	1-40	1-39	8	Vitrified Clay	224	411A					\$ 15,423.43
SUBTOTAL SANITARY SEWER IMPROVEMENTS											\$ 27,695.10
Sunny Lane											
Sunny Lane	2-118	2-117	8	PVC	251	4131					\$ 16,815.86
Sunny Lane	3-113	3-112	8	Vitrified Clay	406	4121					\$ 8,372.50
SUBTOTAL SANITARY SEWER IMPROVEMENTS											\$ 25,188.36
TOTAL OF 2026 SANITARY SEWER IMPROVEMENTS											\$ 228,474.10

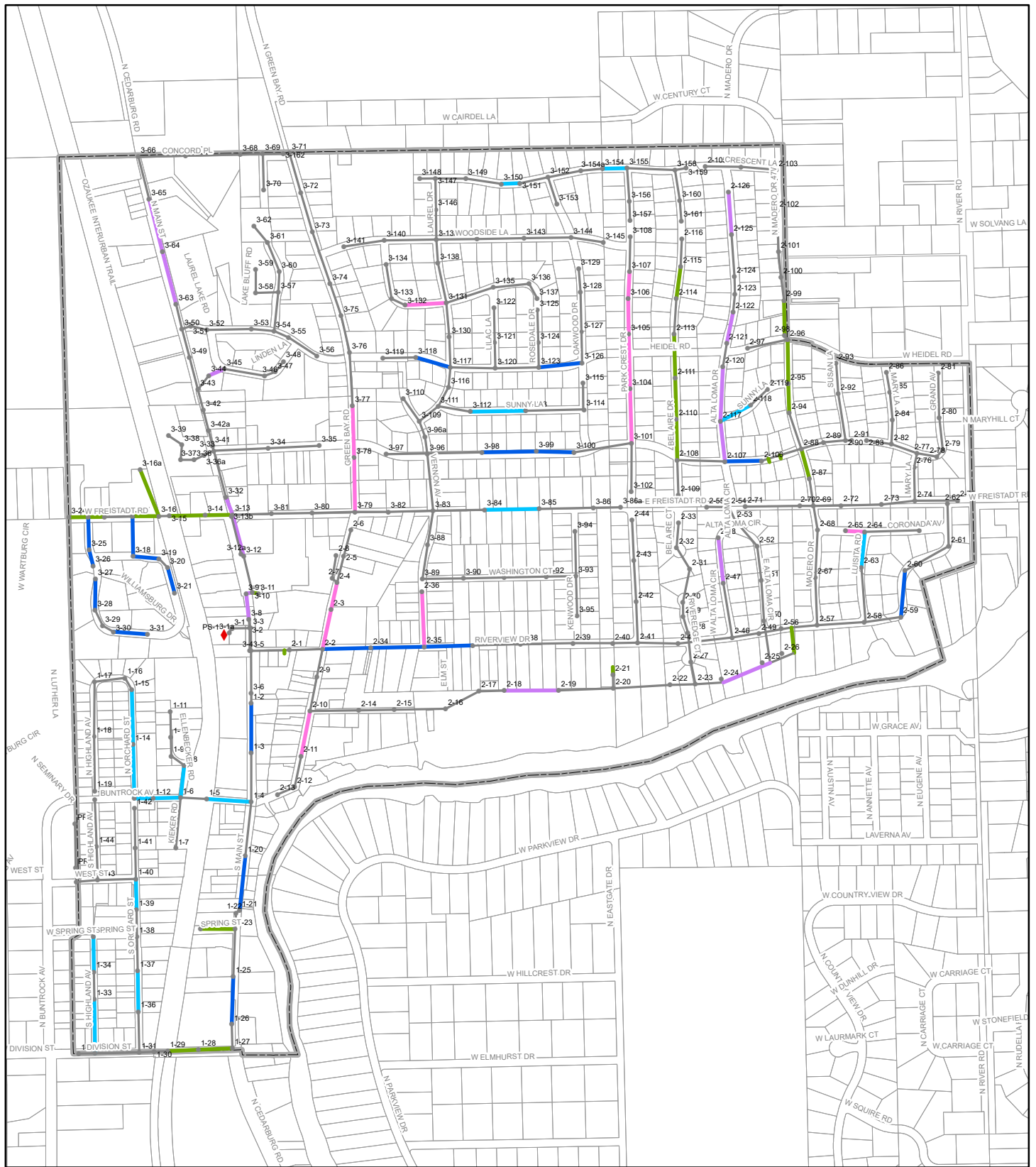
*Yearly cost estimates are based on 2021 average construction costs.

VILLAGE OF THIENSVILLE
SANITARY SEWER CAPITAL IMPROVEMENTS PLAN 2022-2026

STREET	FROM MANHOLE	TO MANHOLE	DIAMETER (INCHES)	MATERIAL	SEGMENT LENGTH (FEET)	2019 QUICK OVERALL	2022	2023	2024	2025	2026
TOTAL OF ALL SANITARY SEWER IMPROVEMENTS							\$ 238,121.39	\$ 234,761.78	\$ 227,219.50	\$ 228,846.19	\$ 228,474.10

*Yearly cost estimates are based on 2021 average construction costs.

APPENDIX 3 – 5 Year CIP Map

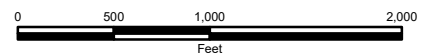


Legend

- 2022 (23)
- 2023 (19)
- 2024 (14)
- 2025 (12)
- 2026 (16)
- Sanitary Sewer (263)
- Manhole
- Cleanout
- ◆ Lift Station
- Civil Divisions

5 Year CIP Sanitary Sewer System

Village of Thiensville



VILLAGE OF THIENSVILLE
RESOLUTION 2021-07
AUTHORIZING RESOLUTION FOR
URBAN FORESTRY GRANT AND
URBAN FORESTRY CATASTROPHIC STORM GRANT PROGRAMS

WHEREAS, the applicant, the Village of Thiensville, is interested in obtaining a cost-share grant from the Wisconsin Department of Natural Resources for the purpose of funding urban and community forestry projects or urban forestry catastrophic storm projects specified in s. 23.097(1g) and (1r), Wis Stats.; and

WHEREAS, the applicant attests to the validity and veracity of the statements and representations contained in the grant application; and

WHEREAS, the applicant requests a grant agreement to carry out the project.

NOW, THEREFORE, BE IT RESOLVED, the applicant, the Village of Thiensville, will comply with all local, state, and federal rules, regulations and ordinances relating to this project and the cost-share agreement;

BE IT FURTHER RESOLVED, the applicant will budget a sum sufficient to fully and satisfactorily complete the project and hereby authorizes and empowers the Director of Community Services/Public Works to act on its behalf to:

1. Sign and submit the grant application
2. Sign a grant agreement between applicant and the DNR
3. Submit interim and/or final reports to the DNR to satisfy the grant agreement
4. Submit grant reimbursement request to the DNR
5. Sign and submit other required documentation

PASSED AND ADOPTED by the Village Board of the Village of Thiensville, County of Ozaukee, State of Wisconsin on this 27th day of September, 2021.

Van A. Mobley, Village President

Amy L. Langlois, Village Clerk

I hereby certify that the foregoing resolution was duly adopted by the Village of Thiensville at a legal meeting on the 27th day of September, 2021.

Authorized Signature	Title	Date Certified



CONTRACT FOR
MAINTENANCE OF ASSESSMENT RECORDS
2022 - 2024

PROPOSED AGREEMENT: by and between Grota Appraisals LLC, hereinafter called the "Assessor", and the Village of Thiensville, Ozaukee County, Wisconsin, hereinafter called the "Village".

The Assessor and the Village for the compensation stated herein, agree as follows:

ARTICLE I

SCOPE OF WORK: the Assessor, having familiarized himself with the local conditions affecting the cost of the work to be done, and the Standard Specifications for the Annual Maintenance of Real and Personal Property Records in the State of Wisconsin pursuant to Chapter 70, Wisconsin State Statutes, hereby agrees to perform everything required to be performed and to complete in a professional manner everything required to be completed to comply with State Statutes regarding the assessment of Real and Personal Property on behalf of the Village and in accordance with the General Agreements as stated in Article Three of this contract.

ARTICLE II

COMPENSATION: the Village shall pay to the Assessor for the performance of the contract the following compensation of \$19,800 (Nineteen Thousand Eight Hundred Dollars), such amount to paid as follows: (\$6,600 annually)

2022 - 2024

\$1,650 January 1, July 1, April 1, October 1

ARTICLE III

GENERAL AGREEMENTS:

- 1) The contract would begin January 1, 2022 and end December 31, 2024.
- 2) All normal duties and functions of the Assessor as described and set forth in Volume I of the Wisconsin State Assessors Manual, including required meetings, will be performed in a timely manner, and in accordance with the Chapter 70 Laws of the State and all other laws of the state.
- 3) The above fee includes any and all normal assessment duties during its duration, including: No additional charges for quantity of permits or new plats, Board of Review and further appeals to circuit court.
- 4) All services requested over and above the normal yearly assessment functions will be charged extra at a mutually agreed upon rate
- 5) The Assessor will provide his own equipment, work space, storage and security of records, while in his possession.
- 6) The Assessor will carry a Commercial General Liability Policy, including Valuable Papers Coverage Extension. The Assessor shall provide a Certificate of Insurance to the Village naming it as an additional insured. The Assessor further agrees to indemnify the Village for any and all suits, claims or actions associated with alleged intentional acts or omissions on the Assessors, such intentional acts or omissions taking place between January 1, 2022 and December 31, 2024.
- 7) The Assessor is to be considered an Independent Contractor hired to fill an Appointed Statutory Position, and is not subject to withholding tax, insurance programs or benefits. As Such, the Assessor is not an Authority.
- 8) Every year at Board of Review meeting or as needed Assessor will inform Village Board on matters concerning but not limited to:
 - a) Compliance with State Statutes on assessment practices.
 - b) Property assessments in relation to current sales of property.
- 9) Work closely with Village Clerk and Building Inspector on matters concerning both offices.
- 10) The Village will comply with the open records law. The Assessor will advise the Village in writing of all open record requests it receives within 3 days of receipt.

- 11) Open Records Law Compliance; Assessor's Duties; Indemnification: Both parties understand that the Village is bound by the Wisconsin Open Records Law, and, as such, all of the terms of this contract are subject to and conditioned upon the provisions of secs. 19.21, et seq., Wis. Stats. The Assessor acknowledges that it is obligated to cooperate with and assist the Village in retaining and promptly producing records that are subject to the Wisconsin Open Records Law, and that a delay or failure to comply shall constitute a material breach of this contract. Further, the Assessor shall make available for inspection and copying all records, as defined in sec. 19.32(2), Wis. Stats., in its possession created, produced, collected or otherwise related to this contract to the same extent as if the records were maintained by the Village. The Assessor expressly acknowledges and agrees that its obligations concerning public records and compliance under this contract should not be limited by copyright, license, privacy and/or confidentiality, except as expressly authorized under the Open Records Law. The Assessor shall defend, indemnify and hold the Village harmless from any claims, demands, actions, causes of action, liabilities and damages (including, but not limited to, attorney's fees and costs) caused in whole or in part or arising from any acts, errors, omissions, delays or refusals by the Assessor, its agents and employees in the retention and/or production of records under the Open Records Law and the provisions of this contract. Except as otherwise authorized, those records shall be maintained for a period of seven (7) years after receipt of final payment under this contract.
- 12) Assessor further agrees that it will purchase a license of the Market Drive Municipal Viewer Edition, and the Market Drive Public Data Distribution Tool for the Village from Assessment Technologies of WI, LLC. The material used as input for the Municipal Viewer Edition, and the Market Drive Public Data Distribution Tool and the material produced as a product of the Market Drive Public Data Distribution Tool will be provided to the Village. Assessor will maintain the yearly upgrade and maintenance costs of the Market Drive software for the Village for the duration of this contract.

SUBMITTED TO THE VILLAGE OF THIENSVILLE THIS 9TH DAY OF
SEPTEMBER, 2021



Michael L. Grota, Authorized Member
Grota Appraisals, LLC

ACCEPTANCE BY VILLAGE:

The above proposal, terms and general agreements are hereby accepted, this

_____ day of _____, 2021

BY GOVERNING BODY OF THE VILLAGE OF THIENSVILLE

President

Administrator



PROPOSAL FOR THE REVALUATION
OF ALL REAL AND PERSONAL PROPERTY
FOR THE VILLAGE OF THIENSVILLE
2023

VILLAGE BOARD MEMBERS:

- 1) This proposal includes:
 - a. Detailed sales analysis of all sold properties in the Village of Thiensville.
 - b. Checking existing property record card information against data already in computer program to insure accuracy.
 - c. Update computer program with the newest functions and features available.
 - d. After completion of the Board of Review, update the viewer edition of the assessment database for use at Village Hall.
- 2) The total price for the complete Market Update of the Village of Thiensville is \$22,680 (Twenty Two Thousand Six Hundred Eighty Dollars)
- 3) Project will follow this format:
 - a. Review current property record card information as this information will be used to calculate the new assessed values. (no interior or exterior inspection of properties will take place, revaluation will be performed in our office using the current known information, checking of internet sites for property data for sold properties and reviewing recent sales for the basis of the new assessed values)
 - b. Perform an analysis of current sales to help in the re-building of the valuation model to be used in the Village of Thiensville with the aid of a computer mass appraisal software program. Check the delininations of the existing neighborhoods and groups of neighborhoods (i.e. lakes, rivers, location on water, subdivisions, locations for scattered properties throughout the Village, lot sizes).
 - c. Finish the calibration of the new valuation model.
 - d. Generate new values in line with the current market based on the recent sales in the Village.

- e. Individually review each property with the recent sales for a correct valuation.
 - f. After all properties are reviewed, send each property owner a new notice of assessment. A letter of explanation will be sent with the new notice (approximately July 2020)
 - g. Provide the Village Clerk with copies of the sales reports and preliminary assessment rolls for both real and personal property. Assessment rolls will be at Village Hall for property owners and others interested in reviewing the new assessed values prior the "Open Book" meeting.
 - h. Conduct Open Book hearings at Village Hall to afford property owners a chance to compare properties, ask questions of an appraiser and present differing opinions of value.
 - i. Attend the Board of Review.
- 4) All normal annual assessment duties of the Assessor will be performed early so the revaluation can be completed without delay.

As outlined in the Revaluation Options document, a Market Update Revaluation for the Village would normally cost \$21.50 per improved parcel times the 1,288 improved parcels equals \$27,692 ($\$21.50 \times 1,288 = \$27,692$). Due some duplication of work with the annual assessment functions, and in consideration of our long-standing relationship with the Village of Thiensville I have given a credit of \$5,012 from the fee normally charged for the proposed service.

If this proposal is accepted, please sign the enclosed contract with acceptance, terms and payment schedule using this proposal as an addendum.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read "Michael L. Grota". The signature is fluid and cursive, with the first name "Michael" and last name "Grota" clearly distinguishable.

Michael L. Grota
Grota Appraisals



CONTRACT FOR
MARKET UPDATE IN THE VILLAGE OF THIENSVILLE
OZAUKEE COUNTY, WISCONSIN
2023

THIS AGREEMENT: By and between Grota Appraisals LLC, hereinafter called the "Assessor", and the Village of Thiensville, Ozaukee County, Wisconsin, hereinafter called the " Village ".

ARTICLE I

SCOPE OF WORK: The Assessor, having familiarized himself with the local conditions affecting the cost of the work to be done, and the Standard Specifications for the Revaluation of all Real and Personal Property in the State of Wisconsin pursuant to Chapter 70, Wisconsin State Statutes, hereby agrees to perform everything required to be performed, and to complete in a professional manner, all the work required to be completed, to revalue all Real and Personal Property within the Village in accordance with all the applicable Wisconsin State Statutes and the General Agreements as stated in Article three of this contract.

ARTICLE II

COMPENSATION: The Village shall pay to the Assessor for the performance of the contract, the sum of \$22,680 (Twenty Two Thousand Six Hundred Eighty Dollars) for revaluation work, payments shall be made as follows:

Total amount of \$22,680 due quarterly in an amount of \$1,890
January, April, July, October for the years 2022, 2023, 2024

ARTICLE III

GENERAL AGREEMENTS: In addition to the normal contract language that states I will perform everything required to be performed, and to complete everything to be completed in a timely and professional manner, to comply with State Statutes on Revaluations, and Volume I of the Wisconsin State Assessors Manual on Procedures.

Submitted to the Village of Thiensville this 9TH day of SEPTEMBER, 2021



Michael L. Grota
Grota Appraisals

ACCEPTANCE BY VILLAGE:

The above contract, terms and general agreements are hereby accepted this _____ day of

_____, 2021, by Governing Body of the Village of Thiensville

ATTEST:

President

Administrator

Clerk



Village of Thiensville
Parade/Street Closing Application
Village Ordinance: No candy or candy-throwing

Event (Purpose for street closing): Junior Woman's Club 5K Turkey Trot

Date of event: Thurs. Nov 25, 2021 Time: 7 am to 11 am

Route of parade (Streets to be closed): Elm (Fire Station to Riverview),

Riverview (Green Bay to Freistadt), Coronada, Madero (Riverview
to Grand) Grand (Madero to Heidel) Heidel (Grand to Attaloma)
Attaloma (Heidel to Crescent) Crescent (Attaloma to Laurel), other
The undersigned agrees to be personally liable to the Village of Thiensville and to indemnify the Village of Thiensville for property damage and for any expense incurred by, at, or in consequence of such use of the Village streets. side →

The undersigned further agrees to hold the Village of Thiensville, its servants, agents and employees harmless from any and all causes of action, claims or damages arising out of the use of the streets and highways by the undersigned an any and all persons permitted upon those streets by the undersigned.

The Village of Thiensville reserves the right to require property damage and public liability insurance in an amount sufficient to protect the Village of Thiensville.

The undersigned further agrees to abide by ordinances and other regulations of the Village of Thiensville and all direction from Village staff and law enforcement officers.

The person and/or entity seeking to close a Village street for the purpose of a party, parade or similar activity shall, not less than 30 days prior to the event, apply for a permit from the Village.

Junior Woman's Club of
Organization M-T

Kim Theune

PRINT: Name of Applicant

Kim Theune
Applicant's signature

P.O. Box 123 Thiensville

Address

262 402 7010

Phone number

____ APPROVED _____ DENIED

Village Administrator

Date

\$100 Permit Fee received Waived

Date

Receipt # _____

Streets to be closed, continued:

Laurel (all of it), Vernon (Laurel to Riverview)

