



1200 Wilmette Avenue
WILMETTE, ILLINOIS 60091

MEETING NOTICE & AGENDA
VILLAGE BOARD COMMITTEE OF THE WHOLE

December 12, 2017
6:30 p.m.
Village Hall Council Chambers

- 1) Call to Order
- 2) Discussion of Storm Sewer System Improvements
 - i) Continued Discussion of Engineering Alternatives & Next Steps
- 3) Public Comment
- 4) Other Business
- 5) Adjournment

Robert T. Bielinski
Village President

If you are a person with a disability and need special accommodations to participate in and/or attend any Village public meeting, please notify the Village Manager's Office at (847) 853-7509 or TDD (847) 853-7634. For additional information please call (847) 853-7511, the Village Clerk's Office.



ENGINEERING AND PUBLIC WORKS
DEPARTMENT

(847) 853-7660
FAX (847) 853-7701

Date: December 9, 2017
To: Timothy Frenzer, Village Manager
From: Brigitte Berger-Raish, P.E., Director of Engineering and Public Works
Subject: Summary Fact Sheets

To help organize and summarize all of the project information and data associated with the four stormwater alternatives, President Bielinski asked that the attached summary tables be developed. The information is divided into "Alternative Characteristics" (first page) and "Alternative Performance" (second page).

The Alternative Characteristics table provides a quick and easy to understand comparison of the four alternatives and the "do nothing" option. The Alternative Performance table takes the data from the charts and maps reviewed at the November 27 meeting and puts it in table form.

These tables will hopefully be valuable to the Trustees as they continue discussing the alternatives and to residents interested in comparative information on each alternative.



ALTERNATIVE REVIEW
SEPARATE STORM SEWER SYSTEM STUDY
ALTERNATIVE CHARACTERISTICS

	Existing Condition	Relief Sewer	Reduced Relief Sewer plus Neighborhood Storage	Reduced Relief Sewer	Neighborhood Storage
Description	No major stormwater infrastructure improvement	New large diameter relief storm sewer to serve full west side of Village	Reduced length of large diameter relief storm sewer plus neighborhood storage in Thornwood Park	Reduced length of large diameter relief storm sewer south and west	Neighborhood storage facilities in Thornwood, Centennial, Hibbard Parks plus related storm sewer
- New Storm Sewer (ft)	0	44,000	29,000	22,000	17,500
- Maximum Storm Sewer Size	N/A	10 ft x 7 ft	10 ft x 7 ft	10 ft x 7 ft	5 ft diameter
- New Storage (ac-ft)	0	0	10	0	32
- No. of Storage Sites	0	0	1	0	3
- SWPS Improvements	No	Yes	No	No	No
Project Cost Range (\$ millions - 2017 Dollars)	\$0	\$80 - \$95	\$70 - \$80	\$55 - \$65	\$48 - \$55
Est. Median Sewer Bill Increase (2017 Dollars)	\$0	\$366 - \$428	\$320 - \$366	\$248 - \$294	\$219 - \$248
Inflationary Project Cost (High End; \$ millions)	\$0	\$108	\$91	\$73	\$60
Inflationary Est. Median Sewer Bill Increase	\$0	\$487	\$416	\$336	\$265
Impacts					
- Streets affected by Construction (miles)	0	7.8	4.9	3.7	3.3
- Parks affected by Construction	0	0	1	0	3
Vulnerable Structures Protected					
- Number (10-yr Storm)	0	295	253	231	220
- Percentage (10-yr Storm)	0%	95%	81%	74%	71%
- Number (100-yr Storm)	0	475	461	387	162
- Percentage (100-yr Storm)	0%	36%	35%	30%	12%
Vulnerable Properties Protected					
- Number (10-yr Storm)	0	1226	997	771	855
- Percentage (10-yr Storm)	0%	97%	79%	61%	67%
- Number (100-yr Storm)	0	578	603	398	169
- Percentage (100-yr Storm)	0%	21%	22%	14%	6%
Cost per Structure Protected (\$ 1000's - 2017 Dollars)					
- 10-yr Storm (10% Annual Risk)	\$ -	\$270 - \$320	\$280 - \$320	\$240 - \$280	\$220 - \$250
- 100-yr Storm (1% Annual Risk)	\$ -	\$170 - \$200	\$150 - \$170	\$140 - \$170	\$300 - \$340
Cost per Property Protected (\$1000's - 2017 Dollars)					
- 10-yr Storm (10% Annual Risk)	\$ -	\$65 - \$80	\$70 - \$80	\$70 - \$85	\$55 - \$65
- 100-yr Storm (1% Annual Risk)	\$ -	\$140 - \$165	\$115 - \$135	\$140 - \$165	\$285 - \$325
Cost per West Side Wilmette Property (\$1000's - 2017 Dollars)	\$ -	\$16 - \$19	\$14 - \$16	\$11 - \$13	\$10 - \$11
Schedule Flexibility	N/A	Limited	Moderate	Limited	Significant
Major Risks	Structures and properties remain vulnerable to flooding	- Utility Conflicts - ROW Impacts - IDOT, Cook Co Coordination - IDNR Permitting	- Utility Conflicts - ROW Impacts - IDOT, Cook Co Coordination - Park District Coordination	- Utility Conflicts - ROW Impacts - IDOT, Cook Co Coordination	- Park District Coordination - Subsurface Conditions - Utility Conflicts

Note: All figures are estimates developed based on conceptual design data and available mapping. Values may change during final design.



ALTERNATIVE REVIEW SEPARATE STORM SEWER SYSTEM STUDY ALTERNATIVE PERFORMANCE

	Existing Condition	Relief Sewer	Reduced Relief Sewer plus Neighborhood Storage	Reduced Relief Sewer	Neighborhood Storage
10-year Design Storm (2.86 inches/3 hours)					
Inundation Area - Total (acres)	134	5	27	43	40
- Inundation: Right-of-Way	79	3	16	29	25
- Inundation: Outside Right-of-Way	55	2	11	15	16
Maximum Depth of Flooding (feet)					
- Beechwood, East of Hunter	1.7	0.0	0.0	1.4	0.0
- Greenleaf, West of Hibbard	1.7	0.0	0.4	0.4	1.1
- Thelin cul-de-sac	2.3	0.0	0.3	0.3	0.4
- Orchard/Locust/Hawthorn	1.4	0.0	1.3	1.4	1.4
- Meadow	1.8	0.0	0.0	0.0	0.0
Duration of Flooding (hours)					
- Beechwood, East of Hunter	6.5	0.0	0.0	4.5	0.0
- Greenleaf, West of Hibbard	6.0	0.0	0.5	0.5	3.0
- Thelin cul-de-sac	5.0	0.0	0.5	0.5	0.5
- Orchard/Locust/Hawthorn	6.5	0.0	4.5	5.0	6.0
- Meadow	6.0	0.0	0.0	0.0	0.0
25-year Design Storm (3.53 inches/3 hours)					
Inundation Area - Total (acres)	261	107	119	148	170
- Inundation: Right-of-Way	127	64	63	79	93
- Inundation: Outside Right-of-Way	133	43	56	69	78
Maximum Depth of Flooding (feet)					
- Beechwood, East of Hunter	2.2	1.6	0.4	2.1	1.6
- Greenleaf, West of Hibbard	2.1	1.1	1.3	1.3	1.8
- Thelin cul-de-sac	2.7	1.5	1.5	1.5	1.5
- Orchard/Locust/Hawthorn	1.7	0.9	1.7	1.7	1.7
- Meadow	2.1	1.3	1.6	1.7	1.0
Duration of Flooding (hours)					
- Beechwood, East of Hunter	10.0	3.0	1.0	8.0	5.0
- Greenleaf, West of Hibbard	9.0	2.0	3.0	3.0	6.0
- Thelin cul-de-sac	8.0	3.0	2.0	2.0	5.0
- Orchard/Locust/Hawthorn	9.5	2.5	7.5	8.0	9.0
- Meadow	9.0	3.0	2.5	2.5	2.0
50-year Design Storm (4.14 inches/3 hours)					
Inundation Area - Total (acres)	364	216	231	263	283
- Inundation: Right-of-Way	164	110	116	128	137
- Inundation: Outside Right-of-Way	200	106	115	135	146
Maximum Depth of Flooding (feet)					
- Beechwood, East of Hunter	2.5	2.1	1.0	2.4	2.2
- Greenleaf, West of Hibbard	2.4	1.5	1.7	1.7	2.2
- Thelin cul-de-sac	3.0	2.1	2.0	2.0	1.9
- Orchard/Locust/Hawthorn	1.8	1.4	1.8	1.8	1.8
- Meadow	2.3	1.7	2.1	2.1	1.5
Duration of Flooding (hours)					
- Beechwood, East of Hunter	13.0	4.0	4.5	11.0	8.0
- Greenleaf, West of Hibbard	12.0	3.0	4.0	4.0	8.5
- Thelin cul-de-sac	10.0	4.0	3.0	3.0	7.5
- Orchard/Locust/Hawthorn	11.5	3.5	8.5	9.0	11.0
- Meadow	12.0	4.0	4.0	4.0	6.0
100-year Design Storm (4.85 inches/3 hours)					
Inundation Area - Total (acres)	479	345	341	383	414
- Inundation: Right-of-Way	199	157	155	168	181
- Inundation: Outside Right-of-Way	279	187	186	215	232
Maximum Depth of Flooding (feet)					
- Beechwood, East of Hunter	2.9	2.5	1.9	2.9	2.6
- Greenleaf, West of Hibbard	2.7	2.0	2.2	2.2	2.7
- Thelin cul-de-sac	3.3	2.5	2.5	2.5	2.3
- Orchard/Locust/Hawthorn	1.9	1.7	1.9	1.9	1.9
- Meadow	2.6	2.0	2.4	2.4	1.9
Duration of Flooding (hours)					
- Beechwood, East of Hunter	17.0	5.5	7.5	14.5	11.5
- Greenleaf, West of Hibbard	15.0	4.5	5.0	5.5	12.0
- Thelin cul-de-sac	13.0	5.5	4.0	4.0	10.5
- Orchard/Locust/Hawthorn	14.0	6.5	10.5	11.0	13.0
- Meadow	16.0	5.5	5.5	5.5	9.5

Notes: Flooding duration is approximate time that predicted water level is above street elevation.
All figures are estimates developed based on conceptual design data and available mapping. Values may change during final design.



Storm Water Improvements Committee-of-the-Whole

December 12, 2017

Meeting Objectives

- Continue Village Board discussion of the 4 project alternatives
 - If possible, seek consensus to narrow the list of alternatives under consideration
- Discuss how to make a final decision which appropriately incorporates community feedback

Storm Water Management Project Alternatives

1. Relief Sewer Improvements (\$80M - \$95M in 2017, up to \$108M w/ inflation)
 - Construction of 8 miles of new relief storm sewer
 - Estimated median annual increase of \$366 - \$428 per household in 2017 dollars, and up to \$487 w/ inflation
2. Reduced Relief Sewer + Neighborhood Storage (\$70M - \$80M in 2017, up to \$91M w/ inflation)
 - Reduced conveyance plus neighborhood storage in Kenilworth Gardens
 - Estimated median annual increase of \$320 - \$366 per household, and up to \$416 with inflation
3. Reduced Relief Sewer Improvements (\$55M - \$65M in 2017, up to \$73M with inflation)
 - Reduced conveyance
 - Estimated median annual increase of \$248 - \$294 per household, and up to \$336 with inflation
4. Neighborhood Storage (\$48M - \$55M in 2017, up to \$60M with inflation)
 - Neighborhood storage at Thornwood Park, Centennial Park, and Hibbard Park (Community Rec Center)
 - Estimated median annual increase of \$219 - \$248 per household, and up to \$265 with inflation

Alternatives Comparison

- Two additional tables have been drafted by Stantec to easily compare data and performance metrics of existing conditions and the four alternatives under consideration
- The tables are included in the December 12th agenda materials, posted on the Village website, and hard copies are available at the meeting
 - Residents were invited to an open house prior to this meeting to review the alternatives with the engineers in greater detail
- The tables compare performance of each alternative in the 10, 25, 50, and 100-year storms and address the following:
 - Inundation area
 - Maximum depth of flooding
 - Duration of flooding

Next Steps – Public Education

- As the Village Board considers the appropriate decision path which will effectively incorporate public education and feedback, it would be beneficial to narrow the options under consideration to no more than two (plus the option of doing nothing)
- An effective public education campaign will build credibility with the community and ensure far-reaching communication about a project which may be the Village's largest public works investment
- It is important for the community to know that the Village's process has been thoughtful, thorough, and transparent, and has included careful analysis of the project alternatives and their costs and benefits

Public Education Campaign

During the first quarter of 2018, the Village can undertake an intensive public education campaign, the purpose of which would be to:

- Provide a clear and concise explanation of the projects under consideration
- Engage the portion of the community that is not currently engaged but will wish they had been engaged after the fact
- Communicate that the Village Board is close to making a decision and seeks public input prior to making its final determination
- Clearly communicate how and when the final decision will occur
- Receive feedback from a broad cross section of the community

Public Education Campaign

Communication tools we can utilize include but are not limited to:

- Direct mailing / special edition of *The Communicator*
- Develop a microsite dedicated to the storm water project
- Utilize an online community engagement platform to solicit feedback
- Create a series of public information videos
- Host open houses for residents to interact with engineers
- Engage local media for feature stories on the proposed projects
- Utilize the Village's existing communications platforms including e-news, press releases, website, Facebook, Twitter, Nextdoor

Next Steps

- The purpose of tonight's meeting is to continue the discussion and review of the project alternatives
- As previously stated, it would be beneficial to narrow the list of acceptable alternatives to no more than two prior to undertaking a public education campaign
- If desired by the Village Board, additional committee of the whole meetings can be scheduled in January to continue work on narrowing the number of acceptable alternatives

Prejzner, John

From: Wilkinson, Simon <Simon.Wilkinson@bp.com>
Sent: Monday, December 4, 2017 11:05 AM
To: dist.ntfy.sewers

Thanks for your work so far on getting us closer to alleviating our sewer issue.

We still need a long-term solution for the flooding that occurs in the Princeton Place basin. When we experience steady rainfall in Wilmette we anxiously monitor conditions on our street and in our basement. I go out and clean drains with a rake handle to help water flow into the sewers (not a complaint, just reality). We have experienced surprising flooding in our street on many occasions often when the rain is not particularly heavy during our 7 years of residency. The streets are impassable for residents and municipal service vehicles. We see kayaks cruising down the middle of the road and in the aftermath ruined basement carpets and furniture pile up awaiting removal. After years of study we believe that the proposed solution (option 2 with the Thornwood basin) should be acted upon now, for the good of residents and property values for the entire village. It is a costly proposal but the scope and frequency of the flooding for the amount of rainfall does not seem normal. The investment is about providing a basic service to a substantial portion of the village's population.

Simon Wilkinson
2043 Beechwood Ave.

Thanks

Simon Wilkinson
Offer Development Manager
(312) 420-8701 (Cell)

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Prejzner, John

From: Berger, Brigitte
Sent: Monday, November 27, 2017 12:12 PM
To: dist.ntfy.sewers
Subject: FW: Westside Sewers Upgrade

From: David Castlewitz [mailto:wdcastle@live.com]
Sent: Wednesday, November 22, 2017 2:41 PM
To: dist.ntfy.sewers <dist.ntfy.sewers@wilmette.com>
Subject: Westside Sewers Upgrade

After reviewing the literature I urge the council to vote in favor of upgrading the west side sewers.

Thank you,

David C.

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Prejzner, John

From: Berger, Brigitte
Sent: Sunday, November 26, 2017 6:40 PM
To: dist.ntfy.sewers
Subject: FW: Westside Storm Sewers

Hi John—For the Village Board.

Brigitte

From: Berger, Brigitte
Sent: Sunday, November 26, 2017 6:38 PM
To: 'David Elsasser' <tennisdir@yahoo.com>
Subject: RE: Westside Storm Sewers

Thank you for the comments, Mr. Elsasser. We will make sure the Village Board receives a copy of your email.

Kind regards,

Brigitte

*Brigitte Ann Berger-Raish, P.E.
Director of Engineering and Public Works
Village of Wilmette
711 Laramie Avenue
Wilmette, IL 60091
847.853.7627
bergerb@wilmette.com*

From: David Elsasser [<mailto:tennisdir@yahoo.com>]
Sent: Friday, November 24, 2017 8:26 AM
To: dist.ntfy.sewers <dist.ntfy.sewers@wilmette.com>
Subject: Westside Storm Sewers

Good Morning,

I live at 718 Lavergne Ave for 25 years. Our neighborhood, as I am sure you are aware, is extremely prone to floods and we have endured many of them over the years that I have lived in West Wilmette. I will not be attending the meeting this Monday night but I want to go on record in favor of whatever is needed to help alleviate the flooding problems in the west neighborhoods.

Sincerely,

David Elsasser

David Elsasser
Cell - 847-528-2998
Home - 847-853-9061
E-MAIL tennisdir@yahoo.com

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Prejzner, John

From: Andrea White <andmwhite@gmail.com>
Sent: Tuesday, December 5, 2017 4:04 PM
To: dist.ntfy.sewers; whitea@gtlaw.com
Subject: Option 1 please

As a resident of west wilmette, 1028 Pawnee Road, I ask that option 1 is chosen by the village. My husband, Andrew White, is copied on this email.

Thank you,
Andrea White
1028 Pawnee Road
(847)652-5348

Prejzner, John

From: Chris Barton <cbbarton@gmail.com>
Sent: Sunday, December 3, 2017 10:11 PM
To: dist.ntfy.sewers
Subject: Please vote for Option 1 Relief Sewer Project on Dec 12

Village Board-

My wife and I recently became Village of Wilmette residents, purchasing our property at 710 Laporte in summer, 2017.

We were aware of the recurring flooding issues that were common in this area and one of the things that helped make our decision to purchase in Wilmette rather than Glenview, Northfield, or Winnetka was the thoughtful, financially responsible diligence that the Village devoted to this issue. To ensure that all residents benefit from the substantial project, it is critical that Option 1 be approved by the Board. Any other choice will be ignoring the residents of this area as a cost will be realized in the form of increased taxes without any benefit. We will still be at risk in the event the flooding problem is not properly remedied.

Please approve Option 1 at the upcoming hearing.

Best Regards,
Chris & Amanda Barton

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Prejzner, John

From: WhiteA@gtlaw.com
Sent: Tuesday, December 5, 2017 5:38 PM
To: andmwhite@gmail.com; dist.ntfy.sewers
Subject: RE: Option 1 please

I concur with Andrea. Option 1, please.

Thanks,
Andy

Andrew T. White
Shareholder
Greenberg Traurig, LLP | 77 West Wacker Drive | Suite 3100 | Chicago, IL 60601
Tel 312.476.5131 | Fax 312.899.0412 | Cell 312.961.2355
WhiteA@gtlaw.com | www.gtlaw.com



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From: Andrea White [mailto:andmwhite@gmail.com]
Sent: Tuesday, December 05, 2017 4:04 PM
To: sewers@wilmette.com; White, Andrew T. (Shld-Chi-RE)
Subject: Option 1 please

As a resident of west wilmette, 1028 Pawnee Road, I ask that option 1 is chosen by the village. My husband, Andrew White, is copied on this email.

Thank you,
Andrea White
1028 Pawnee Road
(847)652-5348

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Prejzner, John

From: Stella Auto <auto_stella@yahoo.com>
Sent: Monday, November 27, 2017 5:02 PM
To: dist.ntfy.sewers
Subject: Re: Westside storm sewers to reduce flooding

We are residents of West Wilmette. We are requesting that our storm sewer should be upgraded to reduce flooding. West Wilmette should have the same level of storm sewer protection that East Wilmette has had for years. We feel neglected as west Wilmette residents having to face and experience constant street and basement flooding for years. We sincerely appreciate the help of our Village trustees to look into this problem and provide the necessary solution to correct the problem.

Thank you.

The Auto family



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Prejzner, John

From: Eric Morrow <emorrow09@gmail.com>
Sent: Saturday, December 2, 2017 2:18 PM
To: dist.ntfy.sewers
Subject: Relief Sewer Project

Hi,

Please accept this email as advocating for and supporting Option1-The Relief Sewer Project. The situation will only worsen and the infrastructure is in dire need of upgrading.

Thank you,

Eric Morrow
621 Laporte Ave.
Wilmette

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Prejzner, John

From: brendude@aol.com
Sent: Tuesday, December 5, 2017 5:32 PM
To: dist.ntfy.sewers
Subject: Sewer Project

Dear Wilmette Village Board Members,

While we will not be able to attend the 12/12/17 board meeting, we want you to know that we strongly support Option 1 of the Relief Sewer Project. Not only has Option 1 been verified by the engineers as the best solution to our westside storm protection problem, but it is also the best value when compared to the other options.

Sincerely,

Brendan Keleher and Mary Rose
3115 Central Ave.
Wilmette, IL

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Prejzner, John

From: Kim Sterling <ksterki@gmail.com>
Sent: Wednesday, December 6, 2017 7:07 PM
To: dist.ntfy.sewers
Subject: Village drainage system

Hello,

I live at 840 Chilton Lane in Wilmette. I am writing to support option 1 as the best solution. Wilmette has been studying the situation for long enough and it's time to make things right for all of our village residents.

Thank you,

Kim Sterling

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Prejzner, John

From: David Castlewitz <wdcastle@live.com>
Sent: Wednesday, November 22, 2017 2:41 PM
To: dist.ntfy.sewers
Subject: Westside Sewers Upgrade

After reviewing the literature I urge the council to vote in favor of upgrading the west side sewers.

Thank you,

David C.

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Prejzner, John

From: David Elsasser <tennisdir@yahoo.com>
Sent: Friday, November 24, 2017 8:26 AM
To: dist.ntfy.sewers
Subject: Westside Storm Sewers

Good Morning,

I live at 718 Lavergne Ave for 25 years. Our neighborhood, as I am sure you are aware, is extremely prone to floods and we have endured many of them over the years that I have lived in West Wilmette. I will not be attending the meeting this Monday night but I want to go on record in favor of whatever is needed to help alleviate the flooding problems in the west neighborhoods.

Sincerely,

David Elsasser

David Elsasser
Cell - 847-528-2998
Home - 847-853-9061
E-MAIL tennisdir@yahoo.com

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Prejzner, John

From: Denny Roberts <robertsdenny860@gmail.com>
Sent: Tuesday, November 28, 2017 9:47 PM
To: dist.ntfy.sewers
Cc: Diane Roberts
Subject: Wilmette Stormwater Management Proposals

Dear Wilmette Village Board members and staff - We write to urge the Village Board to take action as soon as possible to resolve the stormwater problem on the west side of Wilmette. The subject has been studied in great detail and many alternatives explored. The time has come to take a position, and we support the adoption of Option #1. To adopt one of the other three solutions would leave residents in the unaddressed areas at risk, action that undermines the public good of all Wilmette.

We believe that the Village Board has complicit responsibility derived from decisions that were made over decades to allow more residential and business development in Wilmette. While these past decisions added revenue for the Village, the infrastructure was not improved to a commensurate degree to make the development viable. Now is the time to rectify the problem; not addressing it will continue to have negative consequences not only for those individuals who live in flood-prone areas, but also on the overall quality of the community, its economic vitality, and reputation.

Sincerely,
Dennis C. Roberts, Ph.D.
Diane V. Roberts
720 LaCrosse Ave.
Wilmette, IL 60091

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From: [Gjaja, Marin](#)
To: [Braiman, Michael](#)
Subject: Comments on the Storm Water Improvement Project
Date: Sunday, December 3, 2017 8:02:12 PM

Mr. Braiman,

Would you please forward this to the Village Trustees regarding the Storm Water Improvement Project?

Thank you

Marin Gjaja

Village Board,

Thank you for all of your fine work on the Storm Water Improvement Project. I believe you have approached this work thoughtfully and carefully despite the many pressures on you. The materials on the website are excellent and make it easy for Wilmette residents to educate themselves on the project and the issues being raised and addressed. I sincerely appreciate the transparency and clarity of the online materials as well as the value-added summaries and FAQs that you have included.

While I think storm water flooding relief west of Ridge Road is a worthy topic for the Village Board to consider for investment, I am strongly opposed to moving forward on any of the 4 options currently up for consideration. Based on what I have seen so far, I think they could represent an exceptionally costly mistake for the Village to fix a problem that I don't think has been adequately dimensionalized. Having read all of the materials on the website, I don't think there is yet sufficient evidence that justifies anywhere near the levels of expenditure being considered.

Until such a time as the Board can address the two concerns I have, I will remain strongly opposed to moving forward. My concerns are:

1. I do not think that the current analysis adequately portrays the cost/benefit economic tradeoff of this investment for Wilmette residents
 2. Given that, I do not think we have considered a broad enough array of options beyond the engineering projects that might provide protection in a more economically efficient way
- [A more detailed articulation of my point of view follows below my signature]

In summary, I think there is more work to do to find better solution options for the Village that address the needs and concerns of residents of West Wilmette residents while also striking a better economic balance with the cost of the investment that the entire Village would be making.

Respectfully

Marin Gjaja

325 Central Ave
Wilmette IL

Let me explain my points in turn:

1. Economic tradeoffs

The materials that the village has shared provide exceptional depth on the functional benefits of the 4 different options for the engineering projects. From those materials, we can very easily understand the amount of flooding that currently occurs by type of storm in multiple locations in West Wilmette, and how that flooding will be reduced and more rapidly relieved by the different options by different type of storm. We can also understand in somewhat lesser detail the potential cost of the four options. However, in all of this analysis, there is little to no assessment of the economic cost of the flooding both in terms of depth and duration of the flooding.

My simplistic take on the storm water improvement project is that it is effectively an insurance policy aimed at reducing the risk of flood depth and duration for a part of Wilmette. As such, it should be evaluated on the same basis as any insurance policy – what is the cost of the insurance relative to the value of the risk that it offsets? Unfortunately, on this basis, I don't feel like the current set of analyses are adequate. There is no quantification that I can find of the three potential costs that I understand to exist: (1) the cost of the inconvenience to residents from street flooding, (2) the cost, if any, from a Village standpoint due to street flooding, or (3) the cost in damage to property or structures from flooding that impinges on properties beyond the street. I would expect that the primary driver of the total cost is #3 – the potential damage to properties and structures.

Unfortunately, the data that the reports do share does not give me a lot of confidence on this front. Based on the analysis presented by the engineering firms, the different options provide incremental protection to the properties for 10 year storms at a cost of \$55-85K per property, and at a cost of \$220-320K per structure. From the materials, this appears to be just the capital cost and does not include any financing cost. This strikes me as exceptionally expensive. If the structures are homes, which I assume is the case for the vast majority of them, a quick scan of homes currently for sale west of Ridge in Wilmette shows a median asking price of approximately \$600K. That says that we are going to spend 40-50% of the value of the median home protected to insure against 10 year storm events. That would only make sense if the damage from the storms at that level was catastrophic.

While I am a big believer in community investments in infrastructure and services, the cost vs benefit at this level seems out of balance. I feel we need more data on the damage potentially incurred to the structures to appropriately evaluate these options. For perspective, this level of cost for the insurance would be economically consistent with expecting about \$100K in damage every 10 years per structure. Is that anywhere close to what Wilmette residents have experienced? Are there any data that can help us dimensionalize this risk?

2. Broader options

If my assessment above is accurate, the current proposal amounts to spending 40-50% of the value of homes to insure against flood risk. If it is that expensive, then there are many other options worth considering. As a community, it might be economically rational to invest substantially to protect high value homes and to buy and demolish low value homes to use as retaining ponds. Similarly, we might consider construction and zoning codes for future building that protects new structures without creating a moral hazard for the community.

Simply put, at \$220-320K per structure, it feels like there is enough head room to evaluate many other creative and more complex options that are worth considering that are more de-averaged than one of 4 large construction projects. That is not meant to disparage the projects or the two firms that developed and reviewed the proposals – they are focused on construction. But there may be other, more economically attractive alternatives.

The Boston Consulting Group, Inc.

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From: [Bielinski, Bob](#)
To: [Frenzer, Tim](#); [Braiman, Michael](#)
Subject: Fw: Sewer
Date: Sunday, December 3, 2017 6:41:00 PM

Bob Bielinski
President, Village of Wilmette
bielinskib@wilmette.com

From: McCarthy, Michael E - PBIG <mike.mccarthy@ml.com>
Sent: Friday, December 1, 2017 9:05 AM
To: Bielinski, Bob
Subject: Sewer

Hi Bob,

I just left you a VM. My contact information is below:
Mccarthy934@yahoo.com

Please don't get railroaded on this west Wilmette water issue.
Thank you

Michael E. McCarthy
707 Laurel
Cell—312-203-1327

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Prejzner, John

From: Gao Family <fanggao@yahoo.com>
Sent: Monday, December 4, 2017 8:56 AM
To: dist.ntfy.sewers
Subject: Fw: Please to approve the option 1: Relief Sewer Project

Dear Village Board:

Please to approve the option 1: Relief Sewer Project

Thanks,

Fang Gao
217 Thlein Ct.
Wilmette, IL 60091

This email has been scanned for spam and viruses by Proofpoint Essentials. Click [here](#) to report this email as spam.

Prejzner, John

From: James Kirby <jameskirby47@icloud.com>
Sent: Thursday, December 7, 2017 7:56 PM
To: dist.ntfy.sewers
Subject: Sewers

I approve. My wife approves.
Move forward with the sewer project.

James and Karen Kirby
809 Redbud Ln

Thanks!

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Prejzner, John

From: comcast <nmaa@comcast.net>
Sent: Thursday, December 7, 2017 8:47 PM
To: dist.ntfy.sewers
Subject: option 1

I am very supportive of option 1 - increasing the capacity of the sewer's capacity and adding pumping power to elevate the storm water out of the system during high rain events, and consider hiring engineers to evaluate homes with chronic problems, and possibly a cost share program to help pay for homeowner remedies.

Thank you for your consideration.

Ned Schwartz
3205 Greenleaf

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