



Village of Whitefish Bay, Wisconsin
Public Works Committee Meeting Agenda

Monday, August 23, 2021 at 4:45pm
Village Hall Second Floor Board Room
5300 N. Marlborough Drive

In-Person Meeting

AGENDA

1. **Call to Order**
- Approved 2. **Review and Approve Minutes of June 29, 2021 Public Works Committee Meeting**
- Approved 3. **N. Bartlett Drive Median Planting request – revised**
- Recommended to Village Board 4. **Resident Day Time Parking Permit on Palisades Road Review and Recommendation**
- Recommended to Village Board 5. **Bay Ridge Traffic Study Review and Recommendation**
- Discussion 6. **Discuss Village Park Planning - Comprehensive Outdoor Recreation Plan (CORP)**
- Discussion 7. **Discuss potential Street Light LED Relamping Project –pilot relamping at 5400 block of N. Kent Avenue**
8. **Next scheduled meeting – to be determined**
9. **Adjournment**

Cc: Village Board, Village Manager, Public Works Superintendent, Department Heads, Village Attorney

Posted: 8/20/2021 Note: It is possible that members and/or possibly a quorum of members of other governmental bodies of the municipality may be in attendance at the above-stated meeting to gather information; action will not be taken by any governmental body at the above-stated meeting other than the governmental body specifically referred to above in the notice.



Public Works Committee Minutes

Wednesday, June 29, 2021 at 4:45 pm

I. Call to Order and Roll Call:

Meeting was called to order at 4:45.

Present: Chairperson Jay Miller, President Buckley, Trustee Serebin, Trustee Haller, Tom Kindschi

Also Present: John Edlebeck – Public Works Director, Paul Boening – Village Manager, Tim Blakeslee – Assistant Village Manager

II. Review and Approve minutes of April 7, 2021 Public Works Committee Meeting:

President Buckley moved to approve the minutes of the March 10, 2021 Public Works Committee Meeting. Tom Kindschi seconded. Motion passed 5-0.

III. Bartlett Avenue Median Planting request

John Edlebeck introduced the topic and the median planting request. He noted that Stephanie Hacker was making the request before the committee. Edlebeck noted there was miscommunication between Ms. Hacker and the Garden Club about what planting beds were already approved by the Public Works Committee. The plantings have already taken place in the Bartlett Ave median.

Stephanie Hacker (1728 E Hampton) summarized her request and noted the benefits of the native species of the plants and the butterflies/animals they attract. She noted the value of the plantings and that she would be maintaining this planting bed. There was discussion from the committee regarding the miscommunication of approval and if kids play in this median area. There was discussion regarding mowing.

Roberta Smallins (4789 N Bartlett) noted she is not in favor of the planting in it's current location. She noted that kids play in that area and the plants are in the way. She brought a note from another neighbor who also noted they were not in favor.

David Schreier (4753 N Bartlett) noted he nor his wife are in favor of the proposal. Believes kids don't have space to play and also doesn't like the look of the planting beds.

The committee discussed the work being done without getting clear permission first. There was discussion about a survey of the surrounding residents. There was discussion about moving the planting bed to another location. Village Manager Boening clarified that Ms. Hacker didn't intentionally plant without asking for permission, but thought this location was approved already.

Robert Crawford (5017 N Palisades) noted that he would be concerned about sight lines if the planting bed was moved too close to an intersection.

There was discussion on timetable. The consensus of the committee was to survey the residents and come back to discuss the results in a month.

Trustee Serebin moved to table the Bartlett Avenue Median Planting request. Tom Kindschi seconded. Motion passed 5-0.

IV. Consider Parking Restrictions on East Side of Berkeley Avenue (Belle Avenue to Montclair Avenue)

Edlebeck summarized the staff memo and the proposed changes to parking on the east side of Berkeley to help the residents during school days. All residents on the block were notified of the proposed change. There was discussion regarding why the east side was chosen, which was because of the driveways and the safety of backing out.

Bob Schmidt (5964 N Berkeley) is in favor the change and noted that it is an accident waiting to happen right now. Had a question about how close someone can park next to a driveway.

Mary Schmidt (5964 N Berkeley) gave some history of the Richard's School addition which caused this problem. She is in favor the change and would encourage the restriction to be all of the time.

Guy Nicolet (5916 N Berkeley) gave context on how many teacher cars this change would effect. He is in favor of the change and noted the restriction is a good start but would like to see additional restrictions and also enforcement.

There was discussion about enforcement timeline and parking next to driveways. There was discussion about advertising the change to the neighbors.

Trustee Serebin recommended that the Village Board consider parking restrictions on east side of Berkeley Avenue (Belle Avenue to Montclair Avenue). Trustee Haller seconded. Motion passed 5-0

V. Village Park Planning for possible future grant applications–CORP (Comprehensive Outdoor Recreation Plan)

Discussion postponed to a future meeting.

VI. Adjournment. Trustee Serebin moved to adjourn at 6:36 pm. Trustee Haller seconded. Motion passed 5-0.



Village of Whitefish Bay

5300 North Marlborough Drive • Whitefish Bay, Wisconsin 53217 • (414) 962-6690

August 6, 2021

Dear Resident(s):

You have received this mailing because you reside within close proximity to the **N. Bartlett Drive median** (between Hampton and Oakland).

On June 29th of this year, the Whitefish Bay Public Works Committee reviewed a submittal from Village resident Stephanie Hacker requesting formal approval for three native planting areas to remain in the median. The Committee did not take action on the request at that meeting but did direct Village staff to contact neighbors in advance of a future meeting. Ms. Hacker has since revised the request and is now seeking approval for the two existing planting areas to remain on the Oakland end of the median. Per the revised request, the third planting area (center of the median) would be removed.

A copy of Ms. Hacker's revised submittal is enclosed. The Public Works Committee will review the request at its next meeting, which is scheduled for **4:45pm on Monday, August 23rd at Whitefish Bay Village Hall**. The meeting will be open to the public, and attendees will be provided an opportunity to speak. Written feedback can also be sent in advance of the meeting to Village Manager Paul Boening at manager@wfbvillage.org. Copies of email messages will be shared with the Committee members.

Sincerely,


Paul Boening
Village Manager

Enclosure

July 27, 2021

Paul Boening, Village Manager
Village of Whitefish Bay
5300 N. Marlborough Drive
Whitefish Bay, WI 53217

RE: Revised Request for Approval of Native Plant Additions and Extensions to the N. Bartlett Drive median, E. Hampton Road to N. Oakland Avenue

Paul,

The purpose of this letter is to revise the June 10, 2021 request for Village approval of existing planting areas in the N. Bartlett Drive median in the Village of Whitefish Bay.

Two of the existing planting areas are ~4' x ~5' extensions on either side of what could be existing yellow twig dogwood shrubbery in the southernmost landscape feature. In these two planting areas are germinated seed of common milkweed, New England aster, and yellow coneflower (along with a few oak varietals that arrived by animal).

A third existing planting area is a standalone ~4' x ~8' space in the center of the median, just north of where N. Bartlett Avenue truncates at the median on its southwest side. In this standalone planting area is transplanted and germinated cup plant, for which I am requesting time to transplant the seedlings.

I understand that the Public Works Committee is the body to approve this request.

Summary of Request: I am requesting that the Village of Whitefish Bay Public Works Committee approve:

- the retention of the two planting areas adjacent the southernmost shrubbery in the Bartlett Drive median, which contain common milkweed, New England aster, and yellow coneflower seedlings;
- for me, as a recent applicant for Whitefish Bay Garden Club membership, to occasionally check in and weed these two extension planting areas;
- the timeline to transplant cup plant out of the standalone planting area, and undertake any site leveling needed. I anticipate this would occur prior to December 31, 2021 with the hope to complete said work by late fall. (I will notify the DPW Director via email once complete.)
- the Village DPW to install grass seed (matching seed used elsewhere throughout the community) in the standalone planting area following completion of the cup plant transplanting.

View looking northeast from N. Bartlett Avenue, with the 3 planting areas highlighted. Planting areas not to scale.



Planting Information: All four aforementioned plant types are self-sustaining Wisconsin native perennials that are critical to pollinator survival. Common milkweed blooms a summer pink, New England aster a late-summer to fall purple, yellow coneflower a summer yellow, and cup plant a summer yellow. For more information, I would suggest reviewing these four plant types through the [unaffiliated] website for Prairie Nursery in Westfield, Wisconsin. Common milkweed spreads by both seed and rhizome; New England aster, yellow coneflower, and cup plant are all fibrous plants that spread by seed.

Planting Value: At 100% seed germination¹, these planting areas now contain the following seed / plant value per consumer pricing listed on Prairie Nursery's website:

- Common Milkweed: at 2oz (8,000 Seeds) \$60.00 / at 3" Pots bulk pricing \$23,920.00
- New England Aster: at ¼oz (17,500 Seeds) \$16.00 / at 3" Pots bulk pricing \$52,325.00
- Yellow Coneflower: at ¼oz (6,750 Seeds) \$6.00 / at 3" Pots bulk pricing \$20,182.50
- Cup Plant: at 5oz (7,000 Seeds) \$100.00 / at 3" Pots bulk pricing \$20,930 (requesting to transplant).

Host Plants, Pollinator and Bird Impact, Environmental Impact, and Public Health

Impact: Native flowers provide benefits to all pollinators, upon whom we rely to grow our food and pollinate all plants. This statement is well researched and documented in scientific publications. Up until this point, the Bartlett Avenue median has provided few if any native perennial plants² to benefit these critical contributors.

It doesn't take long to search national headlines in 2021 before coming upon the benefits of native plantings on our health, our food production, and our ecosystem. A look at California's current efforts to plant 30,000 milkweed provides one of many examples:

¹ While 100% seed germination is unlikely, allow us to use this assumption for the value scenarios.

² This excludes all trees, shrubs, and mowed turf on the Bartlett Avenue median, some of which may be native.

<https://www.nytimes.com/2021/06/01/science/butterfly-habitat-california.html>

Common milkweed is a host plant for the Monarch butterfly. New England aster is a host plant for the Pearl Crescent and Gorgone Checkerspot butterflies along with the Northern Flower moth. Without these plants, these butterflies and moths have no place to nurture offspring. Birds, including migratory birds, enjoy the aster, coneflower, and cup plant seeds.

An additional factor that many often overlook is how plantings are grown and cultivated. Nursery plants can be treated with pesticides and herbicides, effectively tainting plants and making them poisonous to pollinators. Nurseries that are neonicotinoid-free sell plants that are safer for pollinators to consume. It is difficult to measure how many plants in the Whitefish Bay landscape are from neonicotinoid-free growing environments. When viewing Whitefish Bay's greenery through this lens, it is important to state that these common milkweed, New England aster, yellow coneflower, and cup plant seeds are descendants from plants of neonicotinoid-free nurseries (e.g. Agrecol, Prairie Nursery, and Taylor Creek).

The positive environmental and public health impacts of native plants with deep root systems on air quality, water quality, soil quality and carbon storage is also well documented. So, too, is the research on the beneficial public health impacts of native plants or flowering plants in terms of mental health. I will only preview here the importance of "more than just grass", especially non-chemically treated landscapes, on multigenerational health outcomes – including positive health outcomes on children through interactive outdoor play.

Village and Whitefish Bay Garden Club Support: To structure the installation and maintenance of these planting areas, I first contacted Village DPW in December 2020, who requested that I coordinate with the Whitefish Bay Garden Club (WFBGC). I then spoke with a WFBGC co-President about this effort in Spring 2021, met informally with Garden Club members in June 2021, and applied for membership to the Whitefish Bay Garden Club in June 2021. From these conversations, I interpreted that the Village had approved the expansion of pollinator plantings in the Bartlett Drive median through a prior submittal and approval of the organization's "pollinator project", which I first saw on July 15, 2021, and that the reason Bartlett Drive had not yet seen pollinator plantings was simply due to capacity limitations of the WFBGC membership. I was unaware that the Bartlett Drive median was not included in the "pollinator project" approval until I was contacted by a Village staff member in May 2021, after I had completed the initial planting.

The WFBGC does not formally convene in summer, and therefore this project is set for review and formal approval by all membership as soon as feasible. The Garden Club respects their process and anticipates support, and has stated its level of support through an email to the Village Manager on June 11, 2021.

Maintenance to-date and Upcoming Maintenance Timeline: Upon learning in late May 2021 that the Bartlett Drive median was in fact not included in the Village-approved Whitefish Bay Garden Club pollinator project as I previously interpreted, I paused on regular weeding out of respect for process. As a result, the garden beds suffered from the negative perception of a few nearby property owners, and the standalone cup plant area was mowed or weedwacked. New shoots of cup plant remain; I believe these seedlings can all be transplanted.

Following Village approval and at the Village's request, I can host a site visit with members of the Garden Club and Village DPW, during which time we can affirm the following maintenance plan details:

- Throughout the remainder of 2021, I will weed around germinated natives in the two extension planting areas in the southernmost shrubbery section. (By the 2022 season,

these planting areas will need significantly less weeding due to the strength and shade cover of the established native plants.)

- Throughout the remainder of 2021, perhaps before the end of fall if able, I can transplant the cup plant seedlings out of the standalone bed and conduct any site grading needed, then notify the Village that the empty bed is ready for grass seed.

Thank you for your consideration. I look forward to discussing this matter with you and the Public Works Committee as soon as convenient for the Village.

Sincerely,
Stephanie Hacker

cc Anne O'Connor

View of the full Bartlett Avenue median between E Hampton Road and N Oakland Avenue..





Village of Whitefish Bay

5300 North Marlborough Drive • Whitefish Bay, Wisconsin 53217 • (414) 962-6690

August 13, 2021

Dear Palisades Road Resident(s):

At its upcoming meeting on August 23rd, the Whitefish Bay Public Works Committee will discuss the possibility of adding Palisades Road to the list of streets in which residents may obtain a "Daytime Parking Permit."

Palisades Road is being considered due to the 1-hr parking limit that is in place. The Committee will be tasked with forwarding a recommendation to the Village Board. If ultimately approved, residents who live on Palisades would be able to obtain a permit (free of charge) that would enable them to park in excess of the posted limit. However, residents would still need to comply with the overnight parking provisions.

The Public Works Committee meeting is scheduled for 4:45pm on Monday, August 23rd at Whitefish Bay Village Hall. The meeting will be open to the public, and attendees will be provided an opportunity to speak. Written feedback can also be sent in advance of the meeting to Village Manager Paul Boening at manager@wfbvillage.org. Copies of email messages will be shared with the Committee members.

Sincerely,


Paul Boening
Village Manager

August 11, 2021

Memo to: Village Manager Paul Boening
Acting Police Chief Pat Whitaker
From: John Edlebeck, P.E., Village of Whitefish Bay Director of Public Works
Re: **Traffic Safety Study and Recommendation**
Bay Ridge Avenue: Devon Avenue to Lake View Avenue

I have completed a traffic safety study review of the above described roadway and intersections and their associated traffic control. The traffic safety study for this section of roadway has been prepared in cooperation with and supported by the Whitefish Bay Police Department staff. The study follows a previous Bay Ridge Avenue Traffic Safety Study that was completed by myself on October 3, 2018. It was reviewed and approved by the Village Board at that time. The study, which utilized the assistance of traffic safety consultant Traffic Analysis and Design, Inc, outlined 9 recommended action items that were subsequently then implemented by Village staff.

Bay Ridge Avenue: Devon Avenue to Lake View Avenue

Existing Traffic Control: Devon Avenue: 4 way stop control

Monrovia Avenue: 2 way stop control for east / west bound traffic only

Montclair Avenue: 4 way stop control

Belle Avenue: 2 way stop control for east / west bound traffic only

Day Avenue: 4 way stop control

Lake View Avenue: 4 way stop control

Roadway Classification: Neighborhood collector with local cross roads

Land Use Adjacent: Residential and school

Traffic Generators: Neighborhood local traffic
Cut through traffic for north / south movement through Village
Dominican High School
Bay Shore Development

Pedestrian Volume: Moderate pedestrian volume (all types-school, leisure, etc....)

Bicycle Volume: Minimal to moderate bicycle volume

Pavement Widths: Approximate pavement width of 30-32 feet

Parking: 1 hour parking restrictions south of Montclair Avenue on Bay Ridge Ave.
Parking utilization is moderate

Accident History: (2015-current 2021) – 6 years 7 months = **6 total**
2 accidents- vehicle disregarded 2 way yield sign – t-boned crossing vehicle
3 accidents– vehicle disregarded 2 way stop sign - t-boned crossing vehicle
1 accident - vehicle disregarded 4 way stop control - was sideswiped by crossing vehicle

Sight Distance: Good sight distance at cross streets and driveways

Speed Limit: 25 mph

85% Approach Speeds*:

6049 N. Bay Ridge Avenue – South Bound

June 7 – June 16, 2018: **25.70 mph** **Speed display off**
Maximum 85% speed = 28.9mph (6:00-7:00)

June 26 – July 2, 2021: **26.91 mph** **Speed display off**
Maximum 85% speed = 28.3mph (6:00-7:00)

July 2-July 9, 2021: **26.25 mph** **Speed display on**
Maximum 85% speed = 27.5mph (7:00-8:00)

5924 N. Bay Ridge Avenue – North Bound

June 16 – June 24, 2018: **24.03 mph** **Speed display off**
Maximum 85% speed = 28.0mph (8:00-9:00)

July 9 – July 14, 2021: **26.39 mph** **Speed display off**
Maximum 85% speed = 27.8mph (8:00-9:00)

July 17-July 23, 2021: **25.92 mph** **Speed display on**
Maximum 85% speed = 27.7mph (7:00-8:00)

**85% of all vehicles are at or below this speed*

Roadway Volume: 6049 N. Bay Ridge Avenue
 2252 ave vehicles per day (2018)
 2048 ave vehicles per day (2021)
 1632 ave vehicles per day (2021)

5924 N. Bay Ridge Avenue
 1172 ave vehicles per day (2018)
 1256 ave vehicles per day (2021)
 1315 ave vehicles per day (2021)

Vehicles over 30mph:

6049 N. Bay Ridge Avenue
 3.8% (2018)
 2.9% (2021)
 1.8% (2021)

5924 N. Bay Ridge Avenue
 3.1% (2018)
 2.7% (2021)
 1.7% (2021)

Any other Factors: None

Recommendation:

After reviewing all of the above data, the accident reports and other factors at this intersection I have recommended the following:

Due to the increase in the 85% speed since 2018, moderately high traffic volume along with the number and types of accidents experienced here, I am recommending that:

1. **Bay Ridge Avenue / Monrovia Avenue intersection be converted from a 2 way stop control east / west to a 4 way stop control intersection**
2. **Bay Ridge Avenue / Belle Avenue intersection be converted from a 2 way stop control east / west to a 4 way stop control intersection**

I estimate that the above recommended intersection traffic control changes may have eliminated or reduced 5 of the 6 above previous accidents experienced.

If additional recorded accidents or other observances are reported or occur at this location I would be willing to re-evaluate this roadway for any needed recommended traffic control or safety changes.

Feel free to contact me if you should have any additional questions or comments

June 24, 2021

Memo to: Chairperson Miller and Members of the Public Works Committee

From: John Edlebeck, P.E., Village of Whitefish Bay Director of Public Works



Re: **Village Park Planning - Comprehensive Outdoor Recreation Plan (CORP)**

During recent Village Board discussions related to the Cahill Park tennis court resurfacing, several trustees stated that they would like Village staff to investigate future grant opportunities to assist in funding the ultimate reconstruction of these tennis courts, including pavement, lighting and fencing.

In the process of investigating possible private, local, state and federal funding sources, I found that many of those grant opportunities require a current Comprehensive Outdoor Recreation Plan (CORP). To my knowledge, the Village has never completed a CORP. The Village did work with the Southeast Wisconsin Regional Planning Commission (SEWRPC) in 2001 to prepare a Village Needs Assessment of Park Sites and Recreational Facilities.

We contacted SEWRPC and discussed the CORP and the ability of SEWRPC to provide those services. SEWRPC estimated their fees to complete a CORP for the Village would preliminarily be in the range of \$12,500 - \$20,000. The CORP would address and evaluate all of our park and recreation assets, compare those assets and the recreational opportunities provided to state and federal standards and then identify possible needs, deficiencies or goals for improvements. There are several private consultants that would also be able to complete a CORP for the Village.

Recommended Action:

Request that Village staff include the cost for the preparation of a CORP study in the proposed 2022 Village budget.



Joel E. Dietl, AICP | Chief Land Use Planner
Joel.Dietl@sewrpc.org | 262.953.3266
W239 N1812 Rockwood Drive
P.O. Box 1607
Waukesha, WI 53187-1607
sewrpc.org/news



From: Muhs, Kevin J. <kmuhs@sewrpc.org>

Sent: Friday, May 21, 2021 8:46 AM

To: Blakeslee, Tim <T.Blakeslee@wfbvillage.org>; Edlebeck, John <J.Edlebeck@wfbvillage.org>

Cc: Dietl, Joel E. <joel.dietl@sewrpc.org>; McKay, Benjamin R. <bmckay@sewrpc.org>

Subject: RE: Comprehensive Outdoor Recreation Plan (CORP) assistance - Whitefish Bay

Hi Tim, John:

It was good to meet with you yesterday. As discussed, I'm following up with a decent example of the content and type of information that could potentially be included in a CORP for Whitefish Bay, which can be found here:

http://www.sewrpc.org/SEWRPCFiles/Publications/CAPR/capr-271_park_plan_union_grove.pdf.

A few key differences: Union Grove's plan contains a substantial discussion of natural areas and open space that largely wouldn't apply to the Village; Union Grove is not built out and therefore there is a greater emphasis placed on potential future facility needs related to population growth; and this plan is from 2003 and therefore any plan done by the Commission for the Village would have updated formatting and could have a greater emphasis on graphics and visuals if that is something you would like.

In our research, we did find that the Commission had done some park-related work for the Village in the past, although it was not a full park plan. Please see attached in case you were unaware.

We believe that the fee for a Park and Open Space Plan for the Village would be between \$12,500 and \$20,000, based on what we've charged for similar efforts recently, although the final amount would depend on the content of any agreed upon scope.

Please don't hesitate to reach out if any of this information generates any additional thoughts or feedback from the Village. Joel will be following up in the next couple weeks with some questions that will help him develop a draft scope for the Village's consideration.

Thanks,
Kevin



Kevin Muhs, PE, AICP | Executive Director
kmuhs@sewrpc.org | 262.953.4288
sewrpc.org/news



August 19, 2021

Memo to: Chairperson Miller and Members of the Public Works Committee

From: John Edlebeck, P.E., Village of Whitefish Bay Director of Public Works

Re: **Potential Village Street Light LED Relamping Project**
Pilot test area – 5400 Block of N. Kent Avenue

The Public Works Department staff have been working on a project to potentially relamp all of our Village street lights with LED lamps. The Village owns and operates all of the pedestal street lights in the Village, currently utilizing High Pressure Sodium (HPS) lamps in those street lights.

<u>Existing Lamp Type</u>	<u>Count</u>
70 watt HPS	1150
100 watt HPS	350

The current power charges for these Village street lights exceed \$92,000 per year. An expected \$72,000 per year savings could be realized by installing 20-25watt LED lamps. With an expected cost of \$288,000-\$300,000 to relamp all of our Village street lights, a simple payback of 4.0-4.1 years is calculated.

The Public Works Department has selected the 5400 block of N. Kent Avenue as a pilot test location. Recently 20watt LED lamps have been installed with a low Kelvin rating to keep the light color cooler and more appealing. Please review this test location some evening and return comments to myself and Chairperson Miller as to the light brightness, color acceptability and cost savings. If the project continues to be considered further, I would also want the Whitefish Bay community at-large to review the pilot test area and return comments to Village staff and elected officials on the light brightness, color acceptability and cost savings.

If the Village Board eventually does supports this project, funding can either be included in the proposed 2022 Village Borrow or through the use of a private funding source via a performance contract that takes advantage of private tax credits and grants (see attached sheet). In addition, a Focus on Energy grant for this project would be applied for by the Village to further reduce the payback period. That grant amount is unknown at this time.

PROPOSED LED STREET LIGHT RETROFIT PROJECT

OPTION #1 Village Finance (install in 2022)

Materials	\$ 60,000	
Labor	\$150,000	
<u>Borrow Interest = 1.6% for 20 years</u>	<u>\$ 78,687</u>	<u>(present worth)</u>
Total	\$288,687	
Bid Spec Manual Preparation	\$ 7,000	
Delay in savings costs	\$??	(\$6,000 lost savings every month of delay)
<u>Village Staff Management Time</u>	<u>\$ 5,000</u>	<u>(Design, bidding, contract admin, construction inspection)</u>
Estimated Total Cost	\$300,687 +	

<u>YEAR</u>	<u>PAYMENT</u>	<u>SAVINGS</u>	<u>NET</u>
Year 1	\$ 15,000	\$72,000	\$57,000
Year 2	\$ 15,000	\$72,000	\$57,000
Year 3	\$ 15,000	\$72,000	\$57,000
Year 4	\$ 15,000	\$72,000	\$57,000
Year 5	\$ 15,000	\$72,000	\$57,000
.....			
Year 20	\$ 15,000	\$72,000	\$57,000
Year 21	\$ 0	\$72,000	\$72,000
Estimated Cost	\$300,000*		\$1,212,000

OPTION #2 Performance Contract (install in 2021 or early 2022) – 3 month installation

<u>YEAR</u>	<u>PAYMENT</u>	<u>SAVINGS</u>	<u>NET</u>
Year 1	\$ 72,000	\$72,000	\$0
Year 2	\$ 72,000	\$72,000	\$0
Year 3	\$ 72,000	\$72,000	\$0
Year 4	\$ 36,000	\$72,000	\$36,000
Year 5	\$ 36,000	\$72,000	\$36,000
Year 6	\$ 0	\$72,000	\$72,000
.....			
Year 21	\$ 0	\$72,000	\$72,000
Estimated Cost	\$288,000*		\$1,224,000

John Edlebeck, P.E.
Village of Whitefish Bay Director of Public Works
7/30/21