



Public Works Committee Meeting

Monday, July 15, 2019 at 4:30 pm

**Whitefish Bay Village Board Room – 2nd Floor
5300 N. Marlborough Drive**

AGENDA

1. Call to Order
2. Review and Approve minutes of April 15, 2019 Public Works Committee Meeting
- No Action 3. Discuss and Possible Recommendations on current Village Emerald Ash Borer Management Plan
- Recommended to Village Board 4. Discuss and Possible Recommendations on draft Village Public Storm Sewer Sump Pump Collection Main Installation Policy
5. 2019 Project Update
6. Next scheduled meeting –Monday, August 12, 2019 @ 4:30pm (tentative)
7. Adjournment

Posted: July 12, 2019

Upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals through appropriate aids and services. Contact Whitefish Bay Village Hall at (414) 962-6690. It is possible that members of and possibly a quorum of members of other Boards, Commissions, or Committees of the Village including in particular the Village Board, may be in attendance in the above stated meeting to gather information; no action will be taken by any other Boards, Commissions, or Committees of the Village except by the Board, Commission, or Committee noticed above. Agendas and minutes are available on the Village website (www.wfbvillage.org)

Cc: Village Board; Village Manager, Department Heads; Village Attorney



Public Works Committee Minutes

Monday, April 15, 2019, at 5:00 pm

Whitefish Bay Village Board Room

I. Call to Order and Roll Call:

Present: Trustee Serebin, Trustee Davis, Tom Kindschi

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

The meeting was called to order at 5:00 pm by Village Manager Paul Boening in the absence of Chairman Jay Miller. **Trustee Serebin moved to nominate Trustee Davis as Chairman. Seconded by Tom Kindschi. Motioned passed 2-0 with Trustee Davis abstaining.**

II. Review and Approve minutes of March 18, 2019 Public Works Committee Meeting:

Tom Kindschi moved to approve the minutes of the March 18, 2019, Public Works Committee Meeting. Trustee Serebin seconded. Motion passed 3-0.

III. 2019 MMSD Private Property Infiltration and Inflow (PPII) Reduction Funding Agreement

Public Works Director John Edlebeck stated that this is a recommendation to the Village Board to accept the agreement from MMSD. There was a discussion on changing MMSD requirements related to using a single source vendor and they wanted to see other technologies be considered.

Trustee Davis asked if we will be required to use new technologies. Edlebeck said he wasn't sure at this time, but we may have to make a value judgement in the future. There was a discussion on more bids at various price levels with new technologies.

Trustee Davis asked about pipe bursting in comparison to what is being used now. Edlebeck said a steam curing method is used now and it is proprietary. Tom Kindschi asked about televising lines. Edlebeck said that is part of the new agreement and lines will be televised more often. The Village recently televised a number of lines replaced last year and all of them are in good shape.

Trustee Serebin asked what the work schedule would be and about the number of homes completed this year. Edlebeck said the number would be between 40 and 50 and work would begin in the next couple months after plans and specs are approved. There was a discussion on what areas should be focused on for future replacements and getting data on how useful the replacements have been.

Tom Kindschi moved to recommend the Village Board approve 2019 MMSD Private Property Infiltration and Inflow (PPII) Reduction Funding Agreement. Trustee Serebin seconded. Motion passed 3-0.

IV. Proposed Public Works Facility 20kV Passive Solar Panel Array Project - FOE RECIP grant

Public Works Director John Edlebeck provided a summary of the project. He also mentioned that this item is just about approving the grant request and does not mean that Village will move forward with the project.

There was a discussion about the contractor, the contract, and the potential village savings. Trustee Serebin asked about maintenance cost of the solar panels. Edlebeck said there will be little maintenance and most items will be covered under warranty. Trustee Davis discussed the potential savings of this program vs. the solar now program. Tom Kindschi asked about how the solar panels are mounted to the roof. Edlebeck provided a breakdown of that process. There was discussion about the weight of the panels and the roof.

Trustee Serebin asked if the grant acceptance date was extended. Edlebeck said that it was. Paul Boening stated that Milwaukee is dealing with an issue with WE Energies and a solar project. Edlebeck said Milwaukee's issue is a little bit different because they are looking to purchase power from an outside provider.

There was discussion with Trustee Serebin and Trustee Davis regarding project value and the contract. Edlebeck said that Attorney Jaekels can provide more information on that angle in the Village Board meeting, but that he is helping to work out the logistical details.

Trustee Serebin moved to recommend the Village Board approve the acceptance of the Village of Whitefish Bay 200 kV Passive Solar Array Project FOE RECIP award amount of \$82,809.21 and agree to finance the project with no coownership agreements. Tom Kindschi seconded. Motion passed 3-0.

V. 2019 Projects Update:

Edlebeck said the Day Ave water main project is proceeding on schedule.

VI. Next scheduled meeting – May 20, 2019 (tentative)

VII. Tom Kindschi moved to adjourn at 5:54 pm. Trustee Serebin seconded. Motion passed 3-0.



Village of Whitefish Bay
5300 N. Marlborough Drive
Whitefish Bay, Wisconsin 53217

Phone: 414-962-6690
Fax: 414-962-5651

Memorandum

To: John Edlebeck, Public Works Director
From: Kevin Kaegi, Public Works Superintendent
Date: July 10, 2019
Re: Public Works Committee Meeting

Please refer to the attachment from Nathan Schuettelpelz of Wachtel Tree Science and Service. Nathan and John Gall will be attending the upcoming Public Works Committee meeting in order make a presentation on the progress and benefits of our EAB Program which began back in 2011.

Prior to the initiation of the Program (2010) the percentage of ash trees on our village streets totaled 47%. Currently that percentage has been reduced to 28%. Along with removing and replacing ash trees, our program also includes treating and protecting approximately 1,900 ash trees, which accounts for approximately 78% (1,900/2,421) of the remaining ash trees currently on our village streets.

Emerald Ash Borer was first confirmed in Whitefish Bay back in 2017 on a privately owned ash tree on the 6000 block of Lake Dr. Since then the damage to privately owned ash trees has been evident in areas along Lake Dr. and Palisades and Lake Dr. and Woodburn. This past winter EAB was confirmed on a village owned ash tree in the 4600 block of Ardmore. That tree was removed promptly. An ash tree, close to the Lake, in Klode Park was removed last year due to EAB. To summarize, EAB is present and active within the Village of Whitefish Bay, therefore it is essential that we remain committed to our EAB Program going forward.

Village Emerald Ash Borer Management Summary 2011-2018

State of the Village Urban Forest 2011 (Street Trees)

- 8,622 total street trees
- 51 tree species
- 4,079 Ash trees
- 47% Ash component of total population
- 90% Street Tree population – 3 Genera
- 121,332" total trunk diameter inches (DBH)
- 13.7" Avg. DBH
- 1,227 trees less than 6" DBH
- \$15,783,723.36 Total Tree Value
- \$1,782.67 Avg. Tree Value

State of the Village Urban Forest 2019 (Street Trees)

- 8,610 Street trees
- 70 tree species
- 2,421 Ash Trees
- 28% Ash component of total population
- 90% Street Tree population – 7 Genera
- 119,716" total DBH
- 13.9" Avg. DBH
- 2,241 trees less than 6" DBH
- \$17,622,858 Total Tree Value
- \$2,046.79 Avg. Tree Value

Emerald Ash Borer Management Costs

- \$1,650,270 spent between years 2011-2018
- \$206,283.75 avg. spent annually
 - 1,540 Ash Trees removed
 - 1,450 Trees planted
 - 1,396 avg. Ash Trees treated annually

EAB Management Key Lessons

- Removed a lot of Ash trees, but replanted and treated a lot of trees as well
- More diversity in tree species equals a healthier urban forest
- Only lost 1% of total trunk diameter population
- Average tree size **GREW**
- Overall Tree Population value **GREW**. Increase of **\$1.8M**
- Benefit/Cost Ratio of 1.114 -or- **ROI of 11.4%**

July 10, 2019

Memo to: Chairman Miller and Members of the Public Works Committee
From: John Edlebeck, P.E., Director of Public Works

Re: **Review and possible recommendation on draft Village Public Storm Sewer Sump Pump Collection Main Installation Policy**

Last year the Public Works Committee discussed the request by two residents on Circle Drive for approval by the Village to discharge their existing active private foundation drain sump pump discharge pipes out through the curb face in front of their property, discharging directly onto the street. Both homes' private foundation drain sump pump lines discharged onto the grass in their front yards. As an alternative, the residents also requested the Village fund the construction of their underground private foundation drain storm water sump pump lateral connection into an existing nearby gutter roadway public storm sewer inlet.

These two active private sump pump discharge pipes, at various times in the year, flowed water over the public sidewalk and down the adjacent residence driveway aprons into the street, creating health and icing safety issues. It has been the Public Works Department's policy to not allow residents to cut a hole in the curb face and connect their private sump pump discharge pipe that discharges directly in the street. This causes water shooting out into the roadway, slippery gutters in the summer months and ice buildup in the gutters in the winter.

The Public Works Department has allowed residents in the past to construct a direct underground private sump pump discharge lateral connection from their house to the existing roadway storm sewer inlet at the homeowner's expense. That is ultimately what each affected Circle Drive resident did at their expense.

At this time we have several residents in the 4600 block of N. Wildwood Avenue that have active sump pumps that discharge at grade that have contacted the Village. During certain times of the year these private sump pump flows create slippery conditions on the public sidewalk and gutter in the summer months and ice buildup on the public sidewalk and gutter in the winter months. Our staff has met with some of the residents on this block to discuss this existing situation and to begin to look into options that might be available to remedy this health and safety matter. This block is also proposed to be included in the 2019 Village Pavement Mill and Overlay Project.

Since the roadway naturally drains to the south, I did contact the Village of Shorewood Public Works Director to discuss the possible extension by Whitefish Bay of the existing Shorewood dead end storm sewer on the village border as part of any possible remedies. There has not been a determination or approval yet on that request.

Attached is a draft Village Public Storm Sewer Sump Pump Collection Main Installation Policy that staff is bringing forward to the Public Works Committee for discussion and possible recommendation. Note that this draft policy does match actions taken by the Village in the past, including actions taken with the Circle Drive residents.

The key points that relate to this draft policy are that:

1. The private sump pump flows need to be such that they are creating a health and safety concern relating to slippery public sidewalks and gutters in both summer and winter months.
2. There is no existing public storm sewer main on that block that is available for the residents to connect to.
3. The roadway is up for a pavement mill and overlay so there are avoided cost in pavement replacement for any proposed underground pipe installation work.
4. The residents pay the full expense of the private sump pump lateral connection to the public main.
5. At least one resident is willing to connect to the new public storm sewer main installed with some form of security submitted to the Village.
6. Upon meeting all of the above criteria, the Village would install, at Village expense, at minimum a sump pump collection line or public storm sewer on that street where needed and where technically feasible, that residents can connect to.

We can also discuss at the meeting the status of private sump pump lines in the 4600 block of N. Wildwood Avenue as well as where our staff is aware of other similar conditions around the Village.

Upon any action on a policy relating to this matter by both the Public Works Committee and Village Board, our Public Works Department staff can then further develop options for N. Wildwood Avenue as well as possibly other locations in the Village as the criteria is met.

Proposed
Village of Whitefish Bay, WI
Public Storm Sewer Sump Pump Collection Main
Installation Policy

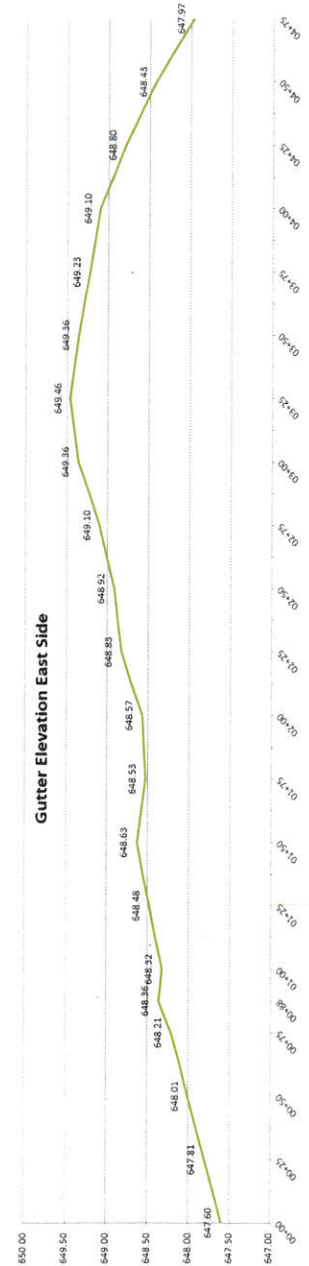
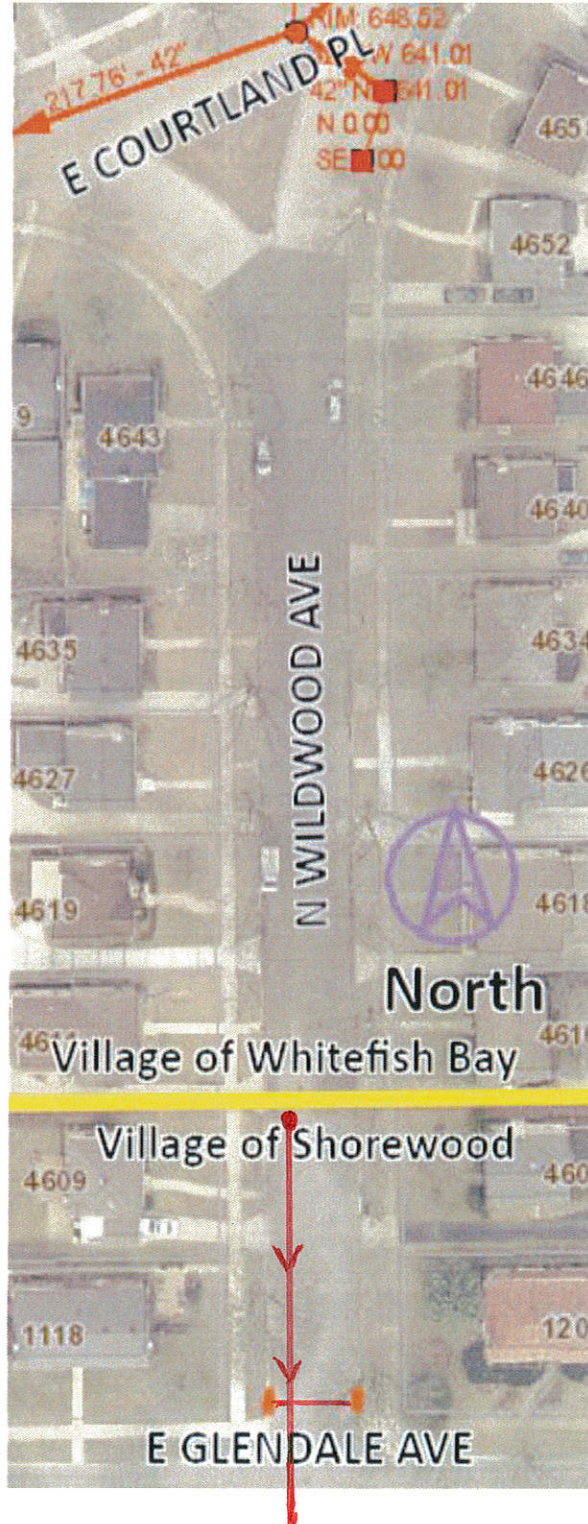
Draft: July 1, 2019

John Edlebeck, Director of Public Works

1. Install full public storm sewer sump pump collection system with laterals to the property line for each property during all road reconstruction projects at Village expense if there is an expectation there will be use of that system now or in the future.
2. Village Public Works Department staff identify and maintain a list of known high flow surface sump pump discharge locations that result in ongoing iced / slippery sidewalk conditions creating health and safety concerns.
3. Install public sump pump collection mains without laterals on all mill and overlay projects that have known high flow surface sump pump discharge locations that result in ongoing iced / slippery sidewalk conditions creating health and safety concerns.
 - A. Public storm sewer sump pump collection mains installed at Village expense.
 - B. Private property storm sewer laterals to be constructed from the new public storm sewer sump pump collection main to the property line at resident expense. This follows that same Village policy taken recently with several Circle Drive residents.
 - C. Need commitment from at least one adjacent property owner to connect to the public sump pump collection main with security deposited with the Village for the Village to proceed with this project.



Spencer Charczuk, E.I.T.
Staff Engineer
Village of Whitefish Bay
June 17, 2019



Current
Village of Whitefish Bay
Public Works Department
Projects
July 10, 2019 - Update

Circle Drive Area Street Light Replacement Project

This street lighting system has been replaced and turf restoration completed. One street light at Birch/ Danbury has been back ordered and is expected to be installed soon.

Day Avenue Watermain Project

Newly relocated watermain and five new residential water services have been installed with turf and paving restoration completed. Final course of asphalt on the driveway to be installed this fall following any settlement of the excavation.

Public Works Facility Solar Panel Array Installation Project

Work will begin in July on the equipment installation. Project to proceed with completion expected by September/October at this time due to the delay in solar panel delivery. An extension of the completion date for the Focus on Energy grant has been requested and is expected to be granted.

Lake Drive Resurfacing Project

Work began on July 8th on the first of three phases. The first phase began on the south end from E. Glendale Avenue to N. Cumberland Boulevard south of Pandl's (approximately 1 mile). This phase is expected to be paved July 12, weather permitting. They will then move on to phase 2 the week of July 15. An expected one day Lake Drive closure with a marked detour route is planned for Tuesday, July 16 to accomplish the milling and paving in that one day of the Ardmore/ Lake/Henry Clay as well as Silver Spring / Marlborough / Lake intersections. A total of 20 working days are allotted for the entire project.

Bay Ridge Traffic Signal DOT HSIP Safety Project

Work is progressing after some unexpected additions / delays to the project. An expected August final completion date is scheduled at this time.

Sidewalk Improvement Project

Work began July 8 with completion scheduled for August.

Fire Station Remodeling Project

Demolition work has begun on the first phase of the project. An early fall completion date is expected.

Santa Monica / Silver Spring Traffic Signal, Silver Spring Lighting and 14 intersection DOT HSIP Safety Project

A late July preconstruction meeting is being scheduled. Work will then proceed August through late fall.

Alley Reconstruction Project

A preconstruction meeting has not been held yet for this project. No construction schedule has been established yet for a fall completion.

Upcoming Projects

- PPII Lateral Lining Project (August – November)
- Utility Rehabilitation Project (August)
- Silver Spring Park (July/ August)
- (late Summer / Fall)
- Mill and Overlay Project (Fall)
- Utility Lining Project (Fall / Winter)