



Capital Improvements Committee

April 18, 2017

MEETING SUMMARY

A meeting of the Capital Improvement Committee of Oshtemo Township was held on Tuesday, April 18, 2017 at 1:00 pm in the north meeting room of Oshtemo Township, 7275 West Main Street, Kalamazoo, Michigan. Persons in attendance included Dave Bushouse, Libby Heiny-Cogswell, Nancy Culp, Marc Elliott, Jim Porter, Jamie Baker, Tom Wheat, and Mark Warden.

1. Welcome/Introductions/Call to Order: Dave Bushouse called the meeting to order and welcomed members and guests.
2. Q&A on the Witnessed Bid Opening: Four bids were opened for the water extension project for W J Ave, N 2nd St, and Maple Hills Estates. See Attachment I for the list of bids.
3. Meeting Summaries: The meeting summaries for 7/26/2016, 10/18/2016, and 1/17/17 meetings were reviewed and approved by members upon motion by Culp and support by Libby.
4. KL Ave Public Sanitary Sewer, Alternate Scope: The KL Ave Sanitary Sewer project bid opening is scheduled for Monday, May 1, 2017 at 2 pm. Elliott explained that during engineering design, the project scope was expanded to include an additional 700 feet of sewer south under 8th St as an alternate scope of work. A development project is currently proposed for the end parcel to be served by the 8th St extension. Elliott also explained that the sewer project will serve an industrial area and that the existence of the sewer may help attract other industries that were reluctant to move to area due to lack of sewer. Bushouse asked if the 8th and KL Ave intersection would have stub piping extended north on 8th St and west on KL Ave to prevent future construction having to tear up the intersection again. Elliott clarified that there will be stub pipes for northerly 8th St and westerly KL Ave. The Committee approved the 700 feet of additional sewer under 8th St as an alternate scope of work upon motion by Libby and support from Culp.
5. Pre-Application, Neighborhood Sanitary Sewer Extension: Elliott briefed the Committee that the Pre-Application has been submitted to the USDA seeking \$25.5M in loan and/or grant funds from Rural Development monies available for sanitary sewer improvements. The pre-application is to determine eligibility, funding/grant availability, and financing costs. Elliott briefed the map of planned sewer extensions and how the neighborhoods were selected based on failing roads and age of septic systems. Elliott also briefed the financial aspects of the loan and costs to residents to connect to the sewer system and ultimately repay the Township loan.

6. Sanitary Sewer FAQ – USDA Rural Development Grant/Loan: Elliott brief the frequently asked questions (FAQs) document created by the Township staff. The purpose of the document is to explain why the sewer extensions are needed and how much it will cost for a resident to connect to the sewer system.
7. Vision & Mission Statement (Core Values): Libby briefed the Township Board retreat and special meeting for strategic planning and visioning. Libby then explained the follow on steps to generate Township Goals. Then an all staff retreat was conducted to generate specific objectives to accomplish the goals. The Township staff are currently in the process of revising the objectives in a SMART format (Specific, Measurable, Attainable, Related to Jobs, and Timely). The Township staff are also combining the objectives into actionable project management plans.
8. 2017 Roadway Projects: Elliott briefed the planned 2017 roadway projects. Elliott explained changes to the plan based on planned development on Stadium Park and Tuscany East. Worden discussed the results of different chip seal aggregates used in 2016. Blast furnace slag did not perform well and will not be used again. All 2017 chip seal projects will use an aggregate that performed very well in 2016.
9. N 10th St Sanitary Sewer Pump Station: Tom Wheat (Prein & Newhof) briefed the results of the N 10th St sanitary sewer pump station testing. The mechanical testing was satisfactory while the control panel requires more work to finalize the Programmable Logic Controllers (PLCs). The load bank test for the generator was being conducted during the meeting and results were not yet available.
10. Misc. Capital Projects Updates & Information: Staff briefed members and welcomed further discussions on the other capital infrastructure projects underway in Oshtemo.
- Autumn Grove Condominiums, N 9th St
 - Holiday Inn & Holiday Express, Westgate development off Maple Hill Drive
 - Latitude 42, W Main St
 - Natural Grocery & Shoppes, The Corner @ Drake
 - One-Way Products, KL Ave
 - Sky King Meadows 3 Condominiums, off Buckham Wood Drive
 - Tuscany East, L Ave subdivision
 - West Pointe Condominiums (phase 2), N 10th St
 - West Port Village Condominiums (phase 2), W H Ave
11. Misc. Planning Initiatives: Staff briefed members and welcomed further discussions on other planning initiatives underway in Oshtemo.
- Rural Character Preservation Workshop Results
 - WMU Natural Features Study Results
 - Maple Hill Drive South Sub-Area Presentation Materials (see web notice board)
12. Member Comments and Information Items: No further comments were presented.
13. Next Meeting: The next regularly scheduled meeting of the CIC for Oshtemo is July 11, 2017 at 1:00 pm. {The July 2017 meeting was subsequently cancelled without rescheduling.}



7275 W. MAIN STREET, KALAMAZOO, MI 49009
269-216-5220 Fax 269-375-7180 www.oshtemo.org

Capital Improvements Committee

Tuesday, April 18, 2017

1:00 P.M.

Meeting Agenda

SPECIAL EVENT (Main Meeting Room)

1:00 Public Opening of Bids.

CIC Members shall participate in the public opening of Contractor's Bids for the "Maple Hill Estates Water Main Extension." This project, consisting of approximately 1.8 miles of ductile iron water pipe, extends water from Wickford Dr., along J Ave. and N 2nd St. to complete a water main loop into M-43 to serve the plat impacted by the more stringent water quality standards to be addressed by KLA Landfill Group. (Maple Hills Estates sketch attached)

REGULAR MEETING (To Continue in Main Meeting Room)

1. Welcome/Introductions/Call to Order.
2. Q&A on the witnessed Bid Opening. {general discussion}
3. Meeting Summary. Members shall review meeting summaries for 7/26/16, 10/18/16 and 1/17/17. (attached)
4. KL Avenue Public Sanitary Sewer, Alternate Scope. The KL Ave Sanitary Sewer project bid opening is scheduled for Monday, May 1, 2017 at 2:00 P.M. During engineering design the project scope was expanded to include as an alternate an additional 700ft of sewer south, into 8th St. A development project is currently proposed for the end-parcel to be served by the 8th St extension. An engineer's projection of cost for the KL Sanitary Alternate will be reviewed. (attached)
5. Pre-Application, Neighborhood Sanitary Sewer Extension. Materials have been submitted to the USDA seeking \$25.5 million in loan and/or grant funds from Rural Development monies available for sanitary sewer improvements. The pre-application is to determine eligibility, funding/grant availability and financing costs. The project scope and financing is outlined in two attachments. (Illustrated SS Extensions, Municipal Finance)
6. FAQ Sanitary Sewer – USDA Rural Development Grant. A frequently asked questions (FAQ) document has been developed and posted on the Township web site to keep residents informed of this program. (attached)
7. Vision & Mission Statement (Core Values). In February the Township Board held a retreat and special meeting for strategic planning and visioning. The enclosed Vision Statement is a key outcome from this exercise. (attached)

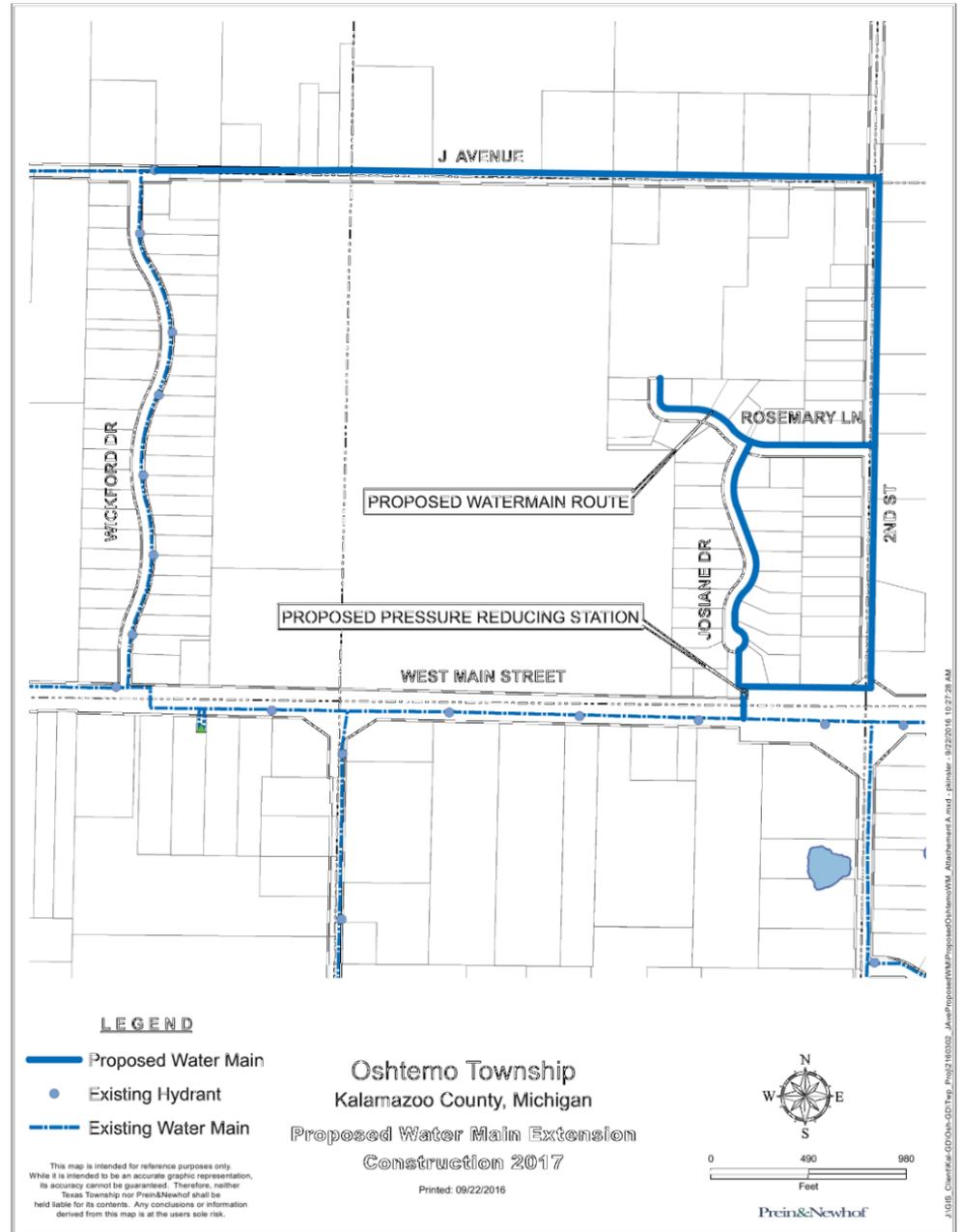
8. 2017 Roadway Projects. At our last meeting, CIC member input initiated changes to the preliminary list of 2017 roadway maintenance projects. An updated project list (Approved by the Board) is now available for further review and discussion. (attached)
9. N 10th St Sanitary Sewer Pump Station. Pump testing, spring site restoration and formal system acceptance is proceeding. Mr. Wheat will be asked to brief members on project status.
10. Misc. Capital Projects Updates & Information. Staff will review and respond to member questions regarding various private development projects which have public infrastructure extensions associated with them.
 - *Autumn Grove Condominiums, N 9th St*
 - *Holiday Inn & Holiday Express, Westgate development off Maple Hill Dr*
 - *Latitude 42, W Main St.*
 - *Natural Grocery & Shoppes, The Corner @ Drake*
 - *One-Way Products, KL Ave*
 - *Sky King Meadows 3 Condominiums, off Buckham Wood Dr*
 - *Tuscany East, L Ave subdivision*
 - *West Pointe Condominiums (phase 2), W H Ave*
 - *West Port Village Condominiums (phase 2), N 10th St*
11. Misc. Planning Initiatives. Members shall be made aware of preliminary materials developed through the 2016/2017 master plan update process. (www.oshtemo.org/master-plan-update-2016-2017)
 - Rural Character Preservation Workshop Results.
 - WMU Natural Features Study Results.
 - Maple Hill Drive South Sub-Area Plan Presentation Materials (see web notice board).
12. Member Comments & Information Items. Attendees will be asked to share items of interest to CIC members
13. Next Meeting. The next regularly scheduled meeting of the Oshtemo Township Capital Improvements Committee (CIC) will be held July 18, 2017 at 1:00 PM.

Public Water Coming to Maple Hills Estates

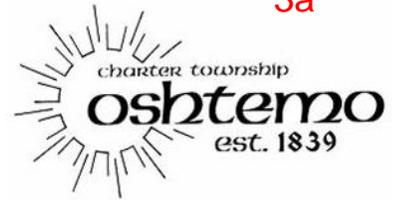
Public water is coming this spring into Maple Hills Estates, a two-subdivision neighborhood west of North 2nd Street that includes Josiane Drive and Rosemary Lane. Oshtemo Township hosted a meeting with residents on November 30th to announce this important project to protect public health. Michigan Department of Environmental Quality had recently lowered the State’s safe drinking water limit from 85 ppb to 7.2 ppb for 1,4 diethylene dioxide—a groundwater contaminant being monitored by environmental professionals associated with the former KL Avenue landfill (see <http://westklavlandfill.com>). To assure there would be no harmful exposure to residents, the KLA Group is extending the public water utility. Oshtemo Township, working with the KLA Group, Kalamazoo County Environmental Health, and the City of Kalamazoo, has proceeded with engineering design over the winter, and acquired land to construct a water pressure reduction station (PRS) to extend an existing service district.

The water main project was let for bids on March 30th with the Board’s award of work scheduled for their April 25, 2017 meeting. Construction is anticipated to begin in mid-May with completion of the water service line by August. Prior to construction completion, residents will receive a letter outlining connection information and a meeting date to address any questions residents may have.

Residents may have noticed partial tree work (removals) occurred during the middle weeks of March. The Township expedited the removal of selected trees to comply with guidelines for the protection of potential summer habitat for the Northern Long-Eared Bat, a threatened species. US Fish and Wildlife Service guidelines say trees can be safely taken down before bat mating and nesting starts.



J:\05_Clients\K&N\05-001_Twp_Proj\2160302_1_AveProposedWM\ProposedWaterMain_Attachment A.mxd - plmiller - 9/22/2016 10:27:26 AM



Capital Improvements Committee

July 26, 2016

MEETING SUMMARY

A meeting of the Capital Improvements Committee of Oshtemo Township was held on Tuesday, July 26, 2016 at 1:00 P.M. in the north meeting room of Oshtemo Township, 7275 West Main St., Kalamazoo, Michigan. Persons in attendance included Dave Bushouse, Nancy Culp, Marc Elliott, Libby Heiny-Cogswell, Tim Mallett, James Porter, Mike Schwartz and Mark Warden.

1. Welcome/Introductions/Call to Order. Dave Bushouse called the meeting to order and welcomed members and guests. He further expressed appreciation that so many members were able to accommodate the one-week postponement from their normal meeting schedule of July 19th.
2. Meeting Summary. The May 17th meeting summary was reviewed and approved by members upon motion by Nancy and second by Libby.
3. Strategic Plan for Public Sewer Extensions. Members were advised on action taken by the Board to contract with Fleis & VandenBrink Engineering, Inc., to assist the Township is seeking USDA funding for sanitary sewer extensions under their Rural Development program. An abbreviated handout of presentations materials which F&VB used in briefing the Board was distributed.
4. Public Participation in Sanitary Sewer Extension and Oversizing (Sky King Meadows 3). Members were advised on progress being made in crafting a participation agreement with the developer of Sky King Meadows 3 for sanitary sewer oversizing and a “dry” sewer bypass extension for future use. Upon motion by Tim and second by Nancy, the CIC recommend that the Board proceed with the proposed agreement which would increase BU fees 50% within the project at time of connections, with 80% of the fees used for reimbursement of the oversizing.
5. 2016 Pavement Assessment. Staff informed committee members that the Road Commission of Kalamazoo County typically completes a visual assessment of roadway pavements and assigns a numeric rating every three years. This hands-on assessment is further refined yearly based upon a software ratings tool called PASER. During off-years, the PASER tool projects an effective rating based upon a degradation curve that is adjusted by recorded maintenance activities during the intervening years. Oshtemo’s visual assessment is scheduled for the fall of 2016. This year Oshtemo and RCKC will partner with the staff of Grand Valley Metro Council to complete the survey. For 2016 Oshtemo will be expanding its survey to include select commercial and private roads. Site condominiums are the principal roadways of interest. Selections will be based on public safety and shared-access concerns.
6. Capital Projects Updates. Staff next summarized the status and progress of the following capital infrastructure projects underway within Oshtemo.

- a. *Roadway Intersection Improvements – 9th St and Stadium. This RCKC project is scheduled to be completed by mid-September.*
- b. *Drake Road Non-Motorized Shared-Use Path. This project is planned to use Safety Grant Funds for a trailway between Green Meadows to W. Michigan. Several easements as needed and the acquisition process is underway.*
- c. *Colony Farms – BTR 2.0. Oshtemo Township will be participating in financing the infrastructure costs for this WMU development project. Federal economic development grant funds are being leveraged through the assistance of Southwest Michigan First. Final design approvals are underway, with construction anticipated for late fall.*
- d. *Atlantic Avenue Public Water, Public Sanitary and Roadway Improvements. The new sewer and water has passed inspection testing, and the roadway rebuilt to include 4-foot paved shoulders. Final restoration will continue over the next month or so.*
- e. *Commercial Access Drive (DDA Rear Access for 9th St Properties). This project is a separate component of work being done by the Contractor that is doing the Atlantic Avenue project. This work is complete except for street lighting and final restoration.*
- f. *North 10th St Sanitary Sewer, Sewer Pump Station and Roadway Improvements. This project is on schedule. Excavation of the sewer will continue through mid-August, with traffic to be reopened before school starts.*
- g. *Annual Local Roadway Maintenance (PAR Fund participation in RCKC chip sealing). Mark Warden briefly described progress on the 2016 project list. The new chip-seal treatment appears to be well accepted by residents and others.*
- h. *Private-Development Related Utility Extensions. The following projects were noted as proceeding forward.*
 - i. West Pointe Condominiums (“phase 2” water and sewer)
 - ii. West Port Village Phase II (water and sewer)
 - iii. Sky King Meadows 3 (water and sewer)
 - iv. Autozone (water and sewer)
 - v. Kellogg Federal Community Credit Union (sewer relocation)
 - vi. KLA Group Public Water Extensions (proposed)
 - vii. South 11th St Water Main Looping (City Sponsored)
 - viii. Hydrant Additions (private extensions of public water)
 - The Shoppes at Drake
 - D&R Sports
 - Leaders Marine
 - 6480 Technology Drive

INFORMATION ITEMS & COMMENTS

7. Information Items. Members briefly noted the following:

- KATS Planning process has approved allocation of Transportation Alternative funding for a 2020 Oshtemo sidewalk project on Stadium Drive, between 11th St and Quail Run. It is hoped that the DDA project will be able to complete the Stadium Dive sidewalk from Quail Run, west to 8th St at the same time.

- Planning staff is pursuing “Safe Routes to School” for S 9th St. at Prairie Ridge Elementary. This project would extend and connect to the aforementioned Stadium Drive sidewalk within the DDA.
- It was noted that the Board will start working on the 2017 Budget, and that the Board continues to be guided by the Township’s Capital Improvement Plan and its regular updates.

8. Member Comments. No further comments were brought forward.

Next Meeting. The next regularly scheduled meeting of the Oshtemo CIC committee was announced to be held October 18, 2016 at 1:00 P.M.

Capital Improvements Committee

October 18, 2016

MEETING SUMMARY

A meeting of the Capital Improvements Committee of Oshtemo Township was held on October 18, 2016 at 1:00 P.M. in the north meeting room of Oshtemo Township, 7275 West Main St., Kalamazoo, Michigan. Persons in attendance included Dave Bushouse, Nancy Culp, Marc Elliott, Libby Heiny-Cogswell, James Porter, Mark Warden and Tom Wheat. Mr. Mallet had earlier sent his regrets as he would be out of town.

1. Welcome/Introductions/Call to Order.
2. Meeting Summary, July 26, 2016. Marc expressed regret that the meeting summary for July 26th was not available for review.
3. Board Referral of Question to CIC -- Fees Due (05-34-455-041). Ms. Sharon Kuntzman of 7500 W N Ave requested fee adjustment of the Board on 10/11/26. She is closing on the sale of her residence and is in the process of moving. The party purchasing the property is requiring that the existing poorly-rated septic system be abandoned and the residence be connected to public sanitary sewer. The owner contends that she attempted to pay connections fees at the time sewer was made available (1994), but the Township would not consent to pre-payment. Kuntzman believes her good faith request to pre-pay was abused in light of current fees having increased by \$6,640.

Nancy Culp had reviewed her files and does recall that the prior Treasurer did not wish to accept payment without payment being made in conjunction with installation of a new service connection. Current practice has been to accept all but the BU fee should a property wish to pay in advance of actual acceptance of service. Members reviewed a staff prepared comparison (best-guess) of fees that would have been due at the approximate timeframe of the Culp/Kuntzman recollection. Committee materials included an inflation calculator evaluation of present-cost of the fees due at that time.

Upon further discussion, Libby motioned and Nancy seconded to establish of a fee amount of \$10,875, in lieu of the \$12,850.00 that would be applied using today's formula. The CIC approved this compromise with one no-vote by Dave Bushouse, who endorsed collection of the full fees that would be due according to today's fee schedule.

4. Street Light Request. Oshtemo received a resident's request to add a street light at the south entrance to the curve that joins Horizon Heights Drive to Windingwood Dr. The location is in an existing neighborhood, but the parcels throughout the curve are actually splits, not subdivided lots. All affected parcels are currently being assessed for lighting from poles located at the fringe of the area for which the resident is seeking further illumination. It was noted that there is an undeveloped lot with mature vegetative growth which contributes to the perception of need.

Motion was made by Nancy and seconded by Libby to offer that Oshtemo would pay ½ the cost for a new lamp post that would be added to the public lighting system. The CIC unanimously concurred with making this offer to the citizen, with the further recommendation that the homeowner seek to collect the remaining funds from the affected neighbors.

5. 2017 CIP – Draft. A preliminary draft of the text of the 6 year Capital Improvement Plan was made available for members to review and comment. The CIP is scheduled to go before the Board on November 15th. CIC members endorsed the current progress being made regarding this important planning document.
6. Oshtemo Master Sanitary CIP Map. Members received for review and comment a staff-developed concept map of known sanitary sewer projects and tentative schedule. This map is to be included as a supplement to Item 5. More specifically, this information is being used by Fleis & VandenBrink in developing an application for USDA Rural Development Funds to assist in financing Oshtemo’s public sanitary sewer system needs. It was noted that FVB consultants have advised the Oshtemo project team that RD funds were project-based and that as a general rule, projects were expected to be bid in-total, with completion to generally span no more than two construction seasons. As a consequence, the tentative project years envisioned in the CIP planning process is likely to be accelerated (see next item).
7. USDA Rural Development Grant Application Progress. Members next reviewed a preliminary mapping of sanitary sewer projects developed by FVB to be packaged into a USDA grant application. Marc noted that perhaps three-fourths of the neighborhood projects and an initial run at three collector sewer mains were included in the FVB tabulation.

FVB’s understanding of the grant maker’s criteria for project-approval places a premium on serving existing single-family septic system users. Expansion of sewers in anticipation of future growth (so as to preclude on-site septic) was not encouraged by USDA. These considerations drove the mix of projects identified by FVB. Furthermore, RD funds a project (i.e. single package of sewer extensions) rather than a series of separate projects over a number of years. FVB’s advice is to identify a collection of projects the township can afford, and a project-scope which can be reasonably completed within two-seasons. Because the cost of borrowing is both the major consideration and the major advantage of the RD program, FVB’s recommended project is the sewers highlighted in the FVB graphic—a \$25 million project.

In using USDA, the RD bonds could be repaid over 40 years from a combination of connection fees, property owner installment-payment agreements, and a debt service surcharge. Commercial bonds would be limited to thirty years, or probably less in order to reduce the costs of commercial bonds. Marc commented that he was initially concerned that the volume of construction needed to complete the project is going to significantly challenge both residents and contractors. However FVB believes the coordination needs and traffic management concerns are surmountable. Additionally, there are distinct advantages in minimizing the total time required for project completion. The main advantage continues to be the overall reduced borrowing costs.

8. Pavement Maintenance and Management. Marc and Mark shared with members work progress on the 2016 chip-seal projects. It was also reported that the 2016 Pavement Surface Evaluation and Rating (PASER) survey has been completed by the Grand Valley Metro Council. The data is expected to be available soon.
9. RCKC Updates and Coordination Items. (note: Mr. Warden had to leave so the following topics received only superficial discussion)

- Intergovernmental Collaborative Sign Policy - members were provided a draft for review and comment.
- Construction Guidelines – RCKC is updating their standards and specifications for public roads. Copies can be obtained from the RCKC web site.
- Transit Stops along Stadium
- 8th St Reclassification from Primary to Local – As a component of roadway classifications for funding eligibility under federal guidelines (and in collaboration with KATS/MDOT) 8th S. South of M-43 is being reclassified as local. RCKC has assured the Township that they will address the road's poor PASER rating so that the road is in decent shape before turning the pavement maintenance obligation over to Oshtemo.
- North Drake Trail restoration follow-up
- Stadium Drive Signal Improvements (safety grant), 4th St to 6th St.

10. Misc. Capital Projects Updates & Information. Staff briefed members and welcomed further discussions on other capital infrastructure projects underway in Oshtemo:

- Fire Hydrant Addition, East End of Steeplechase Court. (Replacing blow-off to accommodate development of adjacent split parcel.)*
- North 10th St Sanitary Sewer, Sewer Pump Station and Roadway Improvements*
- Atlantic Avenue Public Water, Public Sanitary and Roadway Improvements.*
- Commercial Access Drive (DDA Rear Access for 9th St Properties).*
- Roadway Intersection Improvements – 9th St and Stadium. (RCKC project)*
- Drake Road Non-Motorized Shared-Use Path (Safety Grant – Green Meadows to W. Michigan) & Remaining Segments (TA Funding – W Main to Stadium)*
- Colony Farms – BTR 2.0. (WMU Project)*
- SWMBA Update*
- Development Related Utility Extensions:*
 - Autozone (water and sewer - completed)
 - Kellogg Federal Community Credit Union (sewer relocation - completed)
 - KLA Group Public Water Extensions (proposed)
- Development Related Utility Extensions Approved for Construction.*
 - Sky King Meadows 3 (water and sewer)
- Drake House Open House, October 23, 2016 2-4 PM.*
- Kalamazoo College Arboretum Dedication, October 25, 2016, 4:00 PM,*

11. Member Comments. No further comments were presented.

12. Next Meeting. The next regularly scheduled meeting of the CIC for Oshtemo is January 17, 2017 at 1:00 PM.

Capital Improvements Committee

January 17, 2017

MEETING SUMMARY

A meeting of the Capital Improvements Committee of Oshtemo Township was held on January 17, 2017 at 1:00 P.M. in the north meeting room of Oshtemo Township, 7275 West Main St., Kalamazoo, Michigan. Persons in attendance included Dave Bushouse, Nancy Culp, Marc Elliott, Libby Heiny-Cogswell, James Porter, and Tom Wheat.

1. Welcome/Introduction/Call to Order. Dave Bushouse welcomed attendees and called the meeting to order.
2. Meeting Summary. Marc expressed regret that the prior meeting summary was not available for review.
3. Discussion of Utility Ordinance Interpretation. Previously the CIC had discussed general guidelines to apply for determining whether utilities are “reasonably” available. For plats and subdivisions when utilities are available, the utilities are defined in the land division process. However, when the building site is the result of a parcel split, or when utilities are extended by Oshtemo, the determination of “reasonably available” is less clearly defined. For purposes of general guidance the CIC determined that for residential, single family, that the state guideline of 200ft for sanitary sewer is a standard for reasonableness. For public water, due to the relative ease of construction, 400ft would be standard for reasonableness. However, irrespective of the requirement to connect to the service, the CIC further had determined that normal fees for new construction would be collected, except for the usage-based Benefit-Use fee which would be due at time of connection. That is, the portion which is meant to approximate a front-fee assessment is to be collected, irrespective of whether the service is elected by the owner to be connected and used.

Staff now requested further guidance for the situation where an existing structure is (per the above guideline) not required to use either the public water utility or the public sewer utility. Situations may include a need for a new well or septic permit, or property improvements which would require planning & zoning review and building permits.

The general consensus was that the event of a new well permit should trigger collecting the front-foot fee for the water utility and thereby encourage use of the system (and share in the community investment). In contrast, for public sewer fees, the general census was that only a significant structural change would be appropriate for triggering the collection of the front-foot equivalent for the sewer utility. Porter indicated that he would like to further consider and review implications associated with the direction proposed by members. Elliott noted that this is a rare case and that he would be sure to review further with Mr. Porter should the situation arise again.

4. Assessing Policy for Roads & Sidewalks. Members were asked to recall that the Board implemented a new funding strategy in its 2017 budget for new sewer construction. Specifically, the Board's current budgeting process includes the use of roadway funds to be applied to road reconstruction costs which are identifiable as a cost of new sanitary sewers. In support of this strategy, in the last two budget cycles the Board has significantly increased its allocation of general fund monies to roadway capital improvements. An additional intent of the change is to budget for major road improvements which have languished in recent years due to property owner resistance to being special-assessed.

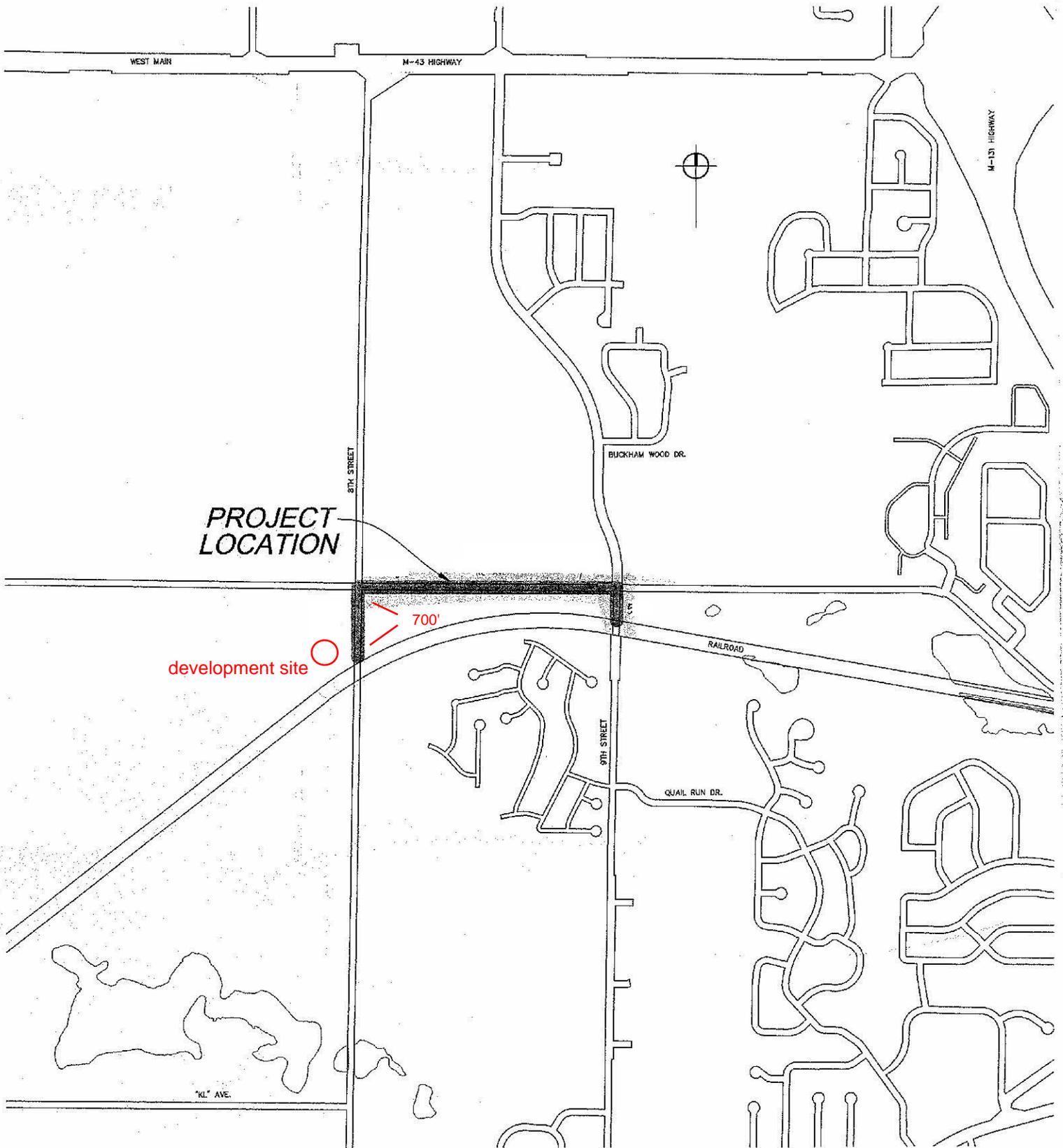
In order to align with the Board's new strategy, last week the board reviewed and adopted a new assessing policy. The new policy was distributed in the agenda packet for further review and discussion by CIC members. It was further noted that 2017 roadway funds were being allocated to the KL Ave Sanitary sewer project. The other major roadway capital project for 2017 is the mill and pave project for G Avenue (see item 5 below).

Upon review and discussion, it was noted that it may be appropriate to consider a policy provision to assess for snow removal. There are or will soon be several locations in the Township where commercial owners may find it advantageous to coordinate and cost-share sidewalk snow removal through an assessment process.

5. 2017 Roadway Maintenance Projects. Each year Oshtemo works collaboratively with RCKC to identify road maintenance projects to be collaboratively cost shared. RCKC makes a portion of its state funds available for local road projects, provided the local Township contributes a minimum of 50% of the project cost. A preliminary list of projects were distributed in the agenda packet. During review, a few members recognized that potential opportunities and obstacles existed among the draft project list. Stadium Parkway has two private developments under plan review. A major construction project is also being considered off the north end of Stadium Parkway. It was then noted that phase two of the Tuscany plat has recently been approved. As a consequence it was recommended that these two projects (Stadium Park Way and Tuscany) be deferred a year. It was further noted that J Avenue is scheduled for new water main in 2017. Therefore the J Ave chip-seal project should be deferred until the fall round of projects, at which time the water project will be complete. Marc and Mark were grateful for this input stated they would review and identify alternative road maintenance projects to be applied the budgeted 2017 road monies.
6. 2017 Sanitary Sewer Projects. A progress update for the KL Avenue sanitary sewer extension was provided.
7. 2017 Public Water Projects. The State of Michigan has recently strengthen groundwater protection standards for 1,4-diethylene dioxide. The KLA Group is sponsoring a 2017 public water extension in J Avenue, 2nd Street and the Maple Hills Estate neighborhood as a result of this change. A project extent illustration was made available. Additional project background was summarized by Staff. It was also announced that the adjoining property owners would be invited to an informational meeting at the Township next month, which will include Q&A with representatives of the KLA Group.
8. 2017 Non-Motorized Facility Projects. A progress update was provided for the Drake Road and KL Avenue Non-Motorized Facilities. Negotiation of required easement acquisitions for the Drake Road project has been difficult with the last few property owners. In order to proceed in a timely manner to assure obligation of the grant funds, it is anticipated that a property-taking may need to be initiated by the Board to acquire the necessary easements. The KL Ave Trailway project is proceeding from concept to design. Survey data is being jointly collected by Oshtemo and RCKC. The additional survey extents needed for the Trailway is being obtained by Oshtemo through a supplemental work agreement with RCKC's selected roadway project engineer.

9. Rural Development Grant Application. Members were informed that the Board is scheduled to have an information session on sewer project(s) financing strategies during their January 24th retreat. A preliminary grant application to the USDA Rural Development Fund is a component of the process. It was asked whether Davis Bacon would apply if we used RD funding. This question will be referred to FVB.
10. Pavement Maintenance and Management. PASER data on private-road pavement conditions in Oshtemo received from Grand Valley Metro Council was presented to CIC members in graphic form for review and discussion. This data set was collected as a supplement to the dataset which RCKC separately collected for county/local public roads in Oshtemo. Staff is still evaluation the information. It is anticipated that some form of outreach will be initiated to share these findings with the associations and others that own the private roadways which were surveyed. Mark W. noted that RCKC will be hosting a Transportation Asset Management training session in the near future.
11. RCKC Updates and Coordination Items. Meeting time was unavailable to comment on the proposed *Intergovernmental Collaborative Sign Policy* which RCKC and the two cities have been working on.
12. Misc. Capital Projects Updates & Information. Staff noted several capital infrastructure projects that were underway in Oshtemo, and entertained that they would be available for questions should any member linger after the meeting.
 - a. *Fire Hydrant Addition, East End of Steeplechase Court.*
 - b. *North 10th St Sanitary Sewer, Sewer Pump Station and Roadway Improvements*
 - c. *Colony Farms – BTR 2.0. (WMU Project)*
 - d. *Sky King Meadows III (Secco Project).*
13. Member Comments & Information Items. Tom Wheat noted that Oshtemo may receive SAW grant monies (for stormwater and sanitary assess management) from the State's 2017/2018 funding cycle. Mark W. noted that RCKC will be hosting a pre-season utility project coordination meeting in the near future.
14. Next Meeting. The next regularly scheduled meeting of the Oshtemo Township Capital Improvements Committee (CIC) will be held April 18, 2017 at 1:00 PM.

KL Ave Sewer Extension, 8th to 9th St



Estimate of Probable Cost

Owner:

Oshtemo Township

Project Title:

"KL" Ave Sewer Extension: to 8th Street

Date:

March 9, 2017

Project #:

2160495

| Item No. | Description | Quantity | Unit | Unit Price | Total Amount |
|-----------------------------|----------------------------------|----------|------|-------------|---------------------|
| Sanitary Sewer | | | | | |
| 1 | 24" Sanitary Sewer a/d 25-30 | 2,900 | LF | 75.00 | \$217,500.00 |
| 2 | 12" Sanitary Sewer a/d 16-20 | 50 | LF | 50.00 | \$2,500.00 |
| 4 | 6" Sanitary Lead | 23 | EA | \$1,000.00 | \$23,000.00 |
| 5 | 6" Riser | 23 | EA | \$500.00 | \$11,500.00 |
| 6 | 8 Inch Stubs | 2 | EA | \$2,500.00 | \$5,000.00 |
| 7 | Connect to ex. Sanitary manhole | 1 | EA | \$2,500.00 | \$2,500.00 |
| 8 | Standard Manhole up to 10' | 8 | EA | \$3,000.00 | \$24,000.00 |
| 9 | Standard MH Add'l depth over 10' | 124 | VF | \$150.00 | \$18,600.00 |
| 10 | Subgrade Undercutting | 1,600 | CY | \$10.00 | \$16,000.00 |
| 11 | HMA (36A, 13A) | 3,200 | TON | \$65.00 | \$208,000.00 |
| 12 | 8" Stabilized Gravel (MDOT 22A) | 4,900 | TON | \$15.00 | \$73,500.00 |
| 13 | Concrete Curb & Gutter (C-4) | 50 | LF | 20.00 | \$1,000.00 |
| 14 | Pavement Removal | 8,700 | SY | \$2.00 | \$17,400.00 |
| 15 | Concrete Access Driveway | 1 | EA | 1,500.00 | \$1,500.00 |
| 16 | Bituminous Access Driveway | 6 | EA | 750.00 | \$4,500.00 |
| 17 | Gravel Access Driveway | 5 | EA | 250.00 | \$1,250.00 |
| 18 | Topsoil | 31.00 | STA | 450.00 | \$13,950.00 |
| 19 | Seed & Mulch (Cl. 1) | 31.00 | STA | 250.00 | \$7,750.00 |
| 20 | Soil Erosion Control | 1 | LS | 5,000.00 | \$5,000.00 |
| 21 | Machine Grading Modified | 29.00 | STA | \$1,500.00 | \$43,500.00 |
| 22 | Tree, Rem, 6 inch to 18 inch | 3.00 | EA | \$300.00 | \$900.00 |
| 23 | Tree, Rem, 19 inch to 36 inch | 2.00 | EA | \$1,000.00 | \$2,000.00 |
| 24 | Tree, Rem, 37 inch or Larger | 1.00 | EA | \$2,000.00 | \$2,000.00 |
| 25 | Traffic Control | 1 | LSUM | \$20,000.00 | \$20,000.00 |
| Subtotal | | | | | \$722,850.00 |
| Engineering (15%) | | | | | \$108,427.50 |
| Administration & Legal (5%) | | | | | \$36,142.50 |
| Contingencies (10%) | | | | | \$72,285.00 |
| Project Total | | | | | \$939,705.00 |

Estimate of Probable Cost

Owner:

Oshtemo Township

Project Title:

8th Street Sewer Extension: South of "KL"

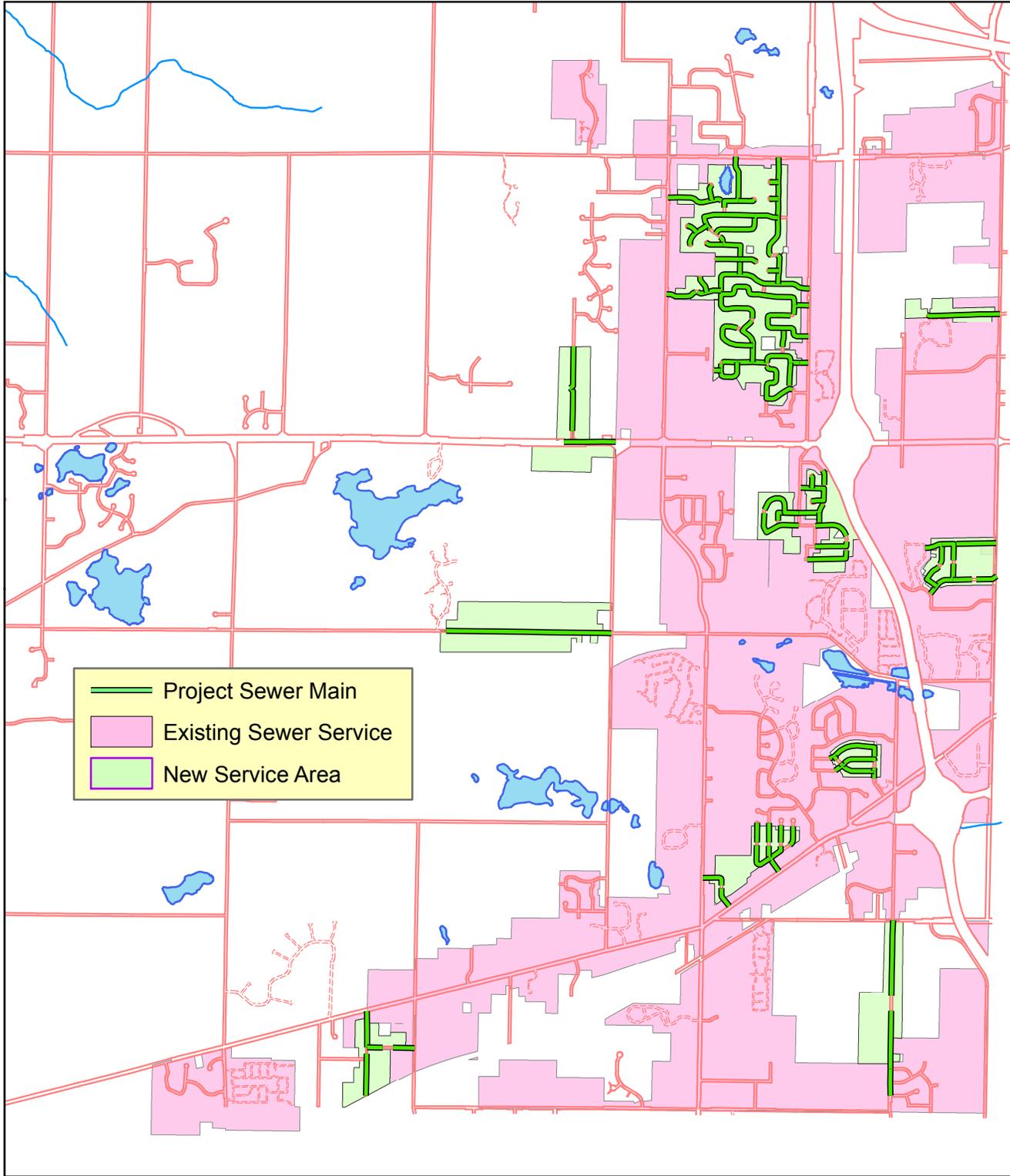
Date:

March 9, 2017

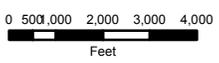
Project #:

2160495

| Item No. | Description | Quantity | Unit | Unit Price | Total Amount |
|------------------------------|----------------------------------|----------|------|------------|---------------------|
| <u>Sanitary Sewer</u> | | | | | |
| 1 | 8" Sanitary Sewer a/d 10-16 | 700 | LF | 35.00 | \$24,500.00 |
| 2 | 6" Sanitary Lead | 4 | EA | \$1,000.00 | \$4,000.00 |
| 3 | 6" Riser | 4 | EA | \$500.00 | \$2,000.00 |
| 4 | 8 Inch Stubs | 1 | EA | \$5,000.00 | \$5,000.00 |
| 5 | Standard Manhole up to 10' | 2 | EA | \$3,000.00 | \$6,000.00 |
| 6 | Standard MH Add'l depth over 10' | 8 | VF | \$150.00 | \$1,200.00 |
| 7 | Subgrade Undercutting | 500 | CY | \$10.00 | \$5,000.00 |
| 8 | HMA (36A, 13A) | 600 | TON | \$65.00 | \$39,000.00 |
| 9 | 8" Stabilized Gravel (MDOT 22A) | 1,000 | TON | \$15.00 | \$15,000.00 |
| 10 | Pavement Removal | 1,800 | SY | \$2.00 | \$3,600.00 |
| 11 | Concrete Access Driveway | 1 | EA | 1,500.00 | \$1,500.00 |
| 12 | Bituminous Access Driveway | 2 | EA | 750.00 | \$1,500.00 |
| 13 | Gravel Access Driveway | 3 | EA | 250.00 | \$750.00 |
| 14 | Topsoil | 7.00 | STA | 450.00 | \$3,150.00 |
| 15 | Seed & Mulch (Cl. 1) | 7.00 | STA | 250.00 | \$1,750.00 |
| 16 | Soil Erosion Control | 1 | LS | 2,000.00 | \$2,000.00 |
| 17 | Machine Grading Modified | 7.00 | STA | \$1,500.00 | \$10,500.00 |
| 18 | Traffic Control | 1.00 | LS | \$5,000.00 | \$5,000.00 |
| Subtotal | | | | | \$131,450.00 |
| Engineering (15%) | | | | | \$19,717.50 |
| Administration & Legal (5%) | | | | | \$6,572.50 |
| Contingencies (10%) | | | | | \$13,145.00 |
| Project Total | | | | | \$170,885.00 |



| | |
|---|------------------------|
|  | Project Sewer Main |
|  | Existing Sewer Service |
|  | New Service Area |



This map is for reference purposes only. While it is intended to be an accurate graphic representation, its accuracy cannot be guaranteed. Any conclusions or information derived from this map are at the users sole risk.

Neighborhood Sanitary Sewer Extensions

Charter Township of Oshtemo
Kalamazoo Co., Michigan

Date: 4/11/2017



40 Year Rural Development Bonds

The construction of the Oshtemo Township sanitary sewer line extension is expected to increase the number of customers or residential units (REU's) by 1,409 from 3,868 to 5,277 over the next 20 years. This increase is the expected result of customers from the proposed new construction of sanitary sewer lines, REU's with sanitary sewer lines already constructed to be connected, and additional REU's to be connected in the future. *See Schedule of REU's*

Connection fees of \$11,000 per REU are payable over the life of the bonds at an interest rate of 4% starting from the date of the connection to the sanitary sewer line and due in 2057. These connection fees result in revenue of \$27,410,680 in the form of principal (\$15,499,000) and interest (\$11,911,680) between 2018 and 2057. *See Schedule of Remaining Balance of Connection Fees*

The Rural Development Bonds have a term of 40 years and pay interest of 3.0% resulting in total debt service of \$41,699,700 in the form of principal (\$25,320,000) and interest (\$16,379,700). *See Schedule of Debt Service Requirements*

Rural Development Bonds require a total bond reserve equal to the total debt service (\$41,699,700) divided by the number of years (40) in the bond financing. This reserve is then spread out evenly over the first 10 years of the financing (\$104,300/yr). *See Rural Development Bond Reserve Calculation*

This project will have three main sources of revenue which will be used to pay the debt service requirements over the life of the bonds. *See Schedule of Connection Fees, Debt Service Requirements and Coverage*

- Revenue from connection fees, \$11,000 per REU amortized over the period up to 2057 at 4.0%
- Revenue from the General Fund, 25% of the debt service requirement each year will be paid from the General Fund.
- The remaining shortfall will come from an annual debt service charge to be paid by REU's
 - Debt service charge will be \$76/year per REU for years 2018-2028 and then \$5.00/year per REU for years 2029-2057
 - This charge generates a surplus in each year up until 2028 reaching a cumulative surplus of \$1,748,484 which will then be used to cover the deficits in each of the following years until 2057. The net result in 2057 is a surplus of \$23,323.

The total annual cost to households under this issue ranges from a high of \$791 in the first year to a low of \$291 in the last year. *See Annual Household Cost schedule*

Bendzinski & Co.**municipal finance advisors**

\$25,320,000

Oshtemo Charter Township
 County of Kalamazoo, State of Michigan
 General Obligation Limited Tax Bonds

SCHEDULE OF REU's

| <u>Year</u> | <u>New¹</u> | <u>Current²</u> | <u>Future³</u> | <u>Total</u> |
|-------------|------------------------|----------------------------|---------------------------|--------------|
| 2018 | 303 | 60 | | 363 |
| 2019 | 303 | 60 | | 363 |
| 2020 | 303 | 60 | 11 | 374 |
| 2021 | | 60 | 11 | 71 |
| 2022 | | 60 | 11 | 71 |
| 2023 | | | 11 | 11 |
| 2024 | | | 11 | 11 |
| 2025 | | | 11 | 11 |
| 2026 | | | 11 | 11 |
| 2027 | | | 11 | 11 |
| 2028 | | | 11 | 11 |
| 2029 | | | 11 | 11 |
| 2030 | | | 11 | 11 |
| 2031 | | | 11 | 11 |
| 2032 | | | 11 | 11 |
| 2033 | | | 11 | 11 |
| 2034 | | | 11 | 11 |
| 2035 | | | 11 | 11 |
| 2036 | | | 12 | 12 |
| 2037 | | | 12 | 12 |
| | <u>909</u> | <u>300</u> | <u>200</u> | <u>1,409</u> |

5277

¹ Customers from the proposed new construction of sanitary sewer lines² REU's with sanitary sewer already constructed to be connected³ Additional REU's to connect to the system in the future

615 Griswold, Suite 1225
Detroit, Michigan 48226-3282
PHONE: (313) 961-8222 FAX: (313) 961-8220

The information contained herein was derived from sources generally recognized as reliable and does not make any representations as to correctness or completeness and has in no way been altered except to the extent that some information may be summarized, and is in no way intended to be a solicitation for orders.



\$25,320,000
 Oshtemo Charter Township
 County of Kalamazoo, State of Michigan
 General Obligation Limited Tax Bonds

ANNUAL HOUSEHOLD COST

40 Rural Development Issue
 (Assumes connection in 2018 with 40 yrs to pay)
Connection Fees

| Year | Annual Debt | | Total | | Total Monthly Charge |
|------|------------------|---------------------|--------------------|---------------------|----------------------|
| | Service Charge | Principal | Interest | Annual Charge | |
| 2018 | \$ 76.00 | \$ 275.00 | \$ 440.00 | \$ 791.00 | \$ 65.92 |
| 2019 | 76.00 | 275.00 | 429.00 | 780.00 | 65.00 |
| 2020 | 76.00 | 275.00 | 418.00 | 769.00 | 64.08 |
| 2021 | 76.00 | 275.00 | 407.00 | 758.00 | 63.17 |
| 2022 | 76.00 | 275.00 | 396.00 | 747.00 | 62.25 |
| 2023 | 76.00 | 275.00 | 385.00 | 736.00 | 61.33 |
| 2024 | 76.00 | 275.00 | 374.00 | 725.00 | 60.42 |
| 2025 | 76.00 | 275.00 | 363.00 | 714.00 | 59.50 |
| 2026 | 76.00 | 275.00 | 352.00 | 703.00 | 58.58 |
| 2027 | 76.00 | 275.00 | 341.00 | 692.00 | 57.67 |
| 2028 | 76.00 | 275.00 | 330.00 | 681.00 | 56.75 |
| 2029 | 5.00 | 275.00 | 319.00 | 599.00 | 49.92 |
| 2030 | 5.00 | 275.00 | 308.00 | 588.00 | 49.00 |
| 2031 | 5.00 | 275.00 | 297.00 | 577.00 | 48.08 |
| 2032 | 5.00 | 275.00 | 286.00 | 566.00 | 47.17 |
| 2033 | 5.00 | 275.00 | 275.00 | 555.00 | 46.25 |
| 2034 | 5.00 | 275.00 | 264.00 | 544.00 | 45.33 |
| 2035 | 5.00 | 275.00 | 253.00 | 533.00 | 44.42 |
| 2036 | 5.00 | 275.00 | 242.00 | 522.00 | 43.50 |
| 2037 | 5.00 | 275.00 | 231.00 | 511.00 | 42.58 |
| 2038 | 5.00 | 275.00 | 220.00 | 500.00 | 41.67 |
| 2039 | 5.00 | 275.00 | 209.00 | 489.00 | 40.75 |
| 2040 | 5.00 | 275.00 | 198.00 | 478.00 | 39.83 |
| 2041 | 5.00 | 275.00 | 187.00 | 467.00 | 38.92 |
| 2042 | 5.00 | 275.00 | 176.00 | 456.00 | 38.00 |
| 2043 | 5.00 | 275.00 | 165.00 | 445.00 | 37.08 |
| 2044 | 5.00 | 275.00 | 154.00 | 434.00 | 36.17 |
| 2045 | 5.00 | 275.00 | 143.00 | 423.00 | 35.25 |
| 2046 | 5.00 | 275.00 | 132.00 | 412.00 | 34.33 |
| 2047 | 5.00 | 275.00 | 121.00 | 401.00 | 33.42 |
| 2048 | 5.00 | 275.00 | 110.00 | 390.00 | 32.50 |
| 2049 | 5.00 | 275.00 | 99.00 | 379.00 | 31.58 |
| 2050 | 5.00 | 275.00 | 88.00 | 368.00 | 30.67 |
| 2051 | 5.00 | 275.00 | 77.00 | 357.00 | 29.75 |
| 2052 | 5.00 | 275.00 | 66.00 | 346.00 | 28.83 |
| 2053 | 5.00 | 275.00 | 55.00 | 335.00 | 27.92 |
| 2054 | 5.00 | 275.00 | 44.00 | 324.00 | 27.00 |
| 2055 | 5.00 | 275.00 | 33.00 | 313.00 | 26.08 |
| 2056 | 5.00 | 275.00 | 22.00 | 302.00 | 25.17 |
| 2057 | 5.00 | 275.00 | 11.00 | 291.00 | 24.25 |
| | \$ 981.00 | \$ 11,000.00 | \$ 9,020.00 | \$ 21,001.00 | |

Connection Fee \$ 11,000
 Interest Rate 4%

615 Griswold, Suite 1225
Detroit, Michigan 48226-3282
PHONE: (313) 961-8222 FAX: (313) 961-8220

The information contained herein was derived from sources generally recognized as reliable and does not make any representations as to correctness or completeness and has in no way been altered except to the extent that some information may be summarized, and is in no way intended to be a solicitation for orders.



\$25,320,000
Oshtemo Charter Township
County of Kalamazoo, State of Michigan
General Obligation Limited Tax Bonds

SCHEDULE OF CONNECTION FEES, DEBT SERVICE REQUIREMENTS AND COVERAGE

| Year | Projected ¹ REU's | Total ² REU's | Revenue from ³ Conn Fees | Revenue from ⁴ Gen. Fund | Total Revenue Before Debt Service Charge | Annual ⁵ Debt Service Charge | Total Revenues | Debt ⁶ Service Requirements | Bond ⁷ Reserve Requirement | Annual Surplus (Deficit) | Surplus (Deficit) Cumulative |
|---------|---------------------------------|-----------------------------|--|--|--|---|-------------------|--|---|--------------------------------|------------------------------------|
| 2018 | 363 | 4,231 | \$ 259,545 | \$ 193,594 | \$ 453,139 | \$ 321,556 | \$ 774,695 | \$ 774,375 | \$ 104,300 | \$ 320 | \$ 320 |
| 2019 | 363 | 4,594 | 517,657 | 195,944 | 713,600 | 349,144 | 1,062,744 | 1,062,744 | 104,300 | 174,669 | 174,989 |
| 2020 | 374 | 4,968 | 782,391 | 294,256 | 1,076,648 | 377,568 | 1,454,216 | 1,177,025 | 104,300 | 172,891 | 347,880 |
| 2021 | 71 | 5,039 | 822,321 | 309,538 | 1,131,858 | 382,964 | 1,514,822 | 1,238,150 | 104,300 | 172,372 | 520,252 |
| 2022 | 71 | 5,110 | 861,992 | 325,488 | 1,187,479 | 388,360 | 1,575,839 | 1,301,950 | 104,300 | 169,589 | 689,841 |
| 2023 | 11 | 5,121 | 856,158 | 322,369 | 1,178,527 | 389,196 | 1,567,723 | 1,289,475 | 104,300 | 173,948 | 863,789 |
| 2024 | 11 | 5,132 | 850,287 | 320,444 | 1,170,731 | 390,032 | 1,560,763 | 1,281,775 | 104,300 | 174,688 | 1,038,477 |
| 2025 | 11 | 5,143 | 844,382 | 318,444 | 1,162,826 | 390,868 | 1,553,694 | 1,273,775 | 104,300 | 175,619 | 1,214,096 |
| 2026 | 11 | 5,154 | 838,445 | 316,369 | 1,154,814 | 391,704 | 1,546,518 | 1,265,475 | 104,300 | 176,743 | 1,390,839 |
| 2027 | 11 | 5,165 | 832,479 | 314,219 | 1,146,698 | 392,540 | 1,539,238 | 1,256,875 | 104,300 | 178,063 | 1,568,902 |
| 2028 | 11 | 5,176 | 826,487 | 311,994 | 1,138,480 | 393,376 | 1,531,856 | 1,247,975 | 104,300 | 179,581 | 1,748,484 |
| 2029 | 11 | 5,187 | 820,472 | 309,694 | 1,130,166 | 25,935 | 1,156,101 | 1,238,775 | - | (82,674) | 1,665,809 |
| 2030 | 11 | 5,198 | 814,440 | 307,319 | 1,121,758 | 25,990 | 1,147,748 | 1,229,275 | - | (81,527) | 1,584,283 |
| 2031 | 11 | 5,209 | 808,394 | 304,869 | 1,113,263 | 26,045 | 1,139,308 | 1,219,475 | - | (80,167) | 1,504,116 |
| 2032 | 11 | 5,220 | 802,342 | 302,344 | 1,104,686 | 26,100 | 1,130,786 | 1,209,375 | - | (78,589) | 1,425,527 |
| 2033 | 11 | 5,231 | 796,290 | 300,975 | 1,097,265 | 26,155 | 1,123,420 | 1,203,900 | - | (80,480) | 1,345,046 |
| 2034 | 11 | 5,242 | 790,246 | 298,263 | 1,088,508 | 26,210 | 1,114,718 | 1,193,050 | - | (78,332) | 1,266,715 |
| 2035 | 11 | 5,253 | 784,219 | 295,475 | 1,079,694 | 26,265 | 1,105,959 | 1,181,900 | - | (76,941) | 1,190,774 |
| 2036 | 12 | 5,265 | 779,161 | 293,844 | 1,073,005 | 26,385 | 1,099,330 | 1,175,375 | - | (76,045) | 1,114,729 |
| 2037 | 12 | 5,277 | 774,149 | 292,100 | 1,066,249 | 26,385 | 1,092,634 | 1,168,400 | - | (75,766) | 1,038,963 |
| 2038 | - | 5,277 | 757,320 | 285,319 | 1,042,638 | 26,385 | 1,069,023 | 1,141,275 | - | (72,252) | 966,711 |
| 2039 | - | 5,277 | 740,490 | 279,806 | 1,020,297 | 26,385 | 1,046,682 | 1,119,225 | - | (72,543) | 894,168 |
| 2040 | - | 5,277 | 723,661 | 273,063 | 996,724 | 26,385 | 1,023,109 | 1,092,250 | - | (69,141) | 825,027 |
| 2041 | - | 5,277 | 706,832 | 266,356 | 973,188 | 26,385 | 999,573 | 1,085,425 | - | (65,852) | 759,175 |
| 2042 | - | 5,277 | 690,002 | 259,688 | 949,690 | 26,385 | 976,075 | 1,038,750 | - | (62,675) | 696,500 |
| 2043 | - | 5,277 | 673,173 | 253,056 | 926,229 | 26,385 | 952,614 | 1,012,225 | - | (59,611) | 636,889 |
| 2044 | - | 5,277 | 656,344 | 247,684 | 904,038 | 26,385 | 930,423 | 980,775 | - | (60,352) | 576,536 |
| 2045 | - | 5,277 | 639,514 | 241,100 | 880,614 | 26,385 | 906,989 | 964,400 | - | (67,401) | 519,136 |
| 2046 | - | 5,277 | 622,685 | 234,544 | 857,229 | 26,385 | 883,614 | 938,175 | - | (54,561) | 464,575 |
| 2047 | - | 5,277 | 605,856 | 228,025 | 833,881 | 26,385 | 860,266 | 912,100 | - | (51,834) | 412,741 |
| 2048 | - | 5,277 | 589,026 | 221,544 | 810,570 | 26,385 | 836,955 | 886,175 | - | (49,220) | 363,521 |
| 2049 | - | 5,277 | 572,197 | 215,100 | 787,297 | 26,385 | 813,682 | 860,400 | - | (46,718) | 316,803 |
| 2050 | - | 5,277 | 555,368 | 208,684 | 764,052 | 26,385 | 790,447 | 834,775 | - | (44,328) | 272,475 |
| 2051 | - | 5,277 | 538,538 | 202,325 | 740,863 | 26,385 | 767,248 | 809,300 | - | (42,052) | 230,423 |
| 2052 | - | 5,277 | 521,709 | 195,994 | 717,703 | 26,385 | 744,068 | 783,975 | - | (39,877) | 190,536 |
| 2053 | - | 5,277 | 504,880 | 189,700 | 694,580 | 26,385 | 720,965 | 758,800 | - | (37,835) | 152,701 |
| 2054 | - | 5,277 | 488,050 | 183,444 | 671,494 | 26,385 | 697,879 | 733,775 | - | (35,896) | 116,805 |
| 2055 | - | 5,277 | 471,221 | 177,225 | 648,446 | 26,385 | 674,831 | 708,900 | - | (34,069) | 82,736 |
| 2056 | - | 5,277 | 454,392 | 171,044 | 625,436 | 26,385 | 651,821 | 684,175 | - | (32,354) | 50,382 |
| 2057 | - | 5,277 | 437,563 | 163,669 | 601,231 | 26,385 | 627,616 | 654,675 | - | (27,059) | 23,323 |
| 207,455 | | | \$ 27,410,680 | \$ 10,424,925 | \$ 37,835,605 | \$ 4,930,418 | \$ 42,766,023 | \$ 41,699,700 | \$ 1,043,000 | \$ 23,323 | \$ 23,323 |

| | |
|--|-----------|
| Annual Debt Service Charge (2018-2028) | \$ 76,000 |
| Annual Debt Service Charge (2029-2057) | 5.00 |

Notes

- ¹ See Schedule of REU's
- ² Includes existing REU's of 3,868
- ³ See Schedule of Connection Fees, assumes that each connection costs residents \$11,000 to be paid within 40 years with interest of 4.0%
- ⁴ Assumes that 25% of the debt service requirement each year will be paid from the General Fund
- ⁵ Annual Debt Service Charge is the annual charge to each REU (\$76 per REU 2017-2028 and \$5.00 per REU 2029-2057) to cover remaining debt service requirements after connections fees and General Fund Revenue is taken into account
- ⁶ See Schedule of Debt Service Requirements, 40 year term and 3.0% interest rate
- ⁷ Rural Development Bonds require a bond reserve, see Rural Development Bond Reserve Calculation

615 Griswold Suite 1225, Detroit, Michigan 48226-3282
PHONE: (313) 961-8222 FAX: (313) 961-8220

The information contained herein was derived from sources generally recognized as reliable and does not make any representations as to correctness or completeness and has in no way been altered except to the extent that some information may be summarized, and is in no way intended to be a solicitation for orders.



\$25,320,000

Oshtemo Charter Township
County of Kalamazoo, State of Michigan
General Obligation Limited Tax Bonds

RURAL DEVELOPMENT BOND RESERVE CALCULATION

| | | |
|-------|------------|---|
| \$ | 41,699,700 | Total Debt Service |
| | 40 | Financing Term (Years) |
| <hr/> | | |
| \$ | 1,043,000 | Total Bond Reserve (rounded up to nearest thousand) |
| | 10 | Bond Reserve Term (Years) |
| \$ | 104,300 | Annual Bond Reserve (Years 1 through 10) |

**615 Griswold, Suite 1225
Detroit, Michigan 48226-3282
PHONE: (313) 961-8222 FAX: (313) 961-8220**

The information contained herein was derived from sources generally recognized as reliable and does not make any representations as to correctness or completeness and has in no way been altered except to the extent that some information may be summarized, and is in no way intended to be a solicitation for orders.

\$25,320,000
 Oshtemo Charter Township
 County of Kalamazoo, State of Michigan
 General Obligation Limited Tax Bonds

SCHEDULE OF DEBT SERVICE REQUIREMENTS

| Year | Principal Due April 1 | Interest Rate | Interest Due April 1 | Interest Due October 1 | Total Principal & Interest Requirements |
|-------------|--------------------------------------|--------------------------|-------------------------------------|---------------------------------------|--|
| 2018 | \$ 15,000 | 3.000% | \$ 379,800 | \$ 379,575 | \$ 774,375 |
| 2019 | 25,000 | 3.000% | 379,575 | 379,200 | 783,775 |
| 2020 | 425,000 | 3.000% | 379,200 | 372,825 | 1,177,025 |
| 2021 | 500,000 | 3.000% | 372,825 | 365,325 | 1,238,150 |
| 2022 | 580,000 | 3.000% | 365,325 | 356,625 | 1,301,950 |
| 2023 | 585,000 | 3.000% | 356,625 | 347,850 | 1,289,475 |
| 2024 | 595,000 | 3.000% | 347,850 | 338,925 | 1,281,775 |
| 2025 | 605,000 | 3.000% | 338,925 | 329,850 | 1,273,775 |
| 2026 | 615,000 | 3.000% | 329,850 | 320,625 | 1,265,475 |
| 2027 | 625,000 | 3.000% | 320,625 | 311,250 | 1,256,875 |
| 2028 | 635,000 | 3.000% | 311,250 | 301,725 | 1,247,975 |
| 2029 | 645,000 | 3.000% | 301,725 | 292,050 | 1,238,775 |
| 2030 | 655,000 | 3.000% | 292,050 | 282,225 | 1,229,275 |
| 2031 | 665,000 | 3.000% | 282,225 | 272,250 | 1,219,475 |
| 2032 | 675,000 | 3.000% | 272,250 | 262,125 | 1,209,375 |
| 2033 | 690,000 | 3.000% | 262,125 | 251,775 | 1,203,900 |
| 2034 | 700,000 | 3.000% | 251,775 | 241,275 | 1,193,050 |
| 2035 | 710,000 | 3.000% | 241,275 | 230,625 | 1,181,900 |
| 2036 | 725,000 | 3.000% | 230,625 | 219,750 | 1,175,375 |
| 2037 | 740,000 | 3.000% | 219,750 | 208,650 | 1,168,400 |
| 2038 | 735,000 | 3.000% | 208,650 | 197,625 | 1,141,275 |
| 2039 | 735,000 | 3.000% | 197,625 | 186,600 | 1,119,225 |
| 2040 | 730,000 | 3.000% | 186,600 | 175,650 | 1,092,250 |
| 2041 | 725,000 | 3.000% | 175,650 | 164,775 | 1,065,425 |
| 2042 | 720,000 | 3.000% | 164,775 | 153,975 | 1,038,750 |
| 2043 | 715,000 | 3.000% | 153,975 | 143,250 | 1,012,225 |
| 2044 | 715,000 | 3.000% | 143,250 | 132,525 | 990,775 |
| 2045 | 710,000 | 3.000% | 132,525 | 121,875 | 964,400 |
| 2046 | 705,000 | 3.000% | 121,875 | 111,300 | 938,175 |
| 2047 | 700,000 | 3.000% | 111,300 | 100,800 | 912,100 |
| 2048 | 695,000 | 3.000% | 100,800 | 90,375 | 886,175 |
| 2049 | 690,000 | 3.000% | 90,375 | 80,025 | 860,400 |
| 2050 | 685,000 | 3.000% | 80,025 | 69,750 | 834,775 |
| 2051 | 680,000 | 3.000% | 69,750 | 59,550 | 809,300 |
| 2052 | 675,000 | 3.000% | 59,550 | 49,425 | 783,975 |
| 2053 | 670,000 | 3.000% | 49,425 | 39,375 | 758,800 |
| 2054 | 665,000 | 3.000% | 39,375 | 29,400 | 733,775 |
| 2055 | 660,000 | 3.000% | 29,400 | 19,500 | 708,900 |
| 2056 | 655,000 | 3.000% | 19,500 | 9,675 | 684,175 |
| 2057 | 645,000 | 3.000% | 9,675 | - | 654,675 |
| | <u>\$ 25,320,000</u> | | <u>\$ 8,379,750</u> | <u>\$ 7,999,950</u> | <u>\$ 41,699,700</u> |

**615 Griswold, Suite 1225
 Detroit, Michigan 48226-3282
 PHONE: (313) 961-8222 FAX: (313) 961-8220**

The information contained herein was derived from sources generally recognized as reliable and does not make any representations as to correctness or completeness and has in no way been altered except to the extent that some information may be summarized, and is in no way intended to be a solicitation for orders.



\$25,320,000
 Oshtemo Charter Township
 County of Kalamazoo, State of Michigan
 General Obligation Limited Tax Bonds

SCHEDULE OF REMAINING BALANCE OF CONNECTION FEES

| | New Connections by Year | Years to Pay | Remaining Principal | Principal Received | Interest Received | Total Principal and Interest Received |
|------|-------------------------------|--------------|------------------------|-----------------------|----------------------|---|
| 2018 | 363 | 40 | \$ 3,893,175 | \$ 99,825 | \$ 159,720 | \$ 259,545 |
| 2019 | 363 | 39 | 7,683,965 | 202,210 | 315,447 | 517,657 |
| 2020 | 374 | 38 | 11,487,493 | 310,473 | 471,919 | 782,391 |
| 2021 | 71 | 37 | 11,936,912 | 331,581 | 490,740 | 822,321 |
| 2022 | 71 | 36 | 12,364,636 | 353,275 | 508,716 | 861,992 |
| 2023 | 11 | 35 | 12,128,904 | 356,732 | 499,425 | 856,158 |
| 2024 | 11 | 34 | 11,889,613 | 360,291 | 489,996 | 850,287 |
| 2025 | 11 | 33 | 11,646,655 | 363,958 | 480,425 | 844,382 |
| 2026 | 11 | 32 | 11,399,915 | 367,739 | 470,706 | 838,445 |
| 2027 | 11 | 31 | 11,149,273 | 371,642 | 460,837 | 832,479 |
| 2028 | 11 | 30 | 10,894,597 | 375,676 | 450,811 | 826,487 |
| 2029 | 11 | 29 | 10,635,749 | 379,848 | 440,624 | 820,472 |
| 2030 | 11 | 28 | 10,372,579 | 384,170 | 430,270 | 814,440 |
| 2031 | 11 | 27 | 10,104,928 | 388,651 | 419,743 | 808,394 |
| 2032 | 11 | 26 | 9,832,623 | 393,305 | 409,037 | 802,342 |
| 2033 | 11 | 25 | 9,555,479 | 398,145 | 398,145 | 796,290 |
| 2034 | 11 | 24 | 9,273,292 | 403,187 | 387,059 | 790,246 |
| 2035 | 11 | 23 | 8,985,844 | 408,447 | 375,772 | 784,219 |
| 2036 | 12 | 22 | 8,703,397 | 414,447 | 364,714 | 779,161 |
| 2037 | 12 | 21 | 8,414,664 | 420,733 | 353,416 | 774,149 |
| 2038 | - | 20 | 7,993,931 | 420,733 | 336,587 | 757,320 |
| 2039 | - | 19 | 7,573,197 | 420,733 | 319,757 | 740,490 |
| 2040 | - | 18 | 7,152,464 | 420,733 | 302,928 | 723,661 |
| 2041 | - | 17 | 6,731,731 | 420,733 | 286,099 | 706,832 |
| 2042 | - | 16 | 6,310,998 | 420,733 | 269,269 | 690,002 |
| 2043 | - | 15 | 5,890,265 | 420,733 | 252,440 | 673,173 |
| 2044 | - | 14 | 5,469,531 | 420,733 | 235,611 | 656,344 |
| 2045 | - | 13 | 5,048,798 | 420,733 | 218,781 | 639,514 |
| 2046 | - | 12 | 4,628,065 | 420,733 | 201,952 | 622,685 |
| 2047 | - | 11 | 4,207,332 | 420,733 | 185,123 | 605,856 |
| 2048 | - | 10 | 3,786,599 | 420,733 | 168,293 | 589,026 |
| 2049 | - | 9 | 3,365,866 | 420,733 | 151,464 | 572,197 |
| 2050 | - | 8 | 2,945,132 | 420,733 | 134,635 | 555,368 |
| 2051 | - | 7 | 2,524,399 | 420,733 | 117,805 | 538,538 |
| 2052 | - | 6 | 2,103,666 | 420,733 | 100,976 | 521,709 |
| 2053 | - | 5 | 1,682,933 | 420,733 | 84,147 | 504,880 |
| 2054 | - | 4 | 1,262,200 | 420,733 | 67,317 | 488,050 |
| 2055 | - | 3 | 841,466 | 420,733 | 50,488 | 471,221 |
| 2056 | - | 2 | 420,733 | 420,733 | 33,659 | 454,392 |
| 2057 | - | 1 | 0 | 420,733 | 16,829 | 437,563 |
| | <u>1,409</u> | | | <u>\$ 15,499,000</u> | <u>\$ 11,911,680</u> | <u>\$ 27,410,680</u> |

Connection Fee \$11,000.00

Interest Rate 4.000%

**615 Griswold, Suite 1225
 Detroit, Michigan 48226-3282
 PHONE: (313) 961-8222 FAX: (313) 961-8220**

The information contained herein was derived from sources generally recognized as reliable and does not make any representations as to correctness or completeness and has in no way been altered except to the extent that some information may be summarized, and is in no way intended to be a solicitation for orders.



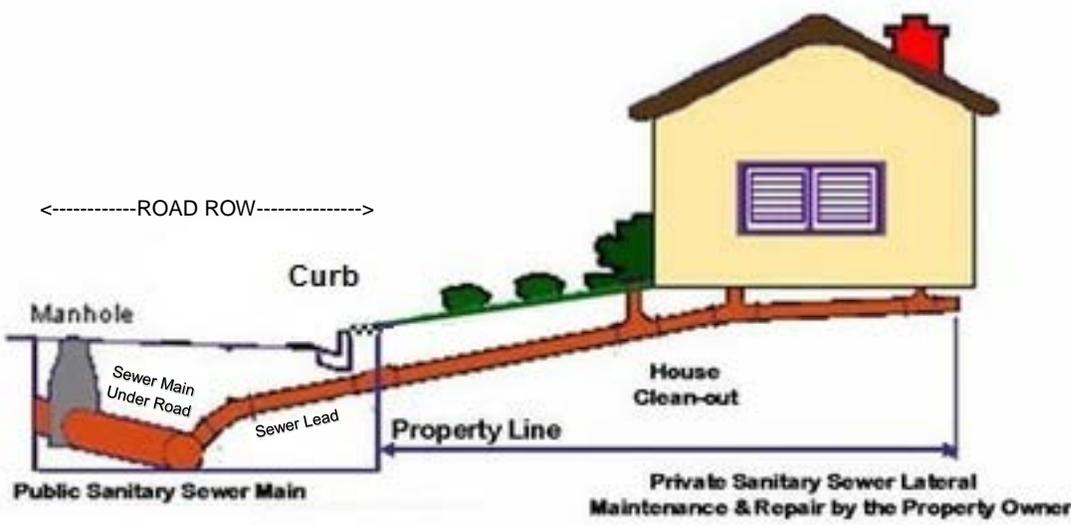
FREQUENTLY ASKED QUESTIONS

Sanitary Sewer – USDA Rural Development Grant/Loan Program

“Oshtemo Board Approves Pre-Application for Federal Program Funds”

February 14, 2017

| | |
|--|---|
| <p>How much will sanitary sewer cost me?</p> | <p>The average cost of the municipal sewer connection to residents will be about \$11,000. This is roughly the cost of a new septic system. Some Oshtemo homeowners are on their fourth septic system! The full project costs for the new public sewer, such as bond or loan costs and roadway reconstruction, will be significantly subsidized from general Township funds and a debt service fee that will end when the bond expires.</p> <p>Residents will also need to plan and contract for the private-side construction costs associated with abandoning your septic system and connecting to the public sanitary sewer service. This work is typically performed by a septic system service firm, a licensed excavator or a plumber. While a plumbing permit is required, please know that a licensed excavator can perform the work if the work is limited to the exterior of the building. An estimated average expense for this private work is \$3000, but actual costs will vary.</p> <p>These are one-time costs. The Township’s financial consultants have estimated (depending on the Township’s borrowing costs) that the Oshtemo sponsored installment-payment plan would cost homeowners \$67 to \$88 per month—declining each year as the borrowed principal is repaid. The lower cost figure assumes success in getting governmental loan funding through the Rural Development Program.</p> |
| <p>What has the Township done to drive down the cost?</p> | <p>The Township has worked hard over a number of years to figure out the most cost efficient means to construct and finance sanitary sewer. Some of the work is:</p> <ul style="list-style-type: none"> • Applying for governmental low interest loan/grant programs • Negotiating with the City to lower monthly charges • Constructing sewer when roads are also in need of replacement • Providing a mortgage payment program for the connection costs, at the same interest rate the Township has through the low-interest loan program |
| <p>What are my options for paying to connect?</p> | <p>A homeowner can pay cash, seek a private home equity loan, or consent to a utility installment-payment plan (mortgage) with the Township. A mortgage with the Township today includes a 15-year repayment period, with no pre-payment penalty, and early payoff is permitted. Additionally, any financing benefits acquired through municipal bonds or a governmental loan to the Township are proposed to be extended to individual homeowner by aligning the homeowner mortgage agreements with the municipal financing terms obtained by the Township. The Board’s financial consultants are projecting homeowner mortgage rates to be 4%, and the pay-back period extended to 20 or perhaps as long as 40 years. Longer pay-back will reduce your annual costs. However interest payments are also extended and this may increase your overall cost of financing. Regardless, the Township plans to continue the penalty-free, early payment provisions of our current residential mortgage financing program.</p> <p>Financial assistance is also available for qualified owners with poverty level incomes. In this case the State of Michigan will make the utility connection payment on the owner’s behalf. This will be in the form of a property lien that becomes due upon land sale or estate transfer.</p> |

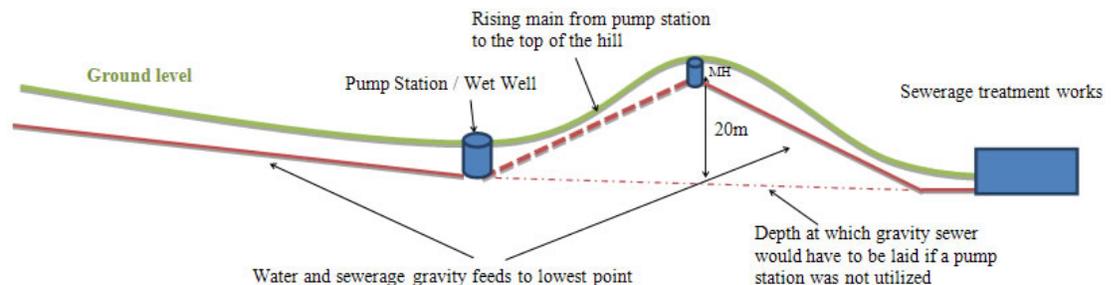
| | |
|---|--|
| <p>Do I have to connect to public sanitary sewer?</p> | <p>State law requires connection within 18 months after it is available and the Township has provided notice of the requirement to connect. [By ordinance Oshtemo has elected to make notice in a form that will provide residents 24 months to complete the connection.]</p> <p>Note: The Environmental Health Department of Kalamazoo County may compel immediate connection should the condition of the current septic system be found to be a public health threat. Also if you sell your home, the purchaser's mortgage finance company may require the sewer connection. Sellers in this situation often negotiate the sewer cost in the sales agreement.</p> |
| <p>When will I know it's time to connect?</p> | <p>The Township will notify property owners when the sewer service is available and it's time to connect. In locations where sanitary sewer is currently available and some existing properties remain on private septic systems, owners can expect to be notified shortly after the Township has confidence in its likely municipal loan/bond financing terms. Service connections are to be completed within two years following notification of sewer service availability.</p> |
| <p>What if I have just put in a new septic system?</p> | <p>The Township recognizes that some residents may have repaired or upgraded their existing systems in recent years. To respect this good-faith investment, by ordinance the Township provides for an average service life of 15-years for septic systems. If you have a septic system newer than 15 years and receive notice to connect, you will be asked to provide documentation verifying the system age. Your time to connect will thereby be extended up to the time that your system reaches 15 years in age. County records of septic system permitting will serve as primary proof of age.</p> |
| <p>Where on my lot will I connect to the sanitary sewer?</p> | <p>When the sewer is constructed in your street, the contractor will work with homeowners to determine the sewer service "lead" location for your specific property to best service your home. For new construction, you will be given contact information and a wooden stake that you will be requested to mark where you would like the new sewer lead to be placed. For existing sewers, a similar process was used at the time of construction.</p> <p>Generally, leads are extended at right angles from the road, into your property to the edge of right-of-way. This distance is typically 33 feet from the roadway centerline or 15 feet past the edge of curb. We recommend you review your septic installation records to determine where your waste pipe leaves the structure, and how best to run a gravity flowing pipe into the service lead. As new sewers are being built, the Township's designated contact person may be able to recommend a location from the few visual indicators which suggest where your septic may be located. You should also consider obtaining your septic system as-built records from the County Environment Health Department, or seek advice from your septic system service company.</p>  <p>The diagram illustrates the sewer service connection. On the left, a dashed line indicates the 'ROAD ROW' (Right-of-Way). Below it, a 'Manhole' is shown with a 'Sewer Main Under Road' pipe. A 'Curb' is marked at the edge of the road. A 'Sewer Lead' pipe extends from the curb across the 'Property Line' to a 'House Clean-out' on the side of a yellow house. The area from the curb to the property line is labeled 'Public Sanitary Sewer Main', and the area from the property line to the house is labeled 'Private Sanitary Sewer Lateral Maintenance & Repair by the Property Owner'.</p> |

Ok, I'll be ready to connect when notified. What can I expect?

If you are notified because sewer is currently available, there are two steps: (1) arrange payment of connection fees with the Township and (2) hire a contractor to complete the private property side of the work needed to connect to the public sewer lead. Your contractor will obtain any necessary permits and coordinate with the Township to complete the work.

If you have been notified while new construction is underway, you may proceed with the above two steps, but please be aware that the actual date the sewer is made available, and the contractor allowed to complete the connection will vary by project. Construction schedules have not been developed. After the public sewer contractor is selected, the Township will seek to publish progress schedules and related information through updates to be posted on the Oshtemo web site.

The Oshtemo sewer is a gravity fed sewer system that drains naturally into the City of Kalamazoo wastewater treatment plant. As a consequence, you will generally see the construction start at the bottom and proceed in an uphill direction. In locations behind hills, the sewer system may first drain into a small area pump station. Pumps are used to move the waste out of valleys or over hills.



The total amount of sewer construction assures that different neighborhoods will be completed at different times throughout a projected three year construction program. Also, certain certification testing of the public sewer system requires a 30-day rest period before testing. Once the roadway is fully reconstructed the sewer is likely to be available for use. However, sewer extensions that include building a sewer pumping station (see figure) can add several months to the timeframe that the sewer can be used.

My septic system is starting to fail. What do I do since the sewer will not be constructed for a few years?

The County Health Department is aware of the planned sanitary sewer construction projects. They will work with homeowners to try to avoid construction of a new system if the public sewer line will be available within a few years.

I am now connected to sewer; what are the regular service fees?

The average sewer bill is around \$22/month (\$64/quarter). The Township continues to negotiate with the City to more fairly charge "outside City" customers. There will be an additional \$5/month or \$15/quarter user fee as a temporary debt service charge to finance Township bond/loan financing of the new sewer construction. This debt service fee will end with the Township's final bond payment.

What about me? Are you bringing sanitary sewer into my neighborhood?

A map of the sewer projects which are part of the current grant/loan application is available on the Township web site. These projects are identified in the pre-application project list and represent about 60% of the sewer extensions needed in the Township. As a growing community, additional sanitary sewer system needs have been identified on a 30-40 year Capital Improvements Plan.

Why is the Township extending the public sanitary sewer system?

Public sewers are an important element of environmental stewardship and public health. Through Public Act 368 of 1978, the Michigan Legislature declared “public sanitary sewer systems are essential to the health, safety, and welfare of the people of the state.” Oshtemo Township has constructed sanitary sewer lines over many decades. These lines allowed for the development of commercial, multi-unit housing, and industrial areas. However sanitary sewer areas in the Township are a “patchwork,” leaving many areas unserved or underserved. This is particularly true within older residential neighborhoods and developed areas. For example, sewer is not extended to the Township Hall!

Septic systems in these unserved areas can end up costing more over the long term when the cost of maintenance (sometimes emergency during the holidays when more guests are visiting!), septic system longevity, and reconstruction are factored in.¹ Also, the land needed for septic system repairs and reconstruction may result in a need to take down mature trees or the costly removal of major landscape investments and ornamental foliage.

The life of residential streets is also limited. The Township needs to rebuild roads in many areas. The Township has aligned roadway maintenance needs with the sewer need. Over the past seven years the Township deferred spending money on major pavement reconstruction projects where public sewer is needed. Overall project costs are reduced through economies of scale by combining road reconstruction with sewer placement. Given this alignment, now is a good time to build sewer.

Michigan State University completed a study in 2015 on the amount of E-coli in Michigan rivers². The Kalamazoo River is in the top 5 for the amount of E-coli surface water pollution. Most of this is attributed to failing septic systems. Michigan is one of two states without a Statewide Septic Code. And the County has no inspection program. Private maintenance is done sporadically; education on care of septic systems is minimal.

Additionally, the wastewater treatment plant, through mechanical aerobic and carbon filtering processes, removes nitrates, phosphorus, and other compounds, releasing 95-98% better water, as compared to 30-40% from septic systems, even when brand new.³

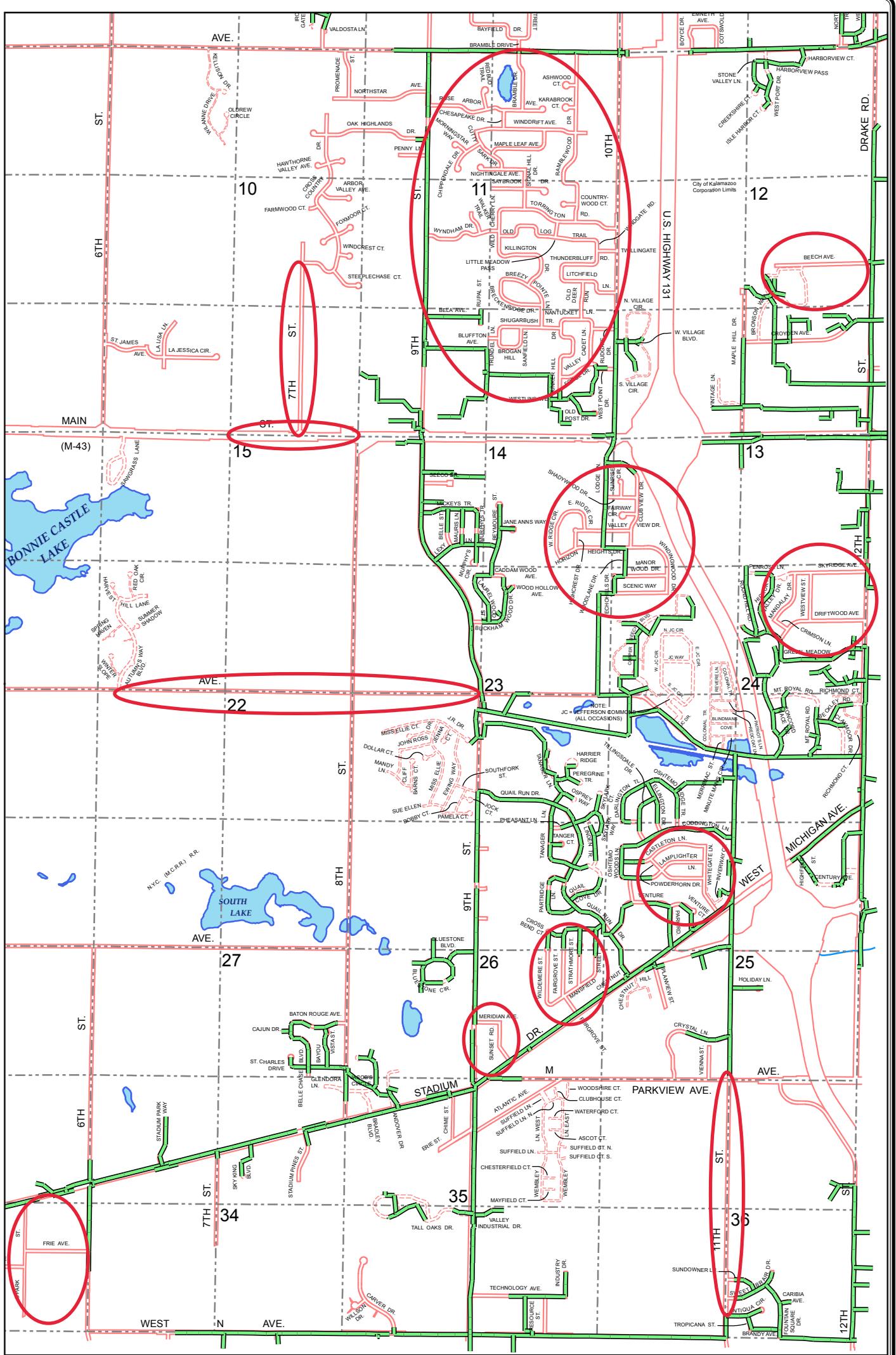
The Kalamazoo area public water system, the water everyone drinks, uses ground water. Locations without public water service are on private water wells which are rarely tested for water quality concerns after first installed. Municipal public sewers with advanced wastewater treatment will better protect this resource. The bottom line—

- Enhanced environmental health and safety
 - Greatly improved sewage treatment
 - Less cost over the long term
 - Better system reliability
 - Rebuilt roads
 - Groundwater protection

¹ Oshtemo Township Sewer System Impact Analysis, W.E. Upjohn Report (available on Township website)

² MSU Report & Articles (available on Township website)

³ Kalamazoo City Wastewater Treatment Presentation (Township Board 2015 11-10)



Date: 2/22/2017
 0 325 650 1,300 1,950 2,600
 Feet

Charter Township of Oshtemo Kalamazoo Co., Michigan

- Existing Sewer Lines
- Planned Sewer Extensions, 2017-2020

This map is for reference purposes only. While it is intended to be an accurate graphic representation, its accuracy cannot be guaranteed. Any conclusions or information derived from this map are at the users sole risk.



Township Board Visioning Retreat Outcomes

Core Values:

PUBLIC SERVICE

- Fair treatment to all people, regardless of socioeconomic status, religious beliefs, race, ethnic background, gender, sexual orientation or identity, and age.
- Each customer is welcomed when they arrive and that their input is wanted.
- Difficult questions are not marginalized and the customer never leaves feeling as though their problem won't be addressed in some way.
- Every effort is made to allow residents to interact directly with the township staff and officials, either by phone, in person, or online.
- Decisions are made based on the value to our Township and residents, recognizing our own authority and when partnerships are appropriate for the best outcomes.

SUSTAINABILITY

- Policies that meet the needs of the present without compromising the ability of future generations to meet their own needs.
 - Considering the environment through practices that reduce impacts and preserve existing natural features. Protecting our water and land to protect the health and safety of our residents.
 - Being fiscally responsible with tax payer's monies through value conscious decision making.
 - Committing to quality Fire and Police protection, as well as Community Policing, that is proactive instead of reactive.

INNOVATION

- Providing the best value-conscious technology currently available.
- Leverage new technologies and ways of doing business to increase accessibility and improve services to better serve our residents and businesses.

PROFESSIONALISM

- Hire staff with strong core competencies within their given profession.
- Commitment to continuous improvement to government operations.
- Dedicated to open communication to improve productivity and effectiveness.
- Advocate for honesty and integrity in all dealings

INTEGRITY

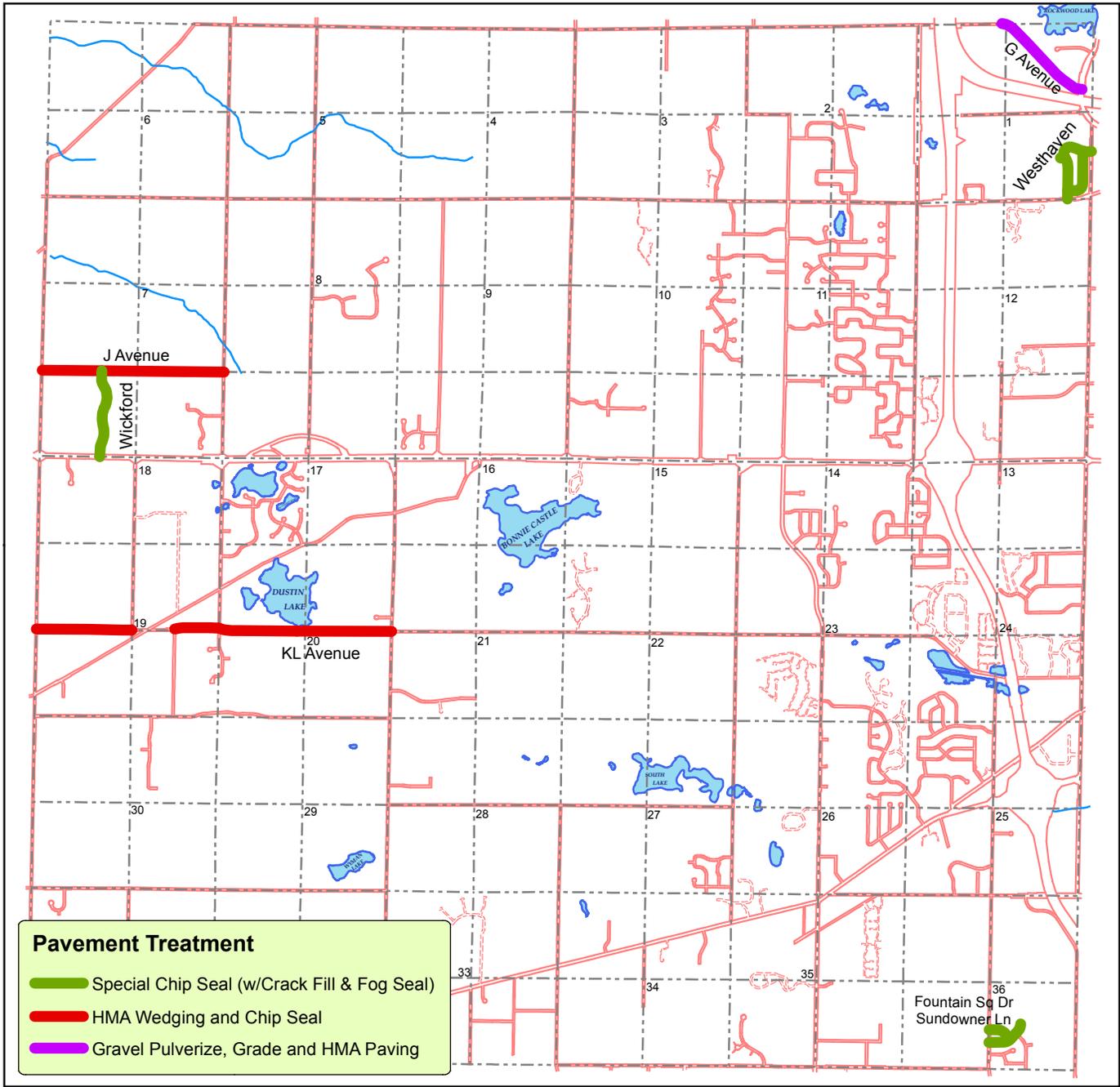
- Decisions are made logically through the collection of evidence, facts, and public input.
- When promises are made, we follow through.
- We do not obfuscate - we say what we mean and do what we say (both leadership and staff).
- Transparent governmental practices are of the highest priority.

Mission Statement:

“To advance the quality of life of all residents through a commitment to responsible growth, and value-driven municipal services that promote the relationship between economic vitality, environmental stewardship and social equity.”

Vision Statement:

“A sustainable and innovative community built through a legacy of planned, responsible growth and rural preservation.”



Pavement Treatment

- █ Special Chip Seal (w/Crack Fill & Fog Seal)
- █ HMA Wedging and Chip Seal
- █ Gravel Pulverize, Grade and HMA Paving

2017 Roadway Maintenance Projects

Project Length = 5.1 mi



This map is for reference purposes only. While it is intended to be an accurate graphic representation, its accuracy cannot be guaranteed. Any conclusions or information derived from this map are at the users sole risk.

| Roadway | Length | Description | Cost |
|--------------------|--------|--|------------------|
| G Avenue - Oshtemo | 3244 | Gravel Pulverize, Grade and HMA Paving | 186,989 |
| J Avenue | 5538 | HMA Wedging, Crack Fill and Chip Seal | 49,694 |
| KL Avenue - 2nd St | 6705 | HMA Wedging and Chip Seal | 67,322 |
| KL Avenue - Vankal | 3010 | HMA Wedging and Chip Seal | 25,193 |
| Sundowner Lane | 1790 | Crack Fill, Chip Seal and Fog Seal | 22,279 |
| Westhaven | 4050 | Crack Fill, Chip Seal and Fog Seal | 30,336 |
| Wickford Drive | 2710 | Crack Fill, Chip Seal and Fog Seal | 28,571 |
| | | Total Cost | \$410,384 |
| | | RCKC PAR | \$204,428 |
| | | Oshtemo Amt | \$205,956 |

Date: 2/23/2017