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

#### **Capital Improvements Committee**

Tuesday, March 10, 2020 (Special Meeting) 2:00 P.M. Fire Station No. 1, Central Administration Area

#### Meeting Agenda

- 1. <u>Welcome/Introductions/Call to Order</u>. The Chair shall welcome members and call the meeting to order.
- 2. Meeting Summary. Members shall review a summary of the CIC meeting held January 21, 2020.
- 3. <u>Property Owner Outreach</u>. Staff has hosted five neighborhood Q&A meetings for homeowners within the Phase 1 project area. The initial notice of this special CIC meeting included distribution of a full *information packet* which summarizes the meeting presentations, plus a detailed Frequently Asked Questions (FAQ) handout. This information is also available on the Township's web site. Please know that a similar, full *information packet* has been mailed to all Phase 1 property owners (282 count). Distribution of an *information packet* to the Phase 2 properties (926 count) should be posted and in the mail by the time of our CIC meeting<sup>1</sup>.

Outreach meetings held last month (6:00 to 7:00+ PM).

<u>date</u>	<u>neighborhood</u>	meeting location
Wed, February 5th	N. 7th St, Sunset Rd., and Meridian Ave.	Oshtemo Community Center
Mon, February 10th	Fairlane Neighborhood (Fairgove St.)	Oshtemo Community Center
Wed, February 12th	Whitegate Farms Neighborhood (Whitegate Ln)	Betzler Funeral Home (Stadium Dr.)
Tues, February 18th	Skyridge Neighborhood (Driftwood & Skyridge)	Skyridge Church of the Brethren
Mon, February 24th	Allenwood Neighborhood (Beech Avenue)	The Fountains at Bronson Place

- 4. Phase 1 Sanitary Sewer Extensions Bid Tab for Contracts A & B. Bid tabulations for Contract A and Contract B have come in over the engineer's estimates (see attached tabulations). An additional Bond sale of about \$1,515,000 is being explored with USDA in order to fund Phase 1. Our financial consultants are working to develop revised cash flow tables to determine the impact of this change. We anticipate this information will be available for the CIC meeting. The Oshtemo Township Board is scheduled to consider award of bid at its March 24th regular meeting.
- 5. <u>Hardship Consideration Sewer Connections</u>. At its February 25th meeting the Township Board deliberated providing payment deferral, connection financing, or connection delay in cases of undue financial hardship. One relief scenario presented by staff projected a public expense of approximately \$600,000. By requiring owners to first leverage federal assistance (if available), a similar level of relief might reduce the Township's cost to \$55,000. These numbers were broadly hypothetical. Addition guidance and scenario projections have been solicited from the financial consulting

<sup>&</sup>lt;sup>1</sup> Distributed materials illustrate an annual installment payment of \$551.08. The flat-rate City of Kalamazoo's sewer service billings as being \$28/month. Private-side sewer connection cost will likely range between \$3,000 to \$8,000, but actual costs may vary significantly.

- professionals currently assisting the Board. A continuation of this discuss is scheduled for the Board's March 24th meeting.
- 6. Roadway Maintenance PAR projects for 2020. The initial notice of this special CIC meeting included distribution of proposed PAR paving projects, limited to the hard-cash match which the Township current budget provided. Road Commission Representatives have been requested to review the Road Commission's policies implementation procedures to "soft-match" the remaining PAR offered with the roadway improvements scheduled to result from the Township's 2020 Extensions of Sanitary Sewers into the Phase 1 Neighborhoods.
- 7. <u>Sanitary Sewer Strategic Master Plan</u>. CIC Members shall be asked to revisit and update Township master planning for major sewer system capital improvements plus local extensions into neighborhoods.
- 8. Miscellaneous Updates. A brief update of other capital projects will be presented:
- 9. <u>Member Comments & Information Items</u>. Attendees will be asked to share items of interest to CIC members.
- 10. <u>Next Meeting</u>. The next regularly scheduled meeting of the Oshtemo Township Capital Improvements Committee (CIC) will be held April 21, 2020 at 1:00 PM.

## **OSHTEMO TOWNSHIP**

## Neighborhood Sanitary Sewer Extension Phase 1, Contract A

#### **BID TABULATION**

Friday, February 21, 2020 Matthew Johnson Date

Project No. 833250

No.   Comparison				1	Paters Cor	nstruction Co.	Ralkema F	xcavating, Inc.	Hoff	man Bros	Milhocke	er & Sons, Inc.	Duniga	n Bros., Inc.	Kamminga 8	& Roodvoets, Inc.
December	Item	Item		Estimated		istruction co.		.xcavating, inc.		man bros		, a cons, mc.		iii Di O3., iii C.		1 ROOUVOELS, IIIC.
General John   Control State			Unit			Amount		Amount		Amount		Amount		Amount		Amount
The Control	_	•														
Company   Comp	G-01	General Conditions, Bonds and Insurances, Max. 5%	LS	1	\$201,950.00	\$201,950.00	\$209,000.00	\$209,000.00	\$126,920.00	\$126,920.00	\$250,000.00	\$250,000.00	\$217,610.00	\$217,610.00	\$283,850.00	\$283,850.00
See   Process Reduncation Control   12   7   1937-150	G-02	Traffic Control	LS	1	\$155,911.10	\$155,911.10	\$75,000.00	\$75,000.00	\$93,525.00	\$93,525.00	\$350,000.00	\$350,000.00	\$56,790.00	\$56,790.00	\$183,500.00	\$183,500.00
Section   Color   Co		Above Ground Video Survey	LS	1				\$4,845.00			\$4,750.00					\$5,000.00
Processor   Proc	G-04		LS	1					\$22,755.00		\$10,000.00				\$16,500.00	
Record   Asset   Ass	G-05	RD Temp Construction Project Sign	Ea	3	\$883.85	\$2,651.55	\$750.00	\$2,250.00	\$750.00	\$2,250.00	\$750.00	\$2,250.00	\$857.30	\$2,571.90	\$1,000.00	\$3,000.00
Section   Performance   Section																
Proc. Sept. No. 1							. ,	. ,		. ,						. ,
Feb. Sept.   Feb		,		33800												
National Professor   1				2												
Find   Pale Support and Cuty Wile Representation   Face   1   \$3,47 of   \$3,000   \$3,000   \$3,000   \$3,000   \$3,000   \$3,400   \$3,440   \$3,440   \$3,000		, , , , , , , , , , , , , , , , , , , ,		_				. ,								
Fig. 20				1												
Section   School   Section   School				2000												
Section   Sect		,														
State   Stat		·														
Record   Compare   MacCompare		1 3						. ,								. ,
Rock   MOOT Command Methorse   Cliff Subbose   Str.   St																
Fig. 13   Forgraph Base			CYd		\$0.01			\$211,800.00								
Fig. 10   Aggregate Base	RD-13	6" Aggregate Base	SYd	1130		\$5,582.20	\$4.75								\$8.75	\$9,887.50
RD-16   Billuminicos Max, MDOT 13A		8" Aggregate Base	SYd	30000		\$150,300.00	\$6.25	\$187,500.00	\$5.30	\$159,000.00	\$8.00	\$240,000.00		\$279,000.00	\$9.75	\$292,500.00
RD-17   Blummone Mix, MOCT 36A   Ton   2000   \$72.46   \$188.44600   \$61.50   \$159,000.00   \$81.50   \$159,000.00   \$81.50   \$159,000.00   \$817.00   \$817.00   \$81.400.00   \$81.40   \$83.884.00   \$84.50		10" Aggregate Base	SYd					\$24,025.00		\$15,190.00						
RD-18 Blamminus Mix, MOOT 483		,	Ton					. ,								
RD-29   Blummoas Mr, MDOT LYSP		•	Ton			' '		. ,			'					. ,
RD-28   Stummous Mix MOOT 6E3   Ton   500   \$81.32   \$40.686.00   \$34.600.00   \$34.600.00   \$34.600.00   \$34.600.00   \$37.500.00   \$37.500.00   \$37.500.00   \$34.600.00   \$34.70   \$37.500.00   \$34.600.00   \$34.70   \$34.20   \$34.600.00   \$34.70   \$34.20   \$34.600.00   \$34.70   \$34.20   \$34.600.00   \$34.70		,														
RO-21   HMA Direvewy   Ton   310   \$49.28   \$29.286.8   \$60.00   \$44,600.00   \$42,400.00   \$82,10   \$47.00   \$40.00		,														
RD-22   HMA Valley Cutter		· · · · · · · · · · · · · · · · · · ·	_													
RD-34 Of Gravel Driveway Approach, MDOT 22A SYd 170 \$18.77 \$3,105.90 \$8.00 \$18,000.00 \$32.05 \$16,000.00 \$33.00 \$11,000.00 \$33.00 \$11,000.00 \$33.00 \$11,000.00 \$33.00 \$33.00 \$31,000.00 \$33.00 \$33.00 \$31,000.00 \$33.00 \$33.00 \$33.00 \$31,000.00 \$33.00 \$33.00 \$31,000.00 \$33.00 \$33.00 \$33.00 \$31,000.00 \$33.00 \$33.00 \$33.00 \$31,000.00 \$33.00 \$33.00 \$33.00 \$33.00 \$31,000.00 \$33.0		,						. ,								
RD-24   9th Normetinicaed Concrete Driveway   SYd   500   \$47.54   \$22,770.00   \$38.00   \$18,000.00   \$32.25   \$18,007.00   \$38.00   \$18,000.00   \$43.88   \$24.00   \$21,000.00   \$82.25   \$88.60   \$41.00   \$40.00				_												
RD-26   Freinforced Driveway   SYd   110   \$74.76   \$8.222.50   \$8.435.00   \$41.90   \$4.090.00   \$56.50   \$4.470   \$57.00   \$62.77.00   \$8.270.00   \$8																
RD-26 Concrete Curb and Gutter, MODT Det 82 LF1 370 \$29.75 \$11,007.50 \$23.00 \$8.510.00 \$22.25 \$83,000 \$35.510.00 \$20.00 \$7,474.00 \$22.00 \$8,140.00 \$1																. ,
RD-28 Concrete Cuth and Gutter, MIDOT Det C4 LPR 840 \$25.90 \$22.786.00 \$20.00 \$16.800.00 \$20.25 \$17.010.00 \$20.00 \$16.800.00 \$20.20 \$16.980.00 \$11.500 \$16.300.00 \$10.00 \$		,														
RD-28   Concrete Cuth and Gutter, MDOT Det F4   LF1   870   \$25.82   \$22,483.40   \$20.00   \$17,400.00   \$20.25   \$17,400.00   \$20.00   \$17,400.00   \$20.00   \$17,600.00   \$9.00   \$17,600.00   \$7,800.00   \$1,800.		,												. ,		
RD-29   6' Gravel Shoulder, MDOT 22A   S7d   520   \$8.71   \$4.529,20   \$5.00   \$2.600,00   \$13.60   \$7.072,00   \$7.00   \$3.640,00   \$9.80   \$5.006,00   \$15.00   \$7.800,00   \$																
RD-31 Spilway, Lonc SFI 45 \$10.24 \$440.90 \$5.00 \$225.00 \$376.60 \$3.442.50 \$5.00 \$225.00 \$83.90 \$3.775.50 \$17.00 \$765.00 \$RD-32 Full Restoration \$1.00 \$1.00 \$4.33 \$6.624.90 \$1.50 \$2.265.00 \$2.99 \$4.77.70 \$1.50 \$2.255.00 \$1.60 \$2.248.00 \$1.50 \$2.265.00 \$2.90 \$4.77.70 \$1.50 \$2.205.00 \$1.60 \$2.248.00 \$1.50 \$2.265.00 \$2.90 \$4.77.70 \$1.50 \$2.205.00 \$1.60 \$2.248.00 \$1.50 \$2.265.00 \$1.60 \$2.205.00 \$1.60 \$2.205.00 \$1.60 \$2.205.00 \$1.60 \$2.205.00 \$1.60 \$2.205.00 \$1.60 \$2.205.00 \$1.60 \$2.205.00 \$1.60 \$2.205.00 \$1.60 \$2.205.00 \$1.60 \$2.205.00 \$1.60 \$2.205.00 \$1.60 \$2.205.00 \$1.60 \$		,														
RD-31   Spillway, HMA																
RD-32 Turf Restoration SY'd 23000 \$4.34 \$99,820.00 \$5.25 \$120,750.00 \$5.05 \$116,150.00 \$5.00 \$149,500.00 \$5.30 \$121,900.00 \$4.00 \$20,000.00 \$1.000			SFt													
RD-34   Pavt Mrkg, Waterborne, 4 inch, While   LFt   1000   \$0.44   \$440.00   \$0.37   \$370.00   \$370.00   \$3	RD-32	Turf Restoration	SYd	23000	\$4.34	\$99,820.00	\$5.25	\$120,750.00	\$5.05	\$116,150.00	\$6.50	\$149,500.00	\$5.30	\$121,900.00	\$4.00	\$92,000.00
RD-35   Pavt Mrkg, Waterborne, 4 inch, Yellow   LFt   2600   \$0.44   \$1.144.00   \$0.37   \$982.00   \$0.37   \$982.00   \$0.37   \$982.00   \$0.40   \$1.040.00   \$0.37   \$982.00   \$0.40   \$1.040.00   \$0.37   \$982.00   \$0.40   \$1.040.00   \$0.37   \$982.00   \$0.40   \$1.040.00   \$0.37   \$982.00   \$0.40   \$1.040.00   \$0.37   \$982.00   \$0.40   \$1.040.00   \$0.37   \$982.00   \$0.40   \$1.040.00   \$0.37   \$982.00   \$0.40   \$1.040.00   \$0.37   \$982.00   \$0.40   \$1.040.00   \$0.37   \$982.00   \$1.050.	RD-33	Adjust Valve Box	Ea	5	\$371.60	\$1,858.00	\$115.00	\$575.00	\$311.90	\$1,559.50	\$200.00	\$1,000.00	\$171.50	\$857.50		
RD-36   Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym   Ea   1   \$218.01   \$218.01   \$185.00	RD-34	Pavt Mrkg, Waterborne, 4 inch, White	LFt	1000	\$0.44	\$440.00	\$0.37	\$370.00	\$0.37	\$370.00	\$0.37	\$370.00	\$0.40	\$400.00	\$0.37	\$370.00
RD-37   Pavt Mrkig, Ovly Cold Plastic, Rt rum Arrow Sym   Ea			LFt	2600												
RD-38   Part Mrkg, Ovly Cold Plastic, Thru Arrow Sym   Ea				1											·	-
Storn Sewer Items   Ea   5   \$361.60   \$1,808.00   \$375.00   \$339.00   \$1,950.00   \$257.00   \$1,250.00   \$117.00   \$585.00   \$300.00   \$1,500.00   \$1,000.00   \$				1				· ·			· ·	· ·		·		•
ST-01   Culv, Rem, Less than 24 inch   Ea   5   \$361.60   \$1,808.00   \$705.00   \$3,525.00   \$390.00   \$1,950.00   \$250.00   \$1,250.00   \$117.00   \$585.00   \$300.00   \$1,500.00   \$1.00.0	RD-38		Ea	1	\$218.01	\$218.01	\$185.00	\$185.00	\$185.00	\$185.00	\$185.00	\$185.00	\$201.50	\$201.50	\$185.00	\$185.00
Str-02   Storm Dr Structure, Rem   Ea   6   \$444.09   \$2,664.54   \$705.00   \$4,230.00   \$150.00   \$900.00   \$275.00   \$1,650.00   \$257.20   \$1,543.20   \$275.00   \$1,650.00   \$1.00	CT 04		F		<b>#</b> 004.00	¢4.000.00	<b>#705.00</b>	#0 F0F 00	<b>#</b> 200 00	M4 050 00	<b>#050.00</b>	<b>#4.050.00</b>	0447.00	<b>#</b> 505.00	Ф000 00	Ø4 500 00
ST-03   Storm Sewer, Rem, Less than 24 inch   Ft   764   \$18.93   \$14,462.52   \$23.50   \$17,954.00   \$7.70   \$5,882.80   \$8.50   \$6,494.00   \$11.70   \$8,938.80   \$8.00   \$6,112.00   \$1.900.00   \$1		- ,		5				. ,								. ,
ST-04         Storm Catchbasin, 48 inch dia         Ea         6         \$2,167.53         \$13,005.18         \$2,210.00         \$13,260.00         \$13,200.00         \$3,000.00         \$3,000.00         \$2,600.00         \$15,600.00           ST-05         Storm Manhole, 96 inch dia         Ea         1         \$7,004.77         \$7,004.77         \$10,860.00         \$5,895.00         \$6,300.00         \$6,300.00         \$7,610.00         \$9,800.00         \$9,800.00           ST-06         15" Storm Sewer         LFt         162         \$45.84         \$7,426.08         \$35.50         \$5,751.00         \$43.00         \$7,452.00         \$76.00         \$9,800.00         \$9,80			⊑a  ⊑+	764				. ,								. ,
ST-05         Storm Manhole, 96 inch dia         Ea         1         \$7,004.77         \$10,860.00         \$10,860.00         \$5,895.00         \$6,300.00         \$6,300.00         \$7,610.00         \$9,800.00           ST-06         15" Storm Sewer         LFt         162         \$45.84         \$7,426.08         \$35.50         \$5,751.00         \$48.30         \$7,824.60         \$46.00         \$7,452.00         \$79.70         \$12,911.40         \$49.00         \$7,938.00           ST-07         12" Storm Sewer         LFt         578         \$37.69         \$21,784.82         \$32.00         \$18,496.00         \$56.45         \$32,628.10         \$43.00         \$24,854.00         \$76.60         \$44,274.80         \$65.00         \$37,570.00           ST-08         18" Storm Sewer         LFt         108         \$42.92         \$4,635.36         \$38.50         \$44.45         \$4,800.60         \$50.00         \$5,400.00         \$56.40         \$50.00		, ,	Fa													
ST-06         15" Storm Sewer         LFt         162         \$45.84         \$7,426.08         \$35.50         \$5,751.00         \$48.30         \$7,824.60         \$46.00         \$7,452.00         \$79.70         \$12,911.40         \$49.00         \$7,938.00           ST-07         12" Storm Sewer         LFt         578         \$37.69         \$21,784.82         \$32.00         \$18,496.00         \$56.45         \$32,628.10         \$43.00         \$24,854.00         \$76.60         \$44,274.80         \$65.00         \$37,570.00           ST-08         18" Storm Sewer         LFt         108         \$42.92         \$4,635.36         \$38.50         \$4,158.00         \$44.45         \$4,800.60         \$50.00         \$5,400.00         \$83.50         \$5,940.00           ST-09         15" Culvert Pipe         LFt         341         \$36.60         \$12,480.60         \$27.50         \$9,377.50         \$19.85         \$6,768.55         \$46.00         \$15,686.00         \$28.10         \$9,582.10         \$36.00         \$12,276.00           ST-10         12" Culvert Pipe         LFt         341         \$35.34         \$12,050.94         \$26.75         \$9,121.75         \$17.50         \$43.00         \$14,663.00         \$28.10         \$9,582.10         \$36.00         \$11,275.00		,		1				. ,			, ,	' '			. ,	. ,
ST-07         12" Storm Sewer         LFt         578         \$37.69         \$21,784.82         \$32.00         \$18,496.00         \$56.45         \$32,628.10         \$43.00         \$24,854.00         \$76.60         \$44,274.80         \$65.00         \$37,570.00           ST-08         18" Storm Sewer         LFt         108         \$42.92         \$4,635.36         \$38.50         \$44.45         \$4,800.60         \$50.00         \$5,400.00         \$83.50         \$9,018.00         \$55.00         \$5,940.00           ST-09         15" Culvert Pipe         LFt         341         \$36.60         \$12,480.60         \$27.50         \$9,377.50         \$19.85         \$6,768.85         \$46.00         \$15,686.00         \$28.10         \$9,582.10         \$36.00         \$12,276.00           ST-10         12" Culvert Pipe         LFt         341         \$35.34         \$12,050.94         \$26.75         \$9,121.75         \$17.50         \$5,967.50         \$43.00         \$26.80         \$9,138.80         \$33.00         \$11,253.00           ST-11         Culv End Sect, 15 inch         Ea         6         \$523.41         \$3,140.46         \$220.00         \$1,320.00         \$475.00         \$475.00         \$57.70         \$346.20         \$625.00         \$3,750.00		•		162							. ,				. ,	. ,
ST-08         18" Storm Sewer         LFt         108         \$42.92         \$4,635.36         \$38.50         \$4,158.00         \$50.00         \$5,400.00         \$55.00         \$5,940.00           ST-09         15" Culvert Pipe         LFt         341         \$36.60         \$12,480.60         \$27.50         \$9,377.50         \$19.85         \$6,768.85         \$46.00         \$15,686.00         \$28.10         \$9,582.10         \$36.00         \$12,276.00           ST-10         12" Culvert Pipe         LFt         341         \$35.34         \$12,050.94         \$26.75         \$9,121.75         \$17.50         \$5,967.50         \$43.00         \$14,663.00         \$9,138.80         \$33.00         \$11,253.00           ST-11         Culv End Sect, 15 inch         Ea         6         \$523.41         \$3,140.46         \$220.00         \$1,320.00         \$1,50.00         \$475.00         \$2,850.00         \$57.70         \$346.20         \$625.00         \$3,750.00           ST-12         Culv End Sect, 12 inch         Ea         2         \$510.29         \$1,020.58         \$204.00         \$408.00         \$10.00         \$450.00         \$43.00         \$43.00         \$87.80         \$600.00         \$1,200.00           ST-13         Adjust Storm MH Casting         Ea																
ST-09         15" Culvert Pipe         LFt         341         \$36.60         \$12,480.60         \$27.50         \$9,377.50         \$19.85         \$6,768.85         \$46.00         \$15,686.00         \$28.10         \$9,582.10         \$36.00         \$12,276.00           ST-10         12" Culvert Pipe         LFt         341         \$35.34         \$12,050.94         \$26.75         \$9,121.75         \$17.50         \$5,967.50         \$43.00         \$14,663.00         \$9,138.80         \$33.00         \$11,253.00           ST-11         Culv End Sect, 15 inch         Ea         6         \$523.41         \$3,140.46         \$220.00         \$1,320.00         \$17,500         \$2,850.00         \$57.70         \$346.20         \$625.00         \$3,750.00           ST-12         Culv End Sect, 12 inch         Ea         2         \$510.29         \$1,020.58         \$204.00         \$408.00         \$105.00         \$400.00         \$43.90         \$87.80         \$600.00         \$1,200.00           ST-13         Adjust Storm MH Casting         Ea         2         \$933.72         \$1,867.44         \$225.00         \$450.00         \$406.80         \$1,300.00         \$426.40         \$852.80         \$1,200.00																
ST-10         12" Culvert Pipe         LFt         341         \$35.34         \$12,050.94         \$26.75         \$9,121.75         \$17.50         \$5,967.50         \$43.00         \$14,663.00         \$26.80         \$9,138.80         \$33.00         \$11,253.00           ST-11         Culv End Sect, 15 inch         Ea         6         \$523.41         \$3,140.46         \$220.00         \$1,320.00         \$17.50         \$2,850.00         \$57.70         \$346.20         \$625.00         \$3,750.00           ST-12         Culv End Sect, 12 inch         Ea         2         \$510.29         \$1,020.58         \$204.00         \$408.00         \$10.50         \$450.00         \$900.00         \$43.90         \$87.80         \$600.00         \$1,200.00           ST-13         Adjust Storm MH Casting         Ea         2         \$933.72         \$1,867.44         \$225.00         \$450.00         \$406.80         \$1,300.00         \$426.40         \$852.80         \$1,200.00	ST-09	-														
ST-11         Culv End Sect, 15 inch         Ea         6         \$523.41         \$3,140.46         \$220.00         \$1,320.00         \$475.00         \$2,850.00         \$57.70         \$346.20         \$625.00         \$3,750.00           ST-12         Culv End Sect, 12 inch         Ea         2         \$510.29         \$1,020.58         \$204.00         \$408.00         \$105.00         \$408.00         \$900.00         \$43.90         \$87.80         \$600.00         \$1,200.00           ST-13         Adjust Storm MH Casting         Ea         2         \$933.72         \$1,867.44         \$225.00         \$450.00         \$1,300.00         \$426.40         \$852.80         \$1,200.00	ST-10	· ·	_					. ,				. ,				. ,
ST-12         Culv End Sect, 12 inch         Ea         2         \$510.29         \$1,020.58         \$204.00         \$408.00         \$105.00         \$408.00	ST-11															
ST-13 Adjust Storm MH Casting Ea 2 \$933.72 \$1,867.44 \$225.00 \$450.00 \$406.80 \$813.60 \$650.00 \$1,300.00 \$426.40 \$852.80 \$1,200.00	ST-12			2			\$204.00			\$210.00	\$450.00	\$900.00			\$600.00	\$1,200.00
ST-14 Video Tape Storm Sewer LFt 848 \$0.97 \$822.56 \$1,060.00 \$0.82 \$695.36 \$0.82 \$695.36 \$4.90 \$4,155.20 \$0.82 \$695.36	ST-13	·	Ea	2												\$2,400.00
	ST-14	Video Tape Storm Sewer	LFt	848	\$0.97	\$822.56	\$1.25	\$1,060.00	\$0.82	\$695.36	\$0.82	\$695.36	\$4.90	\$4,155.20	\$0.82	\$695.36



	Sanitary Sewer Items														
SA-01	8" Sanitary Sewer, 0'-12' Deep, SDR-35	LFt	4082	\$34.57	\$141.114.74	\$50.00	\$204.100.00	\$128.70	\$525,353.40	\$63.00	\$257,166.00	\$76.80	\$313,497.60	\$87.00	\$355,134.00
SA-02	8" Sanitary Sewer, 12'-18' Deep, SDR-35	I Ft	3529	\$58.71	\$207.187.59	\$62.00	\$218,798.00	\$250.10	\$882.602.90	\$93.00	\$328,197.00	\$111.90	\$394.895.10	\$90.00	\$317.610.00
SA-03	8" Sanitary Sewer, Over 18' Deep, SDR-26	LFt	978	\$98.57	\$96,401.46	\$106.00	\$103,668.00	\$292.00	\$285,576.00	\$194.00	\$189,732.00	\$165.50	\$161,859.00	\$135.00	\$132,030.00
SA-04	18" steel casing, Bored and Jacked	LFt	168	\$602.41	\$101.204.88	\$608.00	\$102.144.00	\$302.50	\$50.820.00	\$520.00	\$87.360.00	\$350.10	\$58.816.80	\$625.00	\$105.000.00
SA-05	8" Sanitary Sewer, M-43, 0'-12' Deep, SDR-26	LFt	1700	\$52.93	\$89.981.00	\$73.00	\$102,144.00	\$145.40	\$247.180.00	\$63.00	\$107.100.00	\$84.80	\$144.160.00	\$133.00	\$226,100.00
SA-06	8" Sanitary Sewer, M-43, 12'-18', Deep, SDR-26	LFt	793	\$66.28	\$52.560.04	\$156.00	\$123,708.00	\$209.20	\$165,895.60	\$93.00	\$73,749.00	\$122.10	\$96.825.30	\$150.00	\$118.950.00
SA-07	8" Sanitary Sewer, M-43, Over 18', Deep, SDR-26	LFt	306	\$109.99	\$33.656.94	\$182.00	\$55.692.00	\$245.70	\$75.184.20	\$194.00	\$59.364.00	\$212.00	\$64.872.00	\$195.00	\$59.670.00
SA-07	Exploratory Investigation, Vertical	CYd	200	\$46.37	\$9.274.00	\$20.00	\$4.000.00	\$36.85	\$7.370.00	\$25.00	\$5,000.00	\$45.20	\$9.040.00	\$40.00	\$8.000.00
SA-09	Sanitary Sewer/Water Conflict	LFt	340	\$163.65	\$55.641.00	\$88.00	\$29.920.00	\$0.01	\$3.40	\$0.01	\$3,000.00	\$173.90	\$59,126.00	\$110.00	\$37.400.00
SA-10	Manhole Outside Drop	Ea	7	\$3,130.06	\$21,910.42	\$3,520.00	\$24,640.00	\$878.40	\$6,148.80	\$500.00	\$3,500.00	\$564.40	\$3,950.80	\$1,400.00	\$9,800.00
SA-10	Video Tape Sanitary Sewer	LFt	11388	\$0.97	\$11.046.36	\$0.75	\$8.541.00	\$0.82	\$9.338.16	\$0.82	\$9.338.16	\$2.20	\$25.053.60	\$1,400.00	\$11.388.00
SA-11	6" PVC Sanitary Sewer Lateral	LFt	4430	\$15.18	\$67,247.40	\$40.00	\$177,200.00	\$40.10	\$177,643.00	\$59.00	\$261,370.00	\$50.00	\$23,033.00	\$62.00	\$274,660.00
SA-12	8" x 6" Wye	Ea	134	\$259.93	\$34.830.62	\$535.00	\$71,690.00	\$153.30	\$20,542.20	\$160.00	\$201,370.00	\$99.30	\$13,306.20	\$775.00	\$103,850.00
SA-14	6" PVC Property Riser	Fa	134	\$825.91	\$110.671.94	\$650.00	\$87.100.00	\$310.00	\$41.540.00	\$350.00	\$46,900.00	\$136.60	\$18,304.40	\$400.00	\$53.600.00
SA-14 SA-15	Sanitary Manhole, 48 inch dia	Ea	52	\$4.926.22	\$256,163.44	\$5,285.00	\$274.820.00	\$3.742.00	\$194,584.00	\$3,100.00	\$161,200.00	\$4,560.00	\$237,120.00	\$3,100.00	\$161,200.00
SA-15	Sanitary Manhole, 46 Inch dia Manhole, Add Depth of 48 inch dia, more than	1LFt	175	\$30.24	\$5,292.00	\$180.00	\$31,500.00	\$0.01	\$194,364.00	\$50.00	\$8,750.00	\$93.60	\$16,380.00	\$200.00	\$35,000.00
SA-10	7th Street Lift Station	LSum	173	\$338.208.18	\$338.208.18	\$220.000.00	\$220.000.00	\$211.090.00	\$211.090.00	\$300.000	\$300.000.00	\$352,920.00	\$352,920.00	\$305.000.00	\$305,000.00
SA-17 SA-18	Skyridge Lift Station	LSum	1 1	\$314.113.06	\$314.113.06	\$200,000.00	\$200,000.00	\$210,360.00	\$210.360.00	\$300,000.00	\$300,000.00	\$352,780.00	\$352,920.00	\$360.000.00	\$360.000.00
SA-18	Utility Service Connection	ALLOW	1	\$5.000.00	\$5.000.00	\$5,000.00	\$5.000.00	\$5,000.00	\$5.000.00	\$5.000.00	\$5.000.00	\$5,000.00	\$5.000.00	\$5.000.00	\$5.000.00
SA-19 SA-20	Supply Utility Service	ALLOW	1	\$85,000.00	\$5,000.00	\$85,000.00	\$85,000.00	\$85,000.00	\$5,000.00	\$85,000.00	\$85,000.00	\$85,000.00	\$85,000.00	\$5,000.00	\$85,000.00
SA-21	3" HDPE. SDR 11 Force Main	LFt	2040	\$7.94	\$16.197.60	\$18.00	\$36,720.00	\$26.40	\$53.856.00	\$4.50	\$9.180.00	\$39.70	\$80.988.00	\$30.00	\$63,000.00
SA-21	3" x 45° Bend. FM	Ea	2040 9	\$556.80	\$5.011.20	\$180.00	\$1.620.00	\$12.70	\$114.30	\$400.00	\$3.600.00	\$111.60	\$1.004.40	\$950.00	\$8,550.00
SA-23	Force main Cleanout	Ea	5	\$2,966.78	\$14,833.90	\$2,600.00	\$1,020.00	\$1,186.00	\$5,930.00	\$1,200.00	\$6,000.00	\$4,300.00	\$21,500.00	\$2,750.00	\$13,750.00
SA-24	3" Structure Tap	⊑a  Ea	1	\$672.55	\$672.55	\$2,000.00	\$13,000.00	\$437.10	\$437.10	\$400.00	\$400.00	\$342.90	\$342.90	\$1,350.00	\$1,350.00
SA-25	Force Main Direction Drilling	LSum	1 1	\$35,353.94	\$35.353.94	\$15,000.00	\$15,000.00	\$25,200.00	\$25.200.00	\$30.000.00	\$30,000.00	\$1,090.00	\$1,090.00	\$48,000.00	\$48,000.00
SA-25 SA-26	Pavt,Rem, Deep Sewer	SYd	300	\$18.17	\$5,451.00	\$15,000.00	\$2.850.00	\$25,200.00	\$25,200.00	\$30,000.00	\$50,000.00 \$525.00	\$1,090.00	\$1,090.00	\$8.00	\$2.400.00
SA-27	HMA Driveway, Deep Sewer	Ton	300	\$94.28	\$28,284.00	\$80.00	\$24,000.00	\$83.75	\$25,125.00	\$80.00	\$24,000.00	\$87.10	\$26,130.00	\$80.00	\$2,400.00
SA-28	Curb and Gutter. Rem. Deep Sewer	LFt	1903	\$11.17	\$20,264.00	\$11.50	\$21.884.50	\$2.85	\$5,423.55	\$5.00	\$9.515.00	\$5.20	\$9.895.60	\$4.25	\$8.087.75
SA-28	Curb and Gutter, MDOT Det F4, Deep Sewer	LFt	1903	\$26.26	\$49,894.00	\$20.00	\$38,000.00	\$20.25	\$38,475.00	\$20.00	\$38,000.00	\$20.20	\$38,380.00	\$4.25 \$20.00	\$38,000.00
5A-29		LFI	1900	\$20.20	\$49,694.00	\$20.00	\$30,000.00	\$20.25	\$30,475.00	\$20.00	\$30,000.00	\$20.20	\$30,30U.UU	\$20.00	\$36,000.00
WA-1	NON-USDA Eligible Items/Water Main Items Water Main, DI, 12 inch. Tr Det F	LFt	1200	\$91.31	\$109.572.00	\$52.00	\$62,400.00	\$100.60	\$120,720.00	\$67.00	\$80,400,00	\$99.90	\$119.880.00	\$95.00	\$114.000.00
WA-2	Fire Hydrant	Ea	1200	\$6.287.07	\$25.148.28	\$4,950.00	\$19.800.00	\$5.137.00	\$20.548.00	\$5.500.00	\$22.000.00	\$5.300.00	\$21,200.00	\$5.600.00	\$22.400.00
WA-3	12" Butterfly Valve	Ea	3	\$2.485.85	\$7,457.55	\$2,850.00	\$8,550.00	\$4,614.00	\$13,842.00	\$3,500.00	\$10,500.00	\$2.830.00	\$8.490.00	\$3,200.00	\$9,600.00
WA-4	12"x12"x"12" Tee	Ea	3	\$961.87	\$961.87	\$2,650.00	\$1,165.00	\$1,301.00	\$1,301.00	\$1,000.00	\$10,500.00	\$634.90	\$634.90	\$1,250.00	\$9,600.00
WA-5	12"x6" Reducer	⊑a  Fa	1	\$399.74	\$399.74	\$1,165.00	\$1,165.00	\$1,301.00	\$1,301.00	\$475.00	\$1,000.00	\$369.40	\$369.40	\$1,250.00	\$650.00
WA-6	2" Blow Off	⊑a  Ea	1 1	\$514.66	\$514.66	\$790.00	\$790.00	\$830.00	\$830.00	\$1,500.00	\$1,500.00	\$632.50	\$632.50	\$1,600.00	\$1,600.00
WA-6	-		1	\$615.84	\$2,463.36	\$790.00 \$705.00	\$2.820.00	\$554.00	\$2,216.00	\$1,500.00	\$1,500.00	\$571.40	\$2,285.60	\$1,600.00	\$1,600.00
WA-8	12" x 45° Bend, WM	Ea	4	\$527.15	\$527.15		\$2,620.00		\$5,235.00	\$1.700.00	\$2,600.00		\$2,265.60	\$3.500.00	+ - ,
WA-8 WA-9	12" Water Main Connection	Ea	70	*	\$2.984.40	\$2,500.00 \$26.75	, ,	\$5,235.00	\$5,235.00	, ,	, ,	\$3,870.00 \$26.80	4 - 7	4 - 7	\$3,500.00
	12" Culvert Pipe for Water Main Construction	LFt	72	\$41.45	+ ,	,	\$1,926.00	\$21.75	, ,	\$33.00	\$2,376.00		\$1,929.60	\$33.00	\$2,376.00
WA-10	Culv End Sect, 12 inch for Water Main Construction	Ea	4	\$291.15	\$1,164.60	\$250.00	\$1,000.00	\$245.40	\$981.60	\$450.00	\$1,800.00	\$43.90	\$175.60	\$600.00	\$2,400.00
			Totals		\$4,395,422.59		\$4,442,796.25		\$5,160,508.32		\$5,285,136.92		\$5,440,571.20		\$5,678,549.61

## OSHTEMO TOWNSHIP

## Neighborhood Sanitary Sewer Extension Phase 1, Contract B

## BID TABULATION

Friday, February 28, 2020 Matthew Johnson Date PM Project No. 833250



Item No.	ltem					Kamminga & Roodvoets, Inc.			Sons, Inc.	Hoffman	. 2.00.	Balkkema Excavating, Inc.	
	Description	Unit	Estimated	Unit Drice	A	Unit Drice	Amazont	Unit Price	A	Unit Price	A a	Unit Price	A
C C	Description General Items	Unit	Quantity	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
	General Conditions, Bonds and Insurances, Max. 5%	LS	1	\$ 155,670.00 \$	155 670 00	\$ 230,000.00 \$	230,000,00	\$ 190,000.00 \$	190.000.00	\$ 215,000.00 \$	215 000 00	\$ 202,000.00	\$ 202.000.00
	Traffic Control	LS	1	\$ 114,740.00 \$		\$ 110,350.00 \$		\$ 300,000.00 \$	300,000.00			\$ 100,000.00	
	Above Ground Video Survey	LS	1	\$ 6,530.00 \$	6,530.00		5,500.00	\$ 4,125.00 \$	4,125.00				
	Soil Erosion and Sedimentation Control	LS	1	\$ 8,970.00 \$	8,970.00			\$ 25,000.00 \$	25,000.00	\$ 67,620.00 \$			
	RD Temp Construction Project Sign	Ea	6	\$ 815.70 \$	4,894.20		6,000.00	\$ 750.00 \$	4,500.00				
	Roadway Items	La	U	φ 013.70 φ	4,094.20	\$ 1,000.00 \$	0,000.00	φ 130.00 φ	4,300.00	ψ 750.00 ψ	4,300.00	ψ 730.00	4,500.00
	Pavt, Rem	Syd	35,000	\$ 2.30 \$	80,500.00	\$ 5.32 \$	186,200.00	\$ 1.75 \$	61,250.00	\$ 1.60 \$	56,000.00	\$ 3.10	\$ 108,500.00
	Cold Milling HMA Surface	SYd	3,600	\$ 4.50 \$	16,200.00		7,200.00	\$ 2.30 \$	8,280.00				
	Mailbox Posts	Ea	170	\$ 116.90 \$	19,873.00		34,000.00	\$ 75.00 \$	12,750.00				\$ 26,350.00
	Curb and Gutter, Rem	LFt	3,400	\$ 3.40 \$	11,560.00		34.00	\$ 1.00 \$	3,400.00				
RD-05 R	Rem & Salvage Sign	Ea	3	\$ 190.30 \$	570.90		270.00	\$ 175.00 \$	525.00		525.00	\$ 175.00	
	Machine Grading	Sta	121	\$ 2,370.00 \$	286,770.00	\$ 4,650.00 \$	562,650.00	\$ 5,000.00 \$	605,000.00	\$ 7,330.00 \$	886,930.00		
RD-07 S	Subgrade Undercutting, Type I	CYd	500	\$ 16.60 \$	8,300.00	\$ 19.00 \$	9,500.00	\$ 12.00 \$	6,000.00	\$ 0.01 \$	5.00	\$ 25.50	\$ 12,750.00
RD-08 G	Granular Material, Cl III, Subbase	CYd	23,000	\$ 11.50 \$	264,500.00	\$ 12.50 \$	287,500.00	\$ 10.00 \$	230,000.00	\$ 0.01 \$	230.00	\$ 0.01	\$ 230.00
RD-09 8'	B" Aggregate Base	SYd	34,000	\$ 9.10 \$	309,400.00		323,000.00	\$ 11.00 \$	374,000.00				
RD-10 B	Bituminous Mix, MDOT 13A	Ton	4,700	\$ 71.80 \$	337,460.00		310,200.00	\$ 66.00 \$	310,200.00	\$ 66.00 \$	310,200.00		
	Bituminous Mix, MDOT 36A	Ton	3,900	\$ 72.90 \$	284,310.00		261,300.00	\$ 67.00 \$	261,300.00	\$ 67.00 \$			
RD-12 B	Bituminous Mix, MDOT 13A, Stadium Drive	Ton	110	\$ 136.00 \$	14,960.00	\$ 125.00 \$	13,750.00		13,750.00	\$ 125.00 \$	13,750.00	\$ 125.00	\$ 13,750.00
	HMA Driveway	Ton	400	\$ 136.00 \$	54,400.00		50,000.00	\$ 125.00 \$	50,000.00			\$ 125.00	
	HMA Valley Gutter	LFt	2,410	\$ 8.70 \$	20,967.00	\$ 8.00 \$	19,280.00	\$ 8.00 \$	19,280.00	\$ 8.00 \$	19,280.00	\$ 8.00	\$ 19,280.00
	6" Gravel Driveway Approach, MDOT 22A	SYd	160	\$ 9.70 \$	1,552.00		1,760.00		1,600.00				
	6" Nonreinforced Concrete Driveway	SYd	170	\$ 45.00 \$	7,650.00		7,310.00		6,460.00				
	Concrete Curb and Gutter, MDOT Det B2	LFt	120	\$ 30.80 \$	3,696.00		3,120.00		3,120.00				
	Concrete Curb and Gutter, MDOT Det F4	LFt	3,400	\$ 16.60 \$	56,440.00		47,600.00	7 - 7	47,600.00			*	,
	6" Gravel Shoulder, MDOT 22A	SYd	3,000	\$ 9.70 \$	29,100.00		30,000.00		22,500.00				
	Spillway, HMA	SFt	4,000	\$ 6.50 \$	26,000.00		27,600.00	, , , ,	24,000.00				
	Turf Restoration	SYd	6,000	\$ 6.80 \$	40,800.00		48,000.00	\$ 8.00 \$	48,000.00				
	Adjust Valve Box	Ea	4	\$ 171.20 \$	684.80	, ,	1,400.00	\$ 200.00 \$	800.00				
	Pavt Mrkg, Thermopl, 4 inch, White	LFt	80	\$ 9.80 \$	784.00		720.00	\$ 9.00 \$	720.00				
	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	LFt	76	\$ 10.90 \$	828.40		760.00		760.00				
	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Stop Bar	LFt	17	\$ 20.70 \$	351.90		323.00	\$ 19.00 \$	323.00			\$ 19.00	
	Replace Salvaged Sign	Ea	2	\$ 217.50 \$	435.00	\$ 210.00 \$	420.00	\$ 200.00 \$	400.00	\$ 200.00 \$	400.00	\$ 200.00	\$ 400.00
	Storm Sewer Items		4.0	<u> </u>	0.500.00	075.00	0.750.00	<b>A</b> 050 00 <b>A</b>	0.500.00	A 101 10 A	4.044.00	705.00	<b>A 7</b> 050 00
	Storm Dr Structure, Rem	Ea	10	\$ 256.90 \$	2,569.00		2,750.00	\$ 250.00 \$	2,500.00				
	Storm Sewer, Rem, Less than 24 inch	LFt	1,544	\$ 10.30 \$	15,903.20		15,440.00		7,720.00				
	Storm Sewer, Rem, 24 inch to 48 inch	LFt	188	\$ 17.10 \$	3,214.80		2,820.00	\$ 10.00 \$	1,880.00	\$ 11.30 \$			
	12" Storm Sewer	LFt	1,534	\$ 76.50 \$	117,351.00		99,710.00		44,486.00	\$ 40.40 \$			
	12" Storm Sewer, C76- Class III 24" Storm Sewer	LFt LFt	78 50	\$ 76.50 \$ \$ 92.70 \$	5,967.00 4,635.00		5,694.00 5,000.00		2,262.00 2,250.00	\$ 46.80 \$ 74.10 \$			
	36" Storm Sewer	LFt	188	\$ 128.90 \$	24,233.20		22,560.00		10,904.00	\$ 109.80 \$			
	Storm Sewer Storm Catchbasin, 48 inch dia	Ea	188	\$ 2,990.00 \$	11,960.00		10,000.00		9,200.00	\$ 1,750.00 \$			
			6	\$ 3,140.00 \$					18,000.00				
	Storm Leachbasin, 48 inch dia	Ea	4	\$ 3,140.00 \$	18,840.00 1,703.60		21,000.00 3,520.00		3,800.00			\$ 6,000.00	
	Adjust Storm MH Casting	Ea LFt	1,772		8,682.80				1,453.04			•	
ST-11 V	Video Tape Storm Sewer	JLFI	1,//2	\$ 4.90   \$	0,002.80	\$ 2.50  \$	4,430.00	\$ 0.82   \$	1,453.04	φ 0.82   \$	1,453.04	ψ 1.25 <u></u>	Φ Ζ,Ζ15.00

## OSHTEMO TOWNSHIP

## Neighborhood Sanitary Sewer Extension Phase 1, Contract B

### **BID TABULATION**

Friday, February 28, 2020 Matthew Johnson Date PM

Project No. 833250



			ſ	Duniga	n Bros., Inc.	Kamminga & R	oodvoets, Inc.	Milbocker	* & Sons, Inc.	Hoffman	Bros.	Balkkema E	Excavating, Inc.
Item	Item		Estimated										
No.	Description	Unit	Quantity	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
	Sanitary Sewer Items												
SA-01	Sanitary Sewer, Rem, Less than 24 inch	LFt	20	\$ 17.10	\$ 342.00		400.00	\$ 10.00 \$	200.00	\$ 16.35 \$	327.00	\$ 24.50	\$ 490.00
SA-02	8" Sanitary Sewer, 0'-12' Deep, SDR-35	LFt	5,061	\$ 56.30			389,697.00	\$ 60.00 \$	303,660.00	\$ 56.35 \$	285,187.35		
SA-03	8" Sanitary Sewer, 12'-18' Deep, SDR-35	LFt	3,528	\$ 76.30	\$ 269,186.40	\$ 90.00 \$	317,520.00	\$ 90.00 \$	317,520.00	\$ 120.60 \$	425,476.80	\$ 107.50	\$ 379,260.00
SA-04	8" Sanitary Sewer, Over 18' Deep, SDR-26	LFt	606	\$ 118.40			70,296.00	\$ 100.00 \$	60,600.00	\$ 200.70 \$			
SA-05	10" Sanitary Sewer, 0'-12' Deep, SDR-35	LFt	2,169	\$ 58.30			173,520.00	\$ 75.00 \$			149,227.20		
SA-06	10" Sanitary Sewer, 12'-18' Deep, SDR-35	LFt	762	\$ 78.30			72,390.00	\$ 95.00 \$	72,390.00	\$ 180.40 \$	137,464.80		
SA-07	Exploratory Investigation, Vertical	CYd	200	\$ 34.30			8,000.00			\$ 41.05 \$	8,210.00	\$ 25.00	
SA-08	Sanitary Sewer/Water Main Conflict/ Replacement	LFt	500	\$ 155.10	\$ 77,550.00	\$ 150.00 \$	75,000.00	\$ 0.01 \$	5.00	\$ 0.01 \$	5.00	\$ 115.00	
SA-09	Video Tape Sanitary Sewer	LFt	12,126	\$ 1.80			12,126.00	\$ 0.82 \$	9,943.32			\$ 0.75	*
SA-10	Connect to Existing Sanitary Sewer	Ea	2	\$ 513.70	\$ 1,027.40		1,000.00			\$ 284.50 \$	569.00	\$ 6,650.00	
SA-11	Sanitary Manhole, 48 inch dia	Ea	51	\$ 4,190.00			163,200.00	\$ 2,900.00 \$			211,395.00		
SA-12	Sanitary Manhole, Add Depth of 48 inch dia, more than 12 foot	LFt	70	\$ 62.50		\$ 200.00 \$	14,000.00			\$ 0.01 \$	0.70	\$ 180.00	
SA-13	Manhole Outside Drop	Ea	1	\$ 1,060.00		\$ 1,400.00 \$	1,400.00	\$ 500.00 \$	500.00	\$ 711.10 \$	711.10	\$ 3,520.00	
SA-14	8" Sanitary Manhole Tap	Ea	1	\$ 1,070.00	\$ 1,070.00	\$ 1,000.00 \$	1,000.00	\$ 6,000.00 \$	6,000.00	\$ 752.20 \$	752.20	\$ 1,650.00	
SA-15	10" Sanitary Manhole Tap	Ea	1	\$ 1,070.00	\$ 1,070.00	\$ 1,200.00 \$	1,200.00	\$ 6,500.00 \$	6,500.00	\$ 858.90 \$	858.90	\$ 1,700.00	
SA-16	6" PVC Sanitary Sewer Lateral	LFt	5,610	\$ 49.80			364,650.00			\$ 38.90 \$	218,229.00		
SA-17	6" PVC Property Riser	Ea	170	\$ 154.10	\$ 26,197.00	\$ 400.00 \$	68,000.00	\$ 300.00 \$	51,000.00	\$ 394.30 \$			\$ 164,050.00
SA-18	8" x 6" Wye	LFt	156	\$ 140.90		\$ 500.00 \$	78,000.00	\$ 150.00 \$	23,400.00		13,072.80		
SA-19	10" x 6" Wye	LFt	14	\$ 149.60			8,400.00				2,342.20	\$ 1,025.00	
SA-20	2" XPS Foam Board Insulation	SFt	1,560	\$ 2.40			3,510.00				3,276.00		
SA-21	Pavt,Rem, Deep Sewer	SYd	620	\$ 3.40	\$ 2,108.00	\$ 4.00 \$	2,480.00	\$ 1.75 \$	1,085.00	\$ 7.40 \$	4,588.00	\$ 9.50	
SA-22	HMA Driveway for Deep Sewer	Ton	100	\$ 136.00	\$ 13,600.00	\$ 125.00 \$	12,500.00	\$ 125.00 \$	12,500.00	\$ 128.70 \$	12,870.00		
SA-23	6" Nonreinforced Concrete Driveway, Deep Sewer	SYd	100	\$ 45.00	\$ 4,500.00	\$ 45.00 \$	4,500.00	\$ 38.00 \$	3,800.00	\$ 42.35 \$	4,235.00	\$ 38.25	\$ 3,825.00
SA-24	Curb and Gutter, Rem, Deep Sewer	LFt	50	\$ 6.90		\$ 5.00 \$	250.00	\$ 1.00 \$	50.00	\$ 8.00 \$	400.00	\$ 10.50	
SA-25	Curb and Gutter, MDOT Det F4, Deep Sewer	LFt	50	\$ 28.40	\$ 1,420.00	\$ 20.00 \$	1,000.00	\$ 24.00 \$	1,200.00	\$ 25.75 \$	1,287.50	\$ 25.00	\$ 1,250.00
	Sidewalk Items												
SI-1	6" Concrete Sidewalk, Non-USDA Eligible	SFt	500	\$ 4.70	\$ 2,350.00	\$ 5.50 \$	2,750.00	\$ 3.95 \$	1,975.00	\$ 5.05 \$	2,525.00	\$ 4.25	
SI-2	6" Concrete Sidewalk Ramp, Non-USDA Eligible	SFt	400	\$ 5.80			2,800.00				2,400.00	*	
SI-3	4" Concrete Sidewalk	SFt	1850	\$ 3.50		\$ 4.00 \$	7,400.00	\$ 2.95 \$	5,457.50	\$ 4.05 \$	7,492.50	\$ 3.65	
SI-4	Detectable Warning Surface	LFt	25	\$ 47.30	\$ 1,182.50	\$ 42.00 \$	1,050.00	\$ 40.00 \$	1,000.00	\$ 40.00 \$	1,000.00	\$ 80.00	\$ 2,000.00
			Totals		\$ 3,892,510.70	\$	4,649,710.00	\$	4,200,318.86	\$	4,374,685.71		\$ 4,249,803.00

#### ATTORNEY/CLIENT PRIVILEGE

#### **MEMORANDUM**

To: Oshtemo Charter Township Board

FROM: James. W. Porter

DATE: February 28, 2020

SUBJECT: Hardship Financing or Deferment Ordinance

Attached hereto you will find a revised hardship financing or deferment ordinance with no provision for abatement. This ordinance only provides hardship financing or annual deferments for those individuals who meet certain income and asset limitations.

I know there has been quite a bit of discussion about having people enter into an installment purchase agreement but not connect to the system for an extended period of time. Please be aware the much of the funding for this project is through the debt service fee, and if a person is not hooked up to sanitary sewer and not receiving sanitary sewer services, they will not be paying their quarterly sewer fees and, therefore, will not be contributing toward the debt service fee. If I understand Marc Elliot's analysis, the Township is counting on \$17 million to be raised through that debt service fee in order to pay for the USDA bonds. Therefore, if you are going to move ahead with Phase I and Phase II, giving people long-term extensions for hooking up is likely not a viable solution. This would have a negative impact upon debt financing.

JWP/y att

	Owner-	-Occupied									
Subject	Estimate	Cummulative Percentage	New Houesholds to be Connected (900)	Sewe	of Private or Expense 66,000)	Mandate USDA/State Plans	Cost of Deferment \$550/Yr	1.00	landate DA/State Plan	Ab	Cost of patement 5550/Yr
Occupied housing units	5,267		1 17 1 1	P.E.							
HOUSEHOLD INCOME 2010		P []					1				
Less than \$5,000	0.8	0.8	7.2	\$	43,200	\$ -	\$ 3,960	\$	2,-	\$	3,960
\$5,000 to \$9,999	2.1	2.9	26	\$	156,000	\$ -	\$ 14,300	\$		\$	14,300
\$10,000 to \$14,999	2.7	5.6	50	\$	300,000	\$ -	\$ 27,500	\$	- 2,-	\$	27,500
\$15,000 to \$19,999	3.1	8.7	78	\$	468,000	\$ -	\$ 42,900	\$	-	\$	42,900
\$20,000 to \$24,999	3.3	12.0	108	\$	648,000	\$ 180,000	\$ 59,400	\$	16,500	\$	59,400
\$25,000 to \$34,999	7.8	19.8	178	\$	1,068,000	\$ 600,000	\$ 97,900	\$	55,000	\$	97,900
\$35,000 to \$49,999	13.8	33.6	302	\$	1,812,000	\$ 1,344,000	\$ 166,100	\$	123,200	\$	166,100
\$50,000 to \$74,999	20.7	54.3	488	\$	2,928,000	\$ 2,460,000	\$ 268,400	\$	225,500	\$	268,400
\$75,000 to \$99,999	9.2	63.5	571	\$	3,426,000	\$ 2,958,000	\$ 314,050	\$	271,150	\$	314,050
\$100,000 to \$149,999	20.1	83.6	752	\$	4,512,000	\$ 4,044,000	\$ 413,600	\$	370,700	\$	413,600
\$150,000 or more	16.4	100.0	900	\$	5,400,000	\$ 4,932,000	\$ 495,000	\$	452,100	\$	495,000
Median household income	\$ 69,024										



#### NO ABATEMENT - 02-27-20 DRAFT

## OSHTEMO CHARTER TOWNSHIP ORDINANCE NO. \_\_\_\_\_

Adopted:	
Effective:	

An Ordinance to provide for the hardship financing or deferral of the financial obligation to connect to the wastewater collection system of the Oshtemo Charter Township in situations where Property Owner(s) establish by objective evidence that it will constitute an undue financial hardship to pay or fully pay for the sewer system connection fees or the private plumbing expense to connect to the Wastewater Collection System as required by Oshtemo Charter Township Wastewater Service Ordinance No. 208.

#### THE CHARTER TOWNSHIP OF OSHTEMO

#### KALAMAZOO COUNTY, MICHIGAN

#### ORDAINS:

SECTION I.

<u>NAME</u>. This Ordinance shall be known and cited as the Oshtemo Charter Township Public Sanitary Sewer Hardship Financing or Deferment Ordinance.

#### SECTION II.

#### PURPOSE.

- A. To enact an Ordinance under Public Act 368 of 1978 Public Health Code (MCL 333.12756 et seq.) allowing for hardship financing or deferment of the sewer system connection fees and/or the private plumbing expense in cases where hardship prevents the Owners of the premises from paying for the public or private connections to the available sewer system.
- B. To establish a Hardship Advisory Review Committee (HARC) to review and recommend Property Owner(s) to be considered for hardship financing or deferment under this Ordinance.
- C. To establish procedures for the connection of premises to the sewer system by the Township for those who qualify for a hardship financing or deferment.

#### SECTION III.

<u>DEFINITIONS</u>. For purposes of this Ordinance, the following words, terms and phrases when used in this Ordinance shall have the following meanings ascribed to them in this Section:

 Deferment: the postponement of all or a part of the annual mortgage payment owed to the Township on an Installment Payment Mortgage Agreement for Sewer or a delay in connecting to the public sanitary sewer.

- Premise: any lot, parcel, building site from which contains a building from which sanitary sewer originates for which sewer services are available and required by law to be served.
- 3. Private Plumbing Expense: the estimated cost of the installation of all necessary sewage disposal facilities on the property of the applicant or Property Owner(s) for hardship. It means and includes any person who has a legal, possessory interest in a lot, parcel or building site, which interest includes the legal obligation to assume the expenses of sewer connection expense charges.
- Property Owner(s) Hardship: those Property Owner(s) falling below the income and asset limits set forth in Section IV of this Ordinance.
- 5. Sewer System Connection Fees: the connection fees charged by Oshtemo Charter Township.
- Sanitary Sewer System: any municipally operated sewage collection system serving premises within Oshtemo Charter Township.

## SECTION IV. QUALIFYING STANDARDS FOR HARDSHIP FINANCING OR HARDSHIP DEFERMENT. The standards for qualifying for hardship financing or hardship deferment shall be as follows:

- A. Application Limitations. Before submitting an application for hardship financing or deferment, each Property Owner(s) must demonstrate that they do not qualify for assistance with the State of Michigan under the Deferment of Special Assessments on Homesteads Act at 225 of 1976 or under the USDA 504 Home Repair Program or the USDA 502 Home Repair Program. Any assistance received under the above-listed Programs will not count toward the asset limitations set forth in the Township Programs or prohibit a Property Owner who otherwise qualifies for the Township Programs from access to the hardship financing or hardship deferment as set forth below.
- B. Hardship Financing. Property Owner(s) in Oshtemo Charter Township may enter into an Installment Payment Mortgage Agreement to finance their connection fees and provisions of wastewater services Ordinance, No. 208. In addition to the Property Owner(s') right to enter into an Installment Payment Mortgage Agreement under Ordinance No. 208, the following individuals may request that the Private Plumbing Expenses be paid for by the Township and added to the Installment Payment Mortgage Agreement and be financed upon the same terms and the same interest rate offered under Ordinance No. 208, provided the Property Owner(s) meet the following income and assets limitations:
  - Income Limitation. Property Owner(s) whose family income is at or below \_\_\_\_\_\_\_, for the year at issue.
  - Asset Limitation. In addition to the Income Limitations requirements, an asset test considering all assets owned by the applicant, other than the applicant's house, vehicle, and household goods, will be used in determining whether relief should be granted.

Property Owner(s) with assets in excess of \$20,000 may not be eligible for hardship financing.

- C. <u>Hardship Deferments</u>. Property Owner(s) who enter into an Installment Payment Mortgage Agreement, pursuant to Ordinance No. 208, may qualify for a Deferment provided they meet the following Income and Asset limitations set forth below.
  - Income Limitation. Property Owner(s) whose family income is at or below\_\_\_\_\_\_\_, for the year at issue.
  - 2. <u>Asset Limitation</u>. In addition, to the Income Limitations requirements, an asset test considering all assets owned by the applicant, other than the applicant's house, vehicle, and household goods, will be used in determining whether relief should be granted. Property Owner(s) with assets in excess of \$20,000 may not be eligible for a hardship deferment.
- D. Extraordinary Circumstances Warranting Deferment or Delay in Connection. Those Property Owner(s) who do not qualify under the above provisions may request consideration, based upon extraordinary circumstances, for deferment or delay in the connection to the public sanitary sewer system. The extraordinary circumstances which would be considered by the Hardship Advisory Review Committee would be items such as or similar to the following: death of a spouse; extraordinary medical expenses; bankruptcy; extreme debt impacting household disposable income, extreme difficulty in connecting to the public sanitary sewer system; etc. Those Property Owner(s) who believe they might qualify under the standards set forth herein may file an application as set forth in Section V below.

#### SECTION V. APPLICATION

- Property Owner(s) must complete an application, except for the signature, and return it to the Township Officers.
- B. All applications must be signed and witnessed by a Township employee and filed after January 1, but at least two weeks before the Hardship Advisory Review Committee's March meeting to be held the third week in March.
- C. All Property Owner(s) must submit their previous year's Federal Income Tax and State Income Tax returns.
- D. Applicants may be required to be present at the Hardship Advisory Review Committee meeting and may be called upon to appear on short notice.
- E. All questions set forth in the Application must be completed prior to the Hardship Advisory Review Committee meeting.
- F. All applicants signing the Application are admitting that everything contained in the Application is true to their best knowledge, information and belief.
- G. Any Property Owner(s) requesting hardship financing or deferment is subject to investigation by the Township to verify information submitted or statements made in regard to the request for deferment are accurate.

- H. The meeting of the Hardship Advisory Review Committee may be recorded. Minutes will be kept of all proceedings. All meetings held will comply with the Open Meetings Act.
- The Hardship Advisory Review Committee shall follow the policies and guidelines established under this Ordinance in granting or denying hardship financing or deferment.
- J. Property Owner(s) will be evaluated based upon the data submitted to the Hardship Advisory Review Committee. Testimony taken from the Property Owner(s) and information gathered from any source by the Township.
- K. Property Owner(s) shall meet the income and asset limitation set forth herein may be granted hardship financing, deferment, or partial deferment of their sanitary sewer fees or private plumbing expenses.
- L. The Hardship Advisory Review Committee's recommendations regarding sanitary sewer connection fees or private plumbing expense fees for deferment will be done on an annual basis.

#### SECTION VI. <u>DETERMINATION; CONNECTION</u>

- A. Following a recommendation by Hardship Advisory Review Committee to the Township Board on any premises not connected to an available sewage system, the Township Board shall take effective action to achieve connection of said premises to the public sanitary sewer system, whether the connection is made under the provisions of this article or otherwise. The Hardship Advisory Review Committee shall, within thirty (30) days of the close of its investigation, file with the Township Board its report and recommendation clearly stating whether any hardship financing or deferment for the sewer system connection fees or private plumbing expenses will be recommended.
- B. The Hardship Advisory Review Committee will not record a hardship deferral unless the Property Owner(s) agree to enter into an Installment Payment Mortgage Agreement to connect to the available public sanitary sewer system.
- C. Upon receipt of the Hardship Advisory Review Committee's recommendation regarding any premises, the Township Board shall promptly determine, without the necessity of a public hearing, whether to accept the recommendation. No recommendation of hardship for any premises shall be rejected without good cause shown and until the Property Owner(s) have had an opportunity to answer the objections before the Township Board. A recommendation of hardship not rejected by the Township Board within thirty (30) calendar days of receipt thereof shall be deemed accepted and shall entitle the Owner thereof to be qualified for connection under the provisions of this division.

#### SECTION VII. <u>DEFERRED PAYMENT; LIEN; COSTS</u>

A. In the event an Owner accepted for hardship herein requests the Township to effectuate connection to the public sanitary sewer system, the Township Supervisor shall direct the Public Works Director to ascertain the sewer connection fees and/or private plumbing expense to connect the premises to the system, and/or the reasonable value of its labor and materials. The Township Board shall specify to the Public Works Director whether the

physical connection is to be accomplished by a licensed sewer contractor or by the agencies and employees of the City. The Township Board reserves to itself the sole and exclusive right to make or alter its designation as made herein previous to the commencement of the physical connection. Prior to the connection, the Owner shall execute an Installment Payment Mortgage Agreement for Sewer to the Township for possible deferred payment payable on or before death, or in any event, on the sale or transfer of the property except to the extent a deferment is granted.

- B. The Installment Payment Mortgage Agreement shall also include annual interest on the balance of such indebtedness to the Township at the rate set by the Board in Ordinance No. 208, commencing the date of the execution of documents of indebtedness.
- C. The Property Owner(s) shall also be responsible for all costs of the Township in connection with processing the Property Owner(s') application for deferred payments, such as, by way of illustration, and not by way of limitation, costs of recording the Installment Payment Mortgage Agreement, and any direct legal fees in connection with reviewing of the foregoing and preparation of the Installment Payment Mortgage Agreement to be recorded. Such costs shall be added to the amount due and owing upon the Installment Payment Mortgage Agreement to be executed by the Owner of the premises.

SECTION VIII.

<u>PHYSICAL CONNECTION</u>. Upon execution of the documents in accordance with the provisions of Section VII, the Township Board shall direct the Public Works Director to complete the physical connection of the premises, in the method approved by the Township Board, to the public sanitary sewer system in accordance with all laws, ordinances, rules and regulations of the State, City and Township.

SECTION IX.

HARDSHIP REVOLVING FUND; BOARD CONTROL. The monies necessary to implement the provisions of this Ordinance shall be drawn from and returned to the "hardship revolving fund" to be created and maintained by the Township Board. The sewer fund shall be the sole source of Township monies deposited to the "hardship revolving fund." The Township Board shall transfer funds between the fund and the hardship revolving fund as necessary to properly implement the provisions of this division.

SECTION X.

<u>EFFECTIVE DATE</u>. This Ordinance shall take effect upon publication after adoption in accordance with State law. All Ordinances or parts of Ordinances in conflict herewith are hereby repealed.

DUSTY FARMER, CLERK OSHTEMO CHARTER TOWNSHIP



#### \$29,343,000

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

#### ANNUAL HOUSEHOLD COST

#### 40 Rural Development Issue

(Assumes connection in 2020 with 40 yrs to pay)

#### **Connection Fees**

				Total	
	Annual			Annual	<b>Total Monthly</b>
Year	Surcharge	Principal	Interest	Charge	Charge
2020	\$ -	\$ 287.50	\$ 388.13	\$ 675.63	\$ 56.30
2021	40.36	287.50	378.42	706.28	58.86
2022	34.64	287.50	368.72	690.86	57.57
2023	47.58	287.50	359.02	694.09	57.84
2024	49.00	287.50	349.31	685.82	57.15
2025	50.47	287.50	339.61	677.58	56.47
2026	49.39	287.50	329.91	666.80	55.57
2027	50.87	287.50	320.20	658.57	54.88
2028	52.40	287.50	310.50	650.40	54.20
2029	53.97	287.50	300.80	642.27	53.52
2030	49.74	287.50	291.09	628.33	52.36
2031	42.19	287.50	281.39	611.08	50.92
2032	46.56	287.50	271.69	605.75	50.48
2033	47.95	287.50	261.98	597.44	49.79
2034	49.39	287.50	252.28	589.17	49.10
2035	50.87	287.50	242.58	580.95	48.41
2036	52.40	287.50	232.88	572.78	47.73
2037	50.37	287.50	223.17	561.05	46.75
2038	51.89	287.50	213.47	552.85	46.07
2039	53.44	287.50	203.77	544.71	45.39
2040	55.05	287.50	194.06	536.61	44.72
2041	56.70	287.50	184.36	528.56	44.05
2042	58.40	287.50	174.66	520.55	43.38
2043	60.15	287.50	164.95	512.60	42.72
2044	61.95	287.50	155.25	504.70	42.06
2045	59.26	287.50	145.55	492.30	41.03
2046	61.03	287.50	135.84	484.38	40.36
2047	62.86	287.50	126.14	476.50	39.71
2048	64.75	287.50	116.44	468.69	39.06
2049	66.69	287.50	106.73	460.93	38.41
2050	68.69	287.50	97.03	453.22	37.77
2051	65.31	287.50	87.33	440.14	36.68
2052	67.27	287.50	77.63	432.40	36.03
2053	69.29	287.50	67.92	424.71	35.39
2054	71.37	287.50	58.22	417.09	34.76
2055	73.51	287.50	48.52	409.52	34.13
2056	75.71	287.50	38.81	402.03	33.50
2057	71.49	287.50	29.11	388.10	32.34
2058	73.63	287.50	19.41	380.54	31.71
2059	75.84	287.50	9.70	373.04	31.09
	\$ 2,242.44	\$ 11,500.00	\$7,956.56	\$ 21,699.00	=

Connection Fee \$ 11,500 Interest Rate 3.375%

> 17000 Kercheval Ave., Suite 230 Grosse Pointe, Michigan 48230 PHONE: (313) 961-8222 FAX: (313) 961-8220



Rounded Surcharge

\$29,343,000
Oshtemo Charter Township
County of Kalamazoo, State of Michigan
General Obligation Limited Tax Bonds

#### SCHEDULE OF CONNECTION FEES, DEBT SERVICE REQUIREMENTS AND COVERAGE

				City of Kalamazoo	Total Charge	Oshtemo	Oshtemo			Total Revenue		Debt <sup>6</sup>	Bond <sup>7</sup>	Annual	Surplus
	Projected <sup>1</sup>	Total <sup>2</sup>	Projected Flow	Charge per Cubic	from the City of	Debt Service Charge	Debt Service Charge	Revenue from <sup>3</sup>	Revenue from4	Before	Total	Service	Reserve	Surplus	(Deficit)
Year	REU's	REU's	(Cubic Meters)	Meter	Kalamazoo	(Percentage)⁵	(Dollars)	Conn Fees	Gen. Fund	Debt Service Charge	Revenues	Requirements	Requirement	(Deficit)	Cumulative
2020	0	6,941	1,582,548	\$ 0.95	\$ 1,511,032.66		\$ -	\$ -	\$ 250,000	\$ 250,000	\$ 250,000	\$ 117,099	\$ 39,800	\$ 93,101	\$ 93,101
2021	72	7,013	1,598,964	0.98	1,572,508.02	18.0%	283,051.44	48,140	250,000	298,140	581,192	460,958	112,600	7,634	100,735
2022	368	7,381	1,682,868	1.01	1,704,674.48	15.0%	255,701.17	296,089	250,000	546,089	801,790	687,266	112,600	1,923	102,658
2023	469	7,850	1,789,800	1.04	1,867,381.86	20.0%	373,476.37	612,162	250,000	862,162	1,235,638	1,106,737	112,600	16,301	118,959
2024	0	7,850	1,789,800	1.07	1,923,403.32	20.0%	384,680.66	603,242	250,000	853,242	1,237,923	1,111,411	112,600	13,911	132,871
2025	0	7,850	1,789,800	1.11	1,981,105.42	20.0%	396,221.08	594,322	250,000	844,322	1,240,543	1,110,804	112,600	17,139	150,010
2026	0	7,850	1,789,800	1.14	2,040,538.58	19.0%	387,702.33	585,402	250,000	835,402	1,223,105	1,105,021	112,600	5,484	155,494
2027	0	7,850	1,789,800	1.17	2,101,754.74	19.0%	399,333.40	576,483	250,000	826,483	1,225,816	1,106,043	112,600	7,173	162,667
2028	0	7,850	1,789,800	1.21	2,164,807.38	19.0%	411,313.40	567,563	250,000	817,563	1,228,876	1,107,789	112,600	8,487	171,154
2029	0	7,850	1,789,800	1.25	2,229,751.60	19.0%	423,652.80	558,643	250,000	808,643	1,232,296	1,109,273	112,600	10,423	181,577
2030	0	7,850	1,789,800	1.28	2,296,644.15	17.0%	390,429.51	549,723	250,000	799,723	1,190,153	1,110,491	72,800	6,861	188,439
2031	0	7,850	1,789,800	1.32	2,365,543.48	14.0%	331,176.09	540,803	250,000	790,803	1,121,979	1,114,379	-	7,601	196,039
2032	0	7,850	1,789,800	1.36	2,436,509.78	15.0%	365,476.47	531,884	250,000	781,884	1,147,360	1,128,798	-	18,562	214,601
2033	0	7,850	1,789,800	1.40	2,509,605.07	15.0%	376,440.76	522,964	250,000	772,964	1,149,405	1,128,783	-	20,622	235,223
2034	0	7,850	1,789,800	1.44	2,584,893.23	15.0%	387,733.98	514,044	250,000	764,044	1,151,778	1,134,392	-	17,386	252,609
2035	0	7,850	1,789,800	1.49	2,662,440.02	15.0%	399,366.00	505,124	250,000	755,124	1,154,490	1,130,662	-	23,828	276,438
2036	0	7,850	1,789,800	1.53	2,742,313.22	15.0%	411,346.98	496,204	250,000	746,204	1,157,551	1,133,618	-	23,934	300,372
2037	0	7,850	1,789,800	1.58	2,824,582.62	14.0%	395,441.57	487,285	250,000	737,285	1,132,726	1,132,223	-	503	300,875
2038	0	7,850	1,789,800	1.63	2,909,320.10	14.0%	407,304.81	478,365	250,000	728,365	1,135,670	1,131,517	-	4,153	305,028
2039	0	7,850	1,789,800	1.67	2,996,599.70	14.0%	419,523.96	469,445	250,000	719,445	1,138,969	1,129,498	-	9,472	314,499
2040	0	7,850	1,789,800	1.72	3,086,497.69	14.0%	432,109.68	460,525	250,000	710,525	1,142,635	1,129,154	-	13,481	327,980
2041	0	7,850	1,789,800	1.78	3,179,092.62	14.0%	445,072.97	451,606	250,000	701,606	1,146,678	1,128,464	-	18,215	346,195
2042	0	7,850	1,789,800	1.83	3,274,465.40	14.0%	458,425.16	442,686	250,000	692,686	1,151,111	1,127,423	-	23,688	369,882
2043	0	7,850	1,789,800	1.88	3,372,699.36	14.0%	472,177.91	433,766	250,000	683,766	1,155,944	1,129,994	-	25,950	395,833
2044	0	7,850	1,789,800	1.94	3,473,880.35	14.0%	486,343.25	424,846	250,000	674,846	1,161,189	1,129,164	-	32,026	427,858
2045	0	7,850	1,789,800	2.00	3,578,096.76	13.0%	465,152.58	415,926	250,000	665,926	1,131,079	1,127,961	-	3,118	430,976
2046	0	7,850	1,789,800	2.06	3,685,439.66	13.0%	479,107.16	407,007	250,000	657,007	1,136,114	1,127,377	-	8,737	439,713
2047	0	7,850	1,789,800	2.12	3,796,002.85	13.0%	493,480.37	398,087	250,000	648,087	1,141,567	1,125,411	-	16,157	455,869
2048	0	7,850	1,789,800	2.18	3,909,882.93	13.0%	508,284.78	389,167	250,000	639,167	1,147,452	1,124,063	-	23,389	479,259
2049	0	7,850	1,789,800	2.25	4,027,179.42	13.0%	523,533.32	380,247	250,000	630,247	1,153,781	1,123,310	-	30,471	509,729
2050	0	7,850	1,789,800	2.32	4,147,994.80	13.0%	539,239.32	371,327	250,000	621,327	1,160,567	1,123,133	-	37,434	547,163
2051	0	7,850	1,789,800	2.39	4,272,434.65	12.0%	512,692.16	362,408	250,000	612,408	1,125,100	1,122,519	-	2,581	549,744
2052	0	7,850	1,789,800	2.46	4,400,607.69	12.0%	528,072.92	353,488	250,000	603,488	1,131,561	1,121,466	-	10,095	559,839
2053	0	7,850	1,789,800	2.53	4,532,625.92	12.0%	543,915.11	344,568	250,000	594,568	1,138,483	1,120,962	-	17,521	577,360
2054	0	7,850	1,789,800	2.61	4,668,604.70	12.0%	560,232.56	335,648	250,000	585,648	1,145,881	1,119,997	-	25,884	603,244
2055	0	7,850	1,789,800	2.69	4,808,662.84	12.0%	577,039.54	326,729	250,000	576,729	1,153,768	1,119,560	-	34,208	637,452
2056	0	7,850	1,789,800	2.77	4,952,922.72	12.0%	594,350.73	317,809	250,000	567,809	1,162,159	1,118,641	-	43,519	680,971
2057	0	7,850	1,789,800	2.85	5,101,510.40	11.0%	561,166.14	308,889	250,000	558,889	1,120,055	1,118,228	-	1,827	682,798
2058	0	7,850	1,789,800	2.94	5,254,555.72	11.0%	578,001.13	299,969	250,000	549,969	1,127,970	1,123,232	-	4,738	687,537
2059	0	7,850	1,789,800	3.02	5,412,192.39	11.0%	595,341.16	291,049	250,000	541,049	1,136,391	1,116,659	-	19,732	707,268
2060	0	7,850	1,789,800	3.11	5,574,558.16	11.0%	613,201.40	282,130	250,000	532,130	1,145,331	1,118,104	-	27,227	734,495
2061	0	7,850	1,789,800	3.21	5,741,794.90	11.0%	631,597.44	273,210	250,000	523,210	1,154,807	1,115,730	-	39,077	773,572
	_	327,485	=				\$ 18,797,910	\$ 17,608,973	\$ 10,500,000	\$ 28,108,973	\$ 46,906,882	\$ 45,007,310	\$ 1,126,000	\$ 773,572	

#### Notes

### 17000 Kercheval Ave., Suite 230, Grosse Pointe, Michigan 48230 PHONE: (313) 961-8222 FAX: (313) 961-8220

<sup>&</sup>lt;sup>1</sup> See Schedule of REU's

<sup>&</sup>lt;sup>2</sup> Includes existing REU's of 6,941

<sup>&</sup>lt;sup>3</sup> See Schedule of Connection Fees, assumes that each connection costs residents \$11,500 to be paid within 40 years with interest of 3.375%

<sup>&</sup>lt;sup>4</sup> Assumes a flat payment of \$250,000 will be paid from the General Fund

<sup>5</sup> Oshtemo will receive a debt service charge from Kalamazoo that is added to Oshtemo customer's bills at the discretion of Oshtemo Township. This debt service charge has been calculated at the level needed each year to service the Township's debt and rounded up to the nearest whole percent.

 $<sup>^{6}</sup>$  See Schedule of Debt Service Requirements, 40 year term and 2.375% interest rate

<sup>&</sup>lt;sup>7</sup> Rural Development Bonds require a bond reserve, see Rural Development Bond Reserve Calculation



\$29,343,000
Oshtemo Charter Township
County of Kalamazoo, State of Michigan
General Obligation Limited Tax Bonds

#### **RURAL DEVELOPMENT BOND RESERVE CALCULATION**

	Phase 1	Phase 2
Total Debt Service	\$ 15,914,020	\$ 29,093,290
Financing Term (Years)	 40	40
Total Bond Reserve (rounded up to nearest thousand)	\$ 398,000	\$ 728,000
Bond Reserve Term (Years)	10	10
Annual Bond Reserve (Years 1 through 10)	\$ 39,800	\$ 72,800

17000 Kercheval Ave., Suite 230 Grosse Pointe, Michigan 48230 PHONE: (313) 961-8222 FAX: (313) 961-8220



## \$29,343,000 Oshtemo Charter Township County of Kalamazoo, State of Michigan General Obligation Limited Tax Bonds

#### SCHEDULE OF DEBT SERVICE REQUIREMENTS

	\$ -	Rate	Due April 1	Interest Due October 1	\$19.482M Principal Due April 1	Interest Rate	Interest Due April 1	Interest Due October 1	Total Principal Due April 1	Total Interest Due April 1	Total Interest Due October 1	Total Principal & Interest Requirements
2020	<b>5</b> -	2.375% \$		\$ 117,099	\$ -	2.125% \$	-	\$ -	\$ -	\$ -	\$ 117,099	\$ 117,099
2021	20,000	2.375%	117,099	116,862	-	2.125%	-	206,996	20,000	117,099	323,858	460,958
2022	20,000	2.375%	116,862	116,624	20,000	2.125%	206,996	206,784	40,000	323,858	323,408	687,266
2023	111,000	2.375%	116,624	115,306	354,000	2.125%	206,784	203,023	465,000	323,408	318,329	1,106,737
2024	117,000	2.375%	115,306	113,917	363,000	2.125%	203,023	199,166	480,000	318,329	313,083	1,111,411
2025	124,000	2.375%	113,917	112,444	366,000	2.125%	199,166	195,277	490,000	313,083	307,721	1,110,804
2026	130,000	2.375%	112,444	110,901	365,000	2.125%	195,277	191,399	495,000	307,721	302,299	1,105,021
2027	135,000	2.375%	110,901	109,298	372,000	2.125%	191,399	187,446	507,000	302,299	296,744	1,106,043
2028	139,000	2.375%	109,298	107,647	381,000	2.125%	187,446	183,398	520,000	296,744	291,045	1,107,789
2029	123,000	2.375%	107,647	106,186	410,000	2.125%	183,398	179,042	533,000	291,045	285,228	1,109,273
2030	131,000	2.375%	106,186	104,631	415,000	2.125%	179,042	174,633	546,000	285,228	279,263	1,110,491
2031	141,000	2.375%	104,631	102,956	421,000	2.125%	174,633	170,159	562,000	279,263	273,116	1,114,379
2032	140,000	2.375%	102,956	101,294	449,000	2.125%	170,159	165,389	589,000	273,116	266,683	1,128,798
2033	149,000	2.375%	101,294	99,524	453,000	2.125%	165,389	160,576	602,000	266,683	260,100	1,128,783
2034	168,000	2.375%	99,524	97,529	453,000	2.125%	160,576	155,763	621,000	260,100	253,292	1,134,392
2035	174,000	2.375%	97,529	95,463	457,000	2.125%	155,763	150,907	631,000	253,292	246,370	1,130,662
2036	190,000	2.375%	95,463	93,207	458,000	2.125%	150,907	146,041	648,000	246,370	239,248	1,133,618
2037	199,000	2.375%	93,207	90,844	462,000	2.125%	146,041	141,132	661,000	239,248	231,976	1,132,223
2038	210,000	2.375%	90,844	88,350	465,000	2.125%	141,132	136,191	675,000	231,976	224,541	1,131,517
2039	220,000	2.375%	88,350	85,738	468,000	2.125%	136,191	131,219	688,000	224,541	216,956	1,129,498
2040	231,000	2.375%	85,738	82,994	472,000	2.125%	131,219	126,204	703,000	216,956	209,198	1,129,154
2041	243,000	2.375%	82,994	80,109	475,000	2.125%	126,204	121,157	718,000	209,198	201,266	1,128,464
2042	256,000	2.375%	80,109	77,069	477,000	2.125%	121,157	116,089	733,000	201,266	193,158	1,127,423
2043	265,000	2.375%	77,069	73,922	487,000	2.125%	116,089	110,914	752,000	193,158	184,836	1,129,994
2044	279,000	2.375%	73,922	70,609	489,000	2.125%	110,914	105,719	768,000	184,836	176,328	1,129,164
2045	291,000	2.375%	70,609	67,153	493,000	2.125%	105,719	100,481	784,000	176,328	167,634	1,127,961
2046	304,000	2.375%	67,153	63,543	497,000	2.125%	100,481	95,200	801,000	167,634	158,743	1,127,377
2047	316,000	2.375%	63,543	59,791	501,000	2.125%	95,200	89,877	817,000	158,743	149,668	1,125,411
2048	329,000	2.375%	59,791	55,884	505,000	2.125%	89,877	84,511	834,000	149,668	140,395	1,124,063
2049	342,000	2.375%	55,884	51,823	510,000	2.125%	84,511	79,093	852,000	140,395	130,915	1,123,310
2050	354,000	2.375%	51,823	47,619	517,000	2.125%	79,093	73,599	871,000	130,915	121,218	1,123,133
2051	369,000	2.375%	47,619	43,237	521,000	2.125%	73,599	68,064	890,000	121,218	111,301	1,122,519
2052	382,000	2.375%	43,237	38,701	527,000	2.125%	68,064	62,464	909,000	111,301	101,165	1,121,466
2053	398,000	2.375%	38,701	33,974	531,000	2.125%	62,464	56,823	929,000	101,165	90,797	1,120,962
2054	411,000	2.375%	33,974	29,094	538,000	2.125%	56,823	51,106	949,000	90,797	80,200	1,119,997
2055	427,000	2.375%	29,094	24,023	543,000	2.125%	51,106	45,337	970,000	80,200	69,360	1,119,560
2056	440,000	2.375%	24,023	18,798	551,000	2.125%	45,337	39,483	991,000	69,360	58,281	1,118,641
2057	456,000	2.375%	18,798	13,383	557,000	2.125%	39,483	33,564	1,013,000	58,281	46,948	1,118,228
2058	482.000	2.375%	13,383	7,659	559,000	2.125%	33,564	27,625	1,041,000	46,948	35,284	1,123,232
2059	535,000	2.375%	7,659	1,306	523,000	2.125%	27,625	22,068	1,058,000	35,284	23,374	1,116,659
2060	110.000	2.375%	1,306	,	973,000	2.125%	22,068	11,730	1,083,000	23,374	11,730	1,118,104
2061	,	2.375%	.,200		1,104,000	2.125%	11,730	,	1,104,000	11,730	-	1,115,730
_30.	\$ 9,861,000	\$	3,026,510	\$ 3,026,510	\$ 19,482,000	\$		\$ 4,805,645	\$ 29,343,000	\$ 7,832,155	\$ 7,832,155	\$ 45,007,310

17000 Kercheval Ave., Suite 230 Grosse Pointe, Michigan, 48230 PHONE: (313) 961-8222 FAX: (313) 961-8220



## ROAD COMMISSION OF KALAMAZOO COUNTY 2020 Local Road Participation (PAR) Fund Allocation

Updated: 12/27/19

							Local			2020	2019	2020 Total
	2010	% of		Local	% of		Urban	% of	Urban	Total	Carryover	PAR Funds
Township	Census	Population	35%	Mileage **	Mileage	65%	Mileage	Urban	Distribution	PAR	PAR Funds	Available
Alamo	3,762	3.16%	18,942	37.88	4.60%	51,209	0.33	0.09%	299	70,450		70,450.00
Brady	3,613	3.03%	18,163	46.63	5.66%	63,010	9.62	2.60%	8,640	89,813	20,103.58	109,916.58
Charleston	1,942	1.63%	9,771	23.95	2.91%	32,395	2.44	0.66%	2,193	44,359		44,359.00
Climax	1,696	1.42%	8,512	47.40	5.76%	64,123	0.00	0.00%	0	72,635	368.91	73,003.91
Comstock	14,854	12.47%	74,750	74.50	9.05%	100,749	67.19	18.16%	60,348	235,847		235,847.00
Cooper	10,111	8.49%	50,892	62.83	7.63%	84,941	32.49	8.78%	29,177	165,010	9,684.45	174,694.45
Kalamazoo	21,918	18.40%	110,297	74.89	9.10%	101,305	74.89	20.25%	67,293	278,895	8,600.00	287,495.00
Oshtemo***	21,705	18.22%	109,218	77.52	9.42%	104,868	48.99	13.24%	43,998	258,084	132,811.50	390,895.50
Pavilion	6,222	5.22%	31,291	48.32	5.87%	65,348	19.94	5.39%	17,912	114,551		114,551.00
<b>Prairie Ronde</b>	2,250	1.89%	11,329	52.11	6.33%	70,469	0.00	0.00%	0	81,798		81,798.00
Richland	6,829	5.73%	34,348	49.24	5.98%	66,572	22.22	6.01%	19,972	120,892		120,892.00
Ross	3,812	3.20%	19,182	53.44	6.49%	72,250	2.11	0.57%	1,894	93,326		93,326.00
Schoolcraft	4,418	3.71%	22,239	34.23	4.16%	46,311	20.39	5.51%	18,310	86,860		86,860.00
Texas	14,697	12.34%	73,971	92.70	11.26%	125,352	69.29	18.74%	62,277	261,600		261,600.00
Wakeshma	1,301	1.09%	6,535	47.52	5.78%	64,345	0.00	0.00%	0	70,880		70,880.00
	119,130	100.00%	599,440	823.16	100.00%	1,113,247	369.90	100.00%	332,313	2,045,000	171,568.44	2,216,568.44

\*\*\*Oshtemo 2019 PAR Fund Carryover includes Contract for Sewer/Water \$86,344.93

## January 27<sup>th</sup> (date adjusted for 2020 only)

\*Townships must provide notice to the Board of one of the following by email:

- 1. Unable to use any of the allocated PAR Funds;
- 2. The specific portion of allocated PAR Funds able to use;
- 3. Able to utilize ALL of the allocated PAR Funds, but not committed to PAR Funds re-distribution; OR
- 4. Able to utilize ALL of the allocated PAR Funds and COMMITTED to participating in the PAR Funds re-distribution.

#### January 31<sup>st</sup>

The Road Commission will complete the one time re-distribution based on the January 27<sup>th</sup> response, and notify townships.

#### February 15<sup>th</sup>

Townships must provide notice to the Board for the first hot mix asphalt (HMA) projects by this date to be included in the first HMA bid letting.

#### March 15<sup>th</sup>

Local Road Contracts must be received by this date; any local road participation funds allocated, but not obligated by March 15th are reallocated to RCKC primary road fund.

<sup>\*</sup>Please see RCKC policies for further information.

<sup>\*\*</sup> Total Local Mileage is based on year-to-date accepted roadways.

OBJECTID	F_2020ParR	А	ppxPAR	Shape_Leng	PrgName	Estimate	Column1	del	Column2	Column3
	1	1	5.00		3301 W L Ave	115,221	Crack Fill, HMA Wedging, Chip Seal, Fog Seal	0.00	1_sec	0
	2	2	8.00		688 Crystal Ln	25,252	Chip Seal, Fog Seal (1-2 years)		2_LC	0
	3	3	4.00		169 Holiday Ln	8,859	Crack Fill, Chip Seal, Fog Seal		2_LC	0
	4	4	5.00		165 Nature Way	6,057	Crack Fill, Chip Seal, Fog Seal	Remove	1 3_R	6057
	5	5	4.44		721 Oshtemo Trace	29,744	Crack Fill, Chip Seal, Fog Seal		3_R	0
	6	6	5.09		2397 N 5th St	55,552	Crack Fill, HMA Wedging, Chip Seal, Fog Seal	Remove	1 1_sec	55552
	7	7	8.00		2403 W H Ave	46,616	Chip Seal, Fog Seal (1-2 years)		1_sec	0
	8	8	5.34		3797 N 3rd St	90,287	Crack Fill, HMA Wedging, Chip Seal, Fog Seal		1_sec	0
	9	9	5.00		1494 S 6th St	45,130	Crack Fill, HMA Wedging, Chip Seal, Fog Seal		1_sec	0
1	10 1	10	5.59	0.00	1053 Big Rock Dr	26,522	HMA Wedging, Chip Seal, Fog Seal		1_sec	0
1	1 1	11	5.25		400 Pondview Dr	16,637	Crack Fill, Chip Seal, Fog Seal	Remove	1 3_R	16637
1	12 1	12	4.00		656 Carver Dr	21,055	Crack Fill, Chip Seal, Fog Seal		3_R	0
1	13 1	13	5.00		167 Haven Way	8,792	Crack Fill, Chip Seal, Fog Seal		3_R	0
	14 1	L4	8.00		3293 W M Ave	76,856	Crack Fill, HMA Wedging, Chip Seal, Fog Seal		1_sec	0
										78246

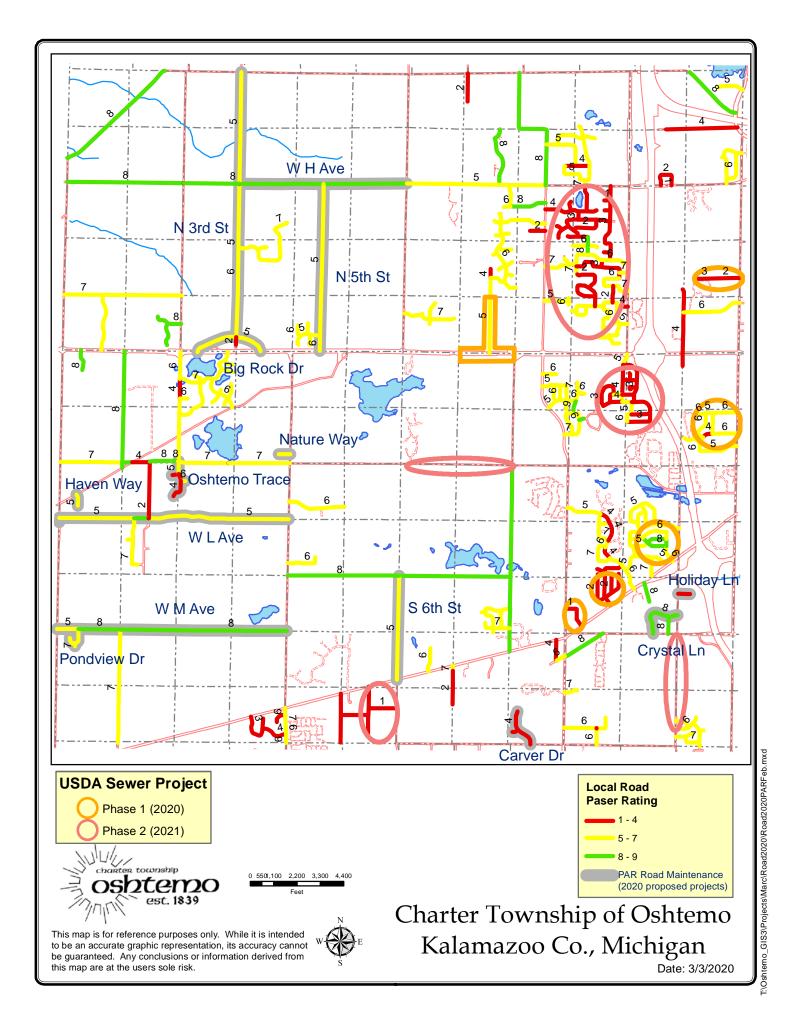
572,580

286,290

250,000 Budget 36,290 Over 72580 2x removal

Hard dollar PAR: 247,167

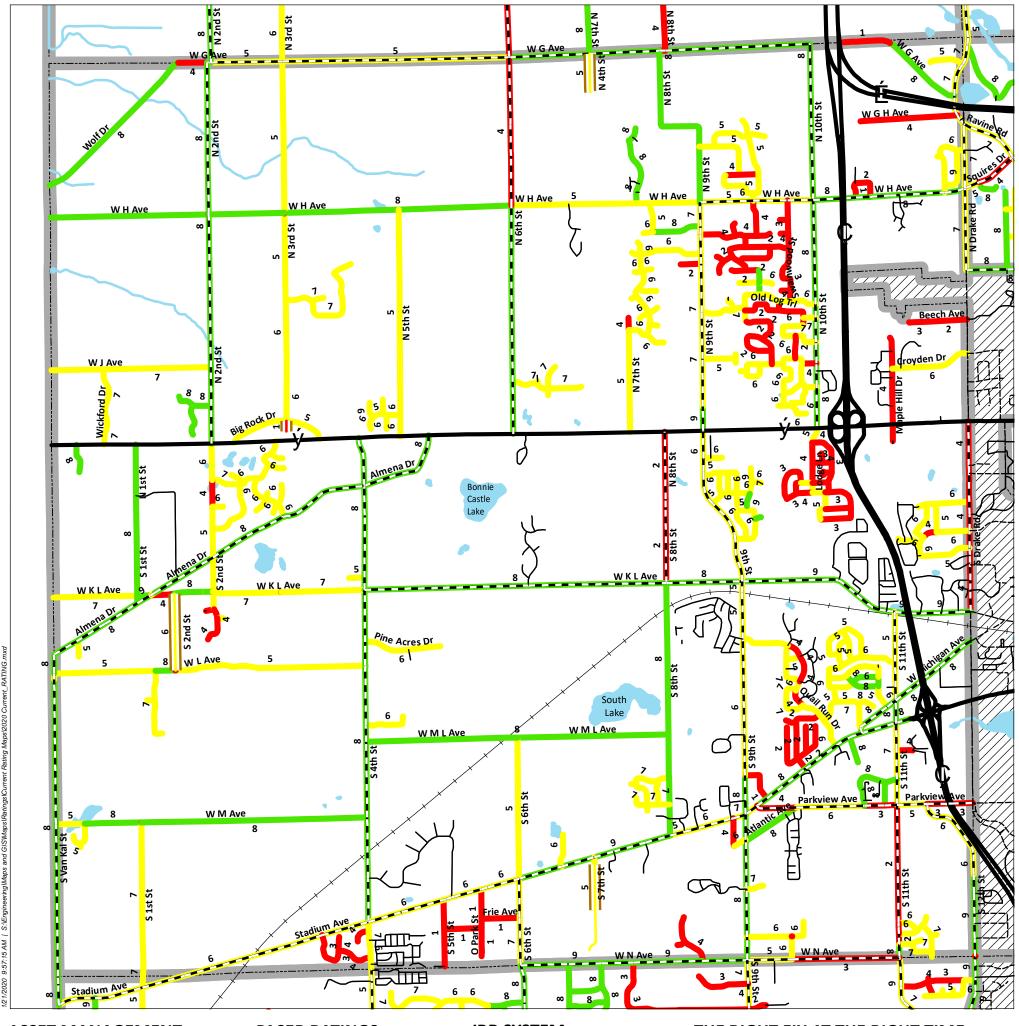
39123 with 3 removals



## **2020 Current Asset Management Ratings Map**

Oshtemo Twp





#### **ASSET MANAGEMENT**

Asset Management is a systematic approach to selecting the best investment at the right time to maximize the life of the asset being measured, in this case, road surface conditions. The goal is to maintain our roads in good condition, making periodic investments in the pavement, rather than letting it deteriorate to a level that requires a major investment to bring it back to a good condition. Periodic maintenance investments typically total less than the major investment required to

### **PASER RATINGS**

PASER Stands for Pavement Surface Evaluation and Rating. The PASER rating scale ranges from 1, failed condition, to 10, brand new pavement. A pavement will only be a 10 the first year of its life, the second year it may automatically become a 9. Any condition of 8 or greater is considered to be a good condition, 7, 6 or 5 are fair, 4 or lower is poor.

- PASER based on physcial ratings and project improvements. -Private roads not rated.

#### **IBR SYSTEM**

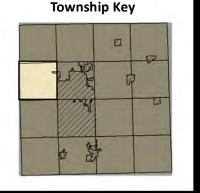
IBR stands for Inventory Based Rating. Condition assessment of unpaved/gravel roads is based on the Surface Width, Drainage Adequacy and Structural Adequacy of the roadway. Each of these three assessment areas are then aggregated to the IBR rating for good, fair, poor ranging from 1, poor condition, to 10, good condition. Once initial ratings are established, updates only occur when a construction or rehabilitation activity is completed. The baselineIBR rating occurred in 2015.

### THE RIGHT FIX AT THE RIGHT TIME

The RCKC determines the best fix to optimize service life for each of our projects. Good pavement management involves less expensive treatments earlier in the life of

the pavement in order to take full advantage of infrastructural investments.







Road Commission of Kalamazoo County 3801 E. Kilgore Road Kalamazoo, MI 49001 (269) 381-3171 Fax (269) 381-1760

For more information on this, as well as on other topics, please feel free to contact our office or visit our website.



### Memorandum

**Date:** March 9, 2020

**To:** Members, Capital Improvements Committee

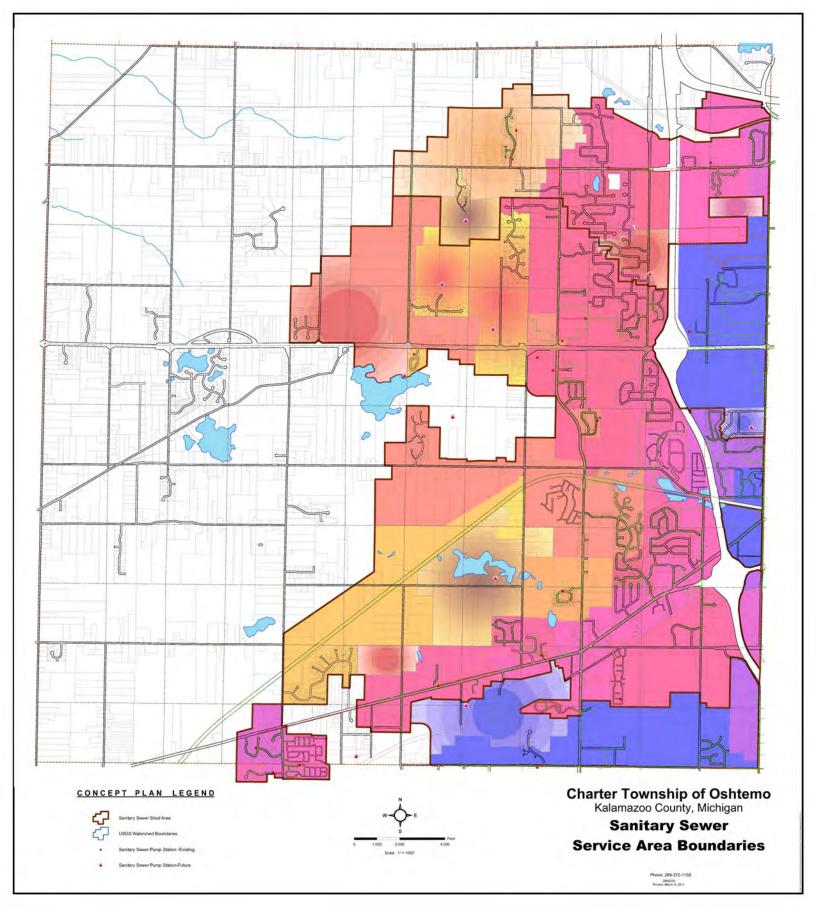
From: Marc Elliott, Director of Public Works

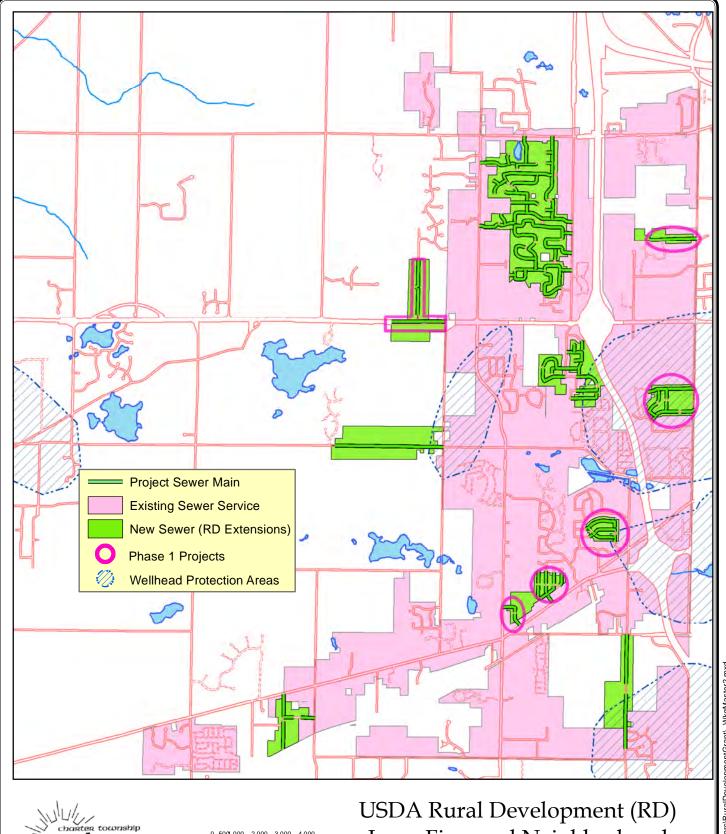
**Subject:** Sanitary Sewer Strategic Master Plan

Departmental staff has been working diligently since an application to USDA was submitted in 2017 seeking funding to implement needed public sewer extensions. Having been approved for major funding, the manpower needed to propel the project forward has forestalled other initiatives. It is therefore timely for CIC members to review changing condition and consider adjustments to the overall, long-term strategic vision for public sewer extensions.

The following attachments are intended to initiate CIC member discussions and dialog:

- 1. Sanitary Sewer Service Boundaries (2011). This figure is a "heat" map of service areas.
  - The first thing to note is that the separate boundary areas are based upon ground topography, and generally represent areas in which a well-designed, major collector sewer main is likely to collect the boundary area flows.
  - The colors, ranging from cool to hot, represent an ordered and rational extension of sewer service. They also typically represent lower (blue) elevations that higher (hotter) elevations will flow into. Blues also largely represent areas where sewer service is generally available. A step-wise movement between boundary areas by color temperature generally suggests the rational-order of construction of various gravity sewer extensions which extend from low to higher elevations.
  - This map also indicates boundary areas that are topographical bowls. These areas have interior, circular color-concentrations in the general area where a future pump station is anticipated. Elsewhere in white areas, additional future pump stations are also indicated. However, white areas have generally not been evaluated to any great extent regarding future sewer service.
- 2. USDA Rural Development (RD) Load-Financed Neighborhood Sanitary Sewer Extensions.
- 3. Concept Schedule for Sanitary Sewer Strategic Extensions Draft (new).
- 4. CIP Year for Local Sewer Extensions Draft (new).







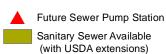


This map is for reference purposes only. While it is intended to be an accurate graphic representation, its accuracy cannot be guaranteed. Any conclusions or information derived from this map are at the users sole risk.



USDA Rural Development (RD) Loan-Financed Neighborhood Sanitary Sewer Extensions

> Charter Township of Oshtemo Kalamazoo Co., Michigan



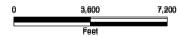


This map is for reference purposes only. While it is intended to be an accurate graphic representation, its accuracy cannot be guaranteed. Any conclusions or information derived from this map are at the users sole risk.

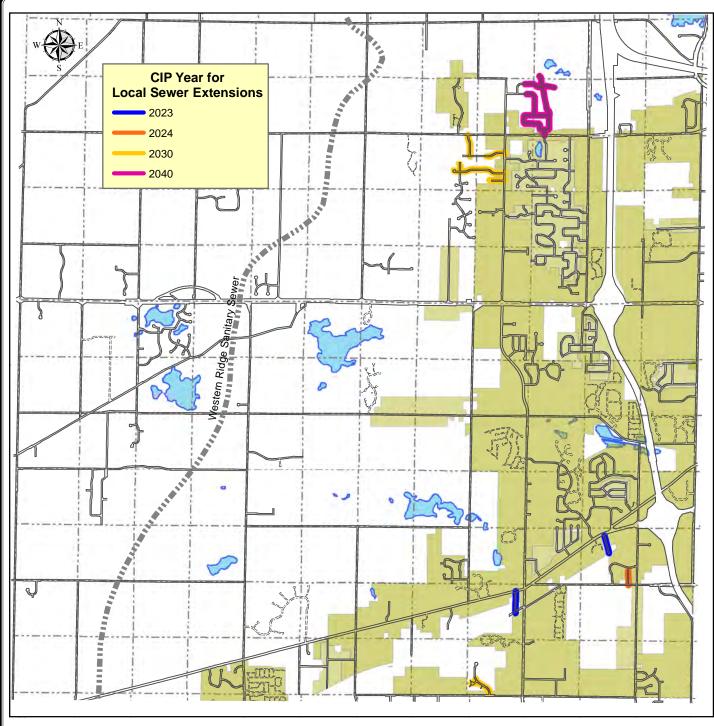
## Sanitary Sewer Strategic Extensions - Draft Master Plan -

(Transimission Mains & Pump Stations)

Charter Township of Oshtemo Kalamazoo Co., Michigan



Date: 3/9/2020





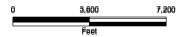
# charter township osptemo est. 1839

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## Sanitary Sewer CIP Plan Local Sewer Extensions

### **DRAFT**

Charter Township of Oshtemo Kalamazoo Co., Michigan



Date: 3/9/2020