

**COUNTY OF CASS
SCHEDULE OF LONG TERM DEBT
September 30, 2019**

Bonds	Original Issue Amount:	Original Issue	Issuance Date	Interest Rates	Balance Due 9/30/2018	Additions	Reductions	Balance Due 9/30/2019	Due Within One Year	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	
Building Authority Refunding Series 2009 368.261.898.000 (Bank of New York)	G P&I 6/1, I 12/1	1,160,000	05/01/13	1.75%-3.25%	905,000		55,000	850,000	60,000 P I	60,000 24,263	55,000 23,213	60,000 21,838	60,000 20,338	65,000 18,838	65,000 17,213	65,000 15,263	65,000 13,313	70,000 11,363	70,000 9,263	75,000 6,988	
Law & Courts Refunding Series 2011 370.261.898.000 (Bank of New York)	G P&I 12/1, I 6/1	2,850,000	10/27/11	2%-4%	1,465,000		265,000	1,200,000	275,000 P I	275,000 41,125	295,000 31,100	315,000 12,600	315,000 12,600							- -	
SUBTOTAL PRIMARY GOVERNMENT					2,370,000	0	320,000	2,050,000	335,000 P I	335,000 65,388	350,000 54,313	375,000 34,438	375,000 32,938	65,000 18,838	65,000 17,213	65,000 15,263	65,000 13,313	70,000 11,363	70,000 9,263	75,000 6,988	
Penn Township Water Supply 382.441.898.000 91-04 (USDA Rural Development)	B P&I 11/1, I 5/1	575,000	10/19/01	4.50%	321,000		15,000	306,000	15,000 P I	15,000 6,885	15,000 13,095	15,000 12,420	15,000 11,745	15,000 11,070	15,000 10,395	15,000 9,720	15,000 9,045	15,000 8,370	15,000 7,695	14,000 7,020	
Vandalia Water Supply - Series A 382.441.898.002 91-13 (USDA Rural Development)	B P&I 11/1, I 5/1	9,000,000	11/09/10	3.00%	7,551,000		225,000	7,326,000	226,000 P I	226,000 216,390	226,000 209,610	227,000 202,815	227,000 196,005	227,000 189,195	228,000 182,370	228,000 175,530	228,000 168,690	228,000 161,850	229,000 154,995	229,000 148,125	
Vandalia Water Supply - Series B 382.441.898.003 91-14 (USDA Rural Development)	B P&I 11/1, I 5/1	1,015,000	11/09/10	3.00%	762,000		22,000	740,000	21,000 P I	21,000 21,885	21,000 21,255	21,000 20,625	21,000 19,995	22,000 19,350	22,000 18,690	22,000 18,030	22,000 17,370	22,000 16,710	22,000 16,050	22,000 15,390	
Village of Vandalia Sewer 383.441.898.000 92-02 (USDA Rural Development)	B P&I 2/1, I 8/1	449,000	05/14/99	4.75%	264,000		11,000	253,000	11,000 P I	11,000 11,757	11,000 11,234	11,000 10,711	12,000 10,165	12,000 9,595	12,000 9,025	12,000 8,455	13,000 7,861	13,000 7,244	13,000 6,627	13,000 6,009	
Ontwa Township Sewer Refunding 384.441.898.000 (Bank of New York)	B	6,565,000	04/19/05	3.50%-4.75%	620,000		620,000	0	0 P I												
Calvin Township (Paradise Lake) Sewer 385.441.898.000 92-06 (USDA Rural Development)	B P&I 2/1, I 8/1	350,000	04/23/02	4.75%	247,000		9,000	238,000	9,000 P I	9,000 11,091	9,000 10,664	9,000 10,236	9,000 9,809	10,000 9,358	10,000 8,883	10,000 8,408	10,000 7,933	10,000 7,458	10,000 6,983	10,000 6,508	
Porter Sewer Refunding Series 2011 386.441.698.000 (Bank of New York)	B P&I 5/1, I 11/1	8,795,000	11/17/11	2.0%-4.0%	4,395,000		735,000	3,660,000	735,000 P I	735,000 142,726	735,000 117,000	730,000 87,600	730,000 58,400	730,000 29,200							
PJC Sewer Refunding Series 2012 387.441.698.000 (Bank of New York)	B P&I 5/1, I 11/1	1,360,000	03/29/12	2.00%-3.15%	600,000		110,000	490,000	110,000 P I	110,000 14,813	105,000 11,513	100,000 8,363	100,000 5,363	75,000 2,363							
Edwardsburg Sewer 388.441.898.000 92-08 (USDA Rural Development)	B P&I 10/1, I 4/1	2,700,000	05/17/06	4.125%	1,318,200		183,000	1,135,200	40,200 P I	40,200 52,718	41,200 51,059	41,200 49,360	42,200 47,660	43,200 45,920	43,200 44,138	44,200 42,356	44,200 40,532	45,200 38,709	46,200 36,845	46,200 34,939	
Lakes Area Sewer Authority 389.441.898.000 92-10 (USDA Rural Development)	B P&I 5/1, I 11/1	9,400,000	09/01/09	3.50%	7,137,000		127,000	7,010,000	131,000 P I	131,000 245,350	137,000 240,765	143,000 235,970	149,000 230,965	153,000 225,750	159,000 220,395	166,000 214,830	174,000 209,020	182,000 202,930	187,000 196,560	195,000 190,015	
Cedar Lake Sewer Series A Fund 489 92-17 92-15	B P&I 5/1, I 11/1	1,716,000	08/15/13	2.75%	1,468,500		25,445	1,443,055	28,000 P I	28,000 38,914	29,000 38,117	30,000 37,292	31,000 36,439	32,000 35,559	33,000 34,652	34,000 33,717	35,000 32,754	36,000 31,764	37,000 30,747	38,000 29,702	
Cedar Lake Sewer Series B 0	B P&I 5/1, I 11/1	325,000	08/15/13	2.75%	294,000		7,000	287,000	7,000 P I	7,000 7,893	7,000 7,700	7,000 7,508	7,000 7,315	7,000 7,123	7,000 6,930	7,000 6,738	7,000 6,545	8,000 6,353	9,000 6,133	9,000 5,885	
SUBTOTAL BUSINESS TYPE ACTIVITIES					24,977,700	0	2,089,445	22,888,255	1,333,200 P I	1,333,200 770,421	1,336,200 732,012	1,334,200 682,899	1,343,200 633,860	1,326,200 584,482	529,200 535,478	538,200 517,784	548,200 499,750	559,200 481,387	568,200 462,634	576,200 443,592	
					27,347,700		2,409,445	24,938,255													

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2044	2045	2046	2047	2048	
70,000	70,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	850,000
4,550	2,275	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	188,716
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,200,000
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	97,425
70,000	70,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,050,000
4,550	2,275	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	286,141
14,000	14,000	14,000	14,000	14,000	14,000	14,000	12,000	12,000	10,000	10,000							-	-	-	-	-	306,000
6,390	5,760	5,130	4,500	3,870	3,240	2,610	1,980	1,440	900	450							-	-	-	-	-	143,730
229,000	229,000	229,000	229,000	229,000	229,000	229,000	230,000	230,000	230,000	230,000	230,000	230,000	230,000	230,000	230,000	230,000	230,000	230,000	230,000	230,000	230,000	7,326,000
141,255	134,385	127,515	120,645	113,775	106,905	100,035	93,150	86,250	79,350	72,450	65,550	58,650	51,750	44,850	37,950	31,050	24,150	17,250	10,350	3,450		3,526,290
22,000	22,000	22,000	22,000	22,000	22,000	23,000	23,000	23,000	23,000	24,000	24,000	24,000	25,000	25,000	25,000	26,000	26,000	26,000	26,000	27,000		740,000
14,730	14,070	13,410	12,750	12,090	11,430	10,755	10,065	9,375	8,685	7,980	7,260	6,540	5,805	5,055	4,305	3,540	2,760	1,980	1,200	405		369,540
13,000	13,000	14,000	14,000	14,000	14,000	14,000	14,000	10,000														253,000
5,391	4,774	4,133	3,468	2,803	2,138	1,473	808	238														123,909
																						-
																						-
12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000												238,000
5,985	5,415	4,845	4,275	3,705	3,135	2,565	1,995	1,425	855	285												131,814
																						3,660,000
																						434,926
																						490,000
																						42,413
47,200	48,200	49,200	49,200	50,200	51,200	52,200	53,200	54,200	55,200	56,200	57,200	34,600										1,135,200
33,033	31,086	29,098	27,068	25,039	22,968	20,856	18,703	16,508	15,273	13,215	12,334	8,514										757,930
203,000	211,000	220,000	230,000	239,000	249,000	258,000	269,000	280,000	291,000	303,000	315,000	328,000	341,000	353,000	367,000	382,000	395,000					7,010,000
183,190	176,085	168,700	161,000	152,950	144,585	135,870	126,840	117,425	107,625	97,440	86,835	75,810	64,330	52,395	40,040	27,195	13,825					4,344,690
39,000	40,000	41,000	42,000	43,000	44,000	45,000	46,000	47,000	48,000	49,000	50,000	51,000	52,000	53,000	54,000	54,000	55,000	56,000	56,000	57,000	58,055	1,443,055
28,629	27,529	26,402	25,247	24,064	22,854	21,617	20,352	19,059	17,739	16,392	15,017	13,614	12,184	10,727	9,242	7,757	6,244	4,704	3,164	1,597	2	713,793
9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	287,000
5,638	5,390	5,143	4,895	4,648	4,400	4,153	3,905	3,658	3,410	3,163	2,915	2,668	2,420	2,173	1,925	1,650	1,375	1,100	825	550	275	142,395
588,200	598,200	610,200	621,200	632,200	644,200	656,200	668,200	677,200	678,200	693,200	685,200	676,600	657,000	670,000	686,000	702,000	716,000	322,000	322,000	324,000	68,055	22,888,255
424,241	404,494	384,375	363,848	342,943	321,655	299,934	277,798	255,378	233,837	211,375	189,911	165,795	136,489	115,200	93,462	71,192	48,354	25,034	15,539	6,002	277	10,731,430

COUNTY OF CASS
 SCHEDULE OF LONG TERM DEBT
 September 30, 2018

Bonds	Original Issue	Issuance Date	Interest Rates	Balance Due 9/30/2017	Additions	Reductions	Balance Due		Due Within																													
							9/30/2018	One Year	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048
Original Issue Amount:									46,260,000																													
Building Authority Refunding Series 2011	G P&I 6/1, I 12/1	1,160,000	05/01/13	1.75%-3.25%	960,000	55,000	905,000	55,000	55,000	60,000	55,000	60,000	60,000	65,000	65,000	65,000	65,000	70,000	70,000	75,000	70,000	70,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	905,000	
368.261.898.000 (Bank of New York)									55,000	60,000	55,000	60,000	60,000	65,000	65,000	65,000	65,000	70,000	70,000	75,000	70,000	70,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	213,941	
Law & Courts Refunding Series 2011	G P&I 12/1, I 6/1	2,850,000	10/27/11	2%-4%	1,720,000	255,000	1,465,000	265,000	265,000	275,000	295,000	315,000	315,000	49,888	41,125	31,100	12,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,465,000	
370.261.898.000 (Bank of New York)									265,000	275,000	295,000	315,000	315,000	49,888	41,125	31,100	12,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	147,313	
SUBTOTAL PRIMARY GOVERNMENT									2,680,000	0	310,000	2,370,000	320,000	330,000	335,000	350,000	375,000	375,000	65,000	65,000	65,000	65,000	70,000	70,000	75,000	70,000	70,000	0	0	0	0	0	0	0	0	0	0	2,370,000
Penn Township Water Supply	B P&I 11/1, I 5/1	575,000	10/19/01	4.50%	336,000	15,000	321,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	12,000	12,000	10,000	10,000	-	-	-	321,000			
382.441.898.000 91-04 (USDA Rural Development)									15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	12,000	12,000	10,000	10,000	-	-	-	-	165,000		
Vandalia Water Supply - Series A	B P&I 11/1, I 5/1	9,000,000	11/09/10	3.00%	7,776,000	225,000	7,551,000	225,000	225,000	226,000	227,000	227,000	227,000	227,000	228,000	228,000	228,000	228,000	229,000	229,000	229,000	229,000	229,000	229,000	229,000	229,000	230,000	230,000	230,000	230,000	230,000	230,000	230,000	230,000	7,551,000			
382.441.898.002 91-13 (USDA Rural Development)									225,000	226,000	227,000	227,000	227,000	228,000	228,000	228,000	229,000	229,000	229,000	229,000	229,000	229,000	229,000	229,000	229,000	229,000	230,000	230,000	230,000	230,000	230,000	230,000	230,000	230,000	230,000	3,749,445		
Vandalia Water Supply - Series B	B P&I 11/1, I 5/1	1,015,000	11/09/10	3.00%	783,000	21,000	762,000	22,000	22,000	21,000	21,000	21,000	21,000	22,000	22,000	22,000	22,000	22,000	22,000	22,000	22,000	22,000	22,000	22,000	22,000	23,000	23,000	23,000	23,000	24,000	24,000	25,000	25,000	26,000	762,000			
382.441.898.003 91-14 (USDA Rural Development)									22,000	21,000	21,000	21,000	21,000	22,000	22,000	22,000	22,000	22,000	22,000	22,000	22,000	22,000	22,000	22,000	22,000	23,000	23,000	23,000	23,000	24,000	24,000	25,000	25,000	26,000	26,000	27,000	762,000	
Village of Vandalia Sewer	B P&I 2/1, I 8/1	449,000	05/14/99	4.75%	275,000	11,000	264,000	11,000	11,000	11,000	11,000	11,000	12,000	12,000	12,000	12,000	13,000	13,000	13,000	13,000	13,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	10,000	10,000	10,000	10,000	1,000	1,000	264,000			
383.441.898.000 92-02 (USDA Rural Development)									11,000	11,000	11,000	11,000	12,000	12,000	12,000	13,000	13,000	13,000	13,000	13,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	10,000	10,000	10,000	10,000	1,000	1,000	136,188			
Ontwa Township Sewer Refunding	B	6,565,000	04/19/05	3.50%-4.75%	1,260,000	640,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000			
384.441.898.000 (Bank of New York)									620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	29,450		
Calvin Township (Paradise Lake) Sewer	B P&I 2/1, I 8/1	350,000	04/23/02	4.75%	255,000	8,000	247,000	9,000	9,000	9,000	9,000	9,000	9,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	247,000			
385.441.898.000 92-06 (USDA Rural Development)									9,000	9,000	9,000	9,000	9,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	143,333		
Porter Sewer Refunding Series 2011	B P&I 5/1, I 11/1	8,795,000	11/17/11	2.0%-4.0%	5,125,000	730,000	4,395,000	735,000	735,000	735,000	730,000	730,000	730,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	4,395,000			
386.441.898.000 (Bank of New York)									735,000	735,000	735,000	730,000	730,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	735,000	603,376		
PSC Sewer Refunding Series 2012	B P&I 5/1, I 11/1	1,360,000	03/29/12	2.00%-3.15%	715,000	115,000	600,000	110,000	110,000	110,000	105,000	100,000	75,000	18,113	14,813	11,513	8,363	5,363	2,363	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	600,000		
387.441.898.000 (Bank of New York)									110,000	110,000	105,000	100,000	75,000	18,113	14,813	11,513	8,363	5,363	2,363	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60,525		
Edwardsburg Sewer	B P&I 10/1, I 4/1	2,700,000	05/17/06	4.125%	1,357,400	39,200	1,318,200	40,200	40,200	40,200	41,200	42,200	43,200	43,200	44,200	44,200	44,200	45,200	46,200	46,200	47,200	48,200	49,200	49,200	50,200	51,200	52,200	53,200	54,200	55,200	56,200	57,200	58,000	1,318,200				
388.441.898.000 92-08 (USDA Rural Development)									40,200	40,200	41,200	42,200	43,200	43,200	44,200	44,200	45,200	46,200	46,200	47,200	48,200	49,200	49,200	50,200	51,200	52,200	53,200	54,200	55,200	56,200	57,200	58,000	58,000	58,000	58,000	812,305		
Lakes Area Sewer Authority	B P&I 5/1, I 11/1	9,400,000	09/01/09	3.50%	7,465,000	328,000	7,137,000	133,000	133,000	137,000	143,000	149,000	155,000	159,000	165,000	172,000	180,000	188,000	194,000	202,000	210,000	218,000	227,000	237,000	246,000	256,000	265,000	276,000	287,000	298,000	310,000	322,000	335,000	348,000	7,137,000			
389.441.898.000 92-10 (USDA Rural Development)									133,000	137,000	143,000	149,000	155,000	159,000	165,000	172,000	180,000	188,000	194,000	202,000	210,000	218,000	227,000	237,000	246,000	256,000	265,000	276,000	287,000	298,000	310,000	322,000	335,000	348,000	360,000	374,000	389,000	
Cedar Lake Sewer Series A	B P&I 5/1, I 11/1	1,716,000	08/15/13	2.75%	1,556,000	87,500	1,468,500	28,500	28,500	29,500	30,500	31,500	32,500	33,500	34,500	35,500	36,500	37,500	38,500	39,500	40,500	41,500	42,500	43,500	44,500	45,500	46,500	47,500	48,500	49,500	50,500	51,500	52,500	53,500	54,500	55,500		
Fund 489 92-17 92-15									28,500	29,500	30,500	31,500	32,500	33,500	34,500	35,500	36,500	37,500	38,500	39,500	40,500	41,500	42,500	43,500	44,500	45,500	46,500	47,500	48,500	49,500	50,500	51,500	52,500	53,500	54,500	55,500	56,500	57,500
389.441.898.000 92-10 (USDA Rural Development)									28,500	29,500	30,500	31,500	32,500	33,500	34,500	35,500	36,500	37,500	38,500	39,500	40,500	41,500	42,5															