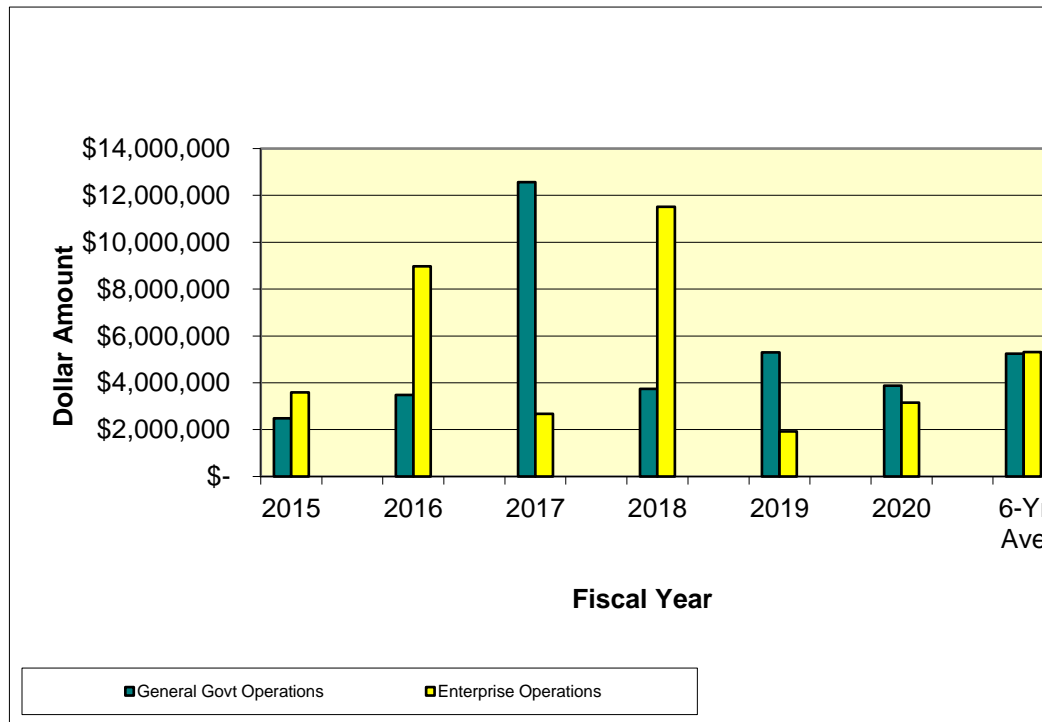


Appendix E
Capital Improvement
Plan

HOLLAND CHARTER TOWNSHIP
2015 - 2020 CAPITAL IMPROVEMENT PLAN (CIP)
Summary of Expenditures by Type of Operation

8/25/14

	Budget or Estimated 2014	Estimated Expenditures					Average Annual Estimated Expenditures for 2015-2020 6-Yr Ave	
		2015	2016	2017	2018	2019		2020
General Govt Operations	\$ 3,875,000	\$ 2,477,500	\$ 3,485,500	\$ 12,571,000	\$ 3,740,500	\$ 5,291,500	\$ 3,878,200	\$ 5,240,700
Water & Sewer Operations	<u>3,338,979</u>	<u>3,591,150</u>	<u>8,973,108</u>	<u>2,668,826</u>	<u>11,515,524</u>	<u>1,923,046</u>	<u>3,158,825</u>	<u>5,305,080</u>
Totals	<u>\$ 7,213,979</u>	<u>\$ 6,068,650</u>	<u>\$ 12,458,608</u>	<u>\$ 15,239,826</u>	<u>\$ 15,256,024</u>	<u>\$ 7,214,546</u>	<u>\$ 7,037,025</u>	<u>\$ 10,545,780</u>



HOLLAND CHARTER TOWNSHIP
2015- 2020 CAPITAL IMPROVEMENT PLAN (CIP)
Governmental Funds
Dated: 5-5-14

Fund	Function/Activity	Description	Actual 2013	Budget or Estimated 2014	Estimated Expenditures					Source of Funds	Estimated Added Operating Costs	
					2015	2016	2017	2018	2019			2020
101	General office & adm	Replace copy machine (acq 2011)	\$ -	\$ -	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	General opr	N/A
	Township hall	Minor building/furniture/equipment/impr(roof)	-	10,000	10,000	10,000	10,000	10,000	10,000	10,000	General opr	N/A
	Fire Department	Minor building, fire & rescue equip impr/repl	-	10,000	10,000	10,000	10,000	10,000	10,000	10,000	General opr	N/A
	Bicycle paths	Annual construction/overlays/engineering	122,704	286,000	306,000	506,000	280,000	280,000	280,000	280,000	Voted millage	N/A
	Bicycle paths	Replace tractor/equip	-	128,000	-	-	-	-	-	69,700	Voted millage	N/A
	Drains	Annual impr incl constr & engineering	-	75,000	80,000	155,000	125,000	100,000	105,000	110,000	General opr	N/A
	Roads	Annual impr & resurface incl constr & engineering	1,228,862	1,705,000	1,450,000	1,500,000	1,550,000	1,600,000	1,650,000	1,700,000	General opr	N/A
	Parks	Replace truck/mowing/maint equip	77,679	72,000	94,000	134,000	30,000	43,000	54,000	12,000	General opr	N/A
	Parks	Annual facility improve/replace	25,029	15,000	15,000	15,000	15,000	15,000	15,000	15,000	General opr	N/A
	Parks	Security surveillance equipment	-	5,000	5,000	5,000	5,000	5,000	5,000	5,000	General opr	500
	Parks	Dunton Park boat launch dredging	-	45,000	-	-	-	-	-	-	General opr	N/A
	Parks	Hawthorn Pond Natural Area improvements	-	70,000	-	-	-	-	-	-	\$50K Grant/\$25K Gen	1,500
	Total General Fund		<u>1,454,274</u>	<u>2,421,000</u>	<u>1,980,000</u>	<u>2,335,000</u>	<u>2,025,000</u>	<u>2,063,000</u>	<u>2,129,000</u>	<u>2,211,700</u>		
277	Request Foods CDBG	WW pretreatment facility (MEDC) Phase 2 - 2011	167,383	-	-	-	-	-	-	-	CDBG funds	N/A
298	Quincy Landfill	Landfill groundwater remediation impr	-	-	-	-	-	-	-	-	Fund Bal/Bonds	N/A
	Total Special Revenue Funds		<u>167,383</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>		
401	Cap Impr	Computer equip/system upgrades:										
		Hardware-PCs & printers	19,762	25,000	25,000	25,000	25,000	25,000	25,000	25,000	General opr	N/A
		Hardware-servers & network equipment	19,154	15,000	15,000	-	-	-	-	-	General opr	N/A
		Annual system maintenance & upgrades	-	5,000	5,000	5,000	5,000	5,000	5,000	5,000	General opr	N/A
		GIS system (non-utility functions)	-	5,000	5,000	5,000	5,000	5,000	5,000	5,000	General opr	N/A
		Pictometry aerial photography data updates	10,193	-	22,000	-	25,000	-	27,000	-	General opr	N/A
		Replace phone system (acquired 2005)	-	45,000	-	-	-	-	-	-	General opr	N/A
402	Fire Equip Repl	Replace fire trucks/vehicles	-	650,000	-	-	861,000	801,000	-	685,000	General opr	N/A
		Replace major equipment items	47,263	94,000	55,500	10,500	-	13,500	25,500	291,500	General opr	N/A
405	Building & Site	Acq of park land/greenway network land	-	-	-	-	-	-	-	-	General opr	N/A
		Roof replacements	-	-	-	45,000	75,000	48,000	-	5,000	General opr	N/A
		HVAC replacements	43,085	-	-	-	50,000	-	-	-	General opr	N/A
433	Dunton Park	Waterfront & beach area improvements	-	-	-	600,000	-	-	-	-	\$300K Grant/\$300K Gen	5,000
434	Helder Park	Dog park enclosure with site amenities	-	-	300,000	-	-	-	-	-	General opr	3,500
		Constr open field practice area south of 104th entr	-	-	-	-	-	-	-	175,000	General opr	5,000
435	Quincy Park	West play area, shelter, athletic field, foot bridge	588,290	-	-	-	-	-	-	-	General opr	2,500
		Paths, SB field impr & play area	2,071	400,000	-	-	-	-	-	-	General opr	3,000
		Picnic shelter near east play area	-	-	70,000	-	-	-	-	-	\$50K Grant/\$20K Gen	500
		Internal Drive & bridge linking to Quincy Street	-	-	-	460,000	-	-	-	-	General opr	3,000
		Community recreation center	-	-	-	-	9,500,000	-	-	-	General opr	400,000
		Add 2 soccer fields, parking & site improvements	-	-	-	-	-	780,000	-	-	General opr	10,000
		Add 3 adult softball fields, parking & site amenities	-	-	-	-	-	-	3,075,000	-	General opr	10,000
		East side restroom/concession building & utilities	-	-	-	-	-	-	-	375,000	General opr	5,000
		East side picnic shelter for soccer/playground area	-	-	-	-	-	-	-	100,000	General opr	500
472	Ind Park Cap Impr	Ind Pk infrastructure impr/road resurfacing	-	215,000	-	-	-	-	-	-	General opr/Fd Bal	N/A
	Total Capital Projects Funds		<u>729,818</u>	<u>1,454,000</u>	<u>497,500</u>	<u>1,150,500</u>	<u>10,546,000</u>	<u>1,677,500</u>	<u>3,162,500</u>	<u>1,666,500</u>		
	GRAND TOTALS		<u>\$ 2,351,475</u>	<u>\$ 3,875,000</u>	<u>\$ 2,477,500</u>	<u>\$ 3,485,500</u>	<u>\$ 12,571,000</u>	<u>\$ 3,740,500</u>	<u>\$ 5,291,500</u>	<u>\$ 3,878,200</u>	File: CIP-GOVT	

HOLLAND CHARTER TOWNSHIP
Estimated Expenditures for Drain and Road Capital Projects
Dated: 4-30-14

	2011 Actual	2012 Actual	2013 Actual	2014 Estimated	2015 Estimated	2016 Estimated	2017 Estimated	2018 Estimated	2019 Estimated	2020 Estimated
Drains*										
No. 24 Drain impr/culvert replacement (28.3%)	1,393	1,924	-	-	-	-	-	-	-	-
No. 30 Drain storm sewer impr/repl Riley St (46.9%)	-	-	-	-	-	-	-	-	-	-
No. 52 Drain impr/easements at Riley/Crystal Valley (85%)	-	13,611	-	-	-	-	-	-	-	-
No. 15 & 17 Drain improvements (25% to 30%)	2,518	19,465	-	-	-	-	-	-	-	-
96th Ave, South of Riley, OCRC storm sewer impr	-	-	-	-	-	-	-	-	-	-
Black Creek & Harlem Drains impr	13,417	13,196	-	-	-	-	-	-	-	-
Brower Drain impr, 100th to 104th (6.3%)	10,142	-	-	-	-	-	-	-	-	-
Brower Drain box culvert repl, east of 104th (33.3%)	47,540	-	-	-	-	-	-	-	-	-
DeLeeuw Drain impr/cleanout (25%)	96,500	-	-	-	-	-	-	-	-	-
JF Donnelly/Reflections Dr Drain - Ind Park (80%)	7,072	-	-	-	-	-	-	-	-	-
Holland Heights Drain impr/cleanout (2.7%)	-	-	-	-	-	-	-	-	-	-
Hunter's Creek Drain impr/cleanout (25%)	6,316	35,743	-	-	-	-	-	-	-	-
Osborne & Railroad Drain impr/cleanout	-	-	-	-	-	-	-	-	-	-
Tulip Inter-County Drain impr (6.2%)	4,875	5,732	-	-	-	-	-	-	-	-
Maplewood Inter-County Drain, Chapter 21 impr (2.1%)	525	-	-	-	-	70,000	40,000	-	-	-
Future Drain impr projects (also see R&M expense #930)	-	-	-	55,000	60,000	60,000	60,000	70,000	75,000	80,000
Other annual maint/impr assmts (also see R&M exp #930)	38,856	67,384	-	15,000	15,000	20,000	20,000	25,000	25,000	25,000
Construction & project engineering	1,783	951	-	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Totals for Drains	230,937	158,006	-	75,000	80,000	155,000	125,000	100,000	105,000	110,000
Roads**										
Right-of-way / Riley St widening, 112th to 100th	24,490	-	-	-	-	-	-	-	-	-
Traffic signals & pedestrian signals	-	5,883	-	-	-	-	-	-	-	-
Resurface 136th Ave, Butternut to Riley	-	314,756	-	-	-	-	-	-	-	-
Annual crack sealing and resurfacing projects	696,698	1,012,258	1,228,581	1,920,000	1,450,000	1,500,000	1,550,000	1,600,000	1,650,000	1,700,000
Construction & project engineering	1,552	29,137	281	-	-	-	-	-	-	-
Totals for Roads	722,740	1,362,034	1,228,862	1,920,000	1,450,000	1,500,000	1,550,000	1,600,000	1,650,000	1,700,000
Totals for Drains & Roads	953,677	1,520,040	1,228,862	1,995,000	1,530,000	1,655,000	1,675,000	1,700,000	1,755,000	1,810,000

* Notation on Drain System R&M expenditures:

Estimated Drain System Capital Project costs exclude repair & maintenance costs, which are recorded in the 930 expense account

Estimated R & M costs for years 2014 - 2020	42,345	80,000	85,000	90,000	95,000	100,000	105,000	110,000
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Estimated non-capital engineering cost for storm water system mapping project is recorded in the 816 expense account

	24,870	60,000	40,000	20,000
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** Notation on Road Resurfacing expenditures:

2014 road resurfacing funding sources by Fund

General Fund portion	1,705,000
Ind Park Cap Impr Fund portion (JF Donnelly Dr)	215,000
Total	1,920,000

HOLLAND CHARTER TOWNSHIP
Multi-Year Bike Path Construction Plan

Dated: 4-28-14

Project Description	Estimated Construction Cost (Excluding Engineering)					
	2012	2013	2014	2015	2016	2017+
112th Ave, Mason to Ottogan and Ottogan St, 104th to 112th	8,369	-	-	-	-	-
Adams St bridge over I-196 (HCT est share)	77,128	-	-	-	-	-
Felch, 120th to West Shore Dr (675' infill section on north side)	19,757	-	-	-	-	-
Ottogan St, 112th to Morningside Dr (1320' connector; \$43k HCT + \$12k HC = \$55k total)	60,113	-	-	-	-	-
Quincy St, 112th Avenue to Jim Kaat Ball Park (3800' extension: HCT est share is \$33k)	31,729	1,448	-	-	-	-
120th Ave & Hickoryrow Dr intersection path connections	-	15,363	-	-	-	-
Overlays & repairs (13,315 lineal feet) & some minor repairs	-	95,608	-	-	-	-
Riley St, Eagle Crest School to Roberts Way (2100' extension on south side of road)	-	-	145,000	-	-	-
Overlays & repairs (10,000 lineal feet) & some minor repairs	-	-	75,000	-	-	-
Greenly St, 112th Ave to 120th Ave (5,280' extension)	-	-	-	155,000	-	-
Overlays & repairs (10,000 lineal feet)	-	-	-	80,000	-	-
WI connector bridge (estimated HCT share, excluding opportunities for grants/private funds)	-	-	-	-	80,000	-
WI connector trails (estimated HCT share, excluding opportunities for grants/private funds)	-	-	-	-	80,000	-
WI connector Scotts Dr, paved shoulder E. River Hills to 129th, to Scotts Dr to Beeline	-	-	-	-	50,000	-
Pedestrian crossing improvements at US-31 & James, Felch, Riley intersections	-	-	-	-	100,000	-
Overlays & repairs (10,000 lineal feet)	-	-	-	-	80,000	-
BL196 & 112th intersection alignment changes/improvements	-	-	-	-	-	100,000
Quincy St, 136th to 112th (\$464,000 CMAQ grant funds projected for FY2019)	-	-	-	-	-	700,000
Ransom St, US-31 to 120th Ave	-	-	-	-	-	210,000
4' Paved shoulders @ \$25/ft for both sides; cost shared 50% OCRC / 50% HCT	-	-	-	-	-	tbd
Estimated Construction Cost	197,096	112,419	220,000	235,000	390,000	1,010,000
Estimated Engineering Cost (25%)	63,681	10,285	55,000	58,750	97,000	252,500
Additional Engineering Cost for Grant Projects	-	-	-	-	-	-
Estimated Contingency (5%)	-	-	11,000	11,750	19,000	50,500
Estimated Project Cost	260,777	122,704	286,000	305,500	506,000	1,313,000

Notations:

1. Adams St bridge over I-196: \$1,178,150 total cost with \$560,600 grants & \$617,550 HCT; constr in 2010-11
2. FY2012 Quincy St: Constr total is \$132,000 CMAQ + \$33,000 HCT = \$165,000; Engineer total is \$60,000
3. Periodic overlays/reconstruction of existing bike paths are estimated at a cost of \$5 per lineal foot.
4. O & M/other general expenditures is in the range of \$90,000 to \$110,000 per year.

HOLLAND CHARTER TOWNSHIP
Bike Path System Projection of Revenues, Expenditures and Ending Fund Balance

	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>FY2015</u>	<u>FY2016</u>
Fund Balance - January 1	248,404	395,806	602,108	515,308	543,808
Revenue Sources:					
Property taxes	474,305	418,789	429,000	438,000	440,000
Reimbursements - HC Ottogan extension project	9,559	-	-	-	-
Sale of fixed assets	-	-	-	-	-
Charges for services - ZCT O&M	<u>12,311</u>	<u>11,266</u>	<u>14,000</u>	<u>15,000</u>	<u>16,000</u>
Total Revenues	<u>496,175</u>	<u>430,055</u>	<u>443,000</u>	<u>453,000</u>	<u>456,000</u>
Expenditures:					
O&M expenditures	63,866	64,359	81,500	84,000	86,250
Other general expenditures	24,130	36,690	34,300	35,000	35,750
Construction engineering	63,681	10,285	66,000	70,500	116,000
Construction & improvements	197,096	112,419	220,000	235,000	390,000
Capital outlay - tractor/attachments replacement	-	-	<u>128,000</u>	-	-
Total Expenditures	<u>348,773</u>	<u>223,753</u>	<u>529,800</u>	<u>424,500</u>	<u>628,000</u>
Increase (Decrease) to Fund Balance	147,402	206,302	(86,800)	28,500	(172,000)
Fund Balance - December 31	<u>395,806</u>	<u>602,108</u>	<u>515,308</u>	<u>543,808</u>	<u>371,808</u>

Date: 4-28-14

File: Budget / Bike Path Costr Plan - Summary List 2014

HOLLAND CHARTER TOWNSHIP
Fixed Asset Replacement Schedule for Bike Paths, Parks and Recreation Functions
Equipment with Replacement Cost Greater Than \$5,000
Dated: 4-16-14

Description	Acq Year	Est Life	Repl Year	Acquired Cost	Current Repl (New)	Retirement Repl (New) at 3%/yr	Notations
1996 Broyhill 120-gal sprayer w/trailer	1996	20	2016	4,400	8,760	9,300	
1998 Toro slit seeder	1998	19	2017	4,615	8,440	9,200	
2001 Toro 660 Pro Core turf aerator	2001	13	2014	17,539	29,000	29,000	
1997 used Caterpillar fork lift	2002	15	2017	5,500	8,960	9,800	Replacement cost assumes acquisition of used fork lift
2002 Yazoo 48" zero turn mower	2002	7					Will not replace, current use at Helder West and Hawthorn Pond
2004 Ryan 18" sod cutter	2004	10	2014	3,500	5,100	5,100	
2004 Toro 2110 4x2 16hp utility vehicle	2004	10	2014	6,447	9,600	9,600	
2005 Holder tractor w/attach	2005	9	2014	59,513	128,000	128,000	
2005 Toro Z580 44" mower	2005	11	2016	3,808	5,900	6,300	
2006 Easy Dump 6' x 12' hydraulic dump trailer	2006	8	2014	5,595	7,400	7,400	
2008 Toro 4000-D 11' extra wide mower (diesel)	2008	7	2015 *	45,127	55,380	57,000	
2008 Toro Z400 23hp 52" mower	2008	8	2016	7,052	8,650	9,200	
2009 Exmark 60" zero turn mower	2009	5	2014 *	9,048	10,600	10,600	
2009 Kubota diesel 4WD tractor/bucket/backhoe	2009	10	2019 *	33,000	38,930	45,100	Replace tractor, loader, backhoe
2009 Toro 4000-D 11' extra wide mower (diesel)	2009	7	2016 *	47,254	55,380	58,800	
2009 Carryall Golf Cart	2009	10	2019	6,696	7,640	8,900	
2010 Exmark 60" zero turn mower	2010	5	2015	5,999	6,900	7,100	
2010 Bobcat Toolcat w/attachments	2010	10	2020	51,477	58,350	69,700	2010 tractor purchased w/attach
2010 GMC 3/4 ton 4WD pickup w/plow	2010	5	2015 *	25,482	28,840	29,700	
2011 Ford 3/4 ton 4WD pickup w/plow	2011	5	2016 *	26,436	28,840	30,600	
2011 Exmark 60" zero turn mower	2011	5	2016	8,799	10,610	11,300	Use at Quincy Park (2008 Z400 use at cemetery)
2011 Ferri ZME-155 5' offset mower	2011	5	2016	7,145	7,860	8,300	
2011 Exmark 60" zero turn mower	2012	5	2017	8,959	9,550	10,400	
2012 JAC Turf Truckmaster w/box & top dresser	2012	10	2022	23,955	25,440	32,200	
2013 Ford 3/4 ton 4WD pickup w/plow	2013	5	2018 *	27,071	28,840	32,500	
2012 Exmark 48" zero turn mower	2013	5	2018	8,159	9,060	10,200	Purchase for use in cemetery
2013 John Deere 4320 Tractor w/ bucket	2013	10	2023	29,990	30,900	40,300	
2013 Frontier 12' 6" tow behind mower	2013	10	2023	12,459	12,880	16,800	
2014 Pioneer BS5500 athletic field striper	2014	6	2020	9,480	9,480	11,300	
Totals				<u>504,505</u>	<u>655,290</u>	<u>713,700</u>	

Summary of Projected Replacement Costs by Year:

2014	199,180
2015	93,800
2016	133,800
2017	29,400
2018	42,700
2019	54,000
2020	81,000
2021	-
2022	32,200
2023	40,300
2024	-

* Acquired cost before trade-in applied

HOLLAND CHARTER TOWNSHIP
Fixed Asset Acquisition & Replacement Schedule for Fire Department Operations
Dated: 4-24-14

Description	Eng. No.	Acq Year	Est Life	Repl Year	Acquired Cost Plus Impr	Current Repl	Future Acq or Retire Repl
							4.0%/Yr
1995 Pierce 2500 Gal Tank Truck (pump '99)	1263	1995	25	2020	198,965	541,000	685,000
1996 Pierce 2500 Gal Tank Truck w/pump	1261	1996	18	2014	174,921	650,000	650,000
1997 Pierce Pumper	1222	1997	20	2017	355,387	765,000	861,000
2004 Pierce Aerial Pumper	1241	2004	20	2024	560,000	875,000	1,295,000
2005 Pierce Heavy Duty Rescue Truck	1272	2005	13	2018	452,808	685,000	801,000
2008 Ford F-350 Brush Truck	1281	2008	20	2028	63,983	83,000	144,000
2010 Pierce 100' Aerial Platform (demo)	1242	2012	25	2037	912,522	1,081,000	2,664,000
2012 Pierce Pumper	1223	2012	20	2032	550,832	650,000	1,317,000
Subtotal of Fire & Rescue Trucks					<u>3,269,418</u>	<u>5,330,000</u>	<u>8,417,000</u>
							3.0%/Yr
Replace ISI SCBA Air Packs (36)		2010	10	2020	164,445	185,500	221,500
1 Dual Band Radio on #1272 (80% Grant funded acq; repl 100%)		2010	10	2020	6,200	7,100	8,500
4 Dual Band VHF/800 Radios (80% Grant funded)		2010	10	2020	18,130	21,200	25,300
5 Portable MT1500 Radios (90% Grant funded)		2010	10	2020	6,500	7,200	8,600
6 Radios (partial grant funded)		2011	10	2021	5,270	11,600	14,300
10 Radios MT 1500		2011	10	2021	12,855	14,200	17,500
7 Radios PM 1500		2011	10	2021	10,532	11,600	14,300
12 MT-1500 radios; 8 V minitors		2012	10	2022	18,432	19,800	25,100
Turnout Gear (11 sets, excluding bunker boots)		2011	10	2021	19,450	21,400	26,300
Leather Bunker Boots (35 pairs)		2011	5	2016	8,700	9,600	10,200
Turnout Gear (15 sets)		2012	10	2022	24,990	24,600	31,200
Turnout Gear (15 sets)		2013	10	2023	23,640	24,600	32,100
Turnout Gear (15 sets)		Various	10	2014		26,300	26,300
Add 2 Thermal Imager Cameras (#1242 & 1272 trucks)			7	2014		23,800	23,800
2011 Bullard T4 Blue Thermal Imager Camera		2011	7	2018	11,295	11,900	13,400
2012 T4 Thermal Imager Camera		2012	7	2019	11,545	11,900	13,800
2013 Bullard T4N Thermal Imager Camera		2013	7	2020	11,795	11,900	14,200
2012 Defibrillators LP1000 AED (4)		2012	7	2019	9,345	10,000	11,600
2013 LifePak 1000 AED on fire trucks (5)		2013	7	2020	10,505	11,000	13,100
1999 Amkus Rescue Tool (power unit only)		1999	15	2014	25,000	43,500	43,500
2011 Genesis Extrication Tools (spreader, cutter, combi tools)		2011	10	2021	18,255	20,200	24,800
Used Air Compressor (to fill MSA cylinders)		2000	15	2015	22,315	53,800	55,400
Subtotal of Rescue & Other Equipment					<u>439,199</u>	<u>582,700</u>	<u>674,800</u>
Total Fire Department					<u>3,708,617</u>	<u>5,912,700</u>	<u>9,091,800</u>

HOLLAND CHARTER TOWNSHIP
2015 - 2020 CAPITAL IMPROVEMENT PLAN (CIP)
Enterprise Funds
Dated: 6-9-14

Fund	Function	Description	Actual 2013	Budget or Estimated 2014	Estimated Expenditures						Total Estimated 2015-2020
					2015	2016	2017	2018	2019	2020	
590	Sewer	Vehicle/equipment acq & repl	\$ 69,117	\$ 36,800	\$ 712,500	\$ 21,900	\$ 153,400	\$ 290,800	\$ 96,200	\$ 46,600	\$ 1,321,400
	Operating	Annual collection system impr	-	20,000	20,000	20,000	20,000	20,000	20,000	20,000	120,000
		Computer equip/system upgrades:									
		Hardware - server, PCs, printers	9,578	10,000	10,000	10,000	10,000	10,000	10,000	10,000	60,000
		Annual system maint & upgrades	-	5,000	5,000	5,000	5,000	5,000	5,000	5,000	30,000
		GIS system (utility functions)	-	10,000	10,000	10,000	10,000	10,000	10,000	10,000	60,000
		GPS	-	-	5,000	-	5,000	-	-	-	10,000
		Scada Radio upgrade	-	-	-	-	-	81,000	-	-	81,000
		Replace phone system (acquired in 2005)	-	8,000	-	-	-	-	-	-	-
		Roof replacements	-	86,000	-	-	-	-	-	-	-
		HVAC replacements	-	7,100	-	-	9,000	-	-	-	9,000
		Standby electric generators for lift stations	-	75,000	-	80,000	-	85,000	-	90,000	255,000
		System impr projects per detail schedule	104,790	1,635,625	493,418	1,838,450	1,256,332	2,179,227	766,111	1,561,878	8,095,416
		Zeeland WWTP wholesale capacity acq (25%)	-	250,000	500,000	762,500	-	-	-	-	1,262,500
		WWTP - improvement projects	523,984	-	-	-	-	-	-	-	-
		Total Sewer Opr - Consolidated System Fund	707,469	2,143,525	1,755,918	2,747,850	1,468,732	2,600,027	988,311	1,743,478	11,304,316
591	Water	Vehicle/equipment acq & repl	20,324	79,100	191,000	156,300	45,600	61,400	25,600	69,900	549,800
	Operating	Annual distr system impr	-	20,000	20,000	20,000	20,000	20,000	20,000	20,000	120,000
		Computer equip/system upgrades:									
		Hardware - server, PCs, printers	9,578	10,000	10,000	10,000	10,000	10,000	10,000	10,000	60,000
		Annual system maint & upgrades	-	5,000	5,000	5,000	5,000	5,000	5,000	5,000	30,000
		GIS system (utility functions)	-	10,000	10,000	10,000	10,000	10,000	10,000	10,000	60,000
		GPS	-	-	5,000	-	5,000	-	-	-	10,000
		Scada Radio upgrade	-	-	-	-	-	27,800	-	-	27,800
		Water meter reading system updgrade	5,966	15,000	5,000	-	10,000	-	10,000	-	25,000
		Replace phone system (acquired in 2005)	-	8,000	-	-	-	-	-	-	-
		Roof replacements	-	72,000	-	-	-	-	-	-	-
		HVAC replacements	-	7,100	-	-	9,000	-	-	-	9,000
		System impr projects per detail schedule	1,609,192	100,000	-	1,786,107	1,085,494	6,398,688	60,224	151,838	9,482,351
		Total Water Opr - Consolidated System Fund	1,645,060	326,200	246,000	1,987,407	1,200,094	6,505,088	168,624	266,738	10,373,951
528	HCT W/S	HCT water/sewer system extensions	-	-	-	-	-	-	-	-	-
& 529	Constr	Zeeland WWTP wholesale capacity acq (75%)	-	750,000	1,500,000	2,287,500	-	-	-	-	3,787,500
		Sewer impr projects per detail schedule	55,925	119,254	-	1,873,101	-	2,410,409	766,111	1,148,609	6,198,230
		Water impr projects per detail schedule	-	-	89,232	77,250	-	-	-	-	166,482
		Total HCT W/S System Construction Fund	55,925	869,254	1,589,232	4,237,851	-	2,410,409	766,111	1,148,609	10,152,212
		Total Consolidated Sys Opr Funds & HCT Constr Fund	2,408,454	3,338,979	3,591,150	8,973,108	2,668,826	11,515,524	1,923,046	3,158,825	31,830,479
Supplemental Information for Consolidated Sys Impr:											
Park Twp Portion of Impr Projects (not included above):											
		Sewer impr projects per detail schedule	-	8,820	-	-	-	84,388	-	413,269	497,657
		Water impr projects per detail schedule	-	-	-	77,250	-	-	561,971	274,355	913,576
				8,820	-	77,250	-	84,388	561,971	687,624	1,411,233
Zeeland Twp Portion of Impr Projects (not included above):											
		Sewer impr projects per detail schedule	-	725,051	-	382,440	1,256,332	-	-	-	1,638,772
		Water impr projects per detail schedule	-	-	-	-	-	-	-	-	-
				725,051	-	382,440	1,256,332	-	-	-	1,638,772

HOLLAND CHARTER TOWNSHIP
Equipment and Vehicles Replacement Schedule for Sewer and Water Operations
Dated: 4-2-14

VIN	Description	User Dept	User	Acq Year	Est Life	Repl Year	Acquired Cost	Current Repl	Retire Repl	Replacement Notations
Sewer Operations										
1883	2013 Ford 1/2 ton pickup	Sewer/Water	Chris	2013	6	2019	17,884	20,280	24,700	1/2 Ton
1884	2013 Ford 1/2 ton pickup	Sewer/Water	Clint	2013	6	2019	17,884	20,280	24,700	1/2 Ton
4019	2013 Ford 1 ton 4WD pickup w/box	Sewer	Scott	2013	6	2019	33,350	38,480	46,800	1 Ton 4WD w/box + plow
1835	2008 GMC 1/2 ton pickup	Sewer/Water	Parks	2008	7	2015	10,460	20,280	21,100	1/2 Ton
4120	2014 Ford 1/2 ton pickup	Sewer/Water	Aaron S	2014	6	2020	18,348	18,400	23,300	1/2 Ton
4118	2014 Ford 1/2 ton pickup	Sewer/Water	Aaron C	2014	6	2020	18,348	18,400	23,300	1/2 Ton
2379	2009 GMC 1/2 ton pickup	Sewer	Parks	2009	6	2015	13,244	20,280	21,100	1/2 Ton
9388	2009 Ford 3/4 ton 4WD pickup	Sewer/Water	Jeff L	2009	12	2021	25,207	28,080	37,000	3/4 Ton 4WD
7200	2010 GMC 1/2 ton pickup	Sewer/Water	Parks	2010	6	2016	11,589	20,280	21,900	1/2 Ton
2936	2011 Ford 1/2 ton pickup	Sewer	Parks	2011	6	2017	10,838	20,280	22,800	
0874	2003 Vactor vacuum sewer cleaner	Sewer	All	2003	12	2015	200,000	410,800	427,200	
211	2009 Freightliner crane truck	Sewer/Water	All	2008	10	2018	107,953	171,600	200,800	
0221	Ingersoll-Rand air compressor	Sewer/Water	All	2004	11	2015	12,365	17,472	18,200	
	Portable 6" bypass sewer pump	Sewer	All	2007	10	2017	29,843	39,104	44,000	
	Sewer pipe video camera	Sewer	All	2015	10	2025	N/A	187,200	194,700	
8994	Standby generator w/switching	Sewer/Water	HCT	1997	20	2017	28,591	76,960	86,600	125KV 250HP diesel engine
3754	Standby generator w/switching	Sewer/Water	ZCT	1998	20	2018	N/A	76,960	90,000	125KV 250HP diesel engine
	Vehicle for easement areas	Sewer/Water	All			2015	N/A	29,000	30,200	
Total Sewer Utility							<u>555,904</u>	<u>1,234,136</u>	<u>1,358,400</u>	
Water Operations										
3117	2003 Chev 3/4 ton 4WD pickup	Sewer	Spare	2003	12	2015	22,764	36,000	37,400	1 Ton 4WD w/ box
4498	2012 GMC 1/2 ton pickup	Water	Tom V	2012	6	2018	9,921	20,280	23,700	1/2 Ton
4197	2012 GMC 1/2 ton pickup	Water	Dennis	2012	6	2018	11,421	20,280	23,700	1/2 Ton
1549	2013 Chevy cargo van	Water	Alan	2013	6	2019	20,324	21,000	25,600	Cargo van
4122	2014 Ford 1/2 ton pickup	Water	Aaron N	2014	6	2020	18,348	18,400	23,300	1/2 Ton
4121	2014 Ford 1/2 ton pickup	Water	Nick	2014	6	2020	18,348	18,400	23,300	1/2 Ton
4119	2014 Ford 1/2 ton pickup	Sewer/Water	Jeff V	2014	6	2020	18,348	18,400	23,300	1/2 Ton
2735	2009 GMC 1/2 ton pickup	Water	Parks	2009	6	2015	12,244	20,280	21,100	1/2 Ton
7008	2010 GMC 1/2 ton pickup	Sewer/Water	Parks	2010	6	2016	11,889	20,280	21,900	1/2 Ton
4004	2010 GMC cargo van	Water	Safety	2010	6	2016	11,524	20,280	21,900	Cargo van
2935	2011 Ford 1/2 ton pickup	Sewer	Parks	2011	6	2017	9,788	20,280	22,800	1/2 Ton
2934	2011 Ford 1/2 ton pickup	Water	Parks	2011	6	2017	10,438	20,280	22,800	1/2 Ton
	Spin Doctor ERB Boom w/ trailer	Water		2014	15	2029	23,900	23,900	43,000	
4988	2000 International dump truck	Sewer/Water	All	2000	15	2015	55,475	127,400	132,500	Transfer to parks dept at repl
0726	2009 Caterpillar backhoe/loader	Sewer/Water	All	2009	7	2016	82,694	104,000	112,500	
4090	2003 Interstate equip trailer (haul backhoe)	Sewer/Water	All	2003	15	2018	8,410	11,960	14,000	
Total Water Utility							<u>345,836</u>	<u>521,420</u>	<u>592,800</u>	
Total Water and Sewer Operations							<u>901,740</u>	<u>1,755,556</u>	<u>1,951,200</u>	

General Notations:

Replacement schedule for pickup trucks assumes 12 trucks for Water/Sewer use & pass down of 8 trucks for parks/recr maintenance purposes. New trucks are purchased in Jan/Feb. Old trucks are traded in on new purchases or sold in late fall. Three 3/4 ton 4WD pickups for Parks & Grounds Dept are purchased and funded from General Fund.