

**Five-Year Capital Purchase Plan (2016-2020)
Vehicles and Equipment**

Project / Item	Total in fleet	New / Replace	2015 Budget	2015 Forecast	2016	2017	2018	2019	2020
Police Vehicles & Equipment-General Fund									
Patrol Cars (marked, unmarked, SUV's) 3 in 2015		R	115,500	141,300	126,000	132,300	136,300	140,400	144,600
Vans (SWAT, Detectives, <u>Animal Control in 2015</u>)		R	35,000	-	-				
SUBTOTAL POLICE - VEHICLES (47210)			150,500	141,300	126,000	132,300	136,300	140,400	144,600
TASER Program (24)		R	29,600	5,300					
Firearms - Patrol		R	21,000	11,000					
Digital Evidence Manager		N	5,000	5,000					
Vascar Units		R			8,000				
SUBTOTAL POLICE - EQUIPMENT (47400)			55,600	21,300	8,000	-	-	-	-
TOTAL POLICE V&E			206,100	162,600	134,000	132,300	136,300	140,400	144,600
Administration									
Ford Escape SE AWD Vehicles (2 total - A1 & A5)		R	25,000	23,150					
TOTAL ADMIN VEHICLES (47210)			25,000	23,150	-	-	-	-	-
Planning & Zoning									
Ford Escape SE AWD Vehicles (2 total - A6 & A7)		R	25,000	23,150	-	-			
TOTAL PLANNING & ZONING VEHICLES (47210)			25,000	23,150	-	-	-	-	-
Public Works Vehicles & Equipment - General Fund									
Pick up Truck (Public Works Director A-3)		R	50,000	50,000					
Ford F550 Dump Class (2016 w/ crew cab)		R	85,000	-	90,000	90,000	90,000	95,000	95,000
Replacement Cab for Rubber-Wheel Loader		R	50,000	-					
Rubber Wheel Loader		R		120,500					
38,000LB Dump Truck (6 Wheeler)		R			147,200			160,000	
Street sweeper		R				150,000			
10-Wheel Dump w/plow & spreader		N					175,000		190,000
SUBTOTAL PUB WORKS - VEHICLES (47210)			185,000	170,500	237,200	240,000	265,000	255,000	285,000

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Project / Item	Total in fleet	New / Replace	2015 Budget	2015 Forecast	2016	2017	2018	2019	2020
Public Works Vehicles & Equipment - General Fund (CONT'D)									
Mini Excavator		N			28,000				
GPS Tracking Devices		N			7,000				
Field Groomer		R	25,000	24,225					
11' field mower		R					75,000		
48" walk behind		R			5,500	5,500			
SUBTOTAL PUB WORKS - EQUIPMENT (47400)			25,000	24,225	40,500	5,500	75,000	-	-
TOTAL PUB WORKS V&E			210,000	194,725	277,700	245,500	340,000	255,000	285,000
TOTAL GENERAL FUND VEHICLES & EQUIPMENT			466,100	403,625	411,700	377,800	476,300	395,400	429,600
Public Works Vehicles & Equipment - Sewer									
Mini Excavator		N			28,000				
Security Cameras (\$3,500 to be allocated to VCTS)		N			16,000				
Crane Truck with Bucket		R	90,000	90,000					
Jet/flusher truck		R					200,000		
TOTAL SEWER FUND VEHICLES & EQUIPMENT			90,000	90,000	44,000	-	200,000	-	-
TOTAL FUNDING FOR VEHICLES & EQUIPMENT			556,100	493,625	455,700	377,800	676,300	395,400	429,600

**Five-Year Capital Purchase Plan (2016-2020)
Information Technology**

Project / Item	New / Replace	2015 Budget	2015 Forecast	2016	2017	2018	2019	2020
IT Network - General Fund								
Servers	R	6,000	5,575					
Workstations (PC, Laptops, Tablets)	N/R	15,000	15,000					
Upgrade Card Access System	R	35,500	35,500					
Network Backup System	R	10,200	7,500					
Security Camera System	N			22,000				
Keene Hall Upgrades	N			19,000				
Server Virtualization/Cloud	N				68,000			
SUBTOTAL IT - EQUIPMENT (47400)		66,700	63,575	41,000	68,000	-	-	-
TTTV (TV Studio)								
Control Room Hardware/Stoftware Upgrade	R	15,000	14,975	12,000				
		15,000	14,975	12,000	-	-	-	-
IT For Departments - General Fund								
Police: Mobile Data Video Recorder System (5 year lease)	R	32,110	32,110					
Development Reg: Scanner/Plotter (3 year lease)	N/R	3,300	3,300	3,300				
PW: GIS / inspection / work order software and tablets	N							
SUBTOTAL OTHER DEPARTMENTS - CAP IT (47200)		35,410	35,410	3,300	-	-	-	-
SUBTOTAL IT GENERAL FUND								
		117,110	113,960	56,300	68,000	-	-	-
TOTAL IT ANNUAL FUNDING								
		117,110	113,960	56,300	68,000	-	-	-

BREAKDOWN OF CAPITAL PURCHASE FUNDING	% of Total							
Large Transfer Tax Fund (Vehicles & Equipment)	80.4%	466,100	403,625	411,700	377,800	476,300	395,400	429,600
Grants (Equipment)	6.1%	15,000	14,975	31,000	-	-	-	-
<u>Capital Reserve (IT)</u>	<u>4.9%</u>	<u>102,110</u>	<u>98,985</u>	<u>25,300</u>	<u>68,000</u>	<u>-</u>	<u>-</u>	<u>-</u>
GF Subtotal	91.4%	583,210	517,585	468,000	445,800	476,300	395,400	429,600
TT SUF (Vehicles, Equipment, IT)	7.9%	90,000	90,000	40,500	-	200,000	-	-
VCTS (Vehicles, Equipment, IT)	0.7%	-	-	3,500	-	-	-	-
TOTAL	100.0%	673,210	607,585	512,000	445,800	676,300	395,400	429,600

Five-Year Capital Project Funding Plan (2016-2020)

PROJECT DESCRIPTION	Funding Source	2015 Forecast	Funding by Year					TOTAL COST
			2016	2017	2018	2019	2020	
Engineering								
Paoli Road Improvement Feasibility Study								
<i>Planning, design and construction of road improvements to improve vehicular, pedestrian and bicycle access to the new Paoli Transportation Center. (2016/2017 - TAP / 2017-2020 - East/West Central Roundabout)</i>								
Phase II - Design (80% US, 0-10% PA, 10-20% TT)	US				245,000			245,000
	TT	120,000	430,000	350,000	105,000			1,005,000
Phase III - Construction	US			1,097,360	750,000	3,000,000	4,000,000	8,847,360
	PA							-
	TT							-
Account # 37101-46100		120,000	430,000	1,447,360	1,100,000	3,000,000	4,000,000	10,097,360
Paoli Corridor Adaptive Traffic Signals (ARLE Grant)								
<i>Improve signal timing, reduce congestion, and deal with changing traffic issues throughout the Route 30 corridor in Paoli.</i>								
ARLE Grant (80%)	PA	24,000	544,000					568,000
Bonds/Cap Reserve	TT	6,000	136,000					142,000
Account # 37702-46100		30,000	680,000	-	-	-	-	710,000
Paoli Route 252/30 intersection improvements								
<i>Feasibility study, design and construction of roadway and signal improvements to improve vehicular, pedestrian and bicycle access on Route 252 at Route 30 intersection</i>								
Grants (80% US, 20% PA)	US	-	-					-
	PA	-	-					-
Bonds/Cap Reserve	TT	5,000	-					5,000
Account # 37102-46100		5,000	-	-	-	-	-	5,000
Township Bridge Rehabilitation								
<i>Rehabilitate and perform larger repairs and maintenance for various Township owned bridges (Chesterbrook Blvd, West Valley Rd, Richards Rd, Bradford Rd, Darby-Paoli Rd, Glenhardie Rd)</i>								
Bonds/Cap Reserve	TT	50,000	130,000	35,000	75,000	75,000	75,000	440,000
Account # 37703-46100		50,000	130,000	35,000	75,000	75,000	75,000	440,000
Howeville Road Bridge								
<i>Design and Construction of Bridge over Norfolk Southern Railroad Tracks</i>								
PA Grant	PA	-	480,000	600,000	600,000	-	-	1,680,000
Reimbursement	R	-	120,000	150,000	150,000	-	-	420,000
Account # 37704-46100		-	600,000	750,000	750,000	-	-	2,100,000

Five-Year Capital Project Funding Plan (2016-2020)

PROJECT DESCRIPTION	Funding Source	2015 Forecast	Funding by Year					TOTAL COST
			2016	2017	2018	2019	2020	
Crabby Creek Pedestrian Bridge <i>Replace the pedestrian bridge in Crabby Creek Park</i>								
Bonds/Cap Reserve	G		70,000					70,000
Account # 37705-46100		-	70,000	-	-	-	-	70,000
Trout Creek Stormwater Management Improvements <i>Implement Trout Creek stormwater study through facilities sized to collect area runoff and mitigate flooding downstream</i>								
USGS Study	TT							-
Teegarden Park Stormwater Basin	TT					35,000	250,000	285,000
Stormwater Basin Retrofit	TT		60,000	125,000	175,000			360,000
Gateway Shopping Center Retrofit	TT		-			65,000	500,000	565,000
Account # 37306-46100		-	60,000	125,000	175,000	100,000	750,000	1,210,000
Crabby Creek Stormwater Project <i>Work with Valley Creek Trustee Council (VCTC) to oversee/review/bid one stormwater management best management practices project in Upper Crabby Creek to decrease downstream runoff volume, rate of flow in Twp park & Little Valley Creek as well as runoff volume, and downstream erosion.</i>								
Schuykill River Heritage Area & VCTC Grant	G		200,000					200,000
Account # 37305-46100			200,000	-	-	-	-	200,000
VCTS: Trunk R,N / Darby Rd Pump Station sewer expansion <i>Upgrade of Darby Road Pump Station</i>								
	VCTS	-	100,000	900,000				1,000,000
Account # 03230-46100		-	100,000	900,000	-	-	-	1,000,000
VCTS: Emergency Rehabilitation Project <i>Emergency re-lining of the Wilson Road Force Main</i>								
	VCTS	478,800	15,000,000	250,000				15,728,800
Account # 03230-46100		478,800	15,000,000	250,000	-	-	-	15,728,800
Patriots Path <i>Design and construction of Cedar Hollow Spur (trail on former Warner Spur railroad line between Atwater office park and Cedar Hollow Park) and line striping on Chesterbrook Blvd.</i>								
Phase I - Design (100% Grants)	PA					200,000		200,000
Phase II - Construction (100% Grants)	PA						3,000,000	3,000,000
Account # 37307-46100						200,000	3,000,000	3,200,000

Five-Year Capital Project Funding Plan (2016-2020)

PROJECT DESCRIPTION	Funding Source	2015 Forecast	Funding by Year					TOTAL COST
			2016	2017	2018	2019	2020	
PUBLIC WORKS								
Annual road resurfacing program								
<i>Milling and paving of approximately 7.5% of roads each year and line painting</i>								
PA Grant (Liquid Fuels)/Bonds	PA	718,800	800,000	900,000	900,000	950,000	950,000	5,218,800
Bonds/Cap Reserve	TT	306,200	200,000	150,000	150,000	100,000	100,000	1,006,200
Account # 37104-46100		1,025,000	1,000,000	1,050,000	1,050,000	1,050,000	1,050,000	6,225,000
Chester Valley Trail Access								
<i>Construction of two access points onto the Chester Valley Trail</i>								
Bonds/Cap Reserve	TT	25,000	25,000					50,000
Account # 37107-46100		25,000	25,000	-	-	-	-	50,000
Court Resurfacing								
<i>Resurfacing of basketball and tennis courts at Township Parks</i>								
Bonds/Cap Reserve	TT	-	20,000	30,000	35,000	17,500	17,500	120,000
Account # 37106-46100		-	20,000	30,000	35,000	17,500	17,500	120,000
Wilson Farm Park Upgrades								
<i>2016 - Drainage on 90' Baseball Field 2018 - Replace soft surface all abilities playground due to cost of recurring yearly repairs, edges are roll and create tripping hazards for children, looking to replace current surface with a safer surface with less maintenance</i>								
Bonds/Cap Reserve	TT	-	20,000		55,000	-		75,000
Account # 37108-46100		-	20,000	-	55,000	-	-	75,000
Park Signs								
<i>Replace existing signs at all Township Parks</i>								
Bonds/Cap Reserve	TT	-	26,100	-	-	-	-	26,100
Account # 37106-46100		-	26,100	-	-	-	-	26,100
Storm sewer replacements/drainage improvements								
<i>Inlets, road grading, pipe upgrades, etc. to improve drainage</i>								
Bonds/Cap Reserve	TT	15,000	560,000	200,000	200,000	200,000	200,000	1,375,000
Account # 37103-46100		15,000	560,000	200,000	200,000	200,000	200,000	1,375,000
Sewer pipeline replacement/rehab								
<i>Replacing, lining pipes and manholes in Twp sewer system</i>								
SUF	TT SUF	30,000	170,000	100,000	100,000	100,000	100,000	600,000
Account # 02231-46100		30,000	170,000	100,000	100,000	100,000	100,000	600,000
Lancaster Ave & Glenn Ave pump station updates								
<i>Replace the generator, replace the exhaust system in the wet wells, replace trap doors for easier maintenance, update pumps</i>								
SUF	TT SUF	25,000	400,000	-				425,000
Account # 02231-46100		25,000	400,000	-	-	-	-	425,000

Five-Year Capital Project Funding Plan (2016-2020)

PROJECT DESCRIPTION	Funding Source	2015 Forecast	Funding by Year					TOTAL COST
			2016	2017	2018	2019	2020	
Station Avenue pump station redesign and update <i>Rebuild one pump per year, update structure to make it safe, redesign similar to Church Road pump station.</i>								
SUF	TT SUF	-	75,000	250,000	50,000			375,000
Account # 02231-46100		-	75,000	250,000	50,000	-	-	375,000
Walker Road bridge line relocation <i>Relocate sewer line around Walker Road Bridge per County request.</i>								
SUF	TT SUF	90,000	-					90,000
Account # 02231-46100		90,000	-	-	-	-	-	90,000
Wilson Road pump station								
General pump station upgrades	VCTS	77,000	-					77,000
Act 537 Plan Update	VCTS	80,000	172,150					252,150
Roof Replacement	VCTS	100,000	-					100,000
Internal Upgrades (Engineering, SCADA improvements, Re-size Pump 1 & 3, electrical replacement, NFPA 820 compliance, egress improvements)	VCTS	-	150,000	150,000	800,000	800,000		1,900,000
Account # 03230-46100		257,000	322,150	150,000	800,000	800,000	-	2,329,150
PUBLIC WORKS - ADMINISTRATION								
Township Building								
Front and Back steps replacement	TT	25,000	400,000					425,000
Digital Sign	TT	-	25,000	-				25,000
Carpeting	TT		25,000	75,000	75,000			175,000
Office fitouts	TT	5,000	10,000					15,000
HVAC Replacement	TT	20,000	-					20,000
Bonds/Cap Reserve		50,000	460,000	75,000	75,000	-	-	660,000
Account # 37801-47300								
LIBRARY								
Tredyffrin Public Library HVAC Renovations <i>Completely replace HVAC system</i>								
Bonds/Cap Reserve	TT	50,000	-					50,000
Account # 37701-47300		50,000	-	-	-	-	-	50,000
Tredyffrin Public Library - Capital Contribution <i>Contribution to cover capital projects at the Libraries</i>								
Cap Reserve	TT		25,000	10,000	10,000	10,000	10,000	65,000
Account # 37701-47300		-	25,000	10,000	10,000	10,000	10,000	65,000
GRAND TOTALS - PROJECTS		2,250,800	20,373,250	5,372,360	4,475,000	5,552,500	9,202,500	47,226,410

Five-Year Capital Project Funding Plan (2016-2020)

PROJECT DESCRIPTION	Funding Source	2015 Forecast	Funding by Year					TOTAL COST
			2016	2017	2018	2019	2020	
SUMMARY OF PROJECTS	% Total Cost							
STREETS/STORMWATER								
Paoli Road Improvement Feasibility Study	21.4%	120,000	430,000	1,447,360	1,100,000	3,000,000	4,000,000	10,097,360
Paoli Route 252/30 intersection improvements	0.0%	5,000	-	-	-	-	-	5,000
Trout Creek & Crabby Creek Stormwater Projects	3.0%	-	260,000	125,000	175,000	100,000	750,000	1,410,000
Paoli Corridor Adaptive Traffic Signals (ARLE Grant)	1.5%	30,000	680,000	-	-	-	-	710,000
Township Bridge Rehabilitation	0.9%	50,000	130,000	35,000	75,000	75,000	75,000	440,000
Howeville Road Bridge	4.4%	-	600,000	750,000	750,000	-	-	2,100,000
Crabby Creek Pedestrian Bridge	0.1%	-	70,000	-	-	-	-	70,000
Annual road resurfacing program	13.2%	1,025,000	1,000,000	1,050,000	1,050,000	1,050,000	1,050,000	6,225,000
Storm sewer replacements/drainage improvements	2.9%	15,000	560,000	200,000	200,000	200,000	200,000	1,375,000
SUBTOTAL	47.5%	1,245,000	3,730,000	3,607,360	3,350,000	4,425,000	6,075,000	22,432,360
PARKS/TRAILS								
Chester Valley Trail Access	0.1%	25,000	25,000	-	-	-	-	50,000
Court Resurfacing	0.3%	-	20,000	30,000	35,000	17,500	17,500	120,000
Park Signs	0.1%	-	26,100	-	-	-	-	26,100
Wilson Farm Park surface repairs/upgrades	0.2%	-	20,000	-	55,000	-	-	75,000
Patriots Path	6.8%	-	-	-	-	200,000	3,000,000	3,200,000
SUBTOTAL	7.3%	25,000	91,100	30,000	90,000	217,500	3,017,500	3,471,100
SANITARY SEWER								
VCTS: Trunk R,N / Darby Rd Pump Station sewer expansion	2.1%	-	100,000	900,000	-	-	-	1,000,000
Sewer pipeline replacement/rehab	1.3%	30,000	170,000	100,000	100,000	100,000	100,000	600,000
SUF: pump station redesign/upgrades	1.7%	25,000	475,000	250,000	50,000	-	-	800,000
Walker Road bridge line relocation	0.2%	90,000	-	-	-	-	-	90,000
VCTS - Emergency Relining of the Wilson Road Force Main	33.3%	478,800	15,000,000	250,000	-	-	-	15,728,800
VCTS - ACT 537 Plan Update	0.5%	80,000	172,150	-	-	-	-	252,150
VCTS - Wilson Road Pump station upgrades	4.2%	77,000	150,000	150,000	800,000	800,000	-	1,977,000
VCTS - Wilson Road Pump station roof replacement	0.2%	100,000	-	-	-	-	-	100,000
SUBTOTAL	43.5%	880,800	16,067,150	1,650,000	950,000	900,000	100,000	20,547,950
Township Building	1.4%	50,000	460,000	75,000	75,000	-	-	660,000
LIBRARIES								
Tredyffrin Public Library HVAC Renovations	0.1%	50,000	-	-	-	-	-	50,000
Tredyffrin Public Library - Capital Contribution	0.1%	-	25,000	10,000	10,000	10,000	10,000	65,000
SUBTOTAL	0.2%	50,000	25,000	10,000	10,000	10,000	10,000	115,000
TOTAL	100.0%	2,250,800	20,373,250	5,372,360	4,475,000	5,552,500	9,202,500	47,226,410

Five-Year Capital Project Funding Plan (2016-2020)

PROJECT DESCRIPTION	Funding Source	2015 Forecast	Funding by Year					TOTAL COST
			2016	2017	2018	2019	2020	
BREAKDOWN OF PROJECT FUNDING		% Total Cost						
US Grant	19.3%	-	-	1,097,360	995,000	3,000,000	4,000,000	9,092,360
PA Grant	22.6%	742,800	1,824,000	1,500,000	1,500,000	1,150,000	3,950,000	10,666,800
Other Grants	0.6%	-	270,000	-	-	-	-	270,000
TT Bonds / Reserves	13.2%	627,200	2,092,100	975,000	880,000	502,500	1,152,500	6,229,300
Other Reimbursements	0.9%	-	120,000	150,000	150,000	-	-	420,000
GF Subtotal	56.5%	1,370,000	4,306,100	3,722,360	3,525,000	4,652,500	9,102,500	26,678,460
TT SUF	3.2%	145,000	645,000	350,000	150,000	100,000	100,000	1,490,000
VCTS	40.4%	735,800	15,422,150	1,300,000	800,000	800,000	-	19,057,950
TOTAL	100.0%	2,250,800	20,373,250	5,372,360	4,475,000	5,552,500	9,202,500	47,226,410