

November 21, 2016 v2



# FIVE YEAR CAPITAL PLAN 2017 - 2022

RADNOR TOWNSHIP | 301 Iven Ave, Wayne, PA 19087

# **Radnor Township, PA**

## **Five Year Capital Plan**

---

Summary of Sources and Uses for each year | 2017-2022

**Radnor Township, PA**  
**Capital Improvement Plan**  
**Annual Sources and Uses Schedule**

	2017						Total All Funds
	02 Sanitary Sewer Fund	04 Storm Water Management Fund	03 Liquid Fuels Fund	05 Capital Improvement Fund	22 Park & Open Space Fund	23 Willows Fund	
<b>Beginning Cash Balance</b>	\$ -	\$ -	\$ -	\$ 1,159,535	\$ -	\$ -	\$ 1,159,535
Excess General Fund Balance Reallocation Policy <sup>3</sup>	-	-	-	450,959	-	-	450,959
Less: Carry forward Encumbrances from Prior Yr.	-	-	-	-	-	-	-
<b>Available Beginning Cash</b>	\$ -	\$ -	\$ -	\$ 1,610,494	\$ -	\$ -	\$ 1,610,494
<b>Funding Sources:</b>							
General:							
PEG / Radnor TV Funding	-	-	-	160,000	-	-	160,000
Interest Income	-	-	-	6,000	-	-	6,000
Sale of Property and Equipment	-	-	-	40,000	-	-	40,000
Contributions / Grants	-	-	-	-	-	-	-
Sewer Rent Fees	20,000	-	-	-	-	-	20,000
Storm Water Fees <sup>4</sup>	-	1,200,000	-	-	-	-	1,200,000
Liquid Fuels State Allocation	-	-	948,020	-	-	-	948,020
Real Estate Transfer (Open Space Dedicated) <sup>5</sup>	-	-	-	-	-	-	-
<b>Total Sources</b>	\$ 20,000	\$ 1,200,000	\$ 948,020	\$ 206,000	\$ -	\$ -	\$ 2,374,020
<b>Cash Balances Available for Capital Spending</b>	\$ 20,000	\$ 1,200,000	\$ 948,020	\$ 1,816,494	\$ -	\$ -	\$ 3,984,514
<b>Capital Plan Uses:</b>							
<b>Pay-As-You-Go Capital Group:</b>							
Department Vehicles and Equipment							
Police	-	-	-	131,700	-	-	131,700
Engineering	-	-	-	-	-	-	-
Public Works: Solid Waste	-	-	-	225,035	-	-	225,035
Public Works: Highway	-	-	-	248,458	-	-	248,458
Public Works: Park Maint.	-	-	-	175,300	-	-	175,300
Public Works: Sanitary Sewer	36,000	-	-	-	-	-	36,000
Community Development	-	-	-	-	-	-	-
Information Technology	-	-	-	61,300	-	-	61,300
PEG / Radnor TV	-	-	-	200,495	-	-	200,495
Fire Service Contributions	-	-	-	283,036	-	-	283,036
Park Improvements (Non-Bondable)	-	-	-	102,000	-	-	102,000
<b>Subtotal   Pay-as-you-go Total</b>	\$ 36,000	\$ -	\$ -	\$ 1,427,324	\$ -	\$ -	\$ 1,463,324
				1,221,324			
<b>Pay-As-You-Use Capital Group (Bondable):</b>							
Infrastructure Improvements							
Sanitary Sewer Improvements	20,000	-	-	-	-	-	20,000
Storm Water Management Improvements	-	1,200,000	-	-	-	-	1,200,000
Road and Bridge Improvements	-	-	948,020	341,980	-	-	1,290,000
Traffic Control Systems	-	-	-	500,000	-	-	500,000
Township Building and Grounds	-	-	-	35,000	-	-	35,000
Municipal Parking Lots	-	-	-	236,000	-	-	236,000
Willows Improvements	-	-	-	-	-	-	-
Library Facility Improvements	-	-	-	-	-	-	-
Special Assessment Improvements	-	-	-	-	-	-	-
Park Improvements (Bondable)	-	-	-	-	-	-	-
Trail Network Plan	-	-	-	-	-	-	-
<b>Subtotal   Pay-As-You-Use Capital Group</b>	\$ 20,000	\$ 1,200,000	\$ 948,020	\$ 1,112,980	\$ -	\$ -	\$ 3,281,000
<b>Grand Total of Capital Items</b>	\$ 56,000	\$ 1,200,000	\$ 948,020	\$ 2,540,304	\$ -	\$ -	\$ 4,744,324
<b>Ending Cash Balance before Tax Funding</b>	\$ -	\$ -	\$ -	\$ (723,810)	\$ -	\$ -	\$ 703,514
Tax Funding Need to Fund Program	-	-	-	1,184,229	-	-	1,184,229
<b>Ending Cash Balance</b>	\$ -	\$ -	\$ -	\$ 460,419	\$ -	\$ -	\$ 1,887,743

**Radnor Township, PA**  
**Capital Improvement Plan**  
**Annual Sources and Uses Schedule**

	2018						
	02 Sanitary Sewer Fund	04 Storm Water Management Fund	03 Liquid Fuels Fund	05 Capital Improvement Fund	22 Park & Open Space Fund	23 Willows Fund	Total All Funds
<b>Beginning Cash Balance</b>	\$ -	\$ -	\$ -	\$ 460,419	\$ -	\$ -	\$ 460,419
Excess General Fund Balance Reallocation Policy <sup>3</sup>	-	-	-	-	-	-	-
Less: Carry forward Encumbrances from Prior Yr.	-	-	-	-	-	-	-
<b>Available Beginning Cash</b>	\$ -	\$ -	\$ -	\$ 460,419	\$ -	\$ -	\$ 460,419
<b>Funding Sources:</b>							
General:							
PEG / Radnor TV Funding	-	-	-	160,000	-	-	160,000
Interest Income	-	-	-	6,000	-	-	6,000
Sale of Property and Equipment	-	-	-	20,000	-	-	20,000
Contributions / Grants	-	-	-	-	-	-	-
Sewer Rent Fees	210,000	-	-	-	-	-	210,000
Storm Water Fees <sup>4</sup>	-	800,000	-	-	-	-	800,000
Liquid Fuels State Allocation	-	-	841,049	-	-	-	841,049
Real Estate Transfer (Open Space Dedicated) <sup>5</sup>	-	-	-	-	-	-	-
<b>Total Sources</b>	\$ 210,000	\$ 800,000	\$ 841,049	\$ 186,000	\$ -	\$ -	\$ 2,037,049
<b>Cash Balances Available for Capital Spending</b>	\$ 210,000	\$ 800,000	\$ 841,049	\$ 646,419	\$ -	\$ -	\$ 2,497,468
<b>Capital Plan Uses:</b>							
<b>Pay-As-You-Go Capital Group:</b>							
Department Vehicles and Equipment							
Police	-	-	-	222,500	-	-	222,500
Engineering	-	-	-	-	-	-	-
Public Works: Solid Waste	-	-	-	257,589	-	-	257,589
Public Works: Highway	-	-	-	334,958	-	-	334,958
Public Works: Park Maint.	-	-	-	261,550	-	-	261,550
Public Works: Sanitary Sewer	36,000	-	-	-	-	-	36,000
Community Development	-	-	-	35,000	-	-	35,000
Information Technology	-	-	-	58,050	-	-	58,050
PEG / Radnor TV	-	-	-	187,400	-	-	187,400
Fire Service Contributions	-	-	-	283,036	-	-	283,036
Park Improvements (Non-Bondable)	-	-	-	19,000	-	-	19,000
<b>Subtotal   Pay-as-you-go Total</b>	\$ 36,000	\$ -	\$ -	\$ 1,659,083	\$ -	\$ -	\$ 1,695,083
				1,473,083			
<b>Pay-As-You-Use Capital Group (Bondable):</b>							
Infrastructure Improvements							
Sanitary Sewer Improvements	210,000	-	-	-	-	-	210,000
Storm Water Management Improvements	-	800,000	-	-	-	-	800,000
Road and Bridge Improvements	-	-	841,049	473,951	-	-	1,315,000
Traffic Control Systems	-	-	-	112,500	-	-	112,500
Township Building and Grounds	-	-	-	141,000	-	-	141,000
Municipal Parking Lots	-	-	-	50,000	-	-	50,000
Willows Improvements	-	-	-	-	-	-	-
Library Facility Improvements	-	-	-	-	-	-	-
Special Assessment Improvements	-	-	-	-	-	-	-
Park Improvements (Bondable)	-	-	-	-	-	-	-
Trail Network Plan	-	-	-	-	-	-	-
<b>Subtotal   Pay-As-You-Use Capital Group</b>	\$ 210,000	\$ 800,000	\$ 841,049	\$ 777,451	\$ -	\$ -	\$ 2,628,500
<b>Grand Total of Capital Items</b>	\$ 246,000	\$ 800,000	\$ 841,049	\$ 2,436,534	\$ -	\$ -	\$ 4,323,583
<b>Ending Cash Balance before Tax Funding</b>	\$ -	\$ -	\$ -	\$ (1,790,114)	\$ -	\$ -	\$ (131,032)
Tax Funding Need to Fund Program	-	-	-	2,290,114	-	-	2,290,114
<b>Ending Cash Balance</b>	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ 2,159,082

**Radnor Township, PA**  
**Capital Improvement Plan**  
**Annual Sources and Uses Schedule**

	2019						
	02 Sanitary Sewer Fund	04 Storm Water Management Fund	03 Liquid Fuels Fund	05 Capital Improvement Fund	22 Park & Open Space Fund	23 Willows Fund	Total All Funds
<b>Beginning Cash Balance</b>	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ 500,000
Excess General Fund Balance Reallocation Policy <sup>3</sup>	-	-	-	-	-	-	-
Less: Carry forward Encumbrances from Prior Yr.	-	-	-	-	-	-	-
<b>Available Beginning Cash</b>	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ 500,000
<b>Funding Sources:</b>							
General:							
PEG / Radnor TV Funding	-	-	-	160,000	-	-	160,000
Interest Income	-	-	-	6,000	-	-	6,000
Sale of Property and Equipment	-	-	-	20,000	-	-	20,000
Contributions / Grants	-	-	-	-	-	-	-
Sewer Rent Fees	585,000	-	-	-	-	-	585,000
Storm Water Fees <sup>4</sup>	-	677,035	-	-	-	-	677,035
Liquid Fuels State Allocation	-	-	762,300	-	-	-	762,300
Real Estate Transfer (Open Space Dedicated) <sup>5</sup>	-	-	-	-	-	-	-
<b>Total Sources</b>	\$ 585,000	\$ 677,035	\$ 762,300	\$ 186,000	\$ -	\$ -	\$ 2,210,335
<b>Cash Balances Available for Capital Spending</b>	\$ 585,000	\$ 677,035	\$ 762,300	\$ 686,000	\$ -	\$ -	\$ 2,710,335
<b>Capital Plan Uses:</b>							
<b>Pay-As-You-Go Capital Group:</b>							
Department Vehicles and Equipment							
Police	-	-	-	306,670	-	-	306,670
Engineering	-	-	-	-	-	-	-
Public Works: Solid Waste	-	-	-	218,300	-	-	218,300
Public Works: Highway	-	-	-	243,300	-	-	243,300
Public Works: Park Maint.	-	-	-	175,000	-	-	175,000
Public Works: Sanitary Sewer	122,200	-	-	-	-	-	122,200
Community Development	-	-	-	-	-	-	-
Information Technology	-	-	-	31,300	-	-	31,300
PEG / Radnor TV	-	-	-	132,360	-	-	132,360
Fire Service Contributions	-	-	-	283,036	-	-	283,036
Park Improvements (Non-Bondable)	-	-	-	178,000	-	-	178,000
<b>Subtotal   Pay-as-you-go Total</b>	\$ 122,200	\$ -	\$ -	\$ 1,567,966	\$ -	\$ -	\$ 1,690,166
				1,381,966			
<b>Pay-As-You-Use Capital Group (Bondable):</b>							
Infrastructure Improvements							
Sanitary Sewer Improvements	585,000	-	-	-	-	-	585,000
Storm Water Management Improvements	-	677,035	-	-	-	-	677,035
Road and Bridge Improvements	-	-	762,300	602,700	-	-	1,365,000
Traffic Control Systems	-	-	-	522,000	-	-	522,000
Township Building and Grounds	-	-	-	136,000	-	-	136,000
Municipal Parking Lots	-	-	-	250,000	-	-	250,000
Willows Improvements	-	-	-	-	-	-	-
Library Facility Improvements	-	-	-	-	-	-	-
Special Assessment Improvements	-	-	-	-	-	-	-
Park Improvements (Bondable)	-	-	-	-	-	-	-
Trail Network Plan	-	-	-	-	-	-	-
<b>Subtotal   Pay-As-You-Use Capital Group</b>	\$ 585,000	\$ 677,035	\$ 762,300	\$ 1,510,700	\$ -	\$ -	\$ 3,535,035
<b>Grand Total of Capital Items</b>	\$ 707,200	\$ 677,035	\$ 762,300	\$ 3,078,666	\$ -	\$ -	\$ 5,225,201
<b>Ending Cash Balance before Tax Funding</b>	\$ -	\$ -	\$ -	\$ (2,392,666)	\$ -	\$ -	\$ (824,700)
Tax Funding Need to Fund Program	-	-	-	2,892,666	-	-	2,892,666
<b>Ending Cash Balance</b>	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ 2,067,966
				\$ (1,324,700)			

**Radnor Township, PA**  
**Capital Improvement Plan**  
**Annual Sources and Uses Schedule**

	2020						
	02 Sanitary Sewer Fund	04 Storm Water Management Fund	03 Liquid Fuels Fund	05 Capital Improvement Fund	22 Park & Open Space Fund	23 Willows Fund	Total All Funds
<b>Beginning Cash Balance</b>	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ 500,000
Excess General Fund Balance Reallocation Policy <sup>3</sup>	-	-	-	-	-	-	-
Less: Carry forward Encumbrances from Prior Yr.	-	-	-	-	-	-	-
<b>Available Beginning Cash</b>	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ 500,000
<b>Funding Sources:</b>							
General:							
PEG / Radnor TV Funding	-	-	-	160,000	-	-	\$ 160,000
Interest Income	-	-	-	6,000	-	-	\$ 6,000
Sale of Property and Equipment	-	-	-	20,000	-	-	\$ 20,000
Contributions / Grants	-	-	-	-	-	-	\$ -
Sewer Rent Fees	745,000	-	-	-	-	-	\$ 745,000
Storm Water Fees <sup>4</sup>	-	677,035	-	-	-	-	\$ 677,035
Liquid Fuels State Allocation	-	-	784,083	-	-	-	\$ 784,083
Real Estate Transfer (Open Space Dedicated) <sup>5</sup>	-	-	-	-	-	-	\$ -
<b>Total Sources</b>	<b>\$ 745,000</b>	<b>\$ 677,035</b>	<b>\$ 784,083</b>	<b>\$ 186,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,392,118</b>
<b>Cash Balances Available for Capital Spending</b>	<b>\$ 745,000</b>	<b>\$ 677,035</b>	<b>\$ 784,083</b>	<b>\$ 686,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,892,118</b>
<b>Capital Plan Uses:</b>							
<b>Pay-As-You-Go Capital Group:</b>							
Department Vehicles and Equipment							
Police	-	-	-	368,500	-	-	\$ 368,500
Engineering	-	-	-	-	-	-	\$ -
Public Works: Solid Waste	-	-	-	263,300	-	-	\$ 263,300
Public Works: Highway	-	-	-	387,300	-	-	\$ 387,300
Public Works: Park Maint.	-	-	-	221,050	-	-	\$ 221,050
Public Works: Sanitary Sewer	112,200	-	-	-	-	-	\$ 112,200
Community Development	-	-	-	-	-	-	\$ -
Information Technology	-	-	-	26,300	-	-	\$ 26,300
PEG / Radnor TV	-	-	-	136,750	-	-	\$ 136,750
Fire Service Contributions	-	-	-	283,036	-	-	\$ 283,036
Park Improvements (Non-Bondable)	-	-	-	307,000	-	-	\$ 307,000
<b>Subtotal   Pay-as-you-go Total</b>	<b>\$ 112,200</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,993,236</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,105,436</b>
				1,807,236			
<b>Pay-As-You-Use Capital Group (Bondable):</b>							
Infrastructure Improvements							
Sanitary Sewer Improvements	745,000	-	-	-	-	-	\$ 745,000
Storm Water Management Improvements	-	677,035	-	-	-	-	\$ 677,035
Road and Bridge Improvements	-	-	784,083	380,917	-	-	\$ 1,165,000
Traffic Control Systems	-	-	-	300,000	-	-	\$ 300,000
Township Building and Grounds	-	-	-	175,000	-	-	\$ 175,000
Municipal Parking Lots	-	-	-	20,000	-	-	\$ 20,000
Willows Improvements	-	-	-	-	-	-	\$ -
Library Facility Improvements	-	-	-	-	-	-	\$ -
Special Assessment Improvements	-	-	-	-	-	-	\$ -
Park Improvements (Bondable)	-	-	-	311,000	-	-	\$ 311,000
Trail Network Plan	-	-	-	-	-	-	\$ -
<b>Subtotal   Pay-As-You-Use Capital Group</b>	<b>\$ 745,000</b>	<b>\$ 677,035</b>	<b>\$ 784,083</b>	<b>\$ 1,186,917</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,393,035</b>
<b>Grand Total of Capital Items</b>	<b>\$ 857,200</b>	<b>\$ 677,035</b>	<b>\$ 784,083</b>	<b>\$ 3,180,153</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,498,471</b>
<b>Ending Cash Balance before Tax Funding</b>	\$ -	\$ -	\$ -	\$ (2,494,153)	\$ -	\$ -	\$ (500,917)
Tax Funding Need to Fund Program	-	-	-	2,994,153	-	-	\$ 2,994,153
<b>Ending Cash Balance</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,493,236</b>

**Radnor Township, PA**  
**Capital Improvement Plan**  
**Annual Sources and Uses Schedule**

	2021						Total All Funds
	02 Sanitary Sewer Fund	04 Storm Water Management Fund	03 Liquid Fuels Fund	05 Capital Improvement Fund	22 Park & Open Space Fund	23 Willows Fund	
<b>Beginning Cash Balance</b>	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ 500,000
Excess General Fund Balance Reallocation Policy <sup>3</sup>	-	-	-	-	-	-	-
Less: Carry forward Encumbrances from Prior Yr.	-	-	-	-	-	-	-
<b>Available Beginning Cash</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 500,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 500,000</u>
<b>Funding Sources:</b>							
General:							
PEG / Radnor TV Funding	-	-	-	160,000	-	-	\$ 160,000
Interest Income	-	-	-	6,000	-	-	\$ 6,000
Sale of Property and Equipment	-	-	-	20,000	-	-	\$ 20,000
Contributions / Grants	-	-	-	-	-	-	\$ -
Sewer Rent Fees	1,345,000	-	-	-	-	-	\$ 1,345,000
Storm Water Fees <sup>4</sup>	-	677,035	-	-	-	-	\$ 677,035
Liquid Fuels State Allocation	-	-	806,410	-	-	-	\$ 806,410
Real Estate Transfer (Open Space Dedicated) <sup>5</sup>	-	-	-	-	-	-	\$ -
<b>Total Sources</b>	<u>\$ 1,345,000</u>	<u>\$ 677,035</u>	<u>\$ 806,410</u>	<u>\$ 186,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 3,014,445</u>
<b>Cash Balances Available for Capital Spending</b>	<u>\$ 1,345,000</u>	<u>\$ 677,035</u>	<u>\$ 806,410</u>	<u>\$ 686,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 3,514,445</u>
<b>Capital Plan Uses:</b>							
<b>Pay-As-You-Go Capital Group:</b>							
Department Vehicles and Equipment							
Police	-	-	-	200,500	-	-	\$ 200,500
Engineering	-	-	-	-	-	-	\$ -
Public Works: Solid Waste	-	-	-	268,300	-	-	\$ 268,300
Public Works: Highway	-	-	-	267,300	-	-	\$ 267,300
Public Works: Park Maint.	-	-	-	128,800	-	-	\$ 128,800
Public Works: Sanitary Sewer	40,200	-	-	-	-	-	\$ 40,200
Community Development	-	-	-	35,000	-	-	\$ 35,000
Information Technology	-	-	-	41,300	-	-	\$ 41,300
PEG / Radnor TV	-	-	-	137,600	-	-	\$ 137,600
Fire Service Contributions	-	-	-	283,036	-	-	\$ 283,036
Park Improvements (Non-Bondable)	-	-	-	96,000	-	-	\$ 96,000
<b>Subtotal   Pay-as-you-go Total</b>	<u>\$ 40,200</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 1,457,836</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 1,498,036</u>
				1,271,836			
<b>Pay-As-You-Use Capital Group (Bondable):</b>							
Infrastructure Improvements							
Sanitary Sewer Improvements	1,345,000	-	-	-	-	-	\$ 1,345,000
Storm Water Management Improvements	-	677,035	-	-	-	-	\$ 677,035
Road and Bridge Improvements	-	-	806,410	408,590	-	-	\$ 1,215,000
Traffic Control Systems	-	-	-	220,000	-	-	\$ 220,000
Township Building and Grounds	-	-	-	-	-	-	\$ -
Municipal Parking Lots	-	-	-	-	-	-	\$ -
Willows Improvements	-	-	-	-	-	-	\$ -
Library Facility Improvements	-	-	-	-	-	-	\$ -
Special Assessment Improvements	-	-	-	-	-	-	\$ -
Park Improvements (Bondable)	-	-	-	350,000	-	-	\$ 350,000
Trail Network Plan	-	-	-	-	-	-	\$ -
<b>Subtotal   Pay-As-You-Use Capital Group</b>	<u>\$ 1,345,000</u>	<u>\$ 677,035</u>	<u>\$ 806,410</u>	<u>\$ 978,590</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 3,807,035</u>
<b>Grand Total of Capital Items</b>	<u>\$ 1,385,200</u>	<u>\$ 677,035</u>	<u>\$ 806,410</u>	<u>\$ 2,436,426</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 5,305,071</u>
<b>Ending Cash Balance before Tax Funding</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ (1,750,426)</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ (292,590)</u>
Tax Funding Need to Fund Program	-	-	-	2,250,426	-	-	\$ 2,250,426
<b>Ending Cash Balance</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 500,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 1,957,836</u>

**Radnor Township, PA**  
**Capital Improvement Plan**  
**Annual Sources and Uses Schedule**

	2022						
	02 Sanitary Sewer Fund	04 Storm Water Management Fund	03 Liquid Fuels Fund	05 Capital Improvement Fund	22 Park & Open Space Fund	23 Willows Fund	Total All Funds
<b>Beginning Cash Balance</b>	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ 500,000
Excess General Fund Balance Reallocation Policy <sup>3</sup>	-	-	-	-	-	-	-
Less: Carry forward Encumbrances from Prior Yr.	-	-	-	-	-	-	-
<b>Available Beginning Cash</b>	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ 500,000
<b>Funding Sources:</b>							
General:							
PEG / Radnor TV Funding	-	-	-	160,000	-	-	\$ 160,000
Interest Income	-	-	-	6,000	-	-	\$ 6,000
Sale of Property and Equipment	-	-	-	20,000	-	-	\$ 20,000
Contributions / Grants	-	-	-	-	-	-	\$ -
Sewer Rent Fees	145,000	-	-	-	-	-	\$ 145,000
Storm Water Fees <sup>4</sup>	-	677,035	-	-	-	-	\$ 677,035
Liquid Fuels State Allocation	-	-	829,295	-	-	-	\$ 829,295
Real Estate Transfer (Open Space Dedicated) <sup>5</sup>	-	-	-	-	-	-	\$ -
<b>Total Sources</b>	\$ 145,000	\$ 677,035	\$ 829,295	\$ 186,000	\$ -	\$ -	\$ 1,837,330
<b>Cash Balances Available for Capital Spending</b>	\$ 145,000	\$ 677,035	\$ 829,295	\$ 686,000	\$ -	\$ -	\$ 2,337,330
<b>Capital Plan Uses:</b>							
<b>Pay-As-You-Go Capital Group:</b>							
Department Vehicles and Equipment							
Police	-	-	-	308,500	-	-	\$ 308,500
Engineering	-	-	-	-	-	-	\$ -
Public Works: Solid Waste	-	-	-	255,000	-	-	\$ 255,000
Public Works: Highway	-	-	-	184,600	-	-	\$ 184,600
Public Works: Park Maint.	-	-	-	-	-	-	\$ -
Public Works: Sanitary Sewer	40,200	-	-	-	-	-	\$ 40,200
Community Development	-	-	-	35,000	-	-	\$ 35,000
Information Technology	-	-	-	33,300	-	-	\$ 33,300
PEG / Radnor TV	-	-	-	130,400	-	-	\$ 130,400
Fire Service Contributions	-	-	-	283,036	-	-	\$ 283,036
Park Improvements (Non-Bondable)	-	-	-	30,000	-	-	\$ 30,000
<b>Subtotal   Pay-as-you-go Total</b>	\$ 40,200	\$ -	\$ -	\$ 1,259,836	\$ -	\$ -	\$ 1,300,036
				1,073,836			
<b>Pay-As-You-Use Capital Group (Bondable):</b>							
Infrastructure Improvements							
Sanitary Sewer Improvements	145,000	-	-	-	-	-	\$ 145,000
Storm Water Management Improvements	-	677,035	-	-	-	-	\$ 677,035
Road and Bridge Improvements	-	-	829,295	335,705	-	-	\$ 1,165,000
Traffic Control Systems	-	-	-	-	-	-	\$ -
Township Building and Grounds	-	-	-	225,000	-	-	\$ 225,000
Municipal Parking Lots	-	-	-	26,000	-	-	\$ 26,000
Willows Improvements	-	-	-	-	-	-	\$ -
Library Facility Improvements	-	-	-	-	-	-	\$ -
Special Assessment Improvements	-	-	-	-	-	-	\$ -
Park Improvements (Bondable)	-	-	-	700,000	-	-	\$ 700,000
Trail Network Plan	-	-	-	-	-	-	\$ -
<b>Subtotal   Pay-As-You-Use Capital Group</b>	\$ 145,000	\$ 677,035	\$ 829,295	\$ 1,286,705	\$ -	\$ -	\$ 2,938,035
<b>Grand Total of Capital Items</b>	\$ 185,200	\$ 677,035	\$ 829,295	\$ 2,546,541	\$ -	\$ -	\$ 4,238,071
<b>Ending Cash Balance before Tax Funding</b>	\$ -	\$ -	\$ -	\$ (1,860,541)	\$ -	\$ -	\$ (600,705)
Tax Funding Need to Fund Program	-	-	-	2,360,541	-	-	\$ 2,360,541
<b>Ending Cash Balance</b>	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ 1,759,836



# Radnor Township, PA

## Five Year Capital Plan

---

### Police Department

- Vehicles
- Equipment

**Radnor Township, PA**  
 Departmental Capital Replacement Plan  
 As Amended with the 2017 Budget

COST (at 2016 values)												
VEH #	YEAR	CURRENT MODEL	YEARS/ MILEAGE	UL YR/MILE	DIVISION / UNIT	REPLACEMENT VEHICLE MAKE / MODEL	2017	2018	2019	2020	2021	2022
<b>POLICE DEPARTMENT</b>												
2	2016	EXD	6,696	75,000	Patrol	Ford Expedition			41,000			41,000
6	2011	SED	49,207	75,000	Patrol	Dodge Charger				40,000		
8	2015	EXP	43,548	75,000	Patrol	Ford Explorer			40,000			40,000
9	2015	EXP	42,178	75,000	Patrol	Ford Explorer		40,000			40,000	
10	2013	VAN	32,762	75,000	Patrol	Ford Wagon Van				60,000		
11	2015	EXP	34,364	75,000	Patrol	Ford Explorer		40,000			40,000	
12	2014	EXP	48,924	75,000	Patrol	Ford Explorer			40,000			40,000
16	2015	TAU	39,960	75,000	Patrol	Ford Taurus				40,000		40,000
17	2015	EXP	29,332	75,000	Patrol	Ford Explorer		40,000			40,000	
18	2014	EXD	61,487	75,000	Patrol	Ford Expedition	40,000				40,000	
P2	2016	ESC	2,454	75,000	Traffic	Ford Escape						
P1	2014	FOC	16,393	75,000	Traffic	Focus HatchBack						40,000
H1	2014	EXP	16,695	75,000	Traffic	Ford Explorer		40,000				40,000
T2	2001	VAN	94,714	75,000	Traffic	Full Size Van				75,500		
H2	2016	PU	1,024	75,000	Traffic	Full Size Truck						
TR	2007	TR	NA	NA	Traffic	Trailer			12,000			
STR	2014	TR	NA	NA	Traffic	Dig Speed/Info					10,000	
D1	2014	EXP	43,377	75,000	Detective	Ford Exp. Crime Scene					24,000	
D2	2014	TAU	18,708	75,000	Detective	Ford Taurus (AWD)						24,000
D3	2014	TAU	12,444	75,000	Detective	Ford Taurus (AWD)						24,000
D4	2014	TAU	19,279	75,000	Detective	Ford Taurus (AWD)			32,000			
D5	2010	EXD	77,472	75,000	Detective	Ford Expedition				41,000		
1	2008	EXP	67,852	75,000	Chief	Ford Explorer			33,170			
M1	2013	MC	11,946	75,000	Traffic	Motorcycle						38,000
M2	2013	MC	19,827	75,000	Traffic	Motorcycle						
M3	2013	MC	9,862	75,000	Traffic	Motorcycle						
M4	2015	MC	1,237	75,000	Traffic	Motorcycle						
K1	2014	LR	36,717	75,000	Patrol	K9 Unit						
K2	2010	CV	Unknown	75,000	Patrol	K9 Unit						
<b>POLICE DEPARTMENT - TOTAL</b>							<b>\$ 40,000</b>	<b>\$ 160,000</b>	<b>\$ 198,170</b>	<b>\$ 256,500</b>	<b>\$ 194,000</b>	<b>\$ 303,000</b>
<b>POLICE DEPARTMENT SPECIALTY ITEMS/EQUIPMENT/VEHICLES/IT</b>												
LIGHTING / K9 PACKAGE												
INVESTIGATIONS UNIT FORENSIC FURNITURE												
COMMAND LAPTOPS							4,000		4,000		4,000	
BALLISTIC VESTS							2,500	2,500	2,500	2,500	2,500	2,500
(6) RADAR SPEED BOARDS												
PARKING KIOSKS (2013 Install x3)												
PARKING KIOSKS (2015 Install x55)												
FUTURE PARKING KIOSKS/METERS												
HAND GUNS \ HOLSTERS \ FLASHLIGHTS (MOUNTED)							12,700			50,000		
LONG RIFLES								5,000				
(15) MOBILE DATA TERMINAL UPGRADES FOR POLICE CARS												
(2) COMMAND BOXES												
(2) BICYCLES												
ALERT SERVER								3,000				3,000
ALTMATIC LICENSE PLATE RECOGNITION												
POLICE MOBILE RADIOS												
AIR SOFT TRAINING MUNITIONS										7,500		
VIRTRA FIREARMS TRAINING SIMULATOR												
(50) PORTABLE RADIOS									50,000			
FLIR FOR PD VEHICLES												
LIVESCAN FINGER PRINT MACHINE												
POLICE FLASHLIGHTS												
VIDEO SURVEILLANCE EQUIPMENT												
EMERGENCY MGMT. RADIO SYSTEM (\$75,000 Cost / \$40,000 Town Watch Funding)												
EAR PIECE RADIOS (x40 at \$300)												
IN-CAR VIDEO CAMERAS/BODY CAMERAS and IT STORAGE							test prog	52,000	52,000	52,000		
MOTORCYCLE SAFETY EQUIPMENT												
PARKING TICKET HANDHELDS/SOFTWARE							72,500					
DEPARTMENT BUILDING UPGRADES (15: Detectives/Sergeants, 16: Evidence Room)												
<b>POLICE DEPARTMENT SPECIALTY TOTAL</b>							<b>\$ 91,700</b>	<b>\$ 62,500</b>	<b>\$ 108,500</b>	<b>\$ 112,000</b>	<b>\$ 6,500</b>	<b>\$ 5,500</b>

## Police Capital Replacement Plan

### Description:

Vehicle #18 | 2019 Ford Expedition

Scheduled replacement of this vehicle at the end of its useful life. The vehicle's current mileage is 61,487 and its estimated mileage at the time the replacement vehicle is delivered is over the 75,000 useful life limit established for patrol vehicles. This vehicle is schedule for replacement in 2017.



### Justification | Benefit Derived:

Police vehicles. Currently the Police Department deploys 19 vehicles under the patrol unit function with an additional 12 vehicles assigned to administrative functions including detectives and parking. These patrol vehicles are on the street 365 days per year and accumulate approximately 30,000 miles per year.

### Current Status:

The Township's patrol vehicle replacement schedule is set at 75,000 as a result of feedback from the Maintenance Division that significant motor, transmission, and other engine related failures start to occur. At the same time, at 75,000, the vehicle has some value to be auctioned off according to the Township's disposition of assets policy. All proceeds from the auction are used to defray the cost of replacing these vehicles.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax	\$40,000	-	-	-	\$40,000	-
<b>Total Funding Sources</b>	<b>\$40,000</b>	-	-	-	<b>\$40,000</b>	-
<b>Project Uses</b>						
Vehicles (includes outfitting)	40,000	-	-	-	40,000	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Other	-	-	-	-	-	-
<b>Total Financing Uses</b>	<b>\$40,000</b>	-	-	-	<b>\$40,000</b>	-

## Police Capital Replacement Plan

### Description:

Vehicle #9 | 2018 Ford Explorer

Scheduled replacement of this vehicle at the end of its useful life. The vehicle's current mileage is 42,178 and its estimated mileage at the time the replacement vehicle is delivered is over the 75,000 useful life limit established for patrol vehicles.



### Justification | Benefit Derived:

Police vehicles. Currently the Police Department deploys 19 vehicles under the patrol unit function with an additional 12 vehicles assigned to administrative functions including detectives and parking. These patrol vehicles are on the street 365 days per year and accumulate approximately 30,000 miles per year.

### Current Status:

The Township's patrol vehicle replacement schedule is set at 75,000 as a result of feedback from the Maintenance Division that significant motor, transmission, and other engine related failures start to occur. At the same time, at 75,000, the vehicle has some value to be auctioned off according to the Township's disposition of assets policy. All proceeds from the auction are used to defray the cost of replacing these vehicles.

### Financial Plan

	2017	2018	2019	2020	2021	2022
<b>Project Sources</b>						
General Tax	-	\$40,000	-	-	\$40,000	-
<b>Total Funding Sources</b>	-	<b>\$40,000</b>	-	-	<b>\$40,000</b>	-
<b>Project Uses</b>						
Vehicles (includes outfitting)	-	\$40,000	-	-	\$40,000	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Other	-	-	-	-	-	-
<b>Total Financing Uses</b>	-	<b>\$40,000</b>	-	-	<b>\$40,000</b>	-

(NOTE: Sources must equal Uses)

## Police Capital Replacement Plan

### Description:

Vehicle #11 | 2018 Ford Explorer

Scheduled replacement of this vehicle at the end of its useful life. The vehicle's current mileage is 34,364 and its estimated mileage at the time the replacement vehicle is delivered is over the 75,000 useful life limit established for patrol vehicles.



### Justification | Benefit Derived:

Police vehicles. Currently the Police Department deploys 19 vehicles under the patrol unit function with an additional 12 vehicles assigned to administrative functions including detectives and parking. These patrol vehicles are on the street 365 days per year and accumulate approximately 30,000 miles per year.

### Current Status:

The Township's patrol vehicle replacement schedule is set at 75,000 as a result of feedback from the Maintenance Division that significant motor, transmission, and other engine related failures start to occur. At the same time, at 75,000, the vehicle has some value to be auctioned off according to the Township's disposition of assets policy. All proceeds from the auction are used to defray the cost of replacing these vehicles.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax	-	\$40,000	-	-	\$40,000	-
<b>Total Funding Sources</b>	-	<b>\$40,000</b>	-	-	<b>\$40,000</b>	-
<b>Project Uses</b>						
Vehicles (includes outfitting)	-	\$40,000	-	-	\$40,000	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Other	-	-	-	-	-	-
<b>Total Financing Uses</b>	-	<b>\$40,000</b>	-	-	<b>\$40,000</b>	-

(NOTE: Sources must equal Uses)

## Police Capital Replacement Plan

### Description:

Vehicle #17 | 2018 Ford Explorer

Scheduled replacement of this vehicle at the end of its useful life. The vehicle's current mileage is 29,322 and its estimated mileage at the time the replacement vehicle is delivered is over the 75,000 useful life limit established for patrol vehicles.



### Justification | Benefit Derived:

Police vehicles. Currently the Police Department deploys 19 vehicles under the patrol unit function with an additional 12 vehicles assigned to administrative functions including detectives and parking. These patrol vehicles are on the street 365 days per year and accumulate approximately 30,000 miles per year.

### Current Status:

The Township's patrol vehicle replacement schedule is set at 75,000 as a result of feedback from the Maintenance Division that significant motor, transmission, and other engine related failures start to occur. At the same time, at 75,000, the vehicle has some value to be auctioned off according to the Township's disposition of assets policy. All proceeds from the auction are used to defray the cost of replacing these vehicles.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax	-	\$40,000	-	-	\$40,000	-
<b>Total Funding Sources</b>	-	<b>\$40,000</b>	-	-	<b>\$40,000</b>	-
<b>Project Uses</b>						
Vehicles (includes outfitting)	-	\$40,000	-	-	\$40,000	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Other	-	-	-	-	-	-
<b>Total Financing Uses</b>	-	<b>\$40,000</b>	-	-	<b>\$40,000</b>	-

(NOTE: Sources must equal Uses)

## Police Capital Replacement Plan

### Description:

Vehicle #H-1 | 2018 Ford Explorer

Scheduled replacement of this vehicle at the end of its useful life. The vehicle's current mileage is 16,695 and its estimated mileage at the time the replacement vehicle is delivered is over the 75,000 useful life limit established for patrol vehicles.



### Justification | Benefit Derived:

Police vehicles. Currently the Police Department deploys 19 vehicles under the patrol unit function with an additional 12 vehicles assigned to administrative functions including detectives and parking. These patrol vehicles accumulate approximately 30,000 miles per year.

### Current Status:

The Township's patrol vehicle replacement schedule is set at 75,000 as a result of feedback from the Maintenance Division that significant motor, transmission, and other engine related failures start to occur. At the same time, at 75,000, the vehicle has some value to be auctioned off according to the Township's disposition of assets policy. All proceeds from the auction are used to defray the cost of replacing these vehicles.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax	-	\$40,000	-	-	-	\$40,000
<b>Total Funding Sources</b>	-	<b>\$40,000</b>	-	-	-	<b>\$40,000</b>
<b>Project Uses</b>						
Vehicles (includes outfitting)	-	\$40,000	-	-	-	\$40,000
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Other	-	-	-	-	-	-
<b>Total Financing Uses</b>	-	<b>\$40,000</b>	-	-	-	<b>\$40,000</b>

(NOTE: Sources must equal Uses)

## Police Capital Replacement Plan

### Description:

Vehicle #2 | 2019 Ford Expedition

Scheduled replacement of this vehicle at the end of its useful life. The vehicle's current mileage is 6,696 and its estimated mileage at the time the replacement vehicle is delivered is over the 75,000 useful life limit established for patrol vehicles.



### Justification | Benefit Derived:

Police vehicles. Currently the Police Department deploys 19 vehicles under the patrol unit function with an additional 12 vehicles assigned to administrative functions including detectives and parking. These patrol vehicles are on the street 365 days per year and accumulate approximately 30,000 miles per year.

### Current Status:

The Township's patrol vehicle replacement schedule is set at 75,000 as a result of feedback from the Maintenance Division that significant motor, transmission, and other engine related failures start to occur. At the same time, at 75,000, the vehicle has some value to be auctioned off according to the Township's disposition of assets policy. All proceeds from the auction are used to defray the cost of replacing these vehicles.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax	-	-	\$41,000	-	-	\$41,000
<b>Total Funding Sources</b>	-	-	<b>\$41,000</b>	-	-	<b>\$41,000</b>
<b>Project Uses</b>						
Vehicles (includes outfitting)	-	-	\$41,000	-	-	\$41,000
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Other	-	-	-	-	-	-
<b>Total Financing Uses</b>	-	-	<b>\$41,000</b>	-	-	<b>\$41,000</b>

(NOTE: Sources must equal Uses)



## Police Capital Replacement Plan

### Description:

Vehicle #8 | 2019 Ford Explorer

Scheduled replacement of this vehicle at the end of its useful life. The vehicle's current mileage is 43,548 and its estimated mileage at the time the replacement vehicle is delivered is over the 75,000 useful life limit established for patrol vehicles.



### Justification | Benefit Derived:

Police vehicles. Currently the Police Department deploys 19 vehicles under the patrol unit function with an additional 12 vehicles assigned to administrative functions including detectives and parking. These patrol vehicles are on the street 365 days per year and accumulate approximately 30,000 miles per year.

### Current Status:

The Township's patrol vehicle replacement schedule is set at 75,000 as a result of feedback from the Maintenance Division that significant motor, transmission, and other engine related failures start to occur. At the same time, at 75,000, the vehicle has some value to be auctioned off according to the Township's disposition of assets policy. All proceeds from the auction are used to defray the cost of replacing these vehicles.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax	-	-	\$40,000	-	-	\$40,000
<b>Total Funding Sources</b>	-	-	<b>\$40,000</b>	-	-	<b>\$40,000</b>
<b>Project Uses</b>						
Vehicles (includes outfitting)	-	-	\$40,000	-	-	\$40,000
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Other	-	-	-	-	-	-
<b>Total Financing Uses</b>	-	-	<b>\$40,000</b>	-	-	<b>\$40,000</b>

(NOTE: Sources must equal Uses)

## Police Capital Replacement Plan

### Description:

Vehicle #12 | 2019 Ford Explorer

Scheduled replacement of this vehicle at the end of its useful life. The vehicle's current mileage is 48,924 and its estimated mileage at the time the replacement vehicle is delivered is over the 75,000 useful life limit established for patrol vehicles.



### Justification | Benefit Derived:

Police vehicles. Currently the Police Department deploys 19 vehicles under the patrol unit function with an additional 12 vehicles assigned to administrative functions including detectives and parking. These patrol vehicles are on the street 365 days per year and accumulate approximately 30,000 miles per year.

### Current Status:

The Township's patrol vehicle replacement schedule is set at 75,000 as a result of feedback from the Maintenance Division that significant motor, transmission, and other engine related failures start to occur. At the same time, at 75,000, the vehicle has some value to be auctioned off according to the Township's disposition of assets policy. All proceeds from the auction are used to defray the cost of replacing these vehicles.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax	-	-	\$40,000	-	-	\$40,000
<b>Total Funding Sources</b>	-	-	<b>\$40,000</b>	-	-	<b>\$40,000</b>
<b>Project Uses</b>						
Vehicles (includes outfitting)	-	-	\$40,000	-	-	\$40,000
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Other	-	-	-	-	-	-
<b>Total Financing Uses</b>	-	-	<b>\$40,000</b>	-	-	<b>\$40,000</b>

(NOTE: Sources must equal Uses)

## Police Capital Replacement Plan

### Description:

2019 Enclosed Trailer

Scheduled replacement of this vehicle at the end of its useful life.



### Justification | Benefit Derived:

Enclosed trailer used to transport and deploy various equipment such as road barricades and generators during weather emergencies. Also, the trailer is used long-range transport for motorcycles including when the vehicles need maintenance.

### Current Status:

The trailer is at the end of its useful life and will need to be replaced.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax	-	-	\$12,000	-	-	-
<b>Total Funding Sources</b>	-	-	<b>\$12,000</b>	-	-	-
<b>Project Uses</b>						
Vehicles (includes outfitting)	-	-	\$12,000	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Other	-	-	-	-	-	-
<b>Total Financing Uses</b>	-	-	<b>\$12,000</b>	-	-	-

(NOTE: Sources must equal Uses)

## Police Capital Replacement Plan

### Description:

Vehicle #D-4 | 2019 Ford Taurus

Scheduled replacement of this vehicle at the end of its useful life. The vehicle's current mileage is 19,279 and its estimated mileage at the time the replacement vehicle is delivered is over the 75,000 useful life limit established for patrol vehicles.



### Justification | Benefit Derived:

Police vehicles. Currently the Police Department deploys 19 vehicles under the patrol unit function with an additional 12 vehicles assigned to administrative functions including detectives and parking. These vehicles are used for follow up investigations and other administrative functions.

### Current Status:

The Township's patrol vehicle replacement schedule is set at 75,000 as a result of feedback from the Maintenance Division that significant motor, transmission, and other engine related failures start to occur. At the same time, at 75,000, the vehicle has some value to be auctioned off according to the Township's disposition of assets policy. All proceeds from the auction are used to defray the cost of replacing these vehicles.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax	-	-	\$32,000	-	-	-
<b>Total Funding Sources</b>	-	-	<b>\$32,000</b>	-	-	-
<b>Project Uses</b>						
Vehicles (includes outfitting)	-	-	\$32,000	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Other	-	-	-	-	-	-
<b>Total Financing Uses</b>	-	-	<b>\$32,000</b>	-	-	-

(NOTE: Sources must equal Uses)

## Police Capital Replacement Plan

### Description:

Vehicle #1 | 2019 Ford Explorer (unmarked Chief's Vehicle)

Scheduled replacement of this vehicle at the end of its useful life. The vehicle's current mileage is 67,852 and its estimated mileage at the time the replacement vehicle is delivered is over the 75,000 useful life limit established for patrol vehicles.



### Justification | Benefit Derived:

Police vehicles. Currently the Police Department deploys 19 vehicles under the patrol unit function with an additional 12 vehicles assigned to administrative functions including detectives and parking

### Current Status:

The Township's patrol vehicle replacement schedule is set at 75,000 as a result of feedback from the Maintenance Division that significant motor, transmission, and other engine related failures start to occur. At the same time, at 75,000, the vehicle has some value to be auctioned off according to the Township's disposition of assets policy. All proceeds from the auction are used to defray the cost of replacing these vehicles.

### Financial Plan

	2017	2018	2019	2020	2021	2022
<b>Project Sources</b>						
General Tax	-	-	\$33,170	-	-	-
<b>Total Funding Sources</b>	-	-	<b>\$33,170</b>	-	-	-
<b>Project Uses</b>						
Vehicles (includes outfitting)	-	-	\$33,170	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Other	-	-	-	-	-	-
<b>Total Financing Uses</b>	-	-	<b>\$33,170</b>	-	-	-

(NOTE: Sources must equal Uses)

## Police Capital Replacement Plan

### Description:

Vehicle #6 | 2020 Dodge Charger (patrol)

Scheduled replacement of this vehicle at the end of its useful life. The vehicle's current mileage is 49,207 and its estimated mileage at the time the replacement vehicle is delivered is over the 75,000 useful life limit established for patrol vehicles.



### Justification | Benefit Derived:

Police vehicles. Currently the Police Department deploys 19 vehicles under the patrol unit function with an additional 12 vehicles assigned to administrative functions including detectives and parking. These patrol vehicles are on the street 365 days per year and accumulate approximately 30,000 miles per year.

### Current Status:

The Township's patrol vehicle replacement schedule is set at 75,000 as a result of feedback from the Maintenance Division that significant motor, transmission, and other engine related failures start to occur. At the same time, at 75,000, the vehicle has some value to be auctioned off according to the Township's disposition of assets policy. All proceeds from the auction are used to defray the cost of replacing these vehicles.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax	-	-	-	\$40,000	-	-
<b>Total Funding Sources</b>	-	-	-	<b>\$40,000</b>	-	-
<b>Project Uses</b>						
Vehicles (includes outfitting)	-	-	-	\$40,000	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Other	-	-	-	-	-	-
<b>Total Financing Uses</b>	-	-	-	<b>\$40,000</b>	-	-

(NOTE: Sources must equal Uses)

## Police Capital Replacement Plan

### Description:

Vehicle #10 | 2020 Ford E-350 Van

Scheduled replacement of this vehicle at the end of its useful life. The vehicle's current mileage is 32,762 and its estimated mileage at the time the replacement vehicle is delivered is over the 75,000 useful life limit established for patrol vehicles.



### Justification | Benefit Derived:

Police vehicles. Currently the Police Department deploys 19 vehicles under the patrol unit function with an additional 12 vehicles assigned to administrative functions including detectives and parking. These patrol vehicles are on the street 365 days per year and accumulate approximately 30,000 miles per year.

### Current Status:

The Township's patrol vehicle replacement schedule is set at 75,000 as a result of feedback from the Maintenance Division that significant motor, transmission, and other engine related failures start to occur. At the same time, at 75,000, the vehicle has some value to be auctioned off according to the Township's disposition of assets policy. All proceeds from the auction are used to defray the cost of replacing these vehicles.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax	-	-	-	\$60,000	-	-
<b>Total Funding Sources</b>	-	-	-	<b>\$60,000</b>	-	-
<b>Project Uses</b>						
Vehicles (includes outfitting)	-	-	-	\$60,000	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Other	-	-	-	-	-	-
<b>Total Financing Uses</b>	-	-	-	<b>\$60,000</b>	-	-

(NOTE: Sources must equal Uses)

## Police Capital Replacement Plan

### Description:

Vehicle #16 | 2020 Ford Taurus

Scheduled replacement of this vehicle at the end of its useful life. The vehicle's current mileage is 39,960 and its estimated mileage at the time the replacement vehicle is delivered is over the 75,000 useful life limit established for patrol vehicles.



### Justification | Benefit Derived:

Police vehicles. Currently the Police Department deploys 19 vehicles under the patrol unit function with an additional 12 vehicles assigned to administrative functions including detectives and parking. These patrol vehicles are on the street 365 days per year and accumulate approximately 30,000 miles per year.

### Current Status:

The Township's patrol vehicle replacement schedule is set at 75,000 as a result of feedback from the Maintenance Division that significant motor, transmission, and other engine related failures start to occur. At the same time, at 75,000, the vehicle has some value to be auctioned off according to the Township's disposition of assets policy. All proceeds from the auction are used to defray the cost of replacing these vehicles.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax	-	-	-	\$40,000	-	\$40,000
<b>Total Funding Sources</b>	-	-	-	<b>\$40,000</b>	-	<b>\$40,000</b>
<b>Project Uses</b>						
Vehicles (includes outfitting)	-	-	-	\$40,000	-	\$40,000
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Other	-	-	-	-	-	-
<b>Total Financing Uses</b>	-	-	-	<b>\$40,000</b>	-	<b>\$40,000</b>

(NOTE: Sources must equal Uses)



## Police Capital Replacement Plan

### Description:

Vehicle #D-5 | 2020 Ford Expedition (unmarked)

Scheduled replacement of this vehicle at the end of its useful life. The vehicle's current mileage is 77,472 and its estimated mileage at the time the replacement vehicle is delivered is over the 75,000 useful life limit established for patrol vehicles.



### Justification | Benefit Derived:

Police vehicles. Currently the Police Department deploys 19 vehicles under the patrol unit function with an additional 12 vehicles assigned to administrative functions including detectives and parking. These vehicles are used for follow up investigations and other administrative functions.

### Current Status:

The Township's patrol vehicle replacement schedule is set at 75,000 as a result of feedback from the Maintenance Division that significant motor, transmission, and other engine related failures start to occur. At the same time, at 75,000, the vehicle has some value to be auctioned off according to the Township's disposition of assets policy. All proceeds from the auction are used to defray the cost of replacing these vehicles.

### Financial Plan

	2017	2018	2019	2020	2021	2022
<b>Project Sources</b>						
General Tax	-	-	-	\$41,000	-	-
<b>Total Funding Sources</b>	-	-	-	<b>\$41,000</b>	-	-
<b>Project Uses</b>						
Vehicles (includes outfitting)	-	-	-	\$41,000	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Other	-	-	-	-	-	-
<b>Total Financing Uses</b>	-	-	-	<b>\$41,000</b>	-	-

(NOTE: Sources must equal Uses)

**Police Capital Replacement Plan**

**Description:**

Vehicle #STR | Digital Speed and Information Trailer



**Justification | Benefit Derived:**

The trailer is a portable electronic sign board used to relay emergency and education information. The trailer is also equipped with a RADAR system that can be used to advise motorists of their current speed and acts as a traffic-calming device.

**Current Status:**

The trailer is at the end of its useful life and will need to be replaced.

**Financial Plan**

Project Sources	2017	2018	2019	2020	2021	2022
General Tax	-	-	-	-	\$10,000	-
<b>Total Funding Sources</b>	-	-	-	-	<b>\$10,000</b>	-
<b>Project Uses</b>						
Vehicles (includes outfitting)	-	-	-	-	10,000	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Other	-	-	-	-	-	-
<b>Total Financing Uses</b>	-	-	-	-	<b>\$10,000</b>	-

(NOTE: Sources must equal Uses)

## Police Capital Replacement Plan

### Description:

Vehicle #D-2 | 2021 Ford Taurus

Scheduled replacement of this vehicle at the end of its useful life. The vehicle's current mileage is 18,708 and its estimated mileage at the time the replacement vehicle is delivered is over the 75,000 useful life limit established for patrol vehicles.



### Justification | Benefit Derived:

Police vehicles. Currently the Police Department deploys 19 vehicles under the patrol unit function with an additional 12 vehicles assigned to administrative functions including detectives and parking. These vehicles are used for follow up investigations and other administrative functions.

### Current Status:

The Township's patrol vehicle replacement schedule is set at 75,000 as a result of feedback from the Maintenance Division that significant motor, transmission, and other engine related failures start to occur. At the same time, at 75,000, the vehicle has some value to be auctioned off according to the Township's disposition of assets policy. All proceeds from the auction are used to defray the cost of replacing these vehicles.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax	-	-	-	-	\$24,000	-
<b>Total Funding Sources</b>	-	-	-	-	<b>\$24,000</b>	-
<b>Project Uses</b>						
Vehicles (includes outfitting)	-	-	-	-	24,000	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Other	-	-	-	-	-	-
<b>Total Financing Uses</b>	-	-	-	-	<b>\$24,000</b>	-

(NOTE: Sources must equal Uses)

## Police Capital Replacement Plan

### Description:

Vehicle #P-1 | 2022 Ford Focus

Scheduled replacement of this vehicle at the end of its useful life. The vehicle's current mileage is 21,900 and its estimated mileage at the time the replacement vehicle is delivered is over the 75,000 useful life limit established for patrol vehicles.



### Justification | Benefit Derived:

Parking enforcement vehicle used to transport parking enforcement staff to various locations around the township.

### Current Status:

The Township's patrol vehicle replacement schedule is set at 75,000 as a result of feedback from the Maintenance Division that significant motor, transmission, and other engine related failures start to occur. At the same time, at 75,000, the vehicle has some value to be auctioned off according to the Township's disposition of assets policy. All proceeds from the auction are used to defray the cost of replacing these vehicles.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax	-	-	-	-	-	\$40,000
<b>Total Funding Sources</b>	-	-	-	-	-	<b>\$40,000</b>
<b>Project Uses</b>						
Vehicles (includes outfitting)	-	-	-	-	-	40,000
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Other	-	-	-	-	-	-
<b>Total Financing Uses</b>	-	-	-	-	-	<b>\$40,000</b>

(NOTE: Sources must equal Uses)

## Police Capital Replacement Plan

### Description:

Vehicle #D-3 | 2022 Ford Taurus

Scheduled replacement of this vehicle at the end of its useful life. The vehicle's current mileage is 12,444 and its estimated mileage at the time the replacement vehicle is delivered is over the 75,000 useful life limit established for patrol vehicles.



### Justification | Benefit Derived:

Police vehicles. Currently the Police Department deploys 19 vehicles under the patrol unit function with an additional 12 vehicles assigned to administrative functions including detectives and parking. These vehicles are used for follow up investigations and other administrative functions.

### Current Status:

The Township's patrol vehicle replacement schedule is set at 75,000 as a result of feedback from the Maintenance Division that significant motor, transmission, and other engine related failures start to occur. At the same time, at 75,000, the vehicle has some value to be auctioned off according to the Township's disposition of assets policy. All proceeds from the auction are used to defray the cost of replacing these vehicles.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax	-	-	-	-	-	\$24,000
<b>Total Funding Sources</b>	-	-	-	-	-	<b>\$24,000</b>
<b>Project Uses</b>						
Vehicles (includes outfitting)	-	-	-	-	-	24,000
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Other	-	-	-	-	-	-
<b>Total Financing Uses</b>	-	-	-	-	-	<b>\$24,000</b>

(NOTE: Sources must equal Uses)

## Police Capital Replacement Plan

### Description:

Vehicle #M1 | 2022 Harley-Davidson Road King

Scheduled replacement of this vehicle at the end of its useful life. The vehicle's current mileage is 11,946 and its estimated mileage at the time the replacement vehicle is delivered is over the 75,000 useful life limit established for patrol vehicles.



### Justification | Benefit Derived:

Police vehicles. Currently the Police Department deploys 19 vehicles under the patrol unit function with an additional 12 vehicles assigned to administrative functions including detectives and parking.

### Current Status:

The Township's patrol vehicle replacement schedule is set at 75,000 as a result of feedback from the Maintenance Division that significant motor, transmission, and other engine related failures start to occur. At the same time, at 75,000, the vehicle has some value to be auctioned off according to the Township's disposition of assets policy. All proceeds from the auction are used to defray the cost of replacing these vehicles.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax	-	-	-	-	-	\$38,000
<b>Total Funding Sources</b>	-	-	-	-	-	<b>\$38,000</b>
<b>Project Uses</b>						
Vehicles (includes outfitting)	-	-	-	-	-	\$38,000
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Other	-	-	-	-	-	-
<b>Total Financing Uses</b>	-	-	-	-	-	<b>\$38,000</b>

(NOTE: Sources must equal Uses)

## Police Capital Replacement Plan

### Description:

Laptops for police department command vehicles to assist in managing major incidents.



### Justification | Benefit Derived:

Allows senior staff to access critical information at active scenes that is otherwise unavailable to them.

### Current Status:

Currently, there are no laptop computers issued to the command vehicles or to senior staff for this function.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax	\$4,000	-	\$4,000	-	\$4,000	-
<b>Total Funding Sources</b>	<b>\$4,000</b>	<b>-</b>	<b>\$4,000</b>	<b>-</b>	<b>\$4,000</b>	<b>-</b>
<b>Project Uses</b>						
Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Equipment	\$4,000	-	\$4,000	-	\$4,000	-
<b>Total Financing Uses</b>	<b>\$4,000</b>	<b>-</b>	<b>\$4,000</b>	<b>-</b>	<b>\$4,000</b>	<b>-</b>

(NOTE: Sources must equal Uses)

## Police Capital Replacement Plan

### Description:

Ballistic Vests



### Justification | Benefit Derived:

Bullet-proof vests for patrol officers.

### Current Status:

Officer's vests are replaced at the end of their lifecycles.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500
<b>Total Funding Sources</b>	<b>\$2,500</b>	<b>\$2,500</b>	<b>\$2,500</b>	<b>\$2,500</b>	<b>\$2,500</b>	<b>\$2,500</b>
<b>Project Uses</b>						
Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Equipment	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500
<b>Total Financing Uses</b>	<b>\$2,500</b>	<b>\$2,500</b>	<b>\$2,500</b>	<b>\$2,500</b>	<b>\$2,500</b>	<b>\$2,500</b>

(NOTE: Sources must equal Uses)



## Police Capital Replacement Plan

### Description:

Handguns, holsters and attached(mounted) flashlights

It should also be noted that the Township successfully negotiated for the full replacement of all the handguns at *no cost*. The appropriations in 2017 reflect the cost for the holsters and flashlights.



### Justification | Benefit Derived:

Flashlights attached to the handgun for immediate use by officers in low-light tactical situations and holsters that will accommodate them. New handguns to replace weapons at the end of their lifecycle.

### Current Status:

Officers have the tactical disadvantage of having to hold both the flashlight and firearm with each hand in low-light situations.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax	\$12,700	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$12,700</b>	-	-	-	-	-
<b>Project Uses</b>						
Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Equipment	12,700	-	-	-	-	-
<b>Total Financing Uses</b>	<b>\$12,700</b>	-	-	-	-	-

(NOTE: Sources must equal Uses)

## Police Capital Replacement Plan

### Description:

Long Rifles



### Justification | Benefit Derived:

Ensure that each patrol vehicle is equipped with a long rifle that can be employed in tactical situations.

### Current Status:

Support vehicles (i.e. traffic safety) do not currently have rifles available to them which limits the effectiveness of their response to a critical incident.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax	-	\$5,000	-	-	-	-
<b>Total Funding Sources</b>	-	\$5,000	-	-	-	-
<b>Project Uses</b>						
Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Equipment	-	5,000	-	-	-	-
<b>Total Financing Uses</b>	-	\$5,000	-	-	-	-

(NOTE: Sources must equal Uses)

## Police Capital Replacement Plan

### Description:

United Public Safety hardware and software package for E-Citations, Parking Citations and Burglar Alarm Management.



### Justification | Benefit Derived:

This will automate and expedite State of Pennsylvania moving violations. A new way to manage burglar alarm citations and reduce resident costs with the automation of online payments as well.

### Current Status:

This is new equipment

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax Funding	72,500	-	-	-	-	-
<b>Total Funding Sources</b>	<b>72,500</b>	-	-	-	-	-
<b>Project Uses</b>						
Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Equipment	72,500	-	-	-	-	-
<b>Total Financing Uses</b>	<b>72,500</b>	-	-	-	-	-

(NOTE: Sources must equal Uses)

# Radnor Township, PA

## Five Year Capital Plan

---

### Public Works Vehicles:

- Sanitation Vehicles
- Engineering Vehicles
- Highway Vehicles
- Park Maintenance Vehicles

**Radnor Township, PA**  
 Departmental Capital Replacement Plan  
 As Amended with the 2017 Budget

COST (at 2016 values)												
VEH #	YEAR	CURRENT MODEL	YEARS/ MILEAGE	UL YR/MILE	DIVISION / UNIT	REPLACEMENT VEHICLE MAKE / MODEL	2017	2018	2019	2020	2021	2022

PUBLIC WORKS - SANITATION VEHICLES												
25	2010	PU	39,270	10		3/4 Ton PU						
26	2014	PAC	4,952	12	2	Intern'l / Leach	45,000	45,000				
27	2007	PAC	66,012	12		Intern'l / Leach						
28	1997	PAC	74,844	12	3	Intern'l / Leach	33,735	34,289				
29	2008	PAC	50,878	12		Intern'l / Leach						45,000
30	2003	PAC	61,988	12		Intern'l / Leach				45,000	45,000	45,000
31	2005	PAC	62,716	12		Intern'l / Leach					45,000	45,000
32	2008	PAC	51,019	12		Intern'l / Leach				40,000	40,000	40,000
33	2001	PAC	41,419	12		Intern'l / Leach	40,000	40,000	40,000	40,000		
34	2005	PAC	63,730	12		Intern'l / Leach		40,000	40,000	40,000	40,000	40,000
35	2001	PAC	63,462	12		Intern'l / Leach	58,300	58,300	58,300	58,300	58,300	
36	2002	PAC	79,111	12		Intern'l / Leach			40,000	40,000	40,000	40,000
37	199	PAC	58,933	12	1	Intern'l / Leach	40,000	40,000	40,000			
NEW	2017	TBD	-	12		LIFT/HOIST	8,000					
38	2013	PU	12,363	12		GMC 3500						
<b>TOTAL - SANITATION VEHICLES</b>							<b>\$ 225,035</b>	<b>\$ 257,589</b>	<b>\$ 218,300</b>	<b>\$ 263,300</b>	<b>\$ 268,300</b>	<b>\$ 255,000</b>

PUBLIC WORKS - ENGINEERING VEHICLES												
45	2001	SUV	72,480	110,000		TBD, Hybrid or alt. fuel						

PUBLIC WORKS - HIGHWAY VEHICLES												
43	2013	PU	8,550	100,000		RAM 1500						
44	2015	PU/DT	NA	100,000		Pending Delivery w/P & S						
46	2015	PU	730	100,000		3/4 Ton PU						
47	2004	PU	133,586	110,000	23,586	3/4 Ton PU						
48	1994	UTIL	120,960	110,000	10,960	Utility Truck w/Lift		45,000				
49	2005	DT	39,530	12		Dump Truck				45,000	45,000	45,000
50	2005	DT	46,290	12		Dump Truck					78,000	78,000
51	2002	DT	29,967	12		Dump Truck	37,800	37,800	37,800	37,800	37,800	
52	2005	DT	19,565	12		Dump Truck						48,600
53	2012	DT	7,505	12		Dump Truck						
54	1997	DT	61,079	12	5	Dump Truck	36,000	36,000				
55	2001	SB	119,110	110,000	19,110	F250 Stake Body						
56	2008	PU	26,281	110,000		3/4 Ton PU					46,800	
57	1997	PU	79,229	110,000		3/4 Ton PU						
58	1998	DT	54,548	12	4	Dump Truck	37,800	37,800	37,800	37,800		
66	2013	SB	10,112	12		Stake Body						
97	2001	SUV	113,708	115,000		TBD						
59	1997	DT	52,754	12	6	Dump Truck	36,000	36,000	36,000			
105	2007	PU	65,101	110,000		3/4 Ton PU						
<b>TOTAL - HIGHWAY VEHICLES</b>							<b>\$ 147,600</b>	<b>\$ 192,600</b>	<b>\$ 111,600</b>	<b>\$ 120,600</b>	<b>\$ 207,600</b>	<b>\$ 171,600</b>

PUBLIC WORKS - PARKS MAINTENANCE VEHICLES												
68	1994	DT	66,239	12	6	Dump Truck	36,000	36,000	36,000			
69	2008	PU	12,205	110,000		3/4 Ton PU						
70	2000	PU	114,393	110,000	14,393	3/4 Ton PU						
71	2008	PU	46,264	110,000		3/4 Ton PU				38,750		
72	2009	PU	15,736	110,000		3/4 Ton PU						
73	1996	PU	168,038	110,000	68,038	3/4 Ton PU						
74	1997	SB	60,199	110,000		F250 Stake Body						
75	2010	PU	36,695	110,000		3/4 Ton PU						
76	2002	PU	100,436	110,000	436	3/4 Ton PU						
77	2004	PU	82,002	110,000		3/4 Ton PU			37,000			
78	1992	DT	67,196	12	8	Dump Truck	37,800	37,800	37,800	37,800	37,800	
79	2001	PU	133,003	110,000	33,003	3/4 Ton PU						
<b>TOTAL - PARKS MAINTENANCE VEHICLES</b>							<b>\$ 73,800</b>	<b>\$ 73,800</b>	<b>\$ 110,800</b>	<b>\$ 76,550</b>	<b>\$ 37,800</b>	<b>\$ -</b>

**Public Works Sanitation Vehicles | Replace Packer #35**

**Description:**

After evaluating the fleet in 2011, it was determined that many vehicles were past their useful life, from a dependability and cost standpoint. There was no vehicle replacement plan at that time. To address this issue, a rolling stock replacement plan was created, based on years of service, life span, mileage, equipment condition, and other factors. The vehicle requested to be replaced is packer #35. Please note that packers (trash trucks) are used for solid waste collection, recycling collection, leaf collection, and snow removal.



**Justification | Benefit Derived:**

Packer #35 is a 2001 vehicle, which is 3 years beyond its service life. To rebuild this vehicle would cost more than the current value of the vehicle, and the useful life would only be extended a few years. The ROI is not acceptable regarding a rebuild; the truck should be replaced. The proposed new truck will have a useful life of twelve years, and presumable less repair costs than the current truck #35. This will provide the Township with more reliable, safer service in regards to trash collection, recycling collection, leaf collection, and snow removal.

**Current Status:**

The rolling stock replacement plan was created to provide for a method to replace vehicles on a formal basis, which allows for a meaningful, specific, and a formulated plan to replace rolling stock, in this instance, a solid waste packer. Without such a plan, the Township would revert to previous years, where no formal plan was in place, and packers beyond their useful life were “band aided” to keep them on the road. These vehicles are needed, yet expensive assets that have to be managed to obtain the most use from them. Due to the lack of replacement in past years, it was determined that a five-year capital lease was the most prudent way to update the fleet, in the shortest amount of time.

**Financial Plan**

	2017	2018	2019	2020	2021	2022
<b>Project Sources</b>						
General Tax Proceeds	\$58,300	\$58,300	\$58,300	\$58,300	\$58,300	-
<b>Total Funding Sources</b>	<b>\$58,300</b>	<b>\$58,300</b>	<b>\$58,300</b>	<b>\$58,300</b>	<b>\$58,300</b>	-
<b>Project Uses</b>						
Capital Lease (5 Year Term)	58,300	58,300	58,300	58,300	58,300	-
<b>Total Financing Uses</b>	<b>\$58,300</b>	<b>\$58,300</b>	<b>\$58,300</b>	<b>\$58,300</b>	<b>\$58,300</b>	-

(NOTE: Sources must equal Uses)

**Public Works Highway Vehicles | Replace Dump Truck #51**

**Description:**

After evaluating the fleet in 2011, it was determined that many vehicles were past their useful life, from a dependability and cost standpoint. There was no vehicle replacement plan at that time. To address this issue, a rolling stock replacement plan was created, based on years of service, life span, mileage, equipment condition and other factors. The most effective way to replace the most vehicles efficiently is through a five-year capital lease. The vehicle requested to be replaced is Highway Dump Truck #51. Please note that highway dump trucks are used for transporting materials to job sites throughout the Township as well as for snow removal and leaf pickup.



**Justification | Benefit Derived:**

Highway Dump Truck #51 is a 2002 vehicle and has reached the end of its service life. The body of this truck is exhibiting severe rust, the wiring needs replacement, and the truck is so old that it does not even have air brakes. This truck is well beyond the time for a massive re-build. Repairs to bring this truck into a more useful state would cost more than the current value of the vehicle, and the useful life would only be extended a few years. The ROI is not acceptable regarding a rebuild; the truck should be replaced. The proposed new truck will have a useful life of twelve years, and presumable less repair costs than the current truck #51. This will provide the Township with more reliable, safer vehicle in regards maintenance in parks, leaf collection in parks, clearing streets of downed trees, tree maintenance, and snow removal on the Township's streets.

**Current Status:**

The rolling stock replacement plan was created to provide for a method to replace vehicles on a formal basis, which allows for a meaningful, specific, and a formulated plan to replace rolling stock, in this instance, a solid waste packer. Without such a plan, the Township would revert to previous years, where no formal plan was in place, and packers beyond their useful life were "band aided" to keep them on the road. These vehicles are needed, yet expensive assets that have to be managed to obtain the most use from them. Due to the lack of replacement in past years, it was determined that a five-year capital lease was the most prudent way to update the fleet, in the shortest amount of time.

**Financial Plan**

	2017	2018	2019	2020	2021	2022
<b>Project Sources</b>						
General Tax Proceeds	\$37,800	\$37,800	\$37,800	\$37,800	\$37,800	-
<b>Total Funding Sources</b>	<b>\$37,800</b>	<b>\$37,800</b>	<b>\$37,800</b>	<b>\$37,800</b>	<b>\$37,800</b>	-
<b>Project Uses</b>						
Capital Lease	37,800	37,800	37,800	37,800	37,800	-
<b>Total Financing Uses</b>	<b>\$37,800</b>	<b>\$37,800</b>	<b>\$37,800</b>	<b>\$37,800</b>	<b>\$37,800</b>	-

(NOTE: Sources must equal Uses)

**Public Works Park Maintenance Vehicles | Replace Dump Truck #78**

**Description:**

After evaluating the fleet in 2011, it was determined that many vehicles were past their useful life, from a dependability and cost standpoint. There was no vehicle replacement plan at that time. To address this issue, a rolling stock replacement plan was created, based on years of service, life span, mileage, equipment condition and other factors. The most effective way to replace the most vehicles efficiently is through a five-year capital lease. The vehicle requested to be replaced is Parks Maintenance Dump Truck #78. Please note that parks maintenance dump trucks are used for maintenance in parks, leaf collection in parks, clearing streets of downed trees, tree maintenance, and snow removal on the Township’s streets.



**Justification | Benefit Derived:**

Parks Maintenance Dump Truck #78 is a 1992 vehicle, which is 12 years beyond its service life. The body of this truck is exhibiting severe rust, the wiring needs replacement, and the truck is so old that it does not even have air brakes. This truck is well beyond the time for a massive re-build. Repairs to bring this truck into a more useful state would cost more than the current value of the vehicle, and the useful life would only be extended a few years. The ROI is not acceptable regarding a rebuild; the truck should be replaced. The proposed new truck will have a useful life of twelve years, and presumable less repair costs than the current truck #78. This will provide the Township with more reliable, safer vehicle in regards maintenance in parks, leaf collection in parks, clearing streets of downed trees, tree maintenance, and snow removal on the Township’s streets.

**Current Status:**

The rolling stock replacement plan was created to provide for a method to replace vehicles on a formal basis, which allows for a meaningful, specific, and a formulated plan to replace rolling stock, in this instance, a solid waste packer. Without such a plan, the Township would revert to previous years, where no formal plan was in place, and packers beyond their useful life were “band aided” to keep them on the road. These vehicles are needed, yet expensive assets that have to be managed to obtain the most use from them. Due to the lack of replacement in past years, it was determined that a five-year capital lease was the most prudent way to update the fleet, in the shortest amount of time.

**Financial Plan**

	2017	2018	2019	2020	2021	2022
<b>Project Sources</b>						
General Tax Proceeds	\$37,800	\$37,800	\$37,800	\$37,800	\$37,800	-
<b>Total Funding Sources</b>	<b>\$37,800</b>	<b>\$37,800</b>	<b>\$37,800</b>	<b>\$37,800</b>	<b>\$37,800</b>	-
<b>Project Uses</b>						
Capital Lease	37,800	37,800	37,800	37,800	37,800	-
<b>Total Financing Uses</b>	<b>\$37,800</b>	<b>\$37,800</b>	<b>\$37,800</b>	<b>\$37,800</b>	<b>\$37,800</b>	-

(NOTE: Sources must equal Uses)



# Radnor Township, PA

## Five Year Capital Plan

---

Public Works Vehicles (cont'd):

- Sanitation Sewer Vehicles and Equipment

Recreation Vehicles

Community Development Vehicles

Public Works Equipment:

- Highway Equipment
- Parks Maintenance Equipment

**Radnor Township, PA**  
 Departmental Capital Replacement Plan  
 As Amended with the 2017 Budget

COST (at 2016 values)												
VEH #	YEAR	CURRENT MODEL	YEARS/ MILEAGE	UL YR/MILE	DIVISION / UNIT	REPLACEMENT VEHICLE MAKE / MODEL	2017	2018	2019	2020	2021	2022
<b>PUBLIC WORKS - SEWER VEHICLES and EQUIPMENT</b>												
81	2001	PU	106,954	110,000		GMC 2500						
82	2000	DT	31,063	12		Dump Truck	36,000	36,000	36,000	36,000		
83	2001	JET	17,691	15		Sewer Cleaning Truck			40,200	40,200	40,200	40,200
84	2005	PU	68,856	110,000		3/4 Ton PU				36,000		
n/a	2015	N/A	N/A	N/A		R.O.W. Unit						
n/a	2015	N/A	N/A	N/A		200' Push CAM						
n/a	2016	N/A	N/A	N/A		Response Trailer						
n/a	2014	ROW	N/A	N/A		ROW/EAS CCTV unit						
85	2004	UT	82,895	110,000		1 Ton UT			46,000			
<b>TOTAL - SEWER VEHICLES and EQUIPMENT</b>							<b>\$ 36,000</b>	<b>\$ 36,000</b>	<b>\$ 122,200</b>	<b>\$ 112,200</b>	<b>\$ 40,200</b>	<b>\$ 40,200</b>

<b>RECREATION &amp; COMMUNITY PROGRAMMING VEHICLES</b>												
87	2010	SUV	93,434	115,000		For Community Prog.				\$ 36,000		

<b>COMMUNITY DEVELOPMENT VEHICLES</b>												
88	2015	SUV	57,032	115,000	Codes	Expedition						
89	2013	SUV	72,054	100,000	Health	Escape					35,000	
90	2014	SUV	53,031	100,000	Codes	Explorer						35,000
93	2006	SUV	85,825	115,000	Shared	Escape		35,000				
101	2002	SED	90,577	115,000	Health	Hybrid SUV						
<b>TOTAL - COMMUNITY DEVELOPMENT VEHICLES</b>							<b>\$ -</b>	<b>\$ 35,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 35,000</b>	<b>\$ 35,000</b>

<b>PUBLIC WORKS - HIGHWAY EQUIPMENT</b>												
BH1	2005	BH	7	20	All	Backhoe				207,000		
C1	1993	COMP	19	20		Compressor (tow )		25,500				
CB1	1988	CB	24	10	14	Clam bucket (FEL)			18,000			
CB2	1990	CB	22	10	14	Clam bucket (FEL)						
L1	2003	FEL	9	15	All	Loader						
L2	1991	FEL	21	15	6	Loader	46,700	46,700	46,700	46,700	46,700	
L3	2004	FEL	8	15	All	Loader						
LV1	1998	LV	14	10	4	Leaf Vacuum						
LV2	1999	LV	13	10	3	Leaf Vacuum						
LV3	1999	LV	13	10	3	Leaf Vacuum		13,000	13,000	13,000	13,000	13,000
S1	2013	SWP	13	10	3	Street Sweeper	46,158	46,158				
n/a	1999	PLOW	11	10		Snow Plow						
n/a	1999	PLOW	11	10		Snow Plow						
n/a	2014	N/A	N/A	2		Paint Machine		11,000				
HB	2012	HB	1	10		Hot Box						
TK	2013	TK	-	15		Tar Kettle						
RL	1994	DP	19	25		Roller			54,000			
	2017				All	Sign Board (Towable)	8,000					
<b>TOTAL - HIGHWAY EQUIPMENT</b>							<b>\$ 100,858</b>	<b>\$ 142,358</b>	<b>\$ 131,700</b>	<b>\$ 266,700</b>	<b>\$ 59,700</b>	<b>\$ 13,000</b>

<b>PUBLIC WORKS PARKS MAINTENANCE - EQUIPMENT</b>												
B2	1982	BL	30	20	10	Leaf Blower				12,500		
BF2	2007	BFM	3	10		TORO Ball Field Groome	29,000					
CH1	1992	CHP	20	12	8	Chipper						
GM2	2007	MOW	7	6		TORO (mower)	25,000	25,000	25,000	25,000		
GM1	2006	MOW	8	6		TORO (mower)	20,000	20,000	20,000			
K1	2009	MOW	4	8		Kubota (mower)		29,000				
K2	2007	MOW	6	8		Kubota (mower)	27,500					
K3	2005	MOW	8	8	-	Kubota (mower)						
K4	2004	MOW	9	8	1	Kubota (mower)						
IHC	1985	TRC	44	20	24	Tractor						
NH1	2000	TRC	14	15		Tractor		85,000				
LV4	2009	LV	4	12		Leaf Vac					91,000	
LV5	2007	LV	6	12		Leaf Vac						
NH2	2001	NH	12	15		Skid Steer				71,000		
AR1	1990	RY	23	25	3	Core Aerator			19,200			
AR2	2002	FP	11	16		Aerovator		28,750				
AR3	2010	Toro	3	20		Deep Tine Aerator						
PA1	2001	MC	12	15		Power Mower Arm						
<b>TOTAL-PARKS MAINT. EQUIPMENT</b>							<b>\$ 101,500</b>	<b>\$ 187,750</b>	<b>\$ 64,200</b>	<b>\$ 108,500</b>	<b>\$ 91,000</b>	<b>\$ -</b>

## Public Works Highway Equipment | Loader Replacement

### Description:

The Public Works Department uses “loaders”, specifically rubber tire front end loaders, daily. Loaders are classified by their bucket size; in this case the Township’s has a 2.5 cubic yard bucket. The Township’s loaders are used for the following tasks: road repair, leaf collection, snow removal, parks maintenance, emergency storm response, tree removal, truck loading, and for turning the leaf piles at Skunk Hollow.



### Justification | Benefit Derived:

The loader being requested for replacement is L2, a 1991 Michigan loader. We anticipate a fifteen-year useful life for this type of equipment; unit L2 is twenty-five years old, ten years past the anticipated useful life. Each year, considerable resources, from a human resource, and monetary resource standpoint, are used to keep this piece of equipment operating. Due to its smaller size, age, and technology, this unit does not provide the production needed. It is anticipated that again, considerable resources will be required to operate this unit in 2017. From a return on investment standpoint, this piece of equipment should be replaced.

### Current Status:

The rolling stock replacement plan was created to provide for a method to replace vehicles and equipment on a formal basis, which allows for a meaningful, specific, and a formulated plan to replace rolling stock, in this instance, a solid waste packer. Without such a plan, the Township would revert to previous years, where no formal plan was in place, and packers beyond their useful life were “band aided” to keep them on the road. These vehicles are needed, yet expensive assets that have to be managed to obtain the most use from them. Due to the lack of replacement in past years, it was determined that a five-year capital lease was the most prudent way to purchase the loader replacement.

### Financial Plan

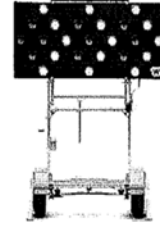
Project Sources	2017	2018	2019	2020	2021	2022
General Tax Proceeds	\$47,600	\$47,600	\$47,600	\$47,600	\$47,600	-
n/a	-	-	-	-	-	-
n/a	-	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$47,600</b>	<b>\$47,600</b>	<b>\$47,600</b>	<b>\$47,600</b>	<b>\$47,600</b>	-
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Capital Lease	47,600	47,600	47,600	47,600	47,600	-
<b>Total Financing Uses</b>	<b>\$47,600</b>	<b>\$47,600</b>	<b>\$47,600</b>	<b>\$47,600</b>	<b>\$47,600</b>	-

(NOTE: Sources must equal Uses)

**Public Works Highway Equipment | New Sign Board (Towable)**

**Description:**

The Public Works Department works on our streets daily. The safety of our personnel is paramount, and this sign board will provide advance warning to motorists that a work crew is ahead (in addition to cones and signs). This is a request for a new piece of equipment, one (1) new sign board.



**Justification | Benefit Derived:**

The requested sign board will provide a flashing “arrow”, directing oncoming traffic left, right, or straight ahead in regards to upcoming road work. This will increase the safety of our crews working on streets during the year, performing tasks which will include road repairs, storm sewer repair, inlet repair, signal or sign work, and possibly by other divisions for emergency responses.

**Current Status:**

The Public Works Department does not currently own a sign board. This is a request for a new piece of equipment.

**Financial Plan**

<b>Project Sources</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
General Tax Proceeds	\$8,000	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$8,000</b>	-	-	-	-	-
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Capital Purchase	\$8,000	-	-	-	-	-
<b>Total Financing Uses</b>	<b>\$8,000</b>	-	-	-	-	-

(NOTE: Sources must equal Uses)

**Public Works, Parks Maintenance – TORO Ball Field Groomer**

**Description:**

After evaluating the vehicle and equipment fleet in 2011, it was determined that many vehicles and pieces of equipment were past their useful life, from a dependability and cost standpoint. There was no vehicle replacement plan at that time. To address this issue, a rolling stock replacement and equipment replacement plan was created, based on years of service, life span, mileage, equipment condition, and other factors. The Township’s current ball field groomer will be ten years old in 2017, which is the estimated useful life of the unit. The phot to the right is the proposed replacement.



**Justification | Benefit Derived:**

The Parks Maintenance Ball Field Groomer is used to groom the Township’s ten baseball diamonds, three times per week, in spring, summer, and into the fall. The unit is used heavily, and has provided ten years of service. However, at this point, the mechanics can no longer keep it running, and it is in need of replacement.

**Current Status:**

The current ball field groomer is operational, but during heavy use periods is in need of repairs. This unit is also not as efficient form a time standpoint versus the proposed unit.

**Financial Plan**

<b>Project Sources</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
General Tax Proceeds	\$29,000	-	-	-	-	-
n/a	-	-	-	-	-	-
n/a	-	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$29,000</b>	-	-	-	-	-
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Capital	\$29,000	-	-	-	-	-
<b>Total Financing Uses</b>	<b>\$29,000</b>	-	-	-	-	-

(NOTE: Sources must equal Uses)

**Public Works, Parks Maintenance – Kubota Mower**

**Description:**

After evaluating the vehicle and equipment fleet in 2011, it was determined that many vehicles and pieces of equipment were past their useful life, from a dependability and cost standpoint. There was no vehicle replacement plan at that time. To address this issue, a rolling stock replacement and equipment replacement plan was created, based on years of service, life span, mileage, equipment condition, and other factors. The Township’s current ball 2017 Kubota Mower is used in conjunction with the larger TORO mower. These mowers run heavily spring through fall. They are also versatile as they are used with attachments for leaf blowing and snow blowing. The requested replacement will be a TORO mower of the same style.



**Justification | Benefit Derived:**

The Parks Maintenance is used to cut the grass in the areas inaccessible by the larger TORO mower. These units are used constantly during the grass cutting season. The proposed more trouble free operation (due to the current unit’s age), but is also four-wheel drive, which allows for safer cutting by our crew.

**Current Status:**

The current Kubota is operational, but in need of replacement. The lack of four-wheel drive reduces the efficiency and safety of the current machine.

**Financial Plan**

<b>Project Sources</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
General Tax Proceeds	\$27,500	-	-	-	-	-
n/a	-	-	-	-	-	-
n/a	-	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$27,500</b>	-	-	-	-	-
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Capital	27,500	-	-	-	-	-
<b>Total Financing Uses</b>	<b>\$27,500</b>	-	-	-	-	-

(NOTE: Sources must equal Uses)

**Radnor Township, PA**  
**Five Year Capital Plan**

---

Fire Company Contributions

Information Technology Group

Radnor TV / PEG Group

**Radnor Township, PA**  
 Departmental Capital Replacement Plan  
 As Amended with the 2017 Budget

							COST (at 2016 values)					
VEH #	YEAR	CURRENT MODEL	YEARS/ MILEAGE	UL YR/MILE	DIVISION / UNIT	REPLACEMENT VEHICLE MAKE / MODEL	2017	2018	2019	2020	2021	2022
<b>FIRE COMPANY - EQUIPMENT CONTRIBUTIONS</b>												
Radnor Fire Company							200,000	200,000	200,000	200,000	200,000	200,000
Bryn Mawr Fire Company							83,036	83,036	83,036	83,036	83,036	83,036
<b>TOTAL-PARKS MAINT. EQUIPMENT</b>							<b>\$ 283,036</b>	<b>\$ 283,036</b>	<b>\$ 283,036</b>	<b>\$ 283,036</b>	<b>\$ 283,036</b>	<b>\$ 283,036</b>
<b>INFORMATION TECHNOLOGY - SOFTWARE &amp; EQUIPMENT</b>												
Computer Replacement Program (18, 12, 11, 10, 12)							6,000	6,000	6,000	6,000	6,000	6,000
CPU Monitor Replacement Program (All depts)							2,000	2,000	2,000	2,000	2,000	2,000
Printer Replacement Program							2,000	2,000	2,000	2,000	2,000	2,000
Server Replacement Program (x1 per year)							3,000	3,000	3,000	3,000	3,000	3,000
USP Battery backup replacements							15,000				15,000	
Operating Software Updates (Microsoft Office, Windows, Adobe, etc)							5,000	5,000	5,000	5,000	5,000	5,000
Network Switches							300	300	300	300	300	300
Internet / Network Monitoring Software							4,000	4,000	4,000	4,000	4,000	4,000
Security Camera Replacement Program							3,000	3,000	3,000	3,000	3,000	3,000
Security DVR Replacement Program								5,000	5,000			
HVAC Controllers							1,000	1,000	1,000	1,000	1,000	1,000
Board / Commission Tablets (in place of paper review)								6,750				7,000
ArcView GIS							20,000	20,000				
<b>TOTAL IT SOFTWARE &amp; EQUIPMENT</b>							<b>\$ 61,300</b>	<b>\$ 58,050</b>	<b>\$ 31,300</b>	<b>\$ 26,300</b>	<b>\$ 41,300</b>	<b>\$ 33,300</b>
<b>INFORMATION TECHNOLOGY - RADNOR TV/PEG GRANT</b>												
Final Cut studio software upgrade							400	400	400	400	400	400
Leightronix Nexus to UltraNexis upgrade (and related)							16,995					
Wireless lavalier microphones for video camera								900			900	
Studio replacements and upgrades									950		3,300	
Video cameras (and related)									360	3,350		
Digital camera (and related, telephoto lens, etc)							5,500	5,500	650	3,000		
Computer, Monitor & TV replacements (Cable only)							3,000	3,000	2,000	2,000	2,000	2,000
Graphics and TV related tech. replacements								3,000			3,000	
Radnorshire Room tech. replacements / upgrades							46,600	46,600				
Payments to RS21 (80% of proceeds)							128,000	128,000	128,000	128,000	128,000	128,000
<b>TOTAL IT - RADNOR TV/PEG GRANT</b>							<b>\$ 200,495</b>	<b>\$ 187,400</b>	<b>\$ 132,360</b>	<b>\$ 136,750</b>	<b>\$ 137,600</b>	<b>\$ 130,400</b>



## Fire Company | Equipment Contributions

### Description:

The Township has agreed to financially assist our volunteer fire departments with the purchase of major fire and EMS equipment. The two fire companies that the Township supports with capital funding is the Radnor Fire Company and the Bryn Mawr Fire Company



### Justification | Benefit Derived:

The Township contributes a level dollar amount annually to each fire company, which is in addition to operating contributions (see the General Fund). These funds are to be used by the Fire Companies for the replacement of their fire and EMS apparatus and ambulances (in the case of Radnor Fire Company). The benefit of a level contribution versus providing funding only when a vehicle is replaced is that the Township has predictable, annual expenses versus large, one-time outflows. Other methods of funding these needs are available, but this is the method currently in place as directed by the Board back in 2011.

### Current Status:

n/a

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax Proceeds	\$283,036	\$283,036	\$283,036	\$283,036	\$283,036	\$283,036
<b>Total Funding Sources</b>	<b>\$283,036</b>	<b>\$283,036</b>	<b>\$283,036</b>	<b>\$283,036</b>	<b>\$283,036</b>	<b>\$283,036</b>
<b>Project Uses</b>						
Capital Contributions   Radnor FC	200,000	200,000	200,000	200,000	200,000	200,000
Capital Contributions   Bryn Mawr FC	83,036	83,036	83,036	83,036	83,036	83,036
<b>Total Financing Uses</b>	<b>\$283,036</b>	<b>\$283,036</b>	<b>\$283,036</b>	<b>\$283,036</b>	<b>\$283,036</b>	<b>\$283,036</b>

(NOTE: Sources must equal Uses)

## Information Technology | Computer Replacement

### Description:

The Township operates 90 computers across all departments. The goal is to keep computers running for approximately three (x3) years. Therefore, the plan includes funds to replace between 5 and 6 computers each year. Limiting factors include environmental conditions, operating software requirements and failing parts.



### Justification | Benefit Derived:

Technology is becoming more and more a part of how the Township communicates with stakeholders, conducts business and maintains records. In order to operate in the most efficient manner possible, having up to date, properly running computers is essential.

### Current Status:

The Township has been successfully replacing computers for years. Therefore, the current status is that our hardware component is in good shape, but only because these funds are included in the annual appropriations.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax Proceeds	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000
<b>Total Funding Sources</b>	<b>\$6,000</b>	<b>\$6,000</b>	<b>\$6,000</b>	<b>\$6,000</b>	<b>\$6,000</b>	<b>\$6,000</b>
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Capital Purchase	6,000	6,000	6,000	6,000	6,000	6,000
<b>Total Financing Uses</b>	<b>\$6,000</b>	<b>\$6,000</b>	<b>\$6,000</b>	<b>\$6,000</b>	<b>\$6,000</b>	<b>\$6,000</b>

(NOTE: Sources must equal Uses)

## Information Technology | Computer Monitor Replacement Program

### Description:

This capital allocation covers the cost of the monitor replacement for those stations that operate from a tower computer. In addition, monitors are needed for the security camera DVR, facility security monitoring, and other desks where additional computer screens are needed. The total monitor inventory for the Township is 75 monitors.



### Justification | Benefit Derived:

The monitors are just as critical as the computers. Therefore, as noted with the computer replacement program, these funds are necessary to allow departments to operate as efficiently as possible given the nature of the information, communication and transactions that occur electronically.

### Current Status:

Similar to the computer replacement program, funds have been allocated for that past five years, allowing the departments to replace monitors as needed.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax Proceeds	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000
<b>Total Funding Sources</b>	<b>\$2,000</b>	<b>\$2,000</b>	<b>\$2,000</b>	<b>\$2,000</b>	<b>\$2,000</b>	<b>\$2,000</b>
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Capital Purchase	2,000	2,000	2,000	2,000	2,000	2,000
<b>Total Financing Uses</b>	<b>\$2,000</b>	<b>\$2,000</b>	<b>\$2,000</b>	<b>\$2,000</b>	<b>\$2,000</b>	<b>\$2,000</b>

(NOTE: Sources must equal Uses)

## Information Technology | Printer Replacement Program

### Description:

The Township has mostly moved to centralized printing through large, high output leased printers. However, there are certain workstations that require dedicated printers for various reasons such as software requirements, proximity requirements, sensitive material requirements and specific printer driver requirements. The allocation identified allows for one to two replacements per year, and are only used if needed.



### Justification | Benefit Derived:

These appropriations will allow the Township to make sure those workstations that have dedicated printers are able to replace those printers when needed. In some cases, if the printer were to fail, certain departments would operationally stop until fixed (i.e. receipt printers at cashiering stations, police printers).

### Current Status:

Given the importance and the funds allocated over the past five years, the printers included in this replacement program are operating properly. However, the appropriations are always necessary in the event replacements are needed.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax Proceeds	2,000	2,000	2,000	2,000	2,000	2,000
<b>Total Funding Sources</b>	<b>\$2,000</b>	<b>\$2,000</b>	<b>\$2,000</b>	<b>\$2,000</b>	<b>\$2,000</b>	<b>\$2,000</b>
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Capital Purchase	2,000	2,000	2,000	2,000	2,000	2,000
<b>Total Financing Uses</b>	<b>\$2,000</b>	<b>\$2,000</b>	<b>\$2,000</b>	<b>\$2,000</b>	<b>\$2,000</b>	<b>\$2,000</b>

(NOTE: Sources must equal Uses)

**Information Technology | Server Replacement Program**

**Description:**

In 2016, the Township converted its six individual servers into a single, virtualized server environment. In doing so, it no longer needs to plan for annual server replacements. Instead, the server replacement program is now geared towards replacing components of the new server system. Similar to the other areas of the IT replacement program, the funds appropriated are only used if needed, and lapse at the end of each year (they do not accumulate if not used).



**Justification | Benefit Derived:**

All departments are running off the Township's server(s): If those servers fail, there is short-term emergency backup systems in place to allow operations to continue until the failure is corrected. These appropriations will allow the Township to replace failing components, ensuring that operations are not impacted for a long period of time in the event of hardware failure.

**Current Status:**

These annual appropriations are necessary planning funds. The Township's IT environment is operating properly, but only because the Township has appropriated and invested into current, up-to-date and working technology. Failure to continue to make these investments could jeopardize operations and operational efficiencies.

**Financial Plan**

<b>Project Sources</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
General Tax Proceeds	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000
<b>Total Funding Sources</b>	<b>\$3,000</b>	<b>\$3,000</b>	<b>\$3,000</b>	<b>\$3,000</b>	<b>\$3,000</b>	<b>\$3,000</b>
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Capital Purchase	3,000	3,000	3,000	3,000	3,000	3,000
<b>Total Financing Uses</b>	<b>\$3,000</b>	<b>\$3,000</b>	<b>\$3,000</b>	<b>\$3,000</b>	<b>\$3,000</b>	<b>\$3,000</b>

(NOTE: Sources must equal Uses)

## Information Technology | Uninterrupted Power Supply (UPS) Replacement Program

### Description:

The Township Building has an eight cell UPS battery backup system installed off the generator unit. These cells last for approximately five years before they need replacing. Since all cells were installed at the same time, they are all planned for replacement at the same time, every fifth year of the program.



### Justification | Benefit Derived:

In the event of power outages, these cells work with the Township generator to provide uninterrupted power to critical operations of the Township including: (a) Township building lighting and limited HVAC units; (b) the Police Department; (c) the IT servers; (d) various workstations throughout the Township; and other areas. Given the nature of the emergency response requirements of the Township, it is absolutely critical that these UPS cells are functional at all times.

### Current Status:

The cells in place now are reaching the end of their useful lives and need to be replaced in 2017.

### Financial Plan

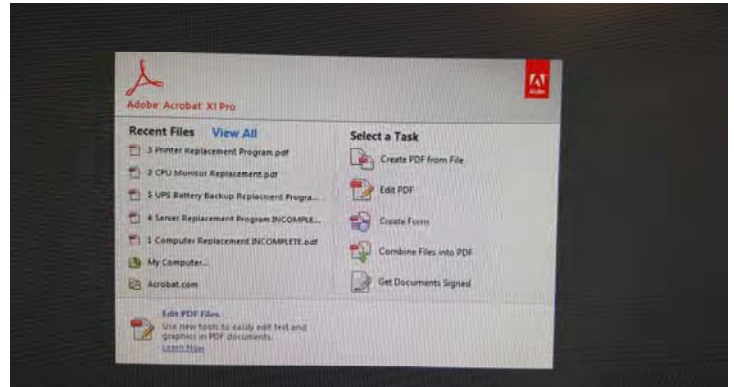
Project Sources	2017	2018	2019	2020	2021	2022
General Tax Proceeds	\$15,000	-	-	-	\$15,000	-
<b>Total Funding Sources</b>	<b>\$15,000</b>	-	-	-	<b>\$15,000</b>	-
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Capital Purchase	15,000	-	-	-	15,000	-
<b>Total Financing Uses</b>	<b>\$15,000</b>	-	-	-	<b>\$15,000</b>	-

(NOTE: Sources must equal Uses)

## Information Technology | Operating Software Updates

### Description:

The Township has gradually been migrating to cloud based operating software systems. So increasingly, this program has moved from software licensing to subscription costs; which has lessened the amount necessary under this program. However, departments also utilize specific software such as Adobe Professional and others which is why these funds are needed. Further, the IT department purchases software updates for various security systems, antivirus/ spam ware, and others.



### Justification | Benefit Derived:

These appropriations allow the Township to update outdated or expired licenses on the specific software items.

### Current Status:

These funds are critical to operations of the Township.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax Proceeds	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000
<b>Total Funding Sources</b>	<b>\$5,000</b>	<b>\$5,000</b>	<b>\$5,000</b>	<b>\$5,000</b>	<b>\$5,000</b>	<b>\$5,000</b>
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Capital Purchase	5,000	5,000	5,000	5,000	5,000	5,000
<b>Total Financing Uses</b>	<b>\$5,000</b>	<b>\$5,000</b>	<b>\$5,000</b>	<b>\$5,000</b>	<b>\$5,000</b>	<b>\$5,000</b>

(NOTE: Sources must equal Uses)

## Information Technology | Network Switch Replacement Program

### Description:

Network switches are the traffic lights for the internet traffic flowing through the fiber at the Township Building and Public Works garage. The Township currently has five (x5) network switches. Like any other hardware component, these switches have limited useful lives and need to be replaced regularly.



### Justification | Benefit Derived:

The Township has built in redundancy in its network setup, so if any one switch fails, the system continues to operate; albeit, at a lower efficiency until the switch is replaced. These appropriations are necessary to ensure that funds are allocated to purchase replacement switches as needed to keep the network running smoothly.

### Current Status:

The Township invested significant funds in 2016 to upgrade to new network switches. Interestingly, the Township has already experienced a failed switch that required replacement. Failures rarely provide any warning, which make them difficult to predict. Therefore, the annual appropriations allow for the appropriate planning.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax Proceeds	\$300	\$300	\$300	\$300	\$300	\$300
<b>Total Funding Sources</b>	<b>\$300</b>	<b>\$300</b>	<b>\$300</b>	<b>\$300</b>	<b>\$300</b>	<b>\$300</b>
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Capital Purchase	300	300	300	300	300	300
<b>Total Financing Uses</b>	<b>\$300</b>	<b>\$300</b>	<b>\$300</b>	<b>\$300</b>	<b>\$300</b>	<b>\$300</b>

(NOTE: Sources must equal Uses)



**Information Technology | Internet and Network Monitoring Software**

**Description:**

The internet and network monitoring software provides another safeguard layer to the Township’s network system. In addition to the paid subscriptions that were included in the new (2016) network agreement with Alura, where they monitor the Township’s environment remotely, this allows the Township to monitor activity on-site by the IT Coordinator.



**Justification | Benefit Derived:**

As noted throughout the IT portion of the capital plan, given the importance of the IT network and internet usage by all Township Departments; the ability to timely monitor the internet and network for active intrusions is critical. These appropriations allow the Township to keep up with the latest monitoring software.

**Current Status:**

Due to the 2016 network upgrades installed and given the fact that the Township has adequately funded this portion of the capital plan for five years; the current status is stable. However, the sophistication of malware, ransomware, and other virus types is always changing and advancing. The Township uses these funds to purchase the monitoring software to try and stay on top of those threats.

**Financial Plan**

<b>Project Sources</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
General Tax Proceeds	\$4,000	\$4,000	\$4,000	\$4,000	\$4,000	\$4,000
<b>Total Funding Sources</b>	<b>\$4,400</b>	<b>\$4,400</b>	<b>\$4,400</b>	<b>\$4,400</b>	<b>\$4,400</b>	<b>\$4,400</b>
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Other	4,000	4,000	4,000	4,000	4,000	4,000
<b>Total Financing Uses</b>	<b>\$4,000</b>	<b>\$4,000</b>	<b>\$4,000</b>	<b>\$4,000</b>	<b>\$4,000</b>	<b>\$4,000</b>

(NOTE: Sources must equal Uses)

---

## Information Technology | Security Camera Replacement Program

---

### Description:

The Township currently has security cameras installed at the Township Building, Public Works Garage, Sulpizio Gym and Encke Ball Park. There are multiple cameras installed at each site along with wiring and hardware installed in the IT office. These cameras, most of which are out in the elements, require replacing. This program plans for those failures and also establishes funds to expand the number of cameras either at current locations or new facilities.



### Justification | Benefit Derived:

The Township invests significant funds into facilities and operates in a public capacity. This environment requires surveillance for cases of theft, vandalism or other suspicious activity. These security cameras provide the police and insurance companies with visual evidence that is critical in ensuring that the Township's assets are being safeguarded and replaced when damaged.

### Current Status:

As the Township continues to invest into its facilities, the security needs continue to grow. Even at today's surveillance level, the cameras fail and need replacing. These appropriations plan for those replacements. As with other areas of the IT replacement program, the funds are only used when needed and lapse at year's end.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax Proceeds	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000
<b>Total Funding Sources</b>	<b>\$3,000</b>	<b>\$3,000</b>	<b>\$3,000</b>	<b>\$3,000</b>	<b>\$3,000</b>	<b>\$3,000</b>

### Project Uses

Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Capital Purchase	3,000	3,000	3,000	3,000	3,000	3,000
<b>Total Financing Uses</b>	<b>\$3,000</b>	<b>\$3,000</b>	<b>\$3,000</b>	<b>\$3,000</b>	<b>\$3,000</b>	<b>\$3,000</b>

(NOTE: Sources must equal Uses)

## Information Technology | Security DVR Replacement Program

### Description:

The Township currently has five (x5) security DVR units; two at the Township Building, one at Sulpizio, one at Public Works, and one in Encke Park. These units, similar to computers, have a limited useful life of approximately four / five years. Similar to the replacement of the security cameras, the DVR's need to be replaced to keep the security surveillance program running properly.



### Justification | Benefit Derived:

The DVR's are critical as they record activity over a period of time. This allows the Township to go back in time and extract surveillance video. Without this component of the security system, the Township would have to have someone monitoring the cameras at all times in order to react as inappropriate activity is occurring.

### Current Status:

The current status is that the DVR's are up and running appropriately. However, similar to other areas of the IT capital program, the DVR's are working properly because the Township has funded the needed replacements over time. These appropriations allow for replacements in a timely fashion.

### Financial Plan

	2017	2018	2019	2020	2021	2022
<b>Project Sources</b>						
General Tax Proceeds	-	\$5,000	\$5,000	-	-	-
<b>Total Funding Sources</b>	-	\$5,000	\$5,000	-	-	-
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Capital Purchase	-	\$5,000	\$5,000	-	-	-
<b>Total Financing Uses</b>	-	\$5,000	\$5,000	-	-	-

(NOTE: Sources must equal Uses)

## Information Technology | HVAC Controller Replacement Program

### Description:

The Township Building has fifty (x50) HVAC units. Each unit is controlled by this unit centrally by the IT Coordinator.



### Justification | Benefit Derived:

In order for the HVAC units to operate, these controllers are necessary. As they controllers fail, the HVAC unit fails to operate. Therefore, it is critical to plan for the replacement of these controllers on a regular basis.

### Current Status:

The current HVAC units are reaching the end of their useful lives and are starting to fail. Note that this budget item is not replacing the full HVAC unit, only the controller. These control units are failing as well. These appropriations provide the necessary funding to replace controllers as they fail, in a timely manner. Similar to other areas of the IT capital plan, these funds are only used if needed and lapse at the end of the year.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
Funding Source #1	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000
<b>Total Funding Sources</b>	<b>\$1,000</b>	<b>\$1,000</b>	<b>\$1,000</b>	<b>\$1,000</b>	<b>\$1,000</b>	<b>\$1,000</b>
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Capital Purchase	1,000	1,000	1,000	1,000	1,000	1,000
<b>Total Financing Uses</b>	<b>\$1,000</b>	<b>\$1,000</b>	<b>\$1,000</b>	<b>\$1,000</b>	<b>\$1,000</b>	<b>\$1,000</b>

(NOTE: Sources must equal Uses)

**Information Technology | Board of Commissioner Tablets**

**Description:**

This program is projected for 2018 and would fund the purchase of seven tablets that would be distributed to Board of Commissioner members.



**Justification | Benefit Derived:**

The purpose would be to eliminate the distribution of paper agenda packets. This would allow for Township related documentation to be pushed to the Commissioners electronically. At the same time, Commissioners who establish dedicated Township email accounts could house that activity on a tablet, separate from personal email / computing devices. The appropriations included in the capital plan would allow for the purchase of seven (x7) tablets in 2018 and then replacing those tablets in 2021 (and every five years moving forward).

**Current Status:**

Currently, the Board packets are prepared electronically and distributed via DropBox as well as paper copies (to those Commissioners requesting paper copies). The hope would be to eliminate paper packets entirely in order to be more environmentally conscience and to save time / money.

**Financial Plan**

<b>Project Sources</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
General Tax Proceeds	-	\$6,750	-	-	-	\$7,000
<b>Total Funding Sources</b>	-	<b>\$6,750</b>	-	-	-	<b>\$7,000</b>
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Capital Purchase	-	6,750	-	-	-	\$7,000
<b>Total Financing Uses</b>	-	<b>\$6,750</b>	-	-	-	<b>\$7,000</b>

(NOTE: Sources must equal Uses)

---

## Information Technology | ArcView GIS Purchase

---

### Description:

The Township's GIS system is currently outdated and no longer operates on today's operating systems. The appropriations in 2017 and 2018 represent the continuation of the project started in 2016 with approved funds from the Board of Commissioners. The replacement of the software is currently underway.

The GIS software houses all of the Township property data, zoning, infrastructure, and other details. The system is accessed daily and is critical to the Engineering, Community Development and Public Works departments.



### Justification | Benefit Derived:

The software is critical to the operation of the Township's Engineering, Community Development, and Public Works Departments. The software is accessed daily and is needed to respond to plan applications, resident inquiries, engineering projects and more.

### Current Status:

The current software is completely outdated and no longer runs on today's Windows platforms, nor does it interface with other engineering and other software systems that Township departments operate with.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax Proceeds	\$20,000	\$20,000	-	-	-	-
<b>Total Funding Sources</b>	<b>\$20,000</b>	<b>\$20,000</b>	-	-	-	-

### Project Uses

Planning   Engineering   Legal						
Right-of-Way (if needed)						
Construction						
Inspection						
Contingency						
Capital Purchase	\$20,000	\$20,000	-	-	-	-
<b>Total Financing Uses</b>	<b>\$20,000</b>	<b>\$20,000</b>	-	-	-	-

(NOTE: Sources must equal Uses)

## Radnor TV / PEG Grant | Final Cut Studio Software Upgrade

### Description:

Final Cut Studio software is used to record, edit, save and share all of the Township's recorded public meetings. Additionally, the software is used to compile other RTV productions such as Radnor 411, 30 Minutes with the Manager, Radnor Health Matters, Radnor 911 and others.



### Justification | Benefit Derived:

Each year, Final Cut rolls out software updates. The appropriations included allow for the purchase of those upgrades which keeps the Township current on the technology. Given the number of recorded meetings, this service provided by the Township is considered high priority. Further, the funds to pay for these updates are paid for through the PEG contributions resulting from the Township's franchise agreements with Verizon and Comcast.

### Current Status:

The Final Cut Studio software is current because the Township has appropriated for the annual upgrades.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax Proceeds	-	-	-	-	-	-
Cable Franchise PEG Funds	400	400	400	400	400	400
<b>Total Funding Sources</b>	<b>\$400</b>	<b>\$400</b>	<b>\$400</b>	<b>\$400</b>	<b>\$400</b>	<b>\$400</b>
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Capital Purchase	400	400	400	400	400	400
<b>Total Financing Uses</b>	<b>\$400</b>	<b>\$400</b>	<b>\$400</b>	<b>\$400</b>	<b>\$400</b>	<b>\$400</b>

(NOTE: Sources must equal Uses)

**Radnor TV / PEG Grant | UltraNexus Upgrade**

**Description:**

The Radnorshire Room’s recording equipment and software is currently the Leightronix UltraNexus. This project would upgrade the Township to their latest platform called UltraNexus-HD. The equipment and software is located in the control room and is funded through the Radnor TV / PEG funds.



**Justification | Benefit Derived:**

The equipment and software is getting dated, having been in place since the Township Building opened in 2008. The justification is that given the number and importance of recording the public meetings that take place at the Township Building, having the latest in equipment and software is important to make sure that any equipment failure is fixable with current technology and that the recorded product keeps up with changing technology.

**Current Status:**

As noted above, the current equipment and software is dated. In the past year, significant hardware failures have occurred, rendering live productions impossible for periods of time. As the technology becomes older, those down times will lengthen or even force the township into an upgrade.

**Financial Plan**

	2017	2018	2019	2020	2021	2022
<b>Project Sources</b>						
General Tax Proceeds	-	-	-	-	-	-
Cable Franchise PEG Funds	\$16,995					
<b>Total Funding Sources</b>	\$16,995					
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Other	16,995					
<b>Total Financing Uses</b>	\$16,995					

(NOTE: Sources must equal Uses)



**Radnor TV / PEG Grant | Wireless Lavalier Microphones Replacements**

**Description:**

This would replace the two current wireless microphones used by RTV. These microphones would allow for recording without the microphone being hard-wired to the video camera. This technology benefits the quality of productions and is paid for through the PEG funds.



**Justification | Benefit Derived:**

The current microphones are reaching the end of their useful lives, having been in use since the building opened in 2008. These appropriations would allow for the replacement in 2018.

**Current Status:**

The current microphones work, most of the time. However, they are experiencing more and more failures as a result of reaching the end of their useful lives.

**Financial Plan**

<b>Project Sources</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
General Tax Proceeds	-	-	-	-	-	-
Cable Franchise PEG Funds	-	\$900	-	-	-	-
<b>Total Funding Sources</b>	-	<b>\$900</b>	-	-	-	-
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Capital Purchase	-	900	-	-	-	-
<b>Total Financing Uses</b>	-	<b>\$900</b>	-	-	-	-

(NOTE: Sources must equal Uses)

**Radnor TV / PEG Grant | Studio Enhancements**

**Description:**

The Radnor TV studio was moved to the vacant space next to the Finance Department on the 2<sup>nd</sup> Floor of the Township Building in 2016. The enhancements include hanging curtains (different colors), as well as some sound walls (temporary). The capital plan includes the curtains in 2019 and the sounding walls in 2021. Funds for these enhancements would come from the PEG Grant funds.



**Justification | Benefit Derived:**

The curtains and sound walls would enhance productions by improving background scenes / colors and sound. Additional productions would be capable including green screen overlays and various other background enhancements.

**Current Status:**

As seen in the picture above; there are no options for background or sound enhancements. The space is simply open office space.

**Financial Plan**

	2017	2018	2019	2020	2021	2022
<b>Project Sources</b>						
General Tax Proceeds	-	-	-	-	-	-
Cable Franchise PEG Funds	-	-	\$950	\$3,350	-	-
<b>Total Funding Sources</b>	-	-	\$950	\$3,350	-	-
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Capital Purchase	-	-	950	3,350	-	-
<b>Total Financing Uses</b>	-	-	\$950	\$3,350	-	-

(NOTE: Sources must equal Uses)

**Radnor TV / PEG Grant | Video Camera Replacement Program**

**Description:**

Radnor TV currently has six video cameras in the Radnorshire room (permanently mounted), one camera mounted on a movable cart and another non-mounted camera. The funds included here are for the replacement of the movable cameras. The plan would be to add a cart in 2019 then replace the cameras in 2020 with PEG funds.



**Justification | Benefit Derived:**

These movable cameras are used for all of the non-public meeting tapings and productions which include Radnor 411, 30 Minutes with the Manager, Radnor Health Matters, Radnor 911, special departmental productions, meetings outside the Radnorshire Room, and more. Without these cameras, the productions would not be possible.

**Current Status:**

The current cameras are eight years old, out of date and in need of replacement. The plan is to get ten years out of the cameras before placing them.

**Financial Plan**

<b>Project Sources</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
General Tax Proceeds	-	-	-	-	-	-
Cable Franchise PEG Funds	-	-	360	\$3,350	-	-
<b>Total Funding Sources</b>	-	-	<b>\$360</b>	<b>\$3,350</b>	-	-
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Capital Purchase	-	-	\$360	3,350	-	-
<b>Total Financing Uses</b>	-	-	<b>\$360</b>	<b>\$3,350</b>	-	-

(NOTE: Sources must equal Uses)

**Radnor TV / PEG Grant | Digital Camera (and related) Replacement**

**Description:**

The Township currently owns two digital cameras. They are used for photographing all Township assets, events, personnel, storm related damage, and other publication images. One camera is almost ten years old while the other is five years old. They are used almost daily and the funds for their replacement would come from the PEG Grant. The plan would be to replace the older one in 2017 and the other one in 2018. Then in 2019 and 2020 would be purchases of replacement cases and photo editing software.



**Justification | Benefit Derived:**

The cameras are used significantly. Replacement of the cameras would ensure that they are reliably ready when needed and that the quality of the images is current with today’s technology. Additionally, the necessary cases, lenses and software would allow for the safekeeping of the cameras and to enhance our photo-editing capabilities.

**Current Status:**

The 2008 camera is past it’s useful life and needs to be replaced in 2017. In fact, we are using the 2012 camera almost exclusively as a result of the poor image quality of the older one. The 2012 camera is working, but is behind on technological advances, which is why it is planned to be replaced in 2018.

**Financial Plan**

<b>Project Sources</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
General Tax Proceeds	-	-	-	-	-	-
Cable Franchise PEG Funds	\$5,500	\$5,500	\$650	\$3,000	-	-
<b>Total Funding Sources</b>	<b>\$5,500</b>	<b>\$5,500</b>	<b>\$650</b>	<b>\$3,000</b>	-	-
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Capital Purchase	\$5,500	\$5,500	\$650	\$3,000	-	-
<b>Total Financing Uses</b>	<b>\$5,500</b>	<b>\$5,500</b>	<b>\$650</b>	<b>\$3,000</b>	-	-

(NOTE: Sources must equal Uses)

**Radnor TV / PEG Grant | Computer Replacement Program**

**Description:**

Radnor TV has two computers: A Windows computer which is used for all Township related functionality including emails, newsletter work, website updating, word processing, spreadsheets, etc. Additionally, Radnor TV has an Apple computer which houses the video editing software and is used to create all the video output files (aired via YouTube, RTV, etc). This line item allows for the replacement of these machines and monitors utilizing Radnor PEG funds. Note: These computers are not part of the IT computer and monitor replacement program because this has dedicated funding.



**Justification | Benefit Derived:**

These computers are necessary for the operation of the Radnor TV division. Additionally, with regard to the video editing software, Apple produces machines that are much more efficient and reliable when working with those file types. In order to continue to produce the meeting videos and other produced videos, these computers need to be replaced timely, with current technology.

**Current Status:**

The Township has used the PEG funds to appropriate funds in order to keep these machines up to date. The plan is to replace both as needed to keep up with technology and ensure that there are no video down-times resulting from computer failure.

**Financial Plan**

<b>Project Sources</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
General Tax Proceeds	-	-	-	-	-	-
Cable Franchise PEG Funds	\$3,000	\$3,000	\$2,000	\$2,000	\$2,000	\$2,000
<b>Total Funding Sources</b>	<b>\$3,000</b>	<b>\$3,000</b>	<b>\$2,000</b>	<b>\$2,000</b>	<b>\$2,000</b>	<b>\$2,000</b>
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Capital Purchase	3,000	3,000	2,000	2,000	2,000	2,000
<b>Total Financing Uses</b>	<b>\$3,000</b>	<b>\$3,000</b>	<b>\$2,000</b>	<b>\$2,000</b>	<b>\$2,000</b>	<b>\$2,000</b>

(NOTE: Sources must equal Uses)

## Radnor TV / PEG Grant | Graphics and TV Related Technology Replacements

### Description:

Radnor TV includes several units that house graphic cards including the control room equipment as well as the computers used for editing videos and / or pictures and the website. This item allows for the periodic replacement and upgrade of those graphic and TV technology items. The plan includes expenses in 2018 and 2021, funded entirely with PEG funds.



### Justification | Benefit Derived:

As noted with other areas of the Radnor TV / PEG division, the quality and reliability of the services and products offered depends on the graphic and TV technology available. This replacement and upgrade would allow for higher quality productions and reliable service delivery.

### Current Status:

The current status is that the graphic and TV technology is getting dated and needs replacement. In doing so, only upgraded versions of the graphic and TV technology is available. As noted, these purchases would come from PEG funds.

### Financial Plan

	2017	2018	2019	2020	2021	2022
<b>Project Sources</b>						
General Tax Proceeds	-	-	-	-	-	-
Cable Franchise PEG Funds	-	\$3,000	-	-	\$3,000	-
<b>Total Funding Sources</b>	-	<b>\$3,000</b>	-	-	<b>\$3,000</b>	-
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Capital Purchase	-	3,300	-	-	3,000	-
<b>Total Financing Uses</b>	-	<b>\$3,000</b>	-	-	<b>\$3,000</b>	-

(NOTE: Sources must equal Uses)

**Radnor TV / PEG Grant | Radnorshire Room Replacements / Upgrades**

**Description:**

The Radnorshire Room houses meetings that are aired live and recorded for replay capabilities almost every weeknight. Even when meetings are not video-taped, the technology in the room needs to be updated periodically. The plan is to replace the microphone system, the video cameras, monitors, projectors, wiring, and control room components in a two-year period (2017 and 2018); paid entirely from PEG funds.



**Justification | Benefit Derived:**

The current components in the Radnorshire Room are getting dated and are starting to indicate failure. At the same time, the microphones are not replaceable as the manufacturer no longer manufactures them. If a microphone fails, we cannot replace it. Further, the projectors and video cameras will be nine or ten years old when replaced, which is appropriate given their useful lives. Then, each component has wiring and a corresponding piece of equipment in the control room that would need to be replaced. The benefit of these replacements/upgrades would be to ensure that public meetings can continue to be video-taped/aired live and that the technology that allows these meetings to occur would be running efficiently, with no down-time.

The estimates included in the financial plan below were generated by meeting with various vendors to spec the replacements, considering the original cost of installation and assisting with compiling a needs assessment as part of the cable franchise negotiations.

**Current Status:**

As noted, the microphone situation is critical and needs to be addressed in 2017. At the same time, replacing video cameras, monitors, projectors and the related wiring and equipment needs to occur as well.

**Financial Plan**

<b>Project Sources</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
General Tax Proceeds	-	-	-	-	-	-
Cable Franchise PEG Funds	\$46,600	\$46,000	-	-	-	-
<b>Total Funding Sources</b>	<b>\$46,000</b>	<b>\$46,000</b>	-	-	-	-
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Capital Purchase	\$46,000	\$46,000	-	-	-	-
<b>Total Financing Uses</b>	<b>\$46,000</b>	<b>\$46,000</b>	-	-	-	-

(NOTE: Sources must equal Uses)

**Radnor TV / PEG Grant | 80% Contribution to Radnor Studio 21**

**Description:**

The PEG Funds are required to be used for Public, Education and Government Functions. The Township offers the Government portion with our Radnor TV, Cable, Web and Communication division within the Finance Department. The Township has elected to outsource the Public portion of the PEG requirement. In doing so, the Township has agreed to distribute 80% of the PEG funds received from Verizon to Radnor Studio 21 to cover their capital needs in providing public access television opportunities.

See Radnor Studio TV for more details on the use of the 80% revenue share.



**Justification | Benefit Derived:**

See Radnor Studio TV for justification and benefit's derived.

**Current Status:**

The amounts shown in the Fiscal Plan section represent an estimate based on historical PEG funding from Verizon. Please also note that that Township contributes 100% of the Comcast PEG funds to Radnor Studio 21. The accounting for that transaction has historically been in the General Fund, so it's not reported in the Capital Plan, like the Verizon PEG funds.

**Financial Plan**

<b>Project Sources</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
General Tax Proceeds	-	-	-	-	-	-
Cable Franchise PEG Funds	\$128,000	\$128,000	\$128,000	\$128,000	\$128,000	\$128,000
<b>Total Funding Sources</b>	<b>\$128,000</b>	<b>\$128,000</b>	<b>\$128,000</b>	<b>\$128,000</b>	<b>\$128,000</b>	<b>\$128,000</b>
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Other   Revenue Share to RS21	128,000	128,000	128,000	128,000	128,000	128,000
<b>Total Financing Uses</b>	<b>\$128,000</b>	<b>\$128,000</b>	<b>\$128,000</b>	<b>\$128,000</b>	<b>\$128,000</b>	<b>\$128,000</b>

(NOTE: Sources must equal Uses)



# Radnor Township, PA

## Five Year Capital Plan

---

### Capital Projects Group:

- Sanitary Sewer Group
- Road & Bridge Construction Group
  - Liquid Fuels Portion
  - Township Funds Portion

**Radnor Township, PA**  
Capital Projects and Infrastructure  
As Amended with the 2017 Budget

Expenditure	COST (at 2016 values)					
	2017	2018	2019	2020	2021	2022
<b>Sanitary Sewer Group</b>						
Emergency Spot Repairs (pipe sections, manholes)	20,000	20,000	20,000	20,000	20,000	20,000
Replace Pipe runs/ Man holes from CCTV (1,000 LF/year)		125,000	125,000	125,000	125,000	125,000
Engineering Estimate (for future project list)		65,000				
K of P Pump Sation - Upgrade/Rehab				150,000	1,200,000	
Woods Pumping Station			100,000	450,000		
Ithan Mills						
Replace Hermitage Pump Station			340,000			
Courtney - remove station						
<b>Total - Sanitary Sewer</b>	<b>\$ 20,000</b>	<b>\$ 210,000</b>	<b>\$ 585,000</b>	<b>\$ 745,000</b>	<b>\$ 1,345,000</b>	<b>\$ 145,000</b>
<b>Road &amp; Bridge Construction - Liquid Fuels</b>						
Road Resurfacing Funding	948,020	841,049	762,300	784,083	806,410	829,295
<b>Total - Road &amp; Bridge Construction</b>	<b>\$ 948,020</b>	<b>\$ 841,049</b>	<b>\$ 762,300</b>	<b>\$ 784,083</b>	<b>\$ 806,410</b>	<b>\$ 829,295</b>
<b>Road &amp; Bridge Construction</b>						
Road Resurfacing Funding: Township Portion (new)	<b>51,980</b>	<b>158,951</b>	<b>237,700</b>	<b>215,917</b>	<b>193,590</b>	<b>170,705</b>
Bridge Repairs per Inspection Reports	45,000		50,000		50,000	
Sidewalk: N.Wayne (Higgins Sponsored)/ Grant Offset						
Sidewalk: Morris Rd/Old Sugartown (Curley Sponsored)						
Wing Wall Repair Replacement, Repair						
North Wayne Crosswalk						
Street Light Fixture and Pole Replacement Program	45,000	15,000	15,000	15,000	15,000	15,000
Radnor Chester/ K of P Wall	Developer Paid / Grant at \$55,000					
Fairview Dr. Drainage Project						
Ithan/Browning & Northwoods Aqua Paving						
Crosswalk: Moscia & S. Devon						
Crosswalk: St. Davids & Aberdeen Tr.						
Interchange: Gryphon Structure			150,000			
Interchange: Overpass Painting		150,000				
Interchange: Carin Structure	50,000					
Commissioner Continquency Projects	150,000	150,000	150,000	150,000	150,000	150,000
<b>Total - Road &amp; Bridge Construction</b>	<b>\$ 341,980</b>	<b>\$ 473,951</b>	<b>\$ 602,700</b>	<b>\$ 380,917</b>	<b>\$ 408,590</b>	<b>\$ 335,705</b>

## Annual Road Resurfacing Program

### Description:

This is the Township's annual road resurfacing program. Depending on the amount of funding from the State Liquid Fuel program and any additional amount authorized by the Board of Commissioners, the Township will bid out the resurfacing program. Historical pricing suggests that we should anticipate a cost of \$86/ton in place. At that rate would cost \$150,000 to mill and resurface 1 double lane mile of road. The Township has 85.37 double lane miles. Staff recommendation is to maintain a 12 year resurfacing cycle, which would require annual funding of approximately \$1,000,000 (at today's prices).



### Justification | Benefit Derived:

The roads chosen for resurfacing each year is determined by a condition survey. For 2017, DeBaron Lane, Barcladen, Barcladen Circle, Fairfax, Hickory, Barley Cone, Buckingham, Black Friar, Hawthorne, and Old Oaks are under consideration because many of these roads were affected by recent utility work. Other roads being considered are Abrahams Lane, Garret Avenue, amongst many more. In the late winter, when we have a chance to see if any roads were deleteriously affected by the freeze/thaw, we evaluate all roads in the queue, prioritize, and then resurface according to the budgeted amount.

### Current Status:

The Township is required to spend down the SLFF annually on qualifying projects. Therefore, the decision points for the Township include (a) whether to include the additional funding to keep a 12-year cycle, or remain at an approximate 19-year cycle; and (b) what roads to resurface.

If the Township elects to not include additional funding for the roads, the financial plan table below will be amended to eliminate the township portion. At the same time, the roads identified in the Justification section above will be amended to remove the unfunded roads from the list.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
State Liquid Fuels Funding	948,020	841,049	762,300	784,083	806,410	829,295
Township Tax Sources	52,000	179,000	258,000	236,000	214,000	191,000
<b>Total Funding Sources</b>	<b>1,000,010</b>	<b>1,020,049</b>	<b>1,020,300</b>	<b>1,020,083</b>	<b>1,020,410</b>	<b>1,020,295</b>
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Construction   SLFF Portion	948,020	841,049	762,300	784,083	806,410	829,295
Construction   Township Portion	52,000	179,000	258,000	236,000	214,000	191,000
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Other	-	-	-	-	-	-
<b>Total Financing Uses</b>	<b>1,000,010</b>	<b>1,020,049</b>	<b>1,020,300</b>	<b>1,020,083</b>	<b>1,020,410</b>	<b>1,020,295</b>

(NOTE: Sources must equal Uses)

## Road & Bridge Construction | Bridge Repairs per Inspection Reports

### Description:

Through a program with the Pennsylvania Department of Transportation, Radnor Township receives evaluations of bridges in the Township that have a span of twenty feet or greater. The “Repairs Per Inspection Reports” is a request for funding to address deficiencies noted in these reports.



### Justification | Benefit Derived:

The purpose of this funding request is to provide the ability to address deficiencies noted in bridge evaluation reports. These repairs can include (but are not limited to): signage, scour, minor structural repairs, guide rail, etc. In the event a large structural (> \$45,000) item was noted, a request regarding this specific repair would be made. It is anticipated that multiple repairs, on multiple bridges would be addressed with this funding.

### Current Status:

Upon receipt of the 2017 reports, based on their content, work would begin.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax Proceeds	\$45,000	-	\$50,000	-	\$50,000	-
n/a	-	-	-	-	-	-
n/a	-	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$45,000</b>	<b>-</b>	<b>\$50,000</b>	<b>-</b>	<b>\$50,000</b>	<b>-</b>
<b>Project Uses</b>						
Planning   Engineering   Legal	8,000	-	10,000	-	10,000	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	37,000	-	40,000	-	40,000	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Other	-	-	-	-	-	-
<b>Total Financing Uses</b>	<b>\$45,000</b>	<b>-</b>	<b>\$50,000</b>	<b>-</b>	<b>\$50,000</b>	<b>-</b>

(NOTE: Sources must equal Uses)

## Road & Bridge Construction | Street Light Fixture and Pole Replacement Program

### Description:

Radnor Township owns all street lights on streets within its borders (this does not include lights on privately owned parking lots or streets). The replacement plan is intended to replace street light fixtures which can no longer be repaired, leaving replacement as the only option. Street light poles that are in disrepair would also be replaced under this program.



### Justification | Benefit Derived:

The Township owns older street light fixtures that have bulbs that can no longer be replaced. There are also many poles that are severely discolored, rusted, or in various states of disrepair. The purpose of this plan is to replace the street light fixtures and poles, anticipated at twenty-five street light fixtures and five poles, for year 2017. This plan would be a pro-active method of street light maintenance.

### Current Status:

The current program is to replace poles and fixtures when damaged or they are out.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax Proceeds	\$45,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000
<b>Total Funding Sources</b>	<b>\$45,000</b>	<b>\$15,000</b>	<b>\$15,000</b>	<b>\$15,000</b>	<b>\$15,000</b>	<b>\$15,000</b>
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	\$45,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Other	-	-	-	-	-	-
<b>Total Financing Uses</b>	<b>\$45,000</b>	<b>\$15,000</b>	<b>\$15,000</b>	<b>\$15,000</b>	<b>\$15,000</b>	<b>\$15,000</b>

(NOTE: Sources must equal Uses)

## Road & Bridge Construction– Public Works, Cairn Structure

### Description:

A cairn, literally translated, is a man-made pile of stones, which can range in many shapes and sizes. Radnor Township’s Cairn, located atop a hill near the Blue Route, is an ode to the Township’s Welsh heritage. It provides beautification to a rather non-descript fill along the Blue Route. The Cairn is owned by the Township, and the Public Works Department cuts the grass leading to, and surrounding the Cairn.



### Justification | Benefit Derived:

The Township’s Cairn, a large, domed shaped pile of stones, built in the late 1980’s, is in disrepair. Along its western face, the large boulders that make up the cairn have fallen out of place. There are other areas along the cairn where this is occurring. The replacement of this type of structure should be performed by a specialized contractor, and the repair designed and overseen by firm knowledgeable in this type of structure.

### Current Status:

The current status of the Cairn is one of disrepair, awaiting requested funding for repair.

The estimated was modified pursuant to the Board’s motion adopted on November 21, 2016 reducing the funding from \$150,000 to \$50,000 in 2017.

### Financial Plan

	2017	2018	2019	2020	2021	2022
<b>Project Sources</b>						
General Tax Proceeds	\$50,000	-	-	-	-	-
n/a	-	-	-	-	-	-
n/a	-	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$50,000</b>	-	-	-	-	-
<b>Project Uses</b>						
Planning   Engineering   Legal	\$15,000	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	\$35,000	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
*Other	-	-	-	-	-	-
<b>Total Financing Uses</b>	<b>\$50,000</b>	-	-	-	-	-

(NOTE: Sources must equal Uses)

\*Costs associated with mobilization, permitting, and access along S.R 476.

## Road & Bridge Construction– Board of Commissioner Contingency

### Description:

This is an annual allotment of funds included in the Capital Plan for unplanned, emergency or time constrained projects. These funds would only be utilized if projects are identified outside of the normal planning process. If funds are not used, then the appropriations would lapse at year end (and not be added to a future year's budget).



### Justification | Benefit Derived:

Each project would be evaluated and justified based on its own merit.

### Current Status:

There are no current appropriations for these types of projects. However, each year, there are one or two projects that come up during the year (outside of the planning process) that are considered either an emergency or are required matches for time specific grant applications. The current method of funding these types of projects is to pull from cash balance: However, if the longer-term plan is to spend down the cash balance in the capital fund, then appropriations should be included and funded in the plan to accommodate these types of projects.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax Proceeds	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
n/a	-	-	-	-	-	-
n/a	-	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	150,000	150,000	150,000	150,000	150,000	150,000
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Other	-	-	-	-	-	-
<b>Total Financing Uses</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>

(NOTE: Sources must equal Uses)

# **Radnor Township, PA**

## **Five Year Capital Plan**

---

Capital Projects Group (cont'd):

- Facilities Group



**Radnor Township, PA**  
Capital Projects and Infrastructure  
As Amended with the 2017 Budget

Expenditure	COST (at 2016 values)					
	2017	2018	2019	2020	2021	2022
<b>Facilities</b>						
<b>Library :</b>						
HVAC, ADA Restrooms, Elevator 50% grant match						
Repoint stone walls						
Repair patio concrete						
Repair Sidewalk & Install Ramp						
Replace A/C Fencing						
<b>Subtotal, Library</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Public Works Facility:</b>						
Roof Repairs						
Parking Lot Paving				175,000		
Replace two bays' garage doors (panels)						
Tire Changer & Drill Press	15,000					
Tire Balancer						
Modernize Facility Gate Operator	8,000					
LED Lighting		50,000				
Roof Repairs / Roof Replacement			136,000			
Rebuild Lifts	12,000					
<b>Subtotal, Public Works Facility</b>	\$ 35,000	\$ 50,000	\$ 136,000	\$ 175,000	\$ -	\$ -
<b>Municipal Building:</b>						
Parking Lot –seal & stripe		41,000				
Roofing - repairs						
HVAC						225,000
Workout Room Improvements						
LED Upgrades		50,000				
Carpet, ceiling tiles						
<b>Subtotal, Municipal Building</b>	\$ -	\$ 91,000	\$ -	\$ -	\$ -	\$ 225,000
<b>Senior Center:</b>						
Window Replace/ Heating Replace						
Sidewalk: Upper/Lower Parking lot connection						
<b>Subtotal, Senior Center</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Municipal Parking Lots - Resurfacing:</b>						
South Wayne Lot	200,000					
N. Wayne Lot			250,000			
Waynewood Lot						26,000
West Ave Store Front Lots	36,000					
N. Wayne Ave store fronts						
Lancaster Ave store fronts						
Louella Ave Lot						
Louella Court Lots		50,000				
S. Wayne @ W. Wayne Lot				20,000		
<b>Subtotal, Municipal Parking Lots</b>	\$ 236,000	\$ 50,000	\$ 250,000	\$ 20,000	\$ -	\$ 26,000
<b>Creutzberg Center</b>						
Lighting Improvements (per Agreement)						
Mansion Repairs/Code Upgrades						
<b>Subtotal, Creutzburg Center</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total - Facilities</b>	\$ 271,000	\$ 191,000	\$ 386,000	\$ 195,000	\$ -	\$ 251,000

**Facilities | Public Works | Tire Changer & Drill Press**

**Description:**

The tire changer is used to maintain the tires on the Township’s fleet of Police Vehicles, Public Works Vehicles (dump trucks, trash trucks, pick-up trucks), and Administrative Vehicles. The drill press is constantly in use maintaining the aforementioned vehicles.



**Justification | Benefit Derived:**

These two pieces of equipment are used many times per week, changing tires on all Township vehicles and maintaining equipment, respectively. The tire changer is costing the Township money in the form of repairs, as well as lost man hours in productivity. The drill press no longer has the power/speed to perform work in a productive manner. The age of these two pieces of equipment preclude repair.

**Current Status:**

The current status of these two items is one of being used, but at a monetary and human resources cost.

**Financial Plan**

<b>Project Sources</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
General Tax Proceeds	\$15,000	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$15,000</b>	-	-	-	-	-
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Capital Purchase	\$15,000	-	-	-	-	-
<b>Total Financing Uses</b>	<b>\$15,000</b>	-	-	-	-	-

(NOTE: Sources must equal Uses)

**Facilities: Public Works Facility; Modernize Facility Gate Operator**

**Description:**

The Public Works Facility is a closed compound, with an electronic gate operator. This gate operator has a key pad for afterhours use by Police, Public Works, and the Radnor Fire Company.



**Justification | Benefit Derived:**

The electronic gate operator allows efficient opening and closing of the gate while providing security in the form of a key pad for the user’s vehicle ID. The current gate operator was installed at the time the Public Works Facility was built, and does not meet today’s safety standards in regards to warning so for opening and closing. The gates age also precludes all but minor repairs; it is anticipated that the actual operator will need replacement this year. In being proactive, the operator can be replaced, and modern safety standards implemented.

**Current Status:**

The current status of these two items is one of being used, but not under current safety standards.

**Financial Plan**

	2017	2018	2019	2020	2021	2022
<b>Project Sources</b>						
General Tax Proceeds	\$8,000	-	-	-	-	-
n/a	-	-	-	-	-	-
n/a	-	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$8,000</b>	-	-	-	-	-
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Inspection	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Equipment	8,000	-	-	-	-	-
<b>Total Financing Uses</b>	<b>\$8,000</b>	-	-	-	-	-

(NOTE: Sources must equal Uses)

**Facilities: Municipal Parking Lots; Resurfacing: South Wayne Avenue Municipal Parking Lot**

**Description:**

Radnor Township owns municipal parking lots in Wayne and Bryn Mawr. These lots are metered by the Township’s kiosk system. As part of a six-year plan, these lots are to be resurfaced. The lot being requested for resurfacing is the “South Wayne Lot”, viewed in the picture to the right. This lot is used for parking, by patrons of the establishments in Wayne, the Radnor Memorial Library, amongst others. It has also been the stage for the Recreation and Community Programming Department’s Truck Zoo event. This parking lot also houses the 1922 Radnor War Memorial (upper right corner).



**Justification | Benefit Derived:**

The South Wayne Lot, as noted above, is at times, heavily used. The parking lot exhibits many paving deficiencies: alligating, subsidence, rutting, and unravelling. Patching this parking lot is almost futile, in that there are few areas that can sustain patching. The intent is to mill/remove the entire wearing course, install new asphalt, striping, and signage. Also included with this project is to enhance the area with trees, provide some form of stormwater infiltration (if soil conditions allow), and to reduce the very large and somewhat undefined access/egress along South Wayne Avenue to provide better traffic flow.

**Current Status:**

The parking lot, is as noted in the attached picture. There has only been patching done to this parking area. It is in need of replacement.

This project was moved from 2018 to 2017 as a result of the Board’s motion voted on at their November 21 public hearing on the budget.

**Financial Plan**

<b>Project Sources</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
General Tax Proceeds	-	-	-	-	-	-
Parking Fees (via General Fund)	\$200,000	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$200,000</b>	-	-	-	-	-
<b>Project Uses</b>						
Planning   *Engineering   Legal	30,000	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	136,000	-	-	-	-	-
Inspection	4,000	-	-	-	-	-
Contingency	10,000	-	-	-	-	-
**Other	20,000	-	-	-	-	-
<b>Total Financing Uses</b>	<b>\$200,000</b>	-	-	-	-	-

(NOTE: Sources must equal Uses)

\*Includes survey, design, & HOP application processing.

\*\*Soil testing for infiltration, plantings, signage.

**Facilities: Municipal Parking Lots; Resurfacing: West Wayne Avenue Store Front Lots**

**Description:**

Radnor Township owns municipal parking lots in Wayne and Bryn Mawr. These lots are metered by the Township’s kiosk system. As part of a six-year plan, these lots are to be resurfaced. The lots being requested to be resurfaced are on West Avenue, just east of north Wayne Avenue., and consist of 38 metered parking spaces. These lots are used by patrons of the businesses in downtown Wayne.



**Justification | Benefit Derived:**

The Township’s Municipal lots are in need of resurfacing. The pavement is exhibiting large cracks, depressions, and alligating. The plan is to have the defects repaired, and then the lots resurfaced. New bumper blocks would be installed, as well a striping and numbering.

**Current Status:**

The three parking lots noted in the picture

**Financial Plan**

<b>Project Sources</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
General Tax Proceeds	-	-	-	-	-	-
Parking Fees (via General Fund)	\$36,000	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$36,000</b>	-	-	-	-	-
<b>Project Uses</b>						
Planning   Engineering   Legal	3,000	-	-	-	-	-
Right-of-Way (if needed)	-	-	-	-	-	-
Construction	31,000	-	-	-	-	-
Inspection	2,000	-	-	-	-	-
Contingency	-	-	-	-	-	-
Other	-	-	-	-	-	-
<b>Total Financing Uses</b>	<b>\$36,000</b>	-	-	-	-	-

(NOTE: Sources must equal Uses)

# **Radnor Township, PA**

## **Five Year Capital Plan**

---

Capital Projects Group (cont'd):

- Traffic Signals Plan

**Radnor Township, PA**  
Capital Projects and Infrastructure  
As Amended with the 2017 Budget

Intersection	Signal Type	Description	COST (at 2015 values)						
			2017	2018	2019	2020	2021	2022	
Route 30 Traffic Adaptive System	Traffic	New System		1,100,000					
Developer Contribution Offset				(1,100,000)					
Radnor Chester & Raider Road Signal Installation	Traffic	New							
County Line & Glenbrook	Traffic	New							
N. Wayne Avenue Pedestrian Improvements (grant offset)	Crossing	New							
Lancaster Avenue East Traffic Adaptive System (grant offset)	Traffic	New							
Conestoga Road Tunnel	Lighting	New	200,000						
SR 30 and North Wayne (LH turn signal)	Traffic	New				300,000			
Conestoga & West Wayne	Traffic	Rebuild							
Conestoga & Iven/Church/Aberdeen	Traffic	Rebuild			300,000				
Conestoga & Radnor Chester	Traffic	Rehab		110,000					
Conestoga & Route 320 (install LH turn signal)	Traffic	Rebuild	300,000						
Conestoga & Ithan	Traffic	Rebuild							
Conestoga & Garrett and Williams	Traffic	Rehab							
Conestoga & Roberts	Traffic	Rehab							
Conestoga & Glennbrook	Traffic	Rebuild							
Bryn Mawr & County Line (Haverford Ave)	Traffic	Rehab							
Bryn Mawr & Mill	Traffic	Rehab							
Bryn Mawr & 320	Traffic	Rehab							
Bryn Mawr & Malin	Traffic	Rebuild							
North Wayne & West/Station	Traffic	Rehab							
North Wayne & Poplar	Traffic	Rehab							
North Wayne & Eagle	Traffic	Rehab							
Eagle & Radnor Street	Traffic	Rehab							
Eagle/Pine Tree & King of Prussia	Traffic	Rehab							
King of Prussia & Matsonford	Traffic	Rehab							
King of Prussia & Radnor Chester	Traffic	Rehab							
Radnor Chester & Kravco	Traffic	Rehab							
Matsonford & S. Centennial - Carroll & Corporate Center	Traffic	Rehab							
Matsonford & N. Centennial	Traffic	Rehab							
Matsonford & County Line Road	Traffic	Rebuild							
Route 320 & Clyde	Traffic	Rebuild						220,000	
Route 320 & Godfrey	Traffic	Rebuild			220,000				
Sugartown & Morris	Traffic	Federal mandate							
Signage (reflectivity)	School	Replace							
St. Katherine's	School	Replace							
Barrack Jewish Academy	School	Replace							
Wayne Elementary	School	Replace							
Agnes Irwin	School	Replace							
St. Aloysius	School	Replace							
Sacred Heart	School	Replace							
Notre Dame	School	Replace							
Ithan Elementary	School	Replace							
Radnor Middle School	School	Replace							
VFMA Pedestrian Crossing Flasher 2012-2013	Flash	Replace							
King of Prussia & Glenmary Pedestrian Crossing Flasher	Flash	Replace							
Cowan Field Playground Flasher	Flash	Replace							
Clem Macrone Park Playground Flasher	Flash	Replace							
Conestoga & Mill Bad Curve Ahead Flasher	Flash	Replace							
Rosemont Underpass (Locust Grove Rd) Bad Curve Ahead Flasher	Flash	Replace			2,000				
Darby Paoli Road Bad Curve Ahead Flasher	Flash	Replace							
Strafford Avenue & Eagle Road 4 Way Stop with Flashing Red Signals	Flash	Replace							
King of Prussia & Woodcrest Road Bad Curve Ahead Flasher	Flash	Replace		2,500					
Bryn Mawr & Castlefin Bad Curve Ahead Flasher	Flash	Replace							
Mill Dam Power Indication Lights	Flash	Replace							
N. Aberdeen Overpass Walk Way Lighting	Flash	Replace							
<b>Total Signal Group</b>			<b>\$ 500,000</b>	<b>\$ 112,500</b>	<b>\$ 522,000</b>	<b>\$ 300,000</b>	<b>\$ 220,000</b>	<b>\$ -</b>	

## 2017 Capital Projects: Conestoga Road Tunnel- Lighting

### Description:

The tunnel that passes beneath the SEPTA R100 Line on Conestoga Road is heavily traveled by motorists, and is also used by pedestrians. The tunnel is located on a State Road, but it has been determined the Township is responsible for the lighting. Presently, it is felt that the lighting in the tunnel should be upgraded.



### Justification | Benefit Derived:

The lighting on the tunnel should be upgraded; this will provide safer passage for motorists, cyclists, and pedestrians.

### Current Status:

The existing lights are operational, but should be upgraded.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax Proceeds	\$200,000	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$200,000</b>	-	-	-	-	-
<b>Project Uses</b>						
Planning   Engineering   Legal	\$20,000	-	-	-	-	-
Right-of-Way (if needed)	TBD	-	-	-	-	-
Construction	\$160,000	-	-	-	-	-
Inspection	\$10,000	-	-	-	-	-
Contingency	TBD	-	-	-	-	-
*Other	\$10,000	-	-	-	-	-
<b>Total Financing Uses</b>	<b>\$200,000</b>	-	-	-	-	-

(NOTE: Sources must equal Uses)

\*This item includes permitting.



## Capital Projects: SR 320 (Sproul Road) & SR 1019 (Conestoga Road) Left Hand Turn Signal Installation

### Description:

The intersection of Sproul and Conestoga Roads (State Routes 320 and 1019 respectively) was approved RPD Staff Traffic, and subsequently Penn DOT, for the installation of left hand turn signals several years ago. The project was never constructed. The issue of installing left hand turn signals at this location has been longstanding, and brought before the Board of Commissioners by members of the public in 2016.



### Justification | Benefit Derived:

This project will allow for more efficient and safer turning movements at the intersection of Sproul and Conestoga Roads, as well as aid in reducing congestion in this portion of a heavily travelled corridor. The project will entail an evaluation of the signal warrants (which will include vehicle counts, etc.), design of the proposed signal configuration, Penn DOT permitting, installation of new signal poles and mast arms, signal heads, controller, signage, striping, and traffic detection system.

### Current Status:

The existing signal does not allow for a dedicated left hand turn phase.

### Financial Plan

	2017	2018	2019	2020	2021	2022
<b>Project Sources</b>						
General Tax Proceeds	\$300,000	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$300,000</b>	-	-	-	-	-
<b>Project Uses</b>						
Planning   Engineering   Legal	\$60,000	-	-	-	-	-
*Right-of-Way (if needed)	\$15,000	-	-	-	-	-
Construction	\$200,000	-	-	-	-	-
Inspection	\$10,000	-	-	-	-	-
Contingency	\$15,000	-	-	-	-	-
*Other	TBD	-	-	-	-	-
<b>Total Financing Uses</b>	<b>\$300,000</b>	-	-	-	-	-

(NOTE: Sources must equal Uses)

\*The acquisition of R.O.W. will be determined during the design phase.

## 2017 Capital Projects & Infrastructure: Traffic Signals, Route 30 Traffic Adaptive System

### Description:

A traffic adaptive system uses “adaptive” signal control technology. This system uses traffic signal timing changes based on current traffic demand (i.e. the system adapts to the traffic load). The benefits of traffic adaptive signal control:

- Continuously distribute green light time equitably for all traffic movements
- Improve travel time reliability
- Reduce congestion
- Prolong the effectiveness of traffic signal time



### Justification | Benefit Derived:

The justification for the installation of a traffic adaptive system, from Radnor Chester Road to Lowrey’s Lane, along Lancaster Avenue is to reduce the long standing congestion in this area, part of what Penn Dot considers a “critical corridor”. We have been attempting to fund this project with grants and developer contributions, and will continue to do so. The Conditional Use Order of November 24<sup>th</sup>, 2014 required Villanova University to contribute \$175,000 towards the implementation of a traffic adaptive system along Lancaster Avenue from Sproul Road to County Line Road.

### Current Status:

The traffic corridor as noted is currently managing traffic through conventional traffic signals.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax Proceeds	-	-	-	-	-	-
Developer Contributions & Grants	-	\$925,000	-	-	-	-
*Villanova University	-	\$175,000	-	-	-	-
<b>Total Funding Sources</b>	-	<b>\$1,100,000</b>	-	-	-	-
<b>**Project Uses</b>						
Planning   Engineering   Legal	-	\$110,000	-	-	-	-
Right-of-Way (if needed)	-	TBD	-	-	-	-
Construction	-	\$940,000	-	-	-	-
Inspection	-	\$10,000	-	-	-	-
Contingency	-	\$40,000	-	-	-	-
Other	-	TBD	-	-	-	-
<b>Total Financing Uses</b>	-	<b>\$1,100,000</b>	-	-	-	-

(NOTE: Sources must equal Uses)

\*Villanova University is required to fund \$175,000 towards the traffic adaptive system, as determined by the Conditional Use Order of 2014.

\*\*Project uses are estimated; once funded and as part of the design process, a more accurate breakdown of the uses will be provided.

## Capital Projects: SR 1021 (Radnor Chester Road) & SR 1019 (Conestoga Road)

### Description:

The intersection of SR 1021 (Radnor Chester Road) & SR 1019 (Conestoga Road), east bound, stacks cars for a considerable length during AM and PM peak times. To partially alleviate this situation, the idea of a south bound Conestoga Road, right hand turn lane, onto Newtown Road has been put forth.



### Justification | Benefit Derived:

When travelling east bound Conestoga Road, at the intersection with Newtown/Radnor Chester Roads, there is no dedicated lane to make a right hand turn onto Newtown. The project will allow for a safer and more efficient turning movement, and relieve some of the congestion. The project will entail an evaluation of the signal warrants (which will include vehicle counts, etc.), design of the proposed signal configuration, Penn DOT permitting, signal heads, controller, signage, striping, and traffic detection system. It will have to be determined, during the design phase, if R.O.W. will have to be acquired.

### Current Status:

The existing signal does not allow for a dedicated, south bound Conestoga Road, right hand turn onto Newtown Road.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax Proceeds	-	\$110,000	-	-	-	-
<b>Total Funding Sources</b>	-	<b>\$110,000</b>	-	-	-	-
<b>Project Uses</b>						
Planning   Engineering   Legal	-	\$20,000	-	-	-	-
*Right-of-Way (if needed)	-	\$10,000	-	-	-	-
Construction	-	\$65,000	-	-	-	-
Inspection	-	\$5,000	-	-	-	-
Contingency	-	\$10,000	-	-	-	-
*Other	-	TBD	-	-	-	-
<b>Total Financing Uses</b>	-	<b>\$110,000</b>	-	-	-	-

(NOTE: Sources must equal Uses)

\*The acquisition of R.O.W. will be determined during the design phase.

## Capital Projects: Traffic Signal Conestoga Road, Louella Avenue, Church Road, and Iven Avenue

### Description:

The intersection of Conestoga Road, Louella Avenue, Church Road, and Iven Avenue, as noted in the picture, is a five leg intersection. This configuration, and the signal timing associated with it, makes for at AM and PM peak hours, a congested intersection.



### Justification | Benefit Derived:

The purpose of this project is to change the signalization for Iven, Church, and Louella. This will allow for a more defined sequence, allowing better access from Church, Iven, and Louella. The project will entail an evaluation of the signal warrants (which will include vehicle counts, etc.), design of the proposed signal configuration, Penn DOT permitting, signal heads, signal mast arms, poles, controller, signage, striping, and traffic detection system. It will have to be determined, during the design phase, if R.O.W. will have to be acquired.

### Current Status:

The existing signal causes congestion due to the signalization of the multiple legs.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax Proceeds	-	-	\$300,000	-	-	-
<b>Total Funding Sources</b>	-	-	<b>\$300,000</b>	-	-	-
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	\$50,000	-	-	-
*Right-of-Way (if needed)	-	-	\$10,000	-	-	-
Construction	-	-	\$205,000	-	-	-
Inspection	-	-	\$5,000	-	-	-
Contingency	-	-	\$30,000	-	-	-
*Other	-	-	-	-	-	-
<b>Total Financing Uses</b>	-	-	<b>\$300,000</b>	-	-	-

(NOTE: Sources must equal Uses)

\*The acquisition of R.O.W. will be determined during the design phase.

## Capital Projects: SR 320 (Sproul Road) and Godfrey Road

### Description:

The intersection of Sproul Road and Godfrey Road is currently controlled by a signal that is over 50 years in age. This signal is in need of replacement, from an asset management standpoint.



### Justification | Benefit Derived:

The signal that governs this intersection, as noted, is over 50 years old. Often repairs require the replacement of the entire components and systems, because the older hardware and software are obsolete. It is anticipated to replace the poles and mast arms to today's standards. The project will entail an evaluation of the signal warrants (which will include vehicle counts, etc.), design of the proposed signal configuration, Penn DOT permitting, signal heads, signal mast arms, poles, controller, signage, striping, and traffic detection system. It will have to be determined, during the design phase, if R.O.W. will have to be acquired.

### Current Status:

The existing signals, in their current condition, are costly to repair and maintain.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax Proceeds	-	-	-	-	\$220,000	-
<b>Total Funding Sources</b>	-	-	-	-	<b>\$220,000</b>	-
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	\$40,000	-
*Right-of-Way (if needed)	-	-	-	-	\$10,000	-
Construction	-	-	-	-	\$145,000	-
Inspection	-	-	-	-	\$5,000	-
Contingency	-	-	-	-	\$20,000	-
*Other	-	-	-	-	-	-
<b>Total Financing Uses</b>	-	-	-	-	<b>\$220,000</b>	-

(NOTE: Sources must equal Uses)

\*The acquisition of R.O.W. will be determined during the design phase.

**2020 Capital Projects: Traffic Signal SR 30 (Lancaster Avenue) & SR 146 (North Wayne Avenue)  
Left Hand Turn Signal**

**Description:**

The intersection of the intersection of Lancaster Avenue and North Wayne Avenue, specifically south bound North Wayne, turning left (east) on Lancaster Avenue, has been an item of discussion for several past years. The stacking that occurs for this movement reaches the crosswalk, and minimal cars are able to make the turn each sequence.



**Justification | Benefit Derived:**

The current capital plan notes the projects: “Conestoga and Glenbrook, \$300,000 in the year 2020”, and “Conestoga and West Wayne, \$220,000 in the year 2022”. These are infrastructure replacement projects that are respectfully requested to be moved to 2023 and beyond. In this way, the North Wayne/Lancaster Avenues left hand turn signal project could be funded in 2020. The purpose of the project will be to increase the amount of cars that can make the left hand turn movement, and thereby reduce some of the congestion of North Wayne Avenue. The project will entail an evaluation of the signal warrants (which will include vehicle counts, etc.), design of the proposed signal configuration, Penn DOT permitting, signal heads, possibly signal mast arms, possibly poles, controller, signage, striping, and traffic detection system. It will have to be determined, during the design phase, if R.O.W. will have to be acquired.

**Current Status:**

The existing signal causes congestion due to the signalization of the multiple legs.

**Financial Plan**

<b>Project Sources</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
General Tax Proceeds	-	-	-	\$300,000	-	-
<b>Total Funding Sources</b>	-	-	-	<b>\$300,000</b>	-	-
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	\$50,000	-	-
*Right-of-Way (if needed)	-	-	-	\$10,000	-	-
Construction	-	-	-	\$205,000	-	-
Inspection	-	-	-	\$5,000	-	-
Contingency	-	-	-	\$30,000	-	-
*Other	-	-	-	TBD	-	-
<b>Total Financing Uses</b>	-	-	-	<b>\$300,000</b>	-	-

(NOTE: Sources must equal Uses)

\*The acquisition of R.O.W. will be determined during the design phase.

## Capital Projects: SR 320 (Sproul Road) and Clyde Road

### Description:

The intersection of Sproul Road and Godfrey Road is currently controlled by a signal that is over 50 years in age. If approved, the signal timing will be evaluated to include a review of the traffic associated with Ithan Elementary. This signal is in need of replacement, from an asset management standpoint.



### Justification | Benefit Derived:

The signal that governs this intersection, as noted, is over 50 years old. Often repairs require the replacement of the entire components and systems, because the older hardware and software are obsolete. It is anticipated to replace the poles and mast arms to today's standards. Residents that visit Ithan Elementary School are users of this intersection. The counts taken will also take into consideration the motorists coming to/and from the Elementary School. The project will entail an evaluation of the signal warrants (which will include vehicle counts, etc.), design of the proposed signal configuration, Penn DOT permitting, signal heads, signal mast arms, poles, controller, signage, striping, and traffic detection system. It will have to be determined, during the design phase, if R.O.W. will have to be acquired.

### Current Status:

The existing signals, in their current condition, are costly to repair and maintain.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
General Tax Proceeds	-	-	-	-	\$220,000	-
<b>Total Funding Sources</b>	-	-	-	-	<b>\$220,000</b>	-
<b>Project Uses</b>						
Planning   Engineering   Legal	-	-	-	-	\$40,000	-
*Right-of-Way (if needed)	-	-	-	-	\$10,000	-
Construction	-	-	-	-	\$145,000	-
Inspection	-	-	-	-	\$5,000	-
Contingency	-	-	-	-	\$20,000	-
*Other	-	-	-	-	TBD	-
<b>Total Financing Uses</b>	-	-	-	-	<b>\$220,000</b>	-

(NOTE: Sources must equal Uses)

\*The acquisition of R.O.W. will be determined during the design phase.

# Radnor Township, PA

## Five Year Capital Plan

---

### Capital Projects Group (cont'd):

- Park Improvement Plan  
(includes both bonded projects and all other projects)



**Radnor Township, PA**  
 Capital Projects and Infrastructure  
 As Amended with the 2017 Budget

**Bishop Richard Allen Park**

Acres 0.2

**Sources:**

To Be Determined

n/a

Subtotal of Sources

2017	2018	2019	2020	2021	2022
-	-	-	-	-	-
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Replacement Items:**

Resurface Basketball Court

(2007; 9 yrs.) Replace

Sign Replacement

Park Sign, full replacement (2010) Replace

Playground Replacement

Replacement (2007; 9 yrs.) Replace

Subtotal of Replacement Items

-	-	-	-	16,000	-
-	-	-	10,000	-	-
-	-	-	-	-	-
\$ -	\$ -	\$ -	\$ 10,000	\$ 16,000	\$ -

**New Items:**

To Be Determined

n/a

Subtotal of New Items

-	-	-	-	-	-
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Total Bishop Richard Allen Park**

\$ -	\$ -	\$ -	\$ 10,000	\$ 16,000	\$ -
------	------	------	-----------	-----------	------

**Bo Connor Park**

Acres 6.8

**Sources:**

Park Improvement Bonds, Series 2016

n/a

Subtotal of Sources

400,000	-	-	-	-	-
\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -

**Replacement Items:**

Resurface Basketball Court

2009 was the last year it was resurfaced Replace

Sidewalk, Retaining Wall

Replace sidewalk, install retaining wall along road Replace

Fencing

Backstop, 1st and 3rd base fencing, street fence Replace

Playground Replacement

(1997; 19 yrs.) | Removed from bond financing. Replace

Benches/Bleachers

Rplacement Replace

Sign Replacement

Replace park entrance sign (2010) Replace

Subtotal of Replacement Items

-	-	-	16,000	-	-
235,000	-	-	-	-	-
150,000	-	-	-	-	-
-	-	-	-	-	450,000
15,000	-	-	-	-	-
-	-	-	-	10,000	-
\$ 400,000	\$ -	\$ -	\$ 16,000	\$ 10,000	\$ 450,000

**New Items:**

Field Regrading

Infield, outfield, seed, (lip removal) New

Subtotal of New Items

-	-	-	-	70,000	-
\$ -	\$ -	\$ -	\$ -	\$ 70,000	\$ -

**Total Bo Connor Park**

\$ -	\$ -	\$ -	\$ 16,000	\$ 80,000	\$ 450,000
------	------	------	-----------	-----------	------------

**Radnor Township, PA**  
 Capital Projects and Infrastructure  
 As Amended with the 2017 Budget

**Cappelli Golf Range**

Acres 22.5

**Sources:**

Park Improvement Bonds, Series 2016  
 Subtotal of Sources

\$66,720 reallocated to Clem Macrone

New

	2017	2018	2019	2020	2021	2022
	-	-	-	-	-	-
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Replacement Items:**

To Be Determined  
 Subtotal of Replacement Items

n/a

	-	-	-	-	-	-
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**New Items:**

Parking Lot Paving  
 Potential Athletic Field Development  
 Trail Connection (from Greeways Plan)  
 Subtotal of New Items

n/a

New

n/a

New

Improvement part of the Radnor Trail expansion

New

	-	-	-	-	-	-
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Total Cappelli Golf Range**

**Clem Macrone Park**

Acres 9.4

**Sources:**

DCNR Grant  
 DCED Grant  
 Peco Contributions  
 NEW GRANT???  
 Township Park Impact Fee Funding  
 Township Funding  
 Park Improvement Bonds, Series 2016  
 Park Improvement Bonds, Series 2016  
 Subtotal of Sources

Grant Awarded

Grant awarded

Grant awarded

Grant Awarded

Proceeds deposited

Portion of the project improving stormwater

Reallocated from Cappelli Golf Range

TBD: Could be cash funding or bond financing

350,000

224,000

5,000

20,000

174,408

1,000,000

66,720

92,280

	-	-	-	-	-	-
	\$ 1,932,408	\$ -	\$ -	\$ -	\$ -	\$ -

**Replacement Items:**

To be Determined  
 Subtotal of Replacement Items

n/a

	-	-	-	-	-	-
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**New Items:**

Clem Macrone Master Plan  
 Subtotal of New Items

Adopted via Ordinance 2015-12 | Amended Res#2016-102

New

1,913,439

	\$ 1,913,439	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ (18,969)	\$ -	\$ -	\$ -	\$ -	\$ -

**Total Clem Macrone Park**

**Radnor Township, PA**  
 Capital Projects and Infrastructure  
 As Amended with the 2017 Budget

**Cowan Park**

Acres 3

**Sources:**

To Be Determined

n/a

Subtotal of Sources

**Replacement Items:**

Reconstruct Basketball Court

Resurfacing / New Equipment Replace

Resurface Parking Lot

n/a Replace

Fencing Replacement

n/a Replace

Playground Replacement

Replace certain pieces of equipment Replace

Benches/Bleachers Replacement

n/a Replace

Sign Replacement

2015 replacement project Replace

Subtotal of Replacement Items

**New Items:**

To Be Determined

n/a

Subtotal of New Items

**Total Cowan Park**

	2017	2018	2019	2020	2021	2022
	-	-	-	-	-	-
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	25,000	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	21,000	-	-	-	-	-
	-	3,000	-	-	-	-
	-	-	-	-	-	-
	\$ 46,000	\$ 3,000	\$ -	\$ -	\$ -	\$ -
	-	-	-	-	-	-
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ 46,000	\$ 3,000	\$ -	\$ -	\$ -	\$ -

**Harford Park (a.k.a. Dog Park)**

Acres 30.8

**Sources:**

To Be Determined

n/a

Subtotal of Sources

**Replacement Items:**

Resurface Parking Lot

n/a Replace

Sign Replacement

replace park entrance sign (2009) Replace

Subtotal of Replacement Items

**New Items:**

Trail Connection (Includes culvert)

n/a New

Subtotal of New Items

**Total Harford Park (a.k.a. Dog Park)**

	-	-	-	-	-	-
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	-	-	77,000	-	-	-
	-	-	-	16,000	-	-
	\$ -	\$ -	\$ 77,000	\$ 16,000	\$ -	\$ -
	-	-	-	-	-	-
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ 77,000	\$ 16,000	\$ -	\$ -





**Radnor Township, PA**  
 Capital Projects and Infrastructure  
 As Amended with the 2017 Budget

**Friends of Radnor Trail Park**

Acres 3.1

**Sources:**

To Be Determined

n/a

Subtotal of Sources

2017	2018	2019	2020	2021	2022
------	------	------	------	------	------

\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
------	------	------	------	------	------

**Replacement Items:**

Repave path, replace fence

n/a Replace

Regrade / Re-stone Parking Lot

regrade, restone and enlarge Replace

Sign Replacement

replace park entrance sign (2010) Replace

Subtotal of Replacement Items

-	-	-	36,000	-	-
-	-	-	-	-	-
-	-	-	-	-	10,000
\$ -	\$ -	\$ -	\$ 36,000	\$ -	\$ 10,000

**New Items:**

To Be Determined

n/a

Subtotal of New Items

-	-	-	-	-	-
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Total Friends of Radnor Trail Park**

\$ -	\$ -	\$ -	\$ 36,000	\$ -	\$ 10,000
------	------	------	-----------	------	-----------

**Ithan Valley Park**

Acres 20.5

**Sources:**

Park Improvement Bonds, Series 2016

n/a

Subtotal of Sources

378,000	-	-	-	-	-
\$ 378,000	\$ -	\$ -	\$ -	\$ -	\$ -

**Replacement Items:**

Sign/Gate Replacement

replace park entrance sign (2002); replacemnt to gated entry Replace

Fencing Replacement

park perimeter/interior fencing replacement Replace

Subtotal of Replacement Items

28,000	-	-	-	-	-
26,000	-	-	-	-	-
\$ 54,000	\$ -	\$ -	\$ -	\$ -	\$ -

**New Items:**

Parking Lot

regrade, protect zelkova tree New

Stream bank restoration / arborculture

n/a New

Trail Upgrades, Wayfaring Signage

Historic arboretum/trail project New

Subtotal of New Items

24,000	-	-	-	-	-
100,000	-	-	-	-	-
200,000	-	-	-	-	-
\$ 324,000	\$ -	\$ -	\$ -	\$ -	\$ -

**Subtotal Ithan Valley Park**

\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
------	------	------	------	------	------

**Radnor Township, PA**  
 Capital Projects and Infrastructure  
 As Amended with the 2017 Budget

**Radnor Nature Park**

Acres 2.8

**Sources:**

To Be Determined

n/a

Subtotal of Sources

**Replacement Items:**

Repave Path

n/a

Subtotal of Replacement Items

**New Items:**

Sign Installation

New Entrance Sign

Subtotal of New Items

**Total Radnor Nature Park**

New

	2017	2018	2019	2020	2021	2022
	-	-	-	-	-	-
\$	-	\$ -	\$ -	\$ -	\$ -	\$ -
	-	-	-	-	-	20,000
\$	-	\$ -	\$ -	\$ -	\$ -	\$ 20,000
	-	-	-	-	-	-
\$	-	\$ -	\$ -	\$ -	\$ -	\$ -
<b>\$</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 20,000</b>

**North Wayne Park**

Acres 4.2\*

**Sources:**

To Be Determined

Recommend: Renegotiate Land Lease Agreement w/ RTSD

Subtotal of Sources

**Replacement Items:**

To Be Determined

n/a

Subtotal of Replacement Items

**New Items:**

To Be Determined

n/a

Subtotal of New Items

**Total North Wayne Park**

	-	-	-	-	-	-
\$	-	\$ -	\$ -	\$ -	\$ -	\$ -
	-	-	-	-	-	-
\$	-	\$ -	\$ -	\$ -	\$ -	\$ -
	-	-	-	-	-	-
\$	-	\$ -	\$ -	\$ -	\$ -	\$ -
<b>\$</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>





**Radnor Township, PA**  
 Capital Projects and Infrastructure  
 As Amended with the 2017 Budget

2017	2018	2019	2020	2021	2022
------	------	------	------	------	------

**Radnor Activity Center at Sulpizio Gym**

	2017	2018	2019	2020	2021	2022
<b>Sources:</b>						
To Be Determined	Recommend: Renegotiate Land Lease Agreement w/ RTSD	-	-	-	-	-
Subtotal of Sources	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Replacement Items:</b>						
Side Backboard Replacements	2015 replacement project	-	-	-	-	-
Divider	n/a	-	-	-	-	-
Waterline Replacement	Supply line at North Wayne Ave	-	-	-	-	-
Subtotal of Replacement Items	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>New Items:</b>						
To Be Determined	n/a	-	-	-	-	-
Subtotal of New Items	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Radnor Activity Center at Sulpizio Gym</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Radnor Memorial Park**

Acres 13.7

	2017	2018	2019	2020	2021	2022
<b>Sources:</b>						
To Be Determined	n/a	-	-	-	-	-
Subtotal of Sources	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Replacement Items:</b>						
Sign Replacement	entrance sign (2001)	Replace	-	16,000	-	-
Subtotal of Replacement Items	\$ -	\$ 16,000	\$ -	\$ -	\$ -	\$ -
<b>New Items:</b>						
Paint Overhead Pedestrian Bridge	n/a	-	-	-	-	-
Lighting Improvements (at Pedestrian Bridge)	n/a	-	-	-	-	-
Subtotal of New Items	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Radnor Memorial Park</b>	<b>\$ -</b>	<b>\$ 16,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>





**Radnor Township, PA**  
 Capital Projects and Infrastructure  
 As Amended with the 2017 Budget

2017	2018	2019	2020	2021	2022
------	------	------	------	------	------

**Veteran's Park**

Acres 1.6

**Sources:**

To Be Determined

n/a

Subtotal of Sources

\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
------	------	------	------	------	------

**Replacement Items:**

To Be Determined

n/a

Subtotal of Replacement Items

\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
------	------	------	------	------	------

**New Items:**

To Be Determined

n/a

Subtotal of New Items

\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
------	------	------	------	------	------

**Total Veteran's Park**

\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
------	------	------	------	------	------

**Unkefer Park**

Acres 1.5

**Sources:**

To Be Determined

n/a

Subtotal of Sources

\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
------	------	------	------	------	------

**Replacement Items:**

To Be Determined

n/a

Subtotal of Replacement Items

Replace

\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
------	------	------	------	------	------

**New Items:**

Gateway/Park Sign (Paid for by Developer)

n/a

Subtotal of New Items

New

\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
------	------	------	------	------	------

**Total Unkefer Park**

\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
------	------	------	------	------	------



**Radnor Township, PA**  
 Capital Projects and Infrastructure  
 As Amended with the 2017 Budget

**Willows Park**

Acres 47.5

2017	2018	2019	2020	2021	2022
------	------	------	------	------	------

<b>Sources:</b>									
Annual Rent Income	To be Determined								
Subtotal of Sources									
<b>Replacement Items:</b>									
Pavement Reconstruction	See \$8.0M Settlement Fund	Replace							
Waterline Replacement	See \$8.0M Settlement Fund	Replace							
Bridge	See \$8.0M Settlement Fund	Replace							
Roof: Cottage	To be Determined	Replace							
Code Upgrades: Cottage	To be Determined	Replace							
Fencing (PL, Darby Paoli Road)	To be Determined	Replace							
Subtotal of Replacement Items									
<b>New Items:</b>									
Restroom Installation	To be Determined	New							
Painting: Cottage	To be Determined	New							
Subtotal of New Items									
<b>Total Willows Park</b>									

**Grand Total: Park Improvements**

\$ 67,031	\$ 19,000	\$ 162,000	\$ 634,000	\$ 446,000	\$ 730,000
-----------	-----------	------------	------------	------------	------------

Total Replacement Items	1,547,000	1,346,000	137,000	595,000	376,000	730,000
Total New Items	3,382,439	700,000	25,000	39,000	70,000	-
Less: Sources Identified Already	(4,862,408)	(2,027,000)	-	-	-	-
<b>Net Grand Total Park Improvements</b>	<b>\$ 67,031</b>	<b>\$ 19,000</b>	<b>\$ 162,000</b>	<b>\$ 634,000</b>	<b>\$ 446,000</b>	<b>\$ 730,000</b>

Non-Bondable Items	102,000	19,000	178,000	307,000	96,000	30,000
Bondable Items (not included in 2016)	-	-	-	311,000	350,000	700,000
Park Improvement Bonds, Series 2016						

**Cowan Park – Basketball Court Reconstruction**

**Description:**

Cowan Park –

- **Basketball Court Reconstruction** is needed due to significant deterioration to the play surfacing such as cracking and fading; the backboard equipment is showing significant signs of rust and degradation.



**Justification | Benefit Derived:**

- Basketball Court Reconstruction will provide a positive improvement to the park aesthetics and will improve the safety of this heavily utilized recreational amenity at a popular neighborhood park.

**Current Status:**

- Basketball Court Reconstruction can take place in 2017. If funding is not provided, the current condition will continue to deteriorate along with impacting the safety of the users.

**Financial Plan**

<b>Project Sources</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
Funding Source #1	25,000					
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						
<b>Project Uses</b>						
Planning   Engineering   Legal						
Right-of-Way (if needed)						
Construction	20,000					
Inspection						
Contingency						
Equipment/Materials	5,000					
<b>Total Financing Uses</b>	<b>\$25,000</b>					

(NOTE: Sources must equal Uses)

## Cowan Park – Playground Equipment Replacement

### Description:

Cowan Park –

- Playground Equipment Replacement** is needed due to signs of wear, increasing needs for repairs, and accessibility. This project will consider upgrades to existing equipment that might extend the useful life of the equipment and/or provide equipment that would complement current equipment. It will also adhere to the recommended guidelines of the Consumer Product Safety Commission (CPSC). Equipment was originally installed in 1994.



### Justification | Benefit Derived:

- Playground Equipment Replacement will provide positive aesthetic improvements and will improve the usability of this heavily utilized recreational amenity at a popular neighborhood park.

### Current Status:

- Playground Equipment Replacement can take place in 2017. If funding is not provided, the current condition of the equipment will continue to be compromised along with the safety for users.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
Funding Source #1	21,000					
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						

### Project Uses

Planning   Engineering   Legal	
Right-of-Way (if needed)	
Construction	
Inspection	
Contingency	
Equipment/Materials	21,000
<b>Total Financing Uses</b>	<b>\$21,000</b>

(NOTE: Sources must equal Uses)



## Dittmar Park – Walking Path Repairs

### Description:

Dittmar Park –

- **Walking Path Repairs** are needed to the surface that circulates approximately one half mile throughout the park; repairs have not occurred since the park’s original construction in 1995.



### Justification | Benefit Derived:

- Walking Path Repairs are needed due to surface deterioration that includes cracking and separation, this has occurred over time due to the adverse effects of weather and use; repairs will extend the life of the asset, enhance the aesthetics of the park, and provide safety for the users of this popular recreational area in Radnor Township.

### Current Status:

- Walking Path repairs can be performed in 2017. If funding is not provided, the path will continue to deteriorate and safety of the path will be compromised for users.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
Funding Source #1	20,000					
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						

### Project Uses

Planning | Engineering | Legal  
 Right-of-Way (if needed)  
 Construction  
 Inspection  
 Contingency  
 Equipment/Materials

Equipment/Materials	20,000
<b>Total Financing Uses</b>	<b>\$20,000</b>

(NOTE: Sources must equal Uses)

## Odoriso Park – Benches/Bleachers Replacement

### Description:

Odoriso Park –

- **Benches/Bleachers Replacement** are needed in the athletic field/spectator viewing area of the park; existing benches are deteriorating and require replacement; upgrades to the bleachers will include guardrails/end rails for International Building Code (IBC) compliancy and will adhere to the recommended guidelines of the Consumer Product Safety Commission (CPSC).



### Justification | Benefit Derived:

- Benches/Bleachers Replacement will provide a positive aesthetic improvement, functionality, and improved safety for users of this heavily utilized neighborhood park.

### Current Status:

- Benches/Bleachers Replacement can take place in 2017. If funding is not provided, the items will continue to deteriorate and safety for users will be compromised.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
Funding Source #1	20,000					
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						

### Project Uses

Planning   Engineering   Legal	
Right-of-Way (if needed)	
Construction	
Inspection	
Contingency	
Equipment/Materials	20,000
<b>Total Financing Uses</b>	<b>\$20,000</b>

(NOTE: Sources must equal Uses)

## Warren Filipone Park – Benches/Bleachers Replacement

### Description:

Warren Filipone Park –

- **Benches/Bleachers Replacement** are needed in the athletic field/spectator viewing area of the park; existing benches are deteriorating/showing significant signs of rust and require replacement; upgrades to the bleachers will be evaluated to include guardrails/end rails for International Building Code (IBC) compliancy and adherence to the recommended guidelines of the Consumer Product Safety Commission (CPSC).



### Justification | Benefit Derived:

- Benches/Bleachers Replacement will provide a positive aesthetic improvement, functionality, and improved safety for users of this heavily utilized neighborhood park.

### Current Status:

- Benches/Bleachers Replacement can take place in 2017. If funding is not provided, the items will continue to deteriorate and safety for users will be compromised.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
Funding Source #1	16,000					
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						

### Project Uses

Planning   Engineering   Legal	
Right-of-Way (if needed)	
Construction	
Inspection	
Contingency	
Equipment/Materials	16,000
<b>Total Financing Uses</b>	<b>\$16,000</b>

(NOTE: Sources must equal Uses)

## Cappelli Driving Range – Signage Replacement

### Description:

Cappelli Driving Range –

- **Signage Replacement** is needed at this park site due to deterioration of former park sign style; replacement will be consistent with the Township park system’s new design.



### Justification | Benefit Derived:

- Sign Replacement will provide positive entrance identification for the park.

### Current Status:

- Sign Replacement can take place in 2018. Grant/alternative funding opportunities will be sought if available.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
Funding Source #1		0				
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						
Project Uses						
Planning   Engineering   Legal						
Right-of-Way (if needed)						
Construction						
Inspection						
Contingency						
Equipment/Materials		0				
<b>Total Financing Uses</b>		<b>\$0</b>				
<small>(NOTE: Sources must equal Uses)</small>						

## Cowan Park – Parking Lot Resurfacing

### Description:

Cowan Park –

- **Parking Lot Resurfacing** is needed due to deterioration of the surface from wear and tear and the adverse effects of weather and usage.



### Justification | Benefit Derived:

- Parking Lot Resurfacing is needed due to surface deterioration that includes cracking and separation, this has occurred over time due to the adverse effects of weather and use. Repairs will extend the life of the asset, enhance the aesthetics of the park, and provide safety for the park users.

### Current Status:

- Parking lot resurfacing can be performed in 2018. Grant opportunities/alternative funding will be sought if available. If funding is not provided, the parking lot will continue to deteriorate and the safety could be compromised for park/other users.

### Financial Plan

	2017	2018	2019	2020	2021	2022
<b>Project Sources</b>						
Funding Source #1		\$0				
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						
<b>Project Uses</b>						
Planning   Engineering   Legal						
Right-of-Way (if needed)						
Construction		\$0				
Inspection						
Contingency						
Equipment/Materials						
<b>Total Financing Uses</b>		\$0				

(NOTE: Sources must equal Uses)

## Cowan Park – Benches Replacement

### Description:

Cowan Park –

- **Benches Replacement** are needed in the playground area and near the sports amenities at this park; existing benches are worn and deteriorating and require replacement.



### Justification | Benefit Derived:

- Benches Replacement will provide a positive aesthetic improvement and functionality for users at this popular neighborhood park.

### Current Status:

- Benches Replacement can take place in 2018. Grants/alternative funding opportunities will be sought if available. If funding is not provided, the current condition of the items will continue deteriorate and could compromise the safety for users.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
Funding Source #1		3,000				
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						
<b>Project Uses</b>						
Planning   Engineering   Legal						
Right-of-Way (if needed)						
Construction						
Inspection						
Contingency						
Equipment/Materials		3,000				
<b>Total Financing Uses</b>		<b>\$3,000</b>				

(NOTE: Sources must equal Uses)

**Radnor Memorial Park – Entrance Sign Replacement**

**Description:**

Radnor Memorial Park –

- **Entrance Sign Replacement** is needed due to overall deterioration and color degradation; replacement would be consistent with the Township park system’s new design that has been incorporated.



**Justification | Benefit Derived:**

- Entrance Sign Replacement will provide a positive entrance identification for the park that is located at a heavily visible intersection of the Township.

**Current Status:**

- Entrance Sign Replacement can take place in 2019. Grant/alternative funding will be sought if available. If funding is not provided, the sign condition will continue to deteriorate.

**Financial Plan**

<b>Project Sources</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
Funding Source #1		16,000				
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						
<b>Project Uses</b>						
Planning   Engineering   Legal						
Right-of-Way (if needed)						
Construction						
Inspection						
Contingency						
Equipment/Materials		16,000				
<b>Total Financing Uses</b>		<b>\$16,000</b>				

(NOTE: Sources must equal Uses)

## Harford Park – Parking Lot Resurfacing

### Description:

Harford Park –

- **Parking Lot Resurfacing** is needed due to deterioration of the surface from wear and tear and the adverse effects of weather and usage.



### Justification | Benefit Derived:

- Parking Lot Resurfacing is needed due to surface deterioration that includes cracking and separation, this has occurred over time due to adverse effects of weather and usage. Repairs will extend the life of the asset, enhance the aesthetics of the park, and provide safety for the park users – Harford Park is also home to Main Line School Night at the Creutzburg Center.

### Current Status:

- Parking Lot Resurfacing can be performed in 2019. Grant opportunities/alternative funding will be sought if available. If funding is not provided, the parking lot will continue to deteriorate and the safety could be compromised for park users.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
Funding Source #1			77,000			
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						
<b>Project Uses</b>						
Planning   Engineering   Legal						
Right-of-Way (if needed)						
Construction			77,000			
Inspection						
Contingency						
Equipment/Materials						
<b>Total Financing Uses</b>			<b>\$77,000</b>			

(NOTE: Sources must equal Uses)



## Radnor Activity Center at Sulpizio Gymnasium – Waterline Replacement

### Description:

Radnor Activity Center at Sulpizio Gymnasium

- **Waterline Replacement** of the main water utility line that enters the building at South Wayne Avenue and runs throughout the building – this line is currently deteriorating due to age as it is the original line to the building.



### Justification | Benefit Derived:

- Waterline Replacement of the building’s main water utility line is needed to in order to provide water service through the facility and to ensure the safety users.

### Current Status:

- Waterline Replacement can be performed in 2019. Grant/alternative funding will be sought if available. If funding is not provided, the line will continue to deteriorate and would need to be turned off.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
Funding Source #1			30,000			
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						
<b>Project Uses</b>						
Planning   Engineering   Legal						
Right-of-Way (if needed)						
Construction			30,000			
Inspection						
Contingency						
Equipment/Materials						
<b>Total Financing Uses</b>			<b>\$30,000</b>			

(NOTE: Sources must equal Uses)

## Radnor Trail Brookside Trail Entrance – *Parking Lot Resurfacing*

### Description:

Radnor Trail Brookside Trail Entrance -

- **Parking Lot Resurfacing** is needed due to deterioration of the surface from wear and tear and the adverse effects of weather and usage; this project would also evaluate possible expansion due to heavy demand for parking while using the Radnor Trail; repairs and resurfacing have not been performed since original parking lot's original construction in 2005.



### Justification | Benefit Derived:

- Parking Lot Resurfacing at the Brookside Trail Entrance is needed due to surface deterioration that includes cracking and separation, this has occurred over time due to adverse effects of weather and usage. Repairs will extend the life of the asset, enhance the aesthetics of the park, and provide safety for the park users.

### Current Status:

- Parking Lot Resurfacing at the Brookside Trail Entrance can be performed in 2019. Grant opportunities/alternative funding will be sought if available. If funding is not provided, the parking lot will continue to deteriorate and the safety could be compromised for park users.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
Funding Source #1			60,000			
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						

### Project Uses

Planning | Engineering | Legal  
 Right-of-Way (if needed)  
 Construction  
 Inspection  
 Contingency  
 Equipment/Materials

60,000  
**\$60,000**

(NOTE: Sources must equal Uses)

## Radnor Trail – Goff Tract Feasibility Study

### Description:

Radnor Trail –

- **Goff Tract Feasibility Study** will entail an evaluation of this Township-owned tract of land that is located adjacent to the Radnor trail; the study would review potential usage of the land that would complement the trail such as accessibility, parking, amenities and/or stormwater management.



### Justification | Benefit Derived:

- Goff Tract Feasibility Study could complement usage or function for the Radnor Trail, a heavily used recreational amenity in Radnor Township.

### Current Status:

- Goff Tract Feasibility Study can be performed in 2019. Grant/alternative funding opportunities would be sought if available.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
Funding Source #1			25,000			
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						
<b>Project Uses</b>						
Planning   Engineering   Legal			25,000			
Right-of-Way (if needed)						
Construction						
Inspection						
Contingency						
Equipment/Materials						
<b>Total Financing Uses</b>			<b>\$25,000</b>			

(NOTE: Sources must equal Uses)

## Harford Park – Entrance Sign Replacement

### Description:

Harford Park –

- **Entrance Sign Replacement** is (anticipated) to be needed due to deterioration and color degradation; replacement would be consistent with the Township park system’s new design that has been incorporated.



### Justification | Benefit Derived:

- Entrance Sign Replacement will provide a positive entrance identification for the park that is located at a visible area of the Township – Harford Park is also home to Main Line School Night at the Creutzburg Center.

### Current Status:

- Entrance Sign Replacement can take place in 2020. Grant/alternative funding will be sought if available. If funding is not provided, the sign condition will continue to deteriorate.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
Funding Source #1				16,000		
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						
<b>Project Uses</b>						
Planning   Engineering   Legal						
Right-of-Way (if needed)						
Construction						
Inspection						
Contingency						
Equipment/Materials				16,000		
<b>Total Financing Uses</b>				<b>\$16,000</b>		

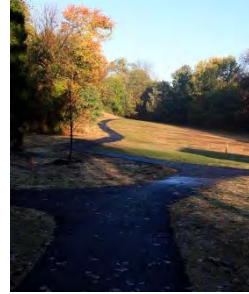
(NOTE: Sources must equal Uses)

**Friends of Radnor Trails Park – Fencing Replacement/Path Repairs**

**Description:**

Friends of Radnor Trails Park –

- **Fencing Replacement** is (anticipated) to be needed due to deteriorating conditions of sections of fencing along the west entry to the park; this is the original fencing from park’s construction in 2009.
- **Path Repairs** are (anticipated) to be needed to the walking surface that flows throughout the park; repairs have not occurred since the park’s original construction in 2009.



**Justification | Benefit Derived:**

- Fencing Replacement includes sections of fencing that are broken and weathered. Replacement is needed to maintain park aesthetics and safety for users at this heavily utilized neighborhood location.
- Path repairs are needed due to surface deterioration that includes cracking and separation, this has occurred over time due to the adverse effects of weather and use; repairs will extend the life of the asset, enhance the aesthetics of the park, and provide safety for the users of this popular recreational area in Radnor Township.

**Current Status:**

- Fencing Replacement can be performed in 2020. Grant/alternative funding opportunities will be sought if available. If funding is not provided, the fencing will continue to deteriorate and removal will be evaluated.
- Path repairs can be performed in 2020. Grants/alternative funding will be sought if available. If funding is not provided, the path will continue to deteriorate and safety of the path will be compromised for users.

**Financial Plan**

<b>Project Sources</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
Funding Source #1				36,000		
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						

**Project Uses**

Planning | Engineering | Legal  
 Right-of-Way (if needed)  
 Construction  
 Inspection  
 Contingency  
 Equipment/Materials

<b>Total Financing Uses</b>				36,000		
				<b>\$36,000</b>		

(NOTE: Sources must equal Uses)

## Odorisio Park – Comfort Station Replacement

### Description:

Odorisio Park –

- **Comfort Station Replacement** is needed due to significant deterioration of the building with signs of wear and increasing needs for repairs.
- 



### Justification | Benefit Derived:

- Comfort Station Replacement will provide positive aesthetic improvement and increased functionality of this amenity at a popular neighborhood park.

### Current Status:

- Comfort Station Replacement can take place in 2020 – earlier is preferred. Grant/alternative funding will be sought if available. If funding is not provided, the condition of the comfort station will continue to deteriorate and adversely impact the park aesthetics.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
Funding Source #1				143,000		
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						
<b>Project Uses</b>						
Planning   Engineering   Legal				143,000		
Right-of-Way (if needed)						
Construction						
Inspection						
Contingency						
Equipment/Materials						
<b>Total Financing Uses</b>				<b>\$143,000</b>		

(NOTE: Sources must equal Uses)

## Odoriso Park – Fencing, Backstop Replacement

### Description:

Odoriso Park –

- **Fencing and Backstop Replacement** is needed for these items located at the ballfield and along the park’s perimeter that are deteriorating.



### Justification | Benefit Derived:

- Fencing and Backstop Replacement includes sections of fencing along the first and third back lines and backstop along with those along the park’s perimeter property lines that are broken and weathered. Replacement needed to maintain ballfield functionality, park aesthetics, and safety for users at this heavily utilized neighborhood location.

### Current Status:

- Fencing and Backstop Replacement can be performed in 2020. Grant/alternative funding opportunities will be sought if available. If funding is not provided, these items will continue to deteriorate and removal will be evaluated.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
Funding Source #1				168,000		
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						
<b>Project Uses</b>						
Planning   Engineering   Legal						
Right-of-Way (if needed)						
Construction						
Inspection						
Contingency						
Equipment/Materials				168,000		
<b>Total Financing Uses</b>				<b>\$168,000</b>		

(NOTE: Sources must equal Uses)

## Odorasio Park – Field Regrading

### Description:

Odorasio Park –

- **Field Regrading** - is needed to repair the athletic field that has become misshapen over time in order to maintain safe recreational play.



### Justification | Benefit Derived:

- Field Regrading will provide a positive improvement and will maintain the safety of this heavily utilized recreational amenity at a popular neighborhood park.

### Current Status:

- Field Regrading can take place in 2020. Grant/alternative funding opportunities will be sought if available. If funding is not provided, the condition will continue to be compromised along with the safety for users.

### Financial Plan

	2017	2018	2019	2020	2021	2022
<b>Project Sources</b>						
Funding Source #1				39,000		
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						
<b>Project Uses</b>						
Planning   Engineering   Legal						
Right-of-Way (if needed)						
Construction				39,000		
Inspection						
Contingency						
Equipment/Materials						
<b>Total Financing Uses</b>				<b>\$39,000</b>		

(NOTE: Sources must equal Uses)



## Radnor Trail – Paved and Stone Trail Resurfacing

### Description:

Radnor Trail –

- **Paved and Stone Trail Resurfacing** is needed along the Radnor Trail that spans 2.4 miles throughout the center of Radnor Township; repairs have not occurred since the trail’s original construction in 2005.



### Justification | Benefit Derived:

- Paved and Stone Trail Resurfacing is needed due to surface deterioration that includes cracking and separation, this has occurred over time due to the adverse effects of weather and use; repairs will extend the life of the asset, enhance the aesthetics of the park, and provide safety for the users of this popular recreational amenity in Radnor Township.

### Current Status:

- Resurface Paved and Stone Trail repairs can be performed in 2020. Grants/alternative funding will be sought if available. If funding is not provided, the path will continue to deteriorate and safety of the path will be compromised for users.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
Funding Source #1				206,000		
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						
<b>Project Uses</b>						
Planning   Engineering   Legal						
Right-of-Way (if needed)						
Construction				206,000		
Inspection						
Contingency						
Equipment/Materials						
<b>Total Financing Uses</b>				<b>\$206,000</b>		
<small>(NOTE: Sources must equal Uses)</small>						

## Bishop Richard Allen Park – *Basketball Court Resurfacing*

### Description:

Bishop Richard Allen Park –

- **Basketball Court Resurfacing** is (anticipated) to be needed due to deterioration to the play surfacing such as cracking and fading; the backboard equipment is (anticipated) showing signs of rust and degradation.



### Justification | Benefit Derived:

- Basketball Court Resurfacing will provide a positive aesthetic improvement and safe use of this heavily utilized recreational amenity at a popular neighborhood park.

### Current Status:

- Basketball Court Reconstruction can take place in 2021. Grant/alternative funding opportunities will be sought if available. If funding is not provided, the condition of the court will continue to deteriorate along with the safety for users.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
Funding Source #1					16,000	
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						
<b>Project Uses</b>						
Planning   Engineering   Legal						
Right-of-Way (if needed)						
Construction					16,000	
Inspection						
Contingency						
Equipment/Materials						
<b>Total Financing Uses</b>					<b>\$16,000</b>	

(NOTE: Sources must equal Uses)

**Bo Connor Park – Basketball Court Resurfacing**

**Description:**

Bo Connor Park –

- **Basketball Court Resurfacing** is (anticipate) to be needed due to anticipated deterioration to the play surfacing such as cracking and fading; the backboard equipment is (anticipated) showing signs of rust and degradation.



**Justification | Benefit Derived:**

- Basketball Court Reconstruction will provide a positive improvement to the park aesthetics and will improve the safety of this heavily utilized recreational amenity at a popular neighborhood park.

**Current Status:**

- Basketball Court Reconstruction can take place in 2021. Grant/alternative funding opportunities will be sought if available. If funding is not provided, the condition will continue to deteriorate along with impacting the safety for users.

**Financial Plan**

<b>Project Sources</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
Funding Source #1					16,000	
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						
<b>Project Uses</b>						
Planning   Engineering   Legal						
Right-of-Way (if needed)						
Construction					16,000	
Inspection						
Contingency						
Equipment/Materials						
<b>Total Financing Uses</b>					<b>\$16,000</b>	

(NOTE: Sources must equal Uses)

## Bo Connor Park – *Field Regrading*

### Description:

Bo Connor Park –

- **Field Regrading** - is needed to repair the athletic field that has become misshapen over time in order to maintain safe recreational play.



### Justification | Benefit Derived:

- Field Regrading will provide a positive improvement and will maintain the safety of this heavily utilized recreational amenity at a popular neighborhood park.

### Current Status:

- Field Regrading can take place in 2021. Grant/alternative funding opportunities will be sought if available. If funding is not provided, the condition will continue to be compromised along with the safety for users.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
Funding Source #1					70,000	
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						
<b>Project Uses</b>						
Planning   Engineering   Legal						
Right-of-Way (if needed)						
Construction					70,000	
Inspection						
Contingency						
Equipment/Materials						
<b>Total Financing Uses</b>					<b>\$70,000</b>	

(NOTE: Sources must equal Uses)

## Odorisio Park – *Playground Replacement*

### Description:

Odorisio Park –

- Playground Replacement** is needed due to significant signs of wear, increasing needs for repairs, pieces nearing the end of their useful life, and the need for accessibility. This project will include a complete redesign and replacement to the playground with rubberized safety surface, conformity to today’s standards for American’s with Disabilities Act (ADA) along adherence to the recommended guidelines of the Consumer Product Safety Commission (CPSC); equipment here was originally installed in 1996.



### Justification | Benefit Derived:

- Playground Replacement will provide positive aesthetic improvements and will improve the usability and safety of this heavily utilized recreational amenity at a popular neighborhood park.

### Current Status:

- Playground Replacement can take place in 2021 – earlier is preferred. Grant/alternative funding opportunities will be sought if available. If funding is not provided, the condition of the equipment will continue to deteriorate along with the safety for users.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
Funding Source #1					350,000	
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						

### Project Uses

Planning | Engineering | Legal  
 Right-of-Way (if needed)  
 Construction  
 Inspection  
 Contingency  
 Equipment/Materials  
**Total Financing Uses**

350,000  
**\$350,000**

(NOTE: Sources must equal Uses)

## Bishop Richard Allen Park – Sign Replacement

### Description:

Bishop Richard Allen Park –

- **Sign Replacement** is (anticipated) due to deterioration, park sign installed in 2010; replacement will be consistent with the Township park system’s new design.



### Justification | Benefit Derived:

- Sign Replacement will provide positive entrance identification for the park.

### Current Status:

- Sign Replacement can take place in 2022+. Grant/alternative funding opportunities will be sought if available. If funding is not provided, sign condition will be compromised.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
Funding Source #1						10,000
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						
Project Uses						
Planning   Engineering   Legal						
Right-of-Way (if needed)						
Construction						
Inspection						
Contingency						
Equipment/Materials						10,000
<b>Total Financing Uses</b>						<b>\$10,000</b>
<small>(NOTE: Sources must equal Uses)</small>						

**Bo Connor Park – Playground Replacement**

**Description:**

Odorasio Park –

- **Playground Replacement** is needed due to significant signs of wear, increasing needs for repairs, pieces nearing the end of their useful life, and the need for accessibility. This project will include a complete redesign and replacement to the playground with rubberized safety surface, conformity to today’s standards for American’s with Disabilities Act (ADA) along adherence to the recommended guidelines of the Consumer Product Safety Commission (CPSC); equipment here was originally installed in 1997.



**Justification | Benefit Derived:**

- Playground Replacement will provide positive aesthetic improvements and will improve the usability and safety of this heavily utilized recreational amenity at a popular neighborhood park.

**Current Status:**

- Playground Replacement can take place in 2022 – earlier is preferred. Grant/alternative funding opportunities will be sought if available. If funding is not provided, the condition of the equipment will continue to deteriorate along with the safety for users.

**Financial Plan**

<b>Project Sources</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
Funding Source #1						450,000
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						

**Project Uses**

- Planning | Engineering | Legal
- Right-of-Way (if needed)
- Construction
- Inspection
- Contingency
- Equipment/Materials

<b>Total Financing Uses</b>	<b>\$450,000</b>
-----------------------------	------------------

(NOTE: Sources must equal Uses)

## Bo Connor Park – Sign Replacement

### Description:

Bo Connor Park –

- **Sign Replacement** is (anticipated) due to deterioration, park sign installed in 2010; replacement will be consistent with the Township park system’s new design.



### Justification | Benefit Derived:

- Sign Replacement will provide a positive entrance identification for the park that is located at a visible area of the Township.

### Current Status:

- Sign Replacement can take place in 2022+. Grant/alternative funding opportunities will be sought if available. If funding is not provided, current sign condition will be compromised.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
Funding Source #1						10,000
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						
<b>Project Uses</b>						
Planning   Engineering   Legal						
Right-of-Way (if needed)						
Construction						
Inspection						
Contingency						
Equipment/Materials						10,000
<b>Total Financing Uses</b>						<b>\$10,000</b>

(NOTE: Sources must equal Uses)



**Friends of Radnor Trails Park – Sign Replacement**

**Description:**

Friends of Radnor Trails Park –

- **Sign Replacement** is (anticipated) due to deterioration, park sign installed in 2010; replacement will be consistent with the Township park system’s new design.



**Justification | Benefit Derived:**

- Sign Replacement will provide a positive entrance identification for the park that is located at a visible area of the Township.

**Current Status:**

- Sign Replacement can take place in 2022+. Grant/alternative funding opportunities will be sought if available. If funding is not provided, current sign condition will be compromised.

**Financial Plan**

<b>Project Sources</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
Funding Source #1						10,000
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						
<b>Project Uses</b>						
Planning   Engineering   Legal						
Right-of-Way (if needed)						
Construction						
Inspection						
Contingency						
Equipment/Materials						10,000
<b>Total Financing Uses</b>						<b>\$10,000</b>

(NOTE: Sources must equal Uses)

## Odorasio Park – *Parking Lot Resurfacing*

### Description:

Odorasio Park –

- **Parking Lot Resurfacing** is needed due to deterioration of the surface from wear and tear and the adverse effects of weather and usage.



### Justification | Benefit Derived:

- Parking Lot Resurfacing is needed due to surface deterioration that includes cracking and separation, this has occurred over time due to adverse effects of weather and heavy usage. Repairs will extend the life of the asset, enhance the aesthetics of the park, and provide safety for the park users.

### Current Status:

- Parking lot resurfacing can be performed in 2022. Grant/alternative funding opportunities will be sought if available. If funding is not provided, safety of the parking lot will be compromised.

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
Funding Source #1						250,000
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						
<b>Project Uses</b>						
Planning   Engineering   Legal						
Right-of-Way (if needed)						
Construction						
Inspection						
Contingency						
Equipment/Materials						250,000
<b>Total Financing Uses</b>						<b>\$250,000</b>

(NOTE: Sources must equal Uses)

---

## Radnor Nature Park – Path Repairs

---

### Description:

Radnor Nature Park –

- **Path Repairs** are (anticipated) to be needed to the walking surface that flows throughout the park; repairs have not occurred since the park’s original construction in 2003.

---

### Justification | Benefit Derived:

- Path repairs are needed due to surface deterioration that includes cracking and separation, this has occurred over time due to the adverse effects of weather and use; repairs will extend the life of the asset, enhance the aesthetics of the park, and provide safety for the users of this park area in Radnor Township.

---

### Current Status:

- Path repairs can be performed in 2022. Grants/alternative funding will be sought if available. If funding is not provided, the path will continue to deteriorate and safety of the path will be compromised for users.

---

### Financial Plan

Project Sources	2017	2018	2019	2020	2021	2022
Funding Source #1						20,000
Funding Source #2						
Funding Source #3						
<b>Total Funding Sources</b>						
<b>Project Uses</b>						
Planning   Engineering   Legal						
Right-of-Way (if needed)						
Construction						
Inspection						
Contingency						
Equipment/Materials						20,000
<b>Total Financing Uses</b>						<b>\$20,000</b>

(NOTE: Sources must equal Uses)

# Radnor Township, PA

## Five Year Capital Plan

---

### Capital Projects Group (cont'd):

- Stormwater Management  
(To Be Determined)