



**CAPITAL IMPROVEMENT PLAN
2020-2024**

ADOPTED _____

Capital Improvements Plan Introduction

TO: BOARD OF SUPERVISORS
FROM: Doug Erickson, Manager
SUBJECT: **Capital Improvements Plan Introduction**

I am pleased to present Patton Township's Capital Improvement Plan for 2020 through 2024.

Capital projects and debt service account for approximately a quarter of Township expenditures. Prior to 2009 the Township planned for capital expenditures on a variety of levels, generally through the Township's Annual Budget process, utilizing the Designated Reserve Funds and Debt Service portions of the Budget. For certain aspects of the Township's responsibilities, we had very solid capital planning in place. Examples of these include Park Development, Police and Road Equipment Replacements, and the Street Overlay program. For other projects; such as Open Space Acquisition, the Regional Library, and the Township Office expansion; financing plans were developed as needed for each project.

As a measure of improvement and to better respond to potential changes in the economy, in 2008 we took steps to move to the next level of financial planning and implemented capital planning for a five year period. Last year the 2019-2023 Capital Improvement Plan (CIP) was adopted by the Board of Supervisors, with the 2019 elements incorporated into the Township's 2019 Annual Budget.

The CIP is a tool that assists in planning for future projects by providing:

- A forum for proposing major capital projects and significant operational increases (e.g., staff increases or COG programmatic changes) several years in advance of implementation,
- A means for establishing a process for evaluating each project's justification and benefits,
- A process for prioritizing projects in the face of limited funding, and
- A platform for evaluating financing alternatives (i.e., bonds/loans, pay-as-you-go, or wait for a grant)

Looking ahead we know certain fiscal elements should be included for capital planning:

- Infrastructure systems, particularly storm water drains in Park Forest, are nearing the end of their first life cycle. Replacement or rehabilitation will need to be undertaken in the next 10 to 20 years.

Capital Improvements Plan Introduction

Review process for CIP

- The Draft CIP will be presented for Board review in October. The initial presentation will include:
 - An overview of forecasted revenues, operating expenditures, current debt service and on-going capital expenditures for the next five years
 - The Manager's recommendation for new initiatives (capital projects and other significant expenditures) for inclusion in the five-year plan.
 - A forecast of anticipated tax rates required to support the Manager's recommendation.
 - A brief review of changes from the 2019-2023 CIP
- The Board will be asked to receive the Plan and provide direction to the Manager for preparation of the next draft or, potentially, the final version of the Plan to be adopted.
- The plan for capital projects and other significant expenditures scheduled for 2020 will then be incorporated into the Annual Budget to be presented in November.
- Presentation and revision of the CIP and Budget can continue up to adoption of the Township's annual budget no later than December 31, 2019.

Capital Improvements Plan Manager's Recommendation

Capital Improvement Plan Manager's Recommendation

The Manager's recommendation consists of two parts:

- Capital projects and significant increases to operational expenditures (e.g. staff increases) proposed for the 2020 – 2024 Capital Improvement Plan (CIP), and
- Forecast of Real Estate Tax Rates to support the 2020 – 2024 CIP

This memo will also provide a brief overview of assumptions utilized to establish the baseline forecasts for revenues and expenditures.

Proposed projects for 2020 – 2024 Capital Improvement Plan

A brief description follows for each project recommended for inclusion in the 2020 – 2024 CIP. A detailed schedule of annual expenditures for the following projects and expenditures can be found on page 10 of the CIP. Additional information on each project is available in the Project Description detail pages.

Please note: On-going capital outlays for existing Township and regional programs have been assumed to continue in accordance with past practices. These programs include, but are not limited to, replacement of Public Works and Police vehicles, local Park development, CATA capital contribution, COG capital contributions for pool renewals, Fire equipment replacement/acquisition, and regional park development. Some multi-year projects, such as the Douglas Drive Ditch Improvements and Sign Reflectivity Replacements, that previously appeared in this section of the narrative have now been classified as existing programs. A brief description of these items is included in the Project Detail pages.

New: Administrative Sergeant (PD-11): The addition of an Administrative Sergeant position would ensure that the department continues to operate with the most contemporary policies and procedures. This becomes vital when the department is involved in a major incident. The Administrative Sergeant would also be responsible for training and training records emphasizing current needs of the department and trends in policing.

New: Police Staff Addition to Patrol (PD-4): One staff addition to patrol is proposed for 2020. In January 2018, the State College Area School District added a part time School Resource Officer (SRO) position for the Park Forest Middle School staffed by a Patton Township Police Department Officer. The School District pays half of this officer's full-time salary. This outside funding continues to offset a portion of the General Fund Costs for this position. The SRO works in the school for at least 4 hours per day and the other half of their day is devoted to general patrol. The staff addition to patrol would help offset scheduling issues related to and working around the SRO position.

Capital Improvements Plan Manager's Recommendation

New: Police Secretary (Part-Time) (PD-12): The troubled implementation of the new police Records Management System (RMS) in 2019 caused normal day to day operations in police records to back up. Much of one Police Secretaries time has been trouble shooting RMS issues in an attempt to enable the system to work properly for our agency and consortium. Issues with the RMS have caused things like expungements and Uniform Crime Reporting to fall behind. The addition of a part-time police secretary will help to catch our records section up. The part-time police secretary will also learn the daily tasks of both secretaries to start an attrition plan as retirements are likely on the horizon for both Police Records Staff.

External Consultant (PD-13): To ensure that the Patton Township Police Department is providing the best possible public safety services to the residents of Patton Township, the policies and procedures of the department should be reviewed by an independent source. This project would set aside money to hire an external consultant to review the policies and procedures and make recommendations to strengthen these guidelines for the department. Contemporizing the policies and procedures will limit or eliminate liability the department and its officers could face in the future. An external review should be conducted at least every 10 years.

Automatic License Plate Recognition (ALPR) (PD-14): ALPR systems generally consist of a high speed camera with an infrared ("IR") filter or two cameras—one high resolution digital camera and one IR camera—to capture images of license plates; a processor and application capable of performing sophisticated optical character recognition (OCR) to transform the image of the plate into alphanumeric characters; application software to compare the transformed license plate characters to databases of license plates of interest to law enforcement; and a user interface to display the images captured, the results of the OCR transformation, and an alert capability to notify operators when a plate matching an agency's "hot list" is observed.

Toftrees Corridor Improvements (PW-22): On 9/11/19, the Board voted to engage Navarro & Wright Consulting Engineers Inc. to complete the following tasks for the Toftrees Corridor Improvements Project: plans and survey, traffic data collection and analysis, geotechnical evaluations, feasibility analysis, meetings, preliminary engineering for phase 1, and grant assistance. Any construction dollars at this time are estimates as placeholders for when we have better information available. The Township owns 50' of ROW throughout the corridor so significant ROW takes may be necessary (unknown at this point).

Stormwater Pipe Rehabilitation (PW-34): Many of the stormwater pipes in the Township are corrugated metal pipes that have varying levels of corrosion. This project includes inspection and potential replacement or rehabilitation of these pipes. - Eventually all stormwater pipes in the Township will be surveyed and ranked based on the assessed condition of the pipe. Periodically these pipes will be inspected based on condition, worst to best and rehabilitation actions taken if necessary. This will be revised as pipe inspection is performed. This project has been delayed one year from prior CIP.

Capital Improvements Plan Manager's Recommendation

Bikeway Development (G-3): in response to the recreational preference expressed through the 2008 Open Space/Recreation questionnaire and the 2014 Parks Survey, the CIP included design and construction of the Circleville road bikeway beginning in 2013. The design was locally funded, and the construction costs were primarily funded through state grants. Phase 2 – Scotia Road to Gray's Woods Boulevard - of this project has been tabled indefinitely. Further priority bikeway projects were developed through a process documented in the Patton Township Bikeway Plan adopted by the Board in September 2010. The next project, the Valley Vista Bikeway, is anticipated to start in 2020. \$1,119,212 (\$1,041,212 Grant, \$100,000 Patton Township local match, \$50,000 Ferguson Township local match) total.

MS4 Storm Water Projects (PW-20): It is anticipated that the next permit round, starting in 2018, will require the installation of storm water best management practices (BMPs) to reduce the amount of sediment being transported into local streams. 2017 expenditures include regionally engaging a consultant to recommend projects. 2020 and 2021 expenditures are a very preliminary estimate of project scope.

Bernel Road/Fox Hill Road Intersection Improvements (PW-19): This intersection has long been identified as a candidate for re-configuration to a standard "T" layout. New development is occurring in the vicinity and it is likely to trip a warrant for these improvements. It is anticipated that it will require multiple funding partners to finance the project including the developers, the Township, and PennDOT. At this time, we are waiting to hear if state grant funds will be awarded in November. The funds shown below only represent the Township's current commitment to the project. This project has been delayed one year from prior CIP.

Solar Panels (PW-24): Project to install solar panels on the public works building. \$50,000 for 2020, of which \$20,000 is expected to be funded by a grant. This project has been delayed one year from prior CIP while still seeking grant funds.

Connection of Shared Use Path (Parks-4): Companion project to Valley Vista Drive Shared Use Path to provide connections at Douglas Drive and Sandy Ridge Road to Park Forest. Both will require acquisition of easements over private property. The need for pedestrian crossing equipment (flashers, etc.) will also be evaluated. Grant funding will be explored. This project has been delayed one year from prior CIP.

Fire Station Retaining Wall (PW-30): During the October 2016 storms, some of the bank between Ameron and Patton Township property occupied by the Alpha Fire Station and Clearwater Conservancy was eroded into the parking lot. Currently there is a retaining wall along the western edge of this property line extending approximately 1/2 way. The project would install a retaining block wall approximately 4 feet high to stabilize this slope. The property line appears to be located in the middle of the existing retaining wall thus requiring approval and cooperation from Ameron. This project has been delayed one year from prior CIP.

Capital Improvements Plan Manager's Recommendation

Scotia Road Surface Improvement (PW-33): The pavement and subbase and subgrade of Scotia Road is in need of repair to keep it functional for years to come. This project will look at improvements that can be made to the subsurface such as subsurface drainage, subsurface replacement/repair, cold-in-place recycling or full depth reclamation to provide a stable base for the wearing surface. After the base/subbase is repaired, a new asphalt wearing surface will be installed. This project has been delayed one year from prior CIP.

Douglas Drive Ditch Flooding Analysis (PW-36): Analyze the watershed that contributes to the unnamed tributary (UNT) to Big Hollow and determine the flood risk to homes on the 500 block of W. Hillside Avenue. Make recommendations for mitigation measures. This project has been delayed one year from prior CIP.

Circleville Bikeway Phase 2 (Parks-8): Alternative Analysis (2020) to extend shared-use path from current end to Gray's Woods Boulevard.

Capital Improvements Plan Manager’s Recommendation

Forecast of Real Estate Tax Rates to support the 2020 – 2024 CIP

Under the Second Class Township Code, Patton Township has a single recourse for increasing revenues to support expansions to the suite of services and programs provided to Township residents and businesses. The Township’s levied rates for Earned Income Tax, Real Estate Transfer Tax, and Local Services Tax are at the maximum rate permitted by the Code. To provide required fiscal resources to support continuation of existing services and the programs/projects noted above increases to the Real Estate (property) Tax rate will very likely be required.

Increases to the Township Real Estate (RE) Tax rate have occurred infrequently since 2000. In 2003 the rate was increased by 1.6 mills to a rate of 7.7 mills. This rate increase included 1.0 mill dedicated for the voter approved Open Space Acquisition program. From 2004 through 2008 the Board incrementally reduced the RE Tax rate by 6.5% to 7.2 mills through adoption of the Local Services Tax, reducing the dedicated millage to Open Space debt service and favorable growth in local economic conditions. In the same time span the Township dropped the Occupational Privilege Tax. The 2008 re-authorization of the Local Services Tax reduced this revenue stream, provided by employees who work within the township and utilize local road and police services, by approximately \$70,000, or the equivalent of 0.2 mills of RE tax revenues. In 2008 to 2012 the Township increased the millage to sustain existing services to residents and businesses.

The financial impacts of the Great Recession “bottomed out” in 2011. Home construction has barely rebounded from the low point but has seen little growth in the last two years. Student residential development, including a significant expansion at The Stations, is growing, and transfer tax revenues are slightly higher than anticipated. The growth in the real estate tax base and other revenues will reduce the need to increase the real estate tax millage. To support the programs, projects, and staff additions included in the 2019 – 2023 CIP the Manager forecasts that the following RE tax increases will be needed:

Year	RE Tax Rate	% increase over Previous year
2016	8.9 mills + 0.6 mills for Open Space	6.7%
2017	8.9 mills + 0.6 mills for Open Space	-0-
2018	8.9 mills + 0.6 mills for Open Space	-0-
2019	8.9 mills + 0.6 mills for Open Space	-0-
2020	8.9 mills + 0.6 mills for Open Space	-0-
2021	9.1 mills + 0.6 mills for Open Space	2.1%
2022	9.2 mills + 0.6 mills for Open Space	1.1%
2023	9.3 mills + 0.6 mills for Open Space	1.1%
2024	9.4 mills + 0.6 mills for Open Space	1.1%

Capital Improvements Plan Manager’s Recommendation

A 0.6 mill increase was enacted in 2016 to finance the purchase of property for open space preservation. That millage would likely decrease over time as the tax base increases and be retired in 2035 after the debt is paid off.

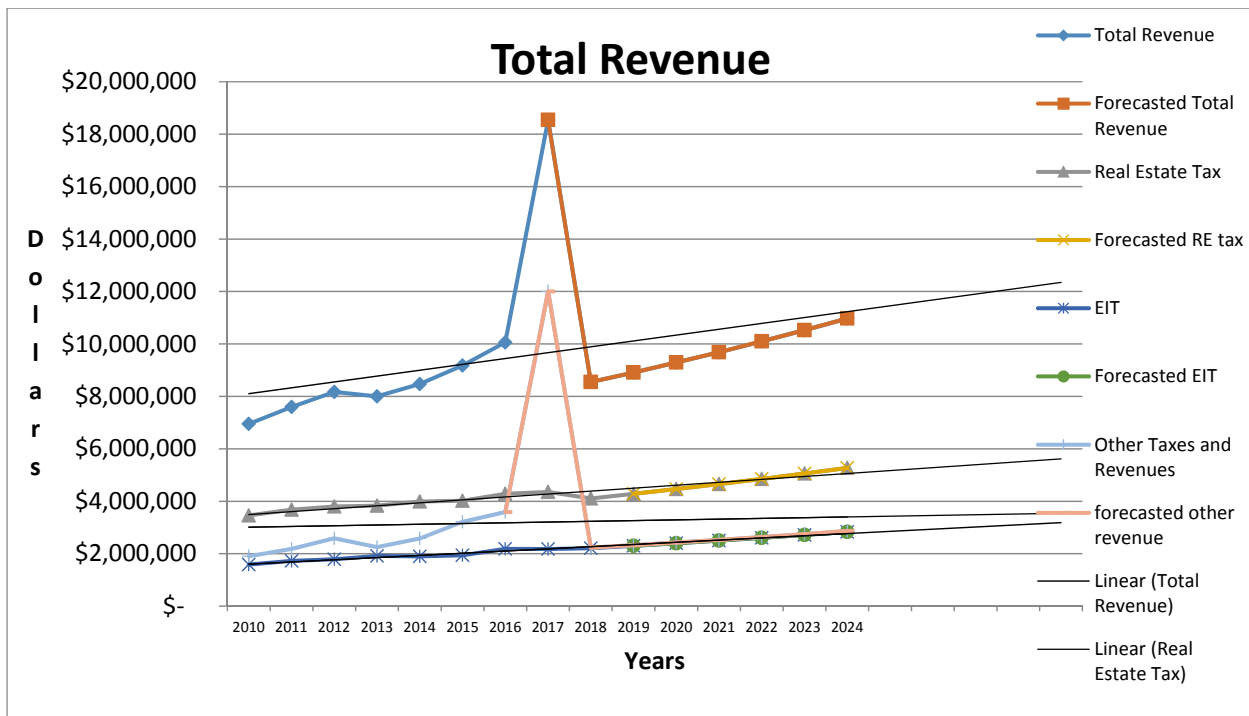
Assumptions for Revenue and on-going Expenditure trends

In preparing the CIP the Director of Finance & Administration reviewed prior trends in revenues and expenditures. When the prior trend revealed consistent results, this trend was used to forecast revenues and expenditures for the CIP. When the recent results exposed a differing trend, the forecast was altered to reflect the “new normal.” Whenever specific programs and capital costs are available, these have been utilized.

A brief description of assumptions used to generate forecasts of the items noted follows:

Revenues: Trends for the anticipated growth of revenues were developed individually for:

- Real Estate Tax revenue – growth rate expected to decrease from past trends. 2019 growth is estimate at 3.0%. Additional growth is anticipated for 2020 to 2024 at a rate not to exceed 3.0%.
- Earned Income Tax revenue – growth in revenue is expected to be stable.
- The growth of all other revenue sources (including Local Services Tax, Transfer Tax, grants, fees, fines and intergovernmental receipts) is expected to be stable.



Capital Improvements Plan Manager's Recommendation

Operating Expenditures / Personnel: Includes wages, pension contributions, payroll taxes, and employee benefits.

Expenditures are anticipated to increase at approximate average of 3.3% per year.

Operating Expenditures / Other Operating Costs - Local: Includes all other non-capital costs for providing services including fuel, road salt, supplies and consumables, insurance, vehicle maintenance, staff training and development, etc.

These costs are anticipated to increase at less than a half of a percent per year.

Operating Expenditures / Other Operating Costs – Regional: Includes contributions to the Centre Region COG and CATA for non-capital items including Fire Protection, Parks maintenance, Regional planning, CATA operating, etc., as well as support of community organizations such as Fourth Fest and Centre Home Care.

The 2019 expenditures were derived from the 2019 COG budget. Expenditures are anticipated to increase by \$71,000 per year from 2020 to 2024.

Capital Expenditures / Minor Capital Items: Includes durable items, typically one-time purchases of less than \$10,000, purchased for support of local operations, including furnishings, computer equipment, and shop equipment for PW.

These costs are anticipated to decrease at a rate of \$5,000 per year.

Capital Expenditures / Capital Allocations – Local: Includes on-going capital programs, typically managed through a Designated Reserve Fund that receives an annual allocation from the General Fund. The Building Refurbishment Fund, Road Resurfacing Fund, the Police Vehicle Fund, and PW Equipment Fund are in-place to plan for the needed maintenance or replacement of current capital assets. Allocations for 2020 through 2024 were forecasted for each fund separately.

The Park Fund supports the new development of Bernel Road and Gray's Woods Parks and refurbishment of current facilities in other existing Township parks. Allocations for 2020 through 2024 are based on the current dedicated millage rate (0.7 mills).

Capital Expenditures / Capital Allocations – Regional: Includes on-going COG capital programs and CATA capital contributions. COG programs include Pool Renewals financing, Regional Parks contributions, and Fire Capital. Allocations for 2020 through 2024 are based on:

- Pool Renewals debt service schedule
- Regional Parks decrease in annual contribution to \$98,359
- Fire Capital per 2019 COG Budget
- CATA Capital prior five years trend

PATTON TOWNSHIP

CAPITAL IMPROVEMENTS PLAN

Projection of Revenues and Expenditures

2020-2024

MANAGER'S RECOMMENDATIONS

	Actual 2016	Actual 2017	Actual 2018	Projected 2019	Forecast 2020	Forecast 2021	Forecast 2022	Forecast 2023	Forecast 2024
Cash Balance FWD	2,895,483	2,834,773	3,757,959	3,272,376	2,928,269	1,607,781	1,111,875	1,401,030	1,807,940
	10,055,732	18,541,331	8,548,774	8,912,097	9,290,861	9,685,723	10,097,366	10,526,504	10,973,880
	270,494	275,332	259,523	270,553	282,051	392,051	459,802	532,604	610,764
Total Revenue	10,326,226	18,816,663	8,808,297	9,182,650	9,572,912	10,077,774	10,557,168	11,059,108	11,584,644
changes to millage	9.5	9.5	9.5	9.5	9.5	9.7	9.8	9.9	10.0
	0.6	0.6	0.6	0.6	0.6	0.8	0.9	1.0	1.1
	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
Operating Expenditures									
Personnel	4,319,261	4,555,011	4,056,136	4,187,961	4,324,070	4,464,602	4,609,702	4,759,517	4,914,201
Other Operating Costs -Local	1,052,521	1,132,387	1,232,073	1,238,178	1,244,283	1,250,388	1,256,493	1,262,598	1,268,703
Other Operating Costs - Regional	1,204,615	1,125,561	1,147,563	1,161,908	1,176,432	1,191,137	1,206,026	1,221,101	1,236,365
	6,576,397	6,812,959	6,435,772	6,588,047	6,744,785	6,906,127	7,072,221	7,243,216	7,419,269
Proposed Staff Additions and additional operating	0	0	0	15,100	15,100	15,100	15,100	15,100	15,100
Capital Expenditures									
Minor Capital items	56,688	66,814	110,756	110,959	111,162	111,365	111,568	111,771	111,974
Capital Allocations (including reserve funds)									
Local	1,085,805	640,519	988,559	965,516	933,430	976,916	923,995	1,044,194	1,015,168
Regional	329,514	370,544	653,480	462,630	472,110	480,975	397,892	389,130	389,568
	1,415,319	1,011,063	1,642,039	1,428,146	1,405,540	1,457,891	1,321,887	1,433,324	1,404,736
Proposed Capital Projects	2,055,036	6,519,529	406,617	277,311	2,831,804	3,280,958	2,268,928	1,438,434	677,163
Less financing	1,041,261	4,465,277	26,027	0	0	900,000	0	0	0
Less Grants/Awards/Contributions	0	817,500	64,911	0	1,271,212	1,195,000	1,415,000	500,000	250,000
	1,013,775	1,236,752	315,679	277,311	1,560,592	1,185,958	853,928	938,434	427,163
Debt (including Open Space Dedicated Millage)	825,950	8,245,962	789,633	1,107,194	1,056,220	824,069	820,139	816,061	821,480
Additional Debt Service on Project to be financed	498,805	519,927	0	0	0	73,170	73,170	94,292	94,292
Total Expenditures (including Proposed Projects)	10,386,935	17,893,477	9,293,879	9,526,757	10,893,399	10,573,680	10,268,013	10,652,198	10,294,014
Revenue less Expenditures	(60,709)	923,185	(485,583)	(344,107)	(1,320,487)	(495,906)	289,155	406,910	1,290,630
Ending Cash Balance	2,834,773	3,757,959	3,272,376	2,928,269	1,607,781	1,111,875	1,401,030	1,807,940	3,098,570
Cash Balance as a % of Total Expenditures	27.3%	21.0%	35.2%	30.7%	14.8%	10.5%	13.6%	17.0%	30.1%

PATTON TOWNSHIP

CAPITAL IMPROVEMENTS PLAN

2020-2024

Proposed Projects

Recommended		2018	2019	2020	2021	2022	2023	2024	Project Cost for 8 year period
		*Requires Financing (below)							
Capital Project	Priority								
Public Works Office Expansion	Beneficial	50,000	0	0	0	0	0	0	50,000
Bike Ways*	Beneficial	0	72,851	150,000	1,000,000	100,000	500,000	0	3,051,386
Circleville Bikeway Phase 2	Beneficial	0	0	20,000	30,000	100,000	0	0	150,000
Gray's Woods Park	Beneficial	0	0	0	14,000	340,000	0	250,000	604,000
Valley Vista Drive Improvements	Beneficial	0	0	0	0	0	0	0	1,447,757
Valley Vista Drive Adaptive Signalling	Beneficial	0	0	297,000	0	0	0	0	297,000
Police Records Management System	Critical	0	0	0	0	0	0	0	90,000
Traffic Signal Replacement	Beneficial	0	0	67,554	34,588	35,418	36,268	0	206,040
MS4 Stormwater Projects	Critical	0	0	40,000	40,000	40,000	40,000	40,000	225,000
North Atherton Street Adaptive Signals	Beneficial	10,000	0	0	0	0	0	0	20,000
Toftrees Corridor Improvements	Critical	0	0	80,440	293,250	350,750	55,000	0	779,440
Solar Panels	Beneficial	0	0	0	50,000	0	0	0	50,000
Bernel Rd & Fox Hollow Rd Intersect	Beneficial	0	100,000	50,000	0	0	0	0	150,000
KINBER Internet Service	Critical	43,200	0	0	0	0	0	0	43,200
Myers/Everhart Farm Conservation	Critical	75,000	0	0	0	0	0	0	75,000
Millbrook Marsh Nature Center	Beneficial	5,580	10,940	16,500	16,500	11,000	0	0	60,520
Bernel Road Park Phase 2A	Beneficial	0	0	0	900,000	0	498,633	100,000	1,498,633
Staff Addition to Patrol NEW	Beneficial	0	0	111,137	123,100	135,666	149,233	153,710	672,846
Administrative Sergeant NEW	Beneficial	0	0	8,891	9,848	10,853	11,939	12,297	53,828
Police Secretary - Part-Time NEW	Beneficial	0	0	21,320	21,840	22,360	22,880	23,400	111,800
External Consultant NEW	Beneficial	0	0	15,000	0	0	0	0	15,000
Automatic License Plate Recognition NEW	Beneficial	0	0	20,000	2,500	3,000	3,000	3,500	32,000
Taser Replacement	Critical	9,200	0	0	0	0	0	0	9,200
WatchGuard Body Cameras	Beneficial	18,430	14,705	0	0	0	0	0	33,135
Police Station Door Key Fobs	Beneficial	14,000	0	0	0	0	0	0	14,000
Emergency Power for Shop	Beneficial	30,000	0	0	0	0	0	0	30,000
Minor Shared Use Connectors	Beneficial	0	0	80,000	0	0	0	0	80,000
Valley Vista Shared Use Path	Beneficial	0	0	1,504,894	0	0	0	0	1,504,894
Oakwood Shared Use Path	Beneficial	0	0	0	95,000	1,000,000	0	0	1,095,000
Township Bicycle Route System	Beneficial	0	0	30,000	0	0	0	0	30,000
Assistant Engineer/Project Manager	Beneficial	101,186	0	0	0	0	0	0	101,186
Martin Street Island Removal/Replacement	Beneficial	0	8,815	0	0	0	0	0	8,815
Fire Station Retaining Wall	Beneficial	0	0	9,600	0	0	0	0	9,600
Earl Basin Outlet Replacement	Critical	3,671	0	0	0	0	0	0	3,671
Devonshire Stormwater Pipe Replacement	Critical	8,030	0	0	0	0	0	0	8,030
Scotia Road Surface Improvement	Critical	28,750	0	92,000	392,576	0	0	0	513,326
Stormwater Pipe Rehabilitation	Critical	0	0	40,250	34,500	20,000	20,000	20,000	134,750
Douglas Ditch Upper Reach Clean-up	Critical	9,570	0	0	0	0	0	0	9,570
Douglas Drive Ditch Flooding Analysis	Beneficial	0	0	0	75,000	0	0	0	75,000
Township Website Update	Beneficial	0	0	26,268	5,756	5,756	5,756	5,756	49,292
Deputy Manager	Beneficial	0	10,000	10,200	10,400	10,600	10,800	11,000	63,000
Communications Position (Part-Time)	Beneficial	0	0	40,000	30,600	31,200	31,800	32,500	166,100
Ordinance Officer (Part-Time)	Beneficial	0	25,000	25,750	26,500	27,325	28,125	0	132,700
Open Space Gator	Beneficial	0	10,000	0	0	0	0	0	10,000
Broadband Expansion	Beneficial	0	25,000	75,000	75,000	25,000	25,000	25,000	250,000
Total Project Costs		406,617	277,311	2,831,804	3,280,958	2,268,928	1,438,434	677,163	19,755,780
Less <u>Financed Projects (see below)</u>									
Valley Vista Drive Improvements		0	0	0	0	0	0	0	455,277
Valley Vista Drive Adaptive Signalling		26,027	0	0	0	0	0	0	26,027
Bernel Road Park Phase 2A		0	0	0	900,000	0	0	0	900,000
		26,027	0	0	900,000	0	0	0	6,432,565
Less <u>Grant/Developer Funding/Assessment</u>									
Bikeways		0	0	0	1,000,000	0	500,000	0	1,500,000
Circleville Bikeway Phase 2		0	0	0	0	50,000	0	0	50,000
Valley Vista Multi-Modal Grant		0	0	0	0	0	0	0	800,000
Valley Vista Drive Adaptive Signalling		0	0	230,000	0	0	0	0	230,000
Solar Panels		0	0	0	20,000	0	0	0	20,000
County LFT - Julian Pike Guide Rail		0	0	0	0	0	0	0	17,500
Ferguson Township		50,000	0	0	0	0	0	0	50,000
Toftrees Corridor Improvements		0	0	0	25,000	25,000	0	0	50,000
Park Construction - Local		0	0	0	150,000	340,000	0	250,000	740,000
Valley Vista Shared Use Path		0	0	1,041,212	0	0	0	0	1,041,212
Oakwood Shared Use Path		0	0	0	0	1,000,000	0	0	1,000,000
State College Area School District		14,911	0	0	0	0	0	0	14,911
Total Grants		64,911	0	1,271,212	1,195,000	1,415,000	500,000	250,000	6,101,274
General Fund Impact of Proposed Capital Projects -Pay as you Go		315,679	277,311	1,560,592	1,185,958	853,928	938,434	427,163	7,809,592
Plus <u>Operational Impacts</u>									
New Crime Mgt Software on going maintenance costs		0	15,100	15,100	15,100	15,100	15,100	15,100	90,600
		0	15,100	15,100	15,100	15,100	15,100	15,100	90,600
Debt Service for Proposed Projects									
Waddle Road Bridge		0	0	0	0	0	0	0	400,000
Waddle Road Widening		0	0	0	0	0	21,122	21,122	63,366
Valley Vista Widening		0	0	0	0	0	0	0	108,000
Bernel Road Park Phase 2A		0	0	0	44,245	44,245	44,245	44,245	666,590
Circleville-Gray's Woods Connector		0	0	0	0	28,925	28,925	28,925	86,775
		0	0	0	44,245	73,170	94,292	94,292	1,324,731
Total General Fund Cost of Proposed Projects		315,679	292,411	1,575,692	1,245,303	942,198	1,047,826	536,555	9,224,923

Patton Township, Pennsylvania

Capital Improvement Plan

2020 thru 2024

PROJECTS BY DEPARTMENT

Department	Project #	Priority	2020	2021	2022	2023	2024	Total
Administration								
Building Refurbishment Fund	<i>Admin-1</i>	4	35,305	52,051	34,869	33,359	34,109	189,693
Township Website Update	<i>Admin-5</i>	n/a	26,268	5,756	5,756	5,756	5,756	49,292
Communications Position (Part-Time)	<i>Admin-8</i>	4	40,000	30,600	31,200	31,800	32,500	166,100
Broadband Expansion	<i>Admin-9</i>	4	75,000	75,000	25,000	25,000	25,000	225,000
Administration Total			176,573	163,407	96,825	95,915	97,365	630,085
COG								
Park Forest Pool Renewal	<i>COG-1</i>	1	36,883	36,883	36,883	36,883	36,883	184,415
Welch Pool Renewal	<i>COG-2</i>	1	62,802	62,802	62,802	62,802	62,802	314,010
Regional Parks	<i>COG-3</i>	2	73,780	73,780	73,780	73,780	73,780	368,900
Fire Equipment and Capital	<i>COG-5</i>	3	76,457	79,516	82,695	73,516	76,457	388,641
CATA Capital	<i>COG-6</i>	4	15,139	15,896	16,691	17,525	18,401	83,652
Millbrook Marsh Nature Center	<i>COG-8</i>	7	16,500	16,500	11,000			44,000
COG Total			281,561	285,377	283,851	264,506	268,323	1,383,618
Parks								
Park Construction - Local	<i>Parks-1</i>	6	238,525	14,000	340,000		250,000	842,525
Bernel Road Park Phase 2A	<i>Parks-2</i>	4	0	900,000	0	498,633	100,000	1,498,633
Minor Shared Use Connectors	<i>Parks-4</i>	n/a		80,000				80,000
Valley Vista Shared Use Path	<i>Parks-5</i>	n/a	1,504,894					1,504,894
Oakwood Shared Use Path	<i>Parks-6</i>	n/a		95,000	1,000,000			1,095,000
Township Bicycle Route System	<i>Parks-7</i>	n/a	30,000					30,000
Circleville Bikeway Phase 2	<i>Parks-8</i>	n/a	20,000	30,000	100,000			150,000
Parks Total			1,793,419	1,119,000	1,440,000	498,633	350,000	5,201,052
Police								
Police Car Replacement	<i>PD-1</i>	6	73,948	38,083	39,226	40,400	78,810	270,467
Administrative Sergeant	<i>PD-11</i>	n/a	8,891	9,848	10,853	11,939	12,297	53,828
Police Secretary (Part-Time)	<i>PD-12</i>	n/a	21,320	21,840	22,360	22,880	23,400	111,800
External Consultant	<i>PD-13</i>	n/a	15,000					15,000
Automatic License Plate Recognition (ALPR)	<i>PD-14</i>	n/a	20,000	2,500	3,000	3,000	3,500	32,000
Staff Additions to Patrol	<i>PD-4</i>	4	111,137	123,100	135,666	149,233	153,710	672,846
Police Total			250,296	195,371	211,105	227,452	271,717	1,155,941
Public Works								
Road Equipment Replacement	<i>PW-10</i>	6	244,187	190,365	96,857			531,409
Road Resurfacing and Reconstruction	<i>PW-11</i>	6	368,000	428,000	428,000	430,000	60,000	1,714,000
Homestead Farms Roadway	<i>PW-13</i>	1	25,132	29,700	0	0	0	54,832
Traffic Signal Replacement	<i>PW-18</i>	4	67,554	34,588	35,418	36,268	0	173,828
Bernel Rd and Fox Hollow Rd Intersection Changes	<i>PW-19</i>	4	50,000					50,000
Traffic Signal Battery Back-up and Improvements	<i>PW-2</i>	4	49,988					49,988
MS4 Stormwater Projects	<i>PW-20</i>	3	40,000	40,000	40,000	40,000	40,000	200,000

Department	Project #	Priority	2020	2021	2022	2023	2024	Total
Toftrees Corridor Improvements	<i>PW-22</i>	3	80,440	293,250	350,750	55,000		779,440
Solar Panels	<i>PW-24</i>	4		50,000				50,000
Sign Reflectivity Project	<i>PW-3</i>	1	3,000	3,000	3,000	3,000	3,000	15,000
Fire Station Retaining Wall	<i>PW-30</i>	4	9,600					9,600
Scotia Road Surface Improvement	<i>PW-33</i>	3	92,000	392,576				484,576
Stormwater Pipe Rehabilitation	<i>PW-34</i>	3	40,250	34,500	20,000	20,000	20,000	134,750
Douglas Drive Ditch Flooding Analysis	<i>PW-36</i>	4		75,000				75,000
Valley Vista Adaptive Signal Project	<i>PW-41</i>	n/a	297,000					297,000
Public Works Total			1,367,151	1,570,979	974,025	584,268	123,000	4,619,423
GRAND TOTAL			3,869,000	3,334,134	3,005,806	1,670,774	1,110,405	12,990,119

Patton Township, Pennsylvania
Capital Improvement Plan
 2020 thru 2024

FUNDING SOURCE SUMMARY

Source	2020	2021	2022	2023	2024	Total
Dedicated Real Estate Taxes	354,923	361,655	366,924	372,428	378,015	1,833,945
Developer Contribution		0				0
Fund Balance	4,800					4,800
General Fund	1,774,849	1,903,347	1,273,536	1,451,747	1,021,986	7,425,465
Grant	1,291,212	1,075,000	1,415,000		250,000	4,031,212
Interest	350	350	300	350	350	1,700
Liquid Fuels	450,000	391,660	390,000	425,000	400,000	2,056,660
Sale of Used Equipment	20,000	20,000	20,000	20,000	20,000	100,000
Special Assessment	14,871	14,871	14,871	14,871	0	59,484
GRAND TOTAL	3,911,005	3,766,883	3,480,631	2,284,396	2,070,351	15,513,266

Patton Township, Pennsylvania

Capital Improvement Plan

2020 thru 2024

FUNDING SOURCES BY DEPARTMENT

Department	2020	2021	2022	2023	2024	Total
Administration						
General Fund	182,768	154,356	106,456	108,556	110,756	662,892
Interest	100	100	100	100	100	500
Administration Total	182,868	154,456	106,556	108,656	110,856	663,392
COG						
General Fund	281,561	285,377	287,451	264,506	268,323	1,387,218
COG Total	281,561	285,377	287,451	264,506	268,323	1,387,218
Parks						
Dedicated Real Estate Taxes	354,923	361,655	366,924	372,428	378,015	1,833,945
General Fund	513,682	205,000	50,000	498,633	100,000	1,367,315
Grant	1,041,212	1,050,000	1,390,000		250,000	3,731,212
Parks Total	1,909,817	1,616,655	1,806,924	871,061	728,015	6,932,472
Police						
General Fund	226,348	207,288	221,879	237,052	243,907	1,136,474
Interest	100	100	50	100	100	450
Police Total	226,448	207,388	221,929	237,152	244,007	1,136,924
Public Works						
Developer Contribution		0				0
Fund Balance	4,800					4,800
General Fund	570,490	1,051,326	607,750	343,000	299,000	2,871,566
Grant	250,000	25,000	25,000			300,000
Interest	150	150	150	150	150	750
Liquid Fuels	450,000	391,660	390,000	425,000	400,000	2,056,660
Sale of Used Equipment	20,000	20,000	20,000	20,000	20,000	100,000
Special Assessment	14,871	14,871	14,871	14,871	0	59,484
Public Works Total	1,310,311	1,503,007	1,057,771	803,021	719,150	5,393,260
GRAND TOTAL	3,911,005	3,766,883	3,480,631	2,284,396	2,070,351	15,513,266

Patton Township, Pennsylvania

Capital Improvement Plan

2020 thru 2024

PROJECTS BY FUNDING SOURCE

Source	Project #	Priority	2020	2021	2022	2023	2024	Total
Dedicated Real Estate Taxes								
Park Construction - Local	<i>Parks-1</i>	6	354,923	361,655	366,924	372,428	378,015	1,833,945
Dedicated Real Estate Taxes Total			354,923	361,655	366,924	372,428	378,015	1,833,945
Developer Contribution								
Traffic Signal Battery Back-up and Improvements	<i>PW-2</i>	4		0				0
Developer Contribution Total				0				0
Fund Balance								
Fire Station Retaining Wall	<i>PW-30</i>	4	4,800					4,800
Fund Balance Total			4,800					4,800
General Fund								
Building Refurbishment Fund	<i>Admin-1</i>	4	41,500	43,000	44,500	46,000	47,500	222,500
Township Website Update	<i>Admin-5</i>	n/a	26,268	5,756	5,756	5,756	5,756	49,292
Communications Position (Part-Time)	<i>Admin-8</i>	4	40,000	30,600	31,200	31,800	32,500	166,100
Broadband Expansion	<i>Admin-9</i>	4	75,000	75,000	25,000	25,000	25,000	225,000
Park Forest Pool Renewal	<i>COG-1</i>	1	36,883	36,883	36,883	36,883	36,883	184,415
Welch Pool Renewal	<i>COG-2</i>	1	62,802	62,802	62,802	62,802	62,802	314,010
Regional Parks	<i>COG-3</i>	2	73,780	73,780	73,780	73,780	73,780	368,900
Fire Equipment and Capital	<i>COG-5</i>	3	76,457	79,516	86,295	73,516	76,457	392,241
CATA Capital	<i>COG-6</i>	4	15,139	15,896	16,691	17,525	18,401	83,652
Millbrook Marsh Nature Center	<i>COG-8</i>	7	16,500	16,500	11,000			44,000
Bernel Road Park Phase 2A	<i>Parks-2</i>	4	0			498,633	100,000	598,633
Minor Shared Use Connectors	<i>Parks-4</i>	n/a		80,000				80,000
Valley Vista Shared Use Path	<i>Parks-5</i>	n/a	463,682					463,682
Oakwood Shared Use Path	<i>Parks-6</i>	n/a		95,000				95,000
Township Bicycle Route System	<i>Parks-7</i>	n/a	30,000					30,000
Circleville Bikeway Phase 2	<i>Parks-8</i>	n/a	20,000	30,000	50,000			100,000
Police Car Replacement	<i>PD-1</i>	6	50,000	50,000	50,000	50,000	51,000	251,000
Administrative Sergeant	<i>PD-11</i>	n/a	8,891	9,848	10,853	11,939	12,297	53,828
Police Secretary (Part-Time)	<i>PD-12</i>	n/a	21,320	21,840	22,360	22,880	23,400	111,800
External Consultant	<i>PD-13</i>	n/a	15,000					15,000
Automatic License Plate Recognition (ALPR)	<i>PD-14</i>	n/a	20,000	2,500	3,000	3,000	3,500	32,000
Staff Additions to Patrol	<i>PD-4</i>	4	111,137	123,100	135,666	149,233	153,710	672,846
Road Equipment Replacement	<i>PW-10</i>	6	65,000	75,000	80,000	80,000	85,000	385,000
Road Resurfacing and Reconstruction	<i>PW-11</i>	6	100,000	103,000	107,000	111,000	115,000	536,000
Traffic Signal Replacement	<i>PW-18</i>	4	28,000	30,000	32,000	34,000	36,000	160,000
Bernel Rd and Fox Hollow Rd Intersection Changes	<i>PW-19</i>	4	50,000					50,000
MS4 Stormwater Projects	<i>PW-20</i>	3	40,000	40,000	40,000	40,000	40,000	200,000
Toftrees Corridor Improvements	<i>PW-22</i>	3	80,440	268,250	325,750	55,000		729,440

Source	Project #	Priority	2020	2021	2022	2023	2024	Total
Solar Panels	PW-24	4		30,000				30,000
Sign Reflectivity Project	PW-3	1	3,000	3,000	3,000	3,000	3,000	15,000
Fire Station Retaining Wall	PW-30	4	4,800					4,800
Scotia Road Surface Improvement	PW-33	3	92,000	392,576				484,576
Stormwater Pipe Rehabilitation	PW-34	3	40,250	34,500	20,000	20,000	20,000	134,750
Douglas Drive Ditch Flooding Analysis	PW-36	4		75,000				75,000
Valley Vista Adaptive Signal Project	PW-41	n/a	67,000					67,000
General Fund Total			1,774,849	1,903,347	1,273,536	1,451,747	1,021,986	7,425,465
Grant								
Park Construction - Local	Parks-1	6		150,000	340,000		250,000	740,000
Bernel Road Park Phase 2A	Parks-2	4		900,000				900,000
Valley Vista Shared Use Path	Parks-5	n/a	1,041,212					1,041,212
Oakwood Shared Use Path	Parks-6	n/a			1,000,000			1,000,000
Circleville Bikeway Phase 2	Parks-8	n/a			50,000			50,000
Toftrees Corridor Improvements	PW-22	3		25,000	25,000			50,000
Solar Panels	PW-24	4	20,000					20,000
Valley Vista Adaptive Signal Project	PW-41	n/a	230,000					230,000
Grant Total			1,291,212	1,075,000	1,415,000		250,000	4,031,212
Interest								
Building Refurbishment Fund	Admin-1	4	100	100	100	100	100	500
Police Car Replacement	PD-1	6	100	100	50	100	100	450
Road Equipment Replacement	PW-10	6	100	100	100	100	100	500
Road Resurfacing and Reconstruction	PW-11	6	50	50	50	50	50	250
Interest Total			350	350	300	350	350	1,700
Liquid Fuels								
Road Equipment Replacement	PW-10	6	150,000	91,660	90,000	125,000	100,000	556,660
Road Resurfacing and Reconstruction	PW-11	6	300,000	300,000	300,000	300,000	300,000	1,500,000
Liquid Fuels Total			450,000	391,660	390,000	425,000	400,000	2,056,660
Sale of Used Equipment								
Road Equipment Replacement	PW-10	6	20,000	20,000	20,000	20,000	20,000	100,000
Sale of Used Equipment Total			20,000	20,000	20,000	20,000	20,000	100,000
Special Assessment								
Homestead Farms Roadway	PW-13	1	14,871	14,871	14,871	14,871	0	59,484
Special Assessment Total			14,871	14,871	14,871	14,871	0	59,484
GRAND TOTAL			3,911,005	3,766,883	3,480,631	2,284,396	2,070,351	15,513,266

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Administration
Contact Doug
Type Maintenance
Useful Life
Category Facilities
Priority 2 Beneficial
Status Active

Project # Admin-1
Project Name Building Refurbishment Fund

Total Project Cost: \$530,666

Description
 Plan for replacement/repair to major building systems and upkeep/appearance of Township facilities. Applies to Municipal Office and Shop in Patton Township. For additional information, please refer to the reserve fund in the 2014 Patton Township Budget detail.

Justification
 Addresses minor risk to residents and employees.
 Planned upkeep decreases operating budget. Payback in 3 years.
 Majority of Township benefits from well maintained facilities.

Prior	Expenditures	2020	2021	2022	2023	2024	Total
340,973	Other	35,305	52,051	34,869	33,359	34,109	189,693
Total	Total	35,305	52,051	34,869	33,359	34,109	189,693

Prior	Funding Sources	2020	2021	2022	2023	2024	Total
364,596	General Fund	41,500	43,000	44,500	46,000	47,500	222,500
	Interest	100	100	100	100	100	500
Total	Total	41,600	43,100	44,600	46,100	47,600	223,000

Budget Impact/Other
 Minimal Effect on Operational Budget because major expenditures have been planned for in advance and funded over time.

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Administration
Contact
Type Installation
Useful Life 10
Category Information Technology
Priority n/a
Status Active

Project # Admin-5
Project Name Township Website Update

Total Project Cost: \$55,048

Description
 Update Website
 Received quote from CivicPlus (8/16/17)
 Get a quote from Elexio

Justification
 Address a minor risk

Prior	Expenditures	2020	2021	2022	2023	2024	Total
5,756	Services	26,268	5,756	5,756	5,756	5,756	49,292
Total	Total	26,268	5,756	5,756	5,756	5,756	49,292

Prior	Funding Sources	2020	2021	2022	2023	2024	Total
5,756	General Fund	26,268	5,756	5,756	5,756	5,756	49,292
Total	Total	26,268	5,756	5,756	5,756	5,756	49,292

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Administration
Contact Doug
Type Other
Useful Life
Category Personnel
Priority 2 Beneficial
Status Active

Project # Admin-8
Project Name Communications Position (Part-Time)

Total Project Cost: \$166,100

Description
 Establish a part-time position for a communications specialist to manage outreach, website content, social media, etc. In addition, this position will coordinate events for the Board of Supervisors and Manager.

Justification

Expenditures	2020	2021	2022	2023	2024	Total
Equip/Vehicles/Furnishings	10,000					10,000
Services	30,000	30,600	31,200	31,800	32,500	156,100
Total	40,000	30,600	31,200	31,800	32,500	166,100

Funding Sources	2020	2021	2022	2023	2024	Total
General Fund	40,000	30,600	31,200	31,800	32,500	166,100
Total	40,000	30,600	31,200	31,800	32,500	166,100

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Administration

Contact Doug

Type Installation

Useful Life

Category Community

Priority 2 Beneficial

Status Active

Total Project Cost: \$250,000

Project # Admin-9
Project Name Broadband Expansion

Description

Phase 1 (2020) - Engage consultant(s) to create a "roadmap" to extend fiber optic, very high speed internet connectivity to neighborhoods in Township. Elements include physical infrastructure needs, funding scenerios and operational needs.

Phase 2 (2021) - Identify potential areas for deployment, select funding and operational models.

Phase 3 (2021-2023) - Implement funding and operational models, install infrastructure as indicated.

Justification

Prior	Expenditures	2020	2021	2022	2023	2024	Total
25,000	Other	25,000	25,000				50,000
Total	Services	25,000	25,000	25,000	25,000	25,000	125,000
	Contingency	25,000	25,000				50,000
	Total	75,000	75,000	25,000	25,000	25,000	225,000

Prior	Funding Sources	2020	2021	2022	2023	2024	Total
25,000	General Fund	75,000	75,000	25,000	25,000	25,000	225,000
Total	Total	75,000	75,000	25,000	25,000	25,000	225,000

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department COG
Contact CRPR
Type Construction
Useful Life 50
Category Regional Programs
Priority Obligated
Status Active

Project # COG-1
Project Name Park Forest Pool Renewal

Total Project Cost: \$602,116

Description
 \$3.2 million regional project to reconstruction and renew community pool facility. The project is being funded through a \$7.9 million drawdown bank loan that will also paid for the Welch Pool renewal completed in 2011. The debt is guaranteed by local municipalities. Patton Township has guaranteed 20.54% of the total debt. The percentage funding of debt service will reset in 2018 per the COG formula.

Justification
 Patton Township Board of Supervisors approved this project.

Prior	Expenditures	2020	2021	2022	2023	2024	Total
417,701	Debt Service Payments	36,883	36,883	36,883	36,883	36,883	184,415
Total	Total	36,883	36,883	36,883	36,883	36,883	184,415

Prior	Funding Sources	2020	2021	2022	2023	2024	Total
417,701	General Fund	36,883	36,883	36,883	36,883	36,883	184,415
Total	Total	36,883	36,883	36,883	36,883	36,883	184,415

Budget Impact/Other
 New amenities are provided to attract more users. Patton Township's municipal contribution to pool operations ihas decreased to zero.

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department COG
Contact CRPR
Type Construction
Useful Life 50
Category Regional Pools
Priority Obligated
Status Active

Project # COG-2
Project Name Welch Pool Renewal

Total Project Cost: \$993,657

Description

\$5.4 Million reconstruction and renewal of Welch Pool. Funding for this project is in conjunction with the Park Forest Pool. A \$7.9 million bank loan was secured for both projects.

Expenditures for this project are to cover the Township's 20.54% share of debt service through municipal contributions. The percentage funding of debt service will reset in 2018 per the COG formula.

Construction began August 2010 and the pool re-opened for the 2011 swimming season.

Justification

Patton Township Board of Supervisors approved this project and agreed to the guarantee of the loan which funds this and the Park Forest pool project.

Prior	Expenditures	2020	2021	2022	2023	2024	Total
679,647	Debt Service Payments	62,802	62,802	62,802	62,802	62,802	314,010
Total	Total	62,802	62,802	62,802	62,802	62,802	314,010

Prior	Funding Sources	2020	2021	2022	2023	2024	Total
679,647	General Fund	62,802	62,802	62,802	62,802	62,802	314,010
Total	Total	62,802	62,802	62,802	62,802	62,802	314,010

Budget Impact/Other

New amenities are provided to attract more users. Patton Township's municipal contribution to pool operations has decreased to zero.

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department COG
Contact CRPR
Type Construction
Useful Life 50
Category Regional Parks
Priority Approved/Funded
Status Active

Project # COG-3
Project Name Regional Parks

Total Project Cost: \$1,575,740

Description

This is a two part project consisting of Oak Hall park, a 68 acre regional park located in College Township and Whitehall Park, a 100 acre parcel located in Ferguson Township.

These parcels were purchased by COG and various municipal partners. Work on construction documents began in late 2011. Construction on Oak Hall began in 2013, and was finished in 2015. Construction on Whitehall Road Park is yet to be scheduled.

Justification

Approved by Centre Region Council of Governments General Forum

Prior	Expenditures	2020	2021	2022	2023	2024	Total
1,206,840	Debt Service Payments	73,780	73,780	73,780	73,780	73,780	368,900
Total	Total	73,780	73,780	73,780	73,780	73,780	368,900

Prior	Funding Sources	2020	2021	2022	2023	2024	Total
1,206,840	General Fund	73,780	73,780	73,780	73,780	73,780	368,900
Total	Total	73,780	73,780	73,780	73,780	73,780	368,900

Budget Impact/Other

Development of new parkland will increase maintenance costs incurred by CRPR.

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department COG
Contact Doug
Type Equipment
Useful Life 50
Category Regional Programs
Priority 1 Critical
Status Active

Project # COG-5
Project Name Fire Equipment and Capital

Total Project Cost: \$1,086,427

Description

Replacement of Alpha Fire Response trucks and major equipment.
 Fire equipment includes traffic control pre-emption; office renovation; major office equipment, and miscellaneous equipment and furniture.
 Assume a 4% increase year after base year.
 This is a COG program with costs shared amongst municipalities.

Justification

This program addresses major risks to residents.
 By funding the replacement of expensive equipment over time, it smoothes the effect on the operating budget.
 These contributions are needed to maintain the current level of service.

Prior	Expenditures	2020	2021	2022	2023	2024	Total
697,786	Equip/Vehicles/Furnishings	76,457	79,516	82,695	73,516	76,457	388,641
Total	Total	76,457	79,516	82,695	73,516	76,457	388,641

Prior	Funding Sources	2020	2021	2022	2023	2024	Total
697,786	General Fund	76,457	79,516	86,295	73,516	76,457	392,241
Total	Total	76,457	79,516	86,295	73,516	76,457	392,241

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department COG
Contact Doug
Type Equipment
Useful Life 20
Category Regional Programs
Priority 2 Beneficial
Status Active

Project # COG-6
Project Name CATA Capital

Total Project Cost: \$228,657

Description

Centre Area Transit Authority is the public transit system serving Patton Township. CATA is partially funded by Centre Region municipalities. Municipal contributions account for approximately 8% of CATA's budget. Local contributions are used to match or leverage, state and federal funding for fleet replacement/refurbishment and additions, as well as replacement/acquisition and expansion of support facilities required for a transit system.

Patton Township's contribution to CATA is offset, to some extent by a subsidy from the Colonnade shopping district which agreed to support bus service that served the area.

Assume a 5% increase over base year

Justification

Provides useful services to the community at large, and essential services to a portion of the community.

Prior	Expenditures	2020	2021	2022	2023	2024	Total
145,005	Equip/Vehicles/Furnishings	15,139	15,896	16,691	17,525	18,401	83,652
Total	Total	15,139	15,896	16,691	17,525	18,401	83,652

Prior	Funding Sources	2020	2021	2022	2023	2024	Total
145,005	General Fund	15,139	15,896	16,691	17,525	18,401	83,652
Total	Total	15,139	15,896	16,691	17,525	18,401	83,652

Budget Impact/Other

The capital portion of the CATA contribution accounts for approximately 13 to 15% of the overall annual contribution to CATA. Since this contribution is funded through the general fund and CATA does not provide the municipalities with a long-term forecast, the operating budget could be effected by any major fluctuations in future contributions.

This is an ongoing, longterm program.

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department COG
Contact Doug
Type Construction
Useful Life
Category Regional Programs
Priority COG Program
Status Active

Project # COG-8
Project Name Millbrook Marsh Nature Center

Total Project Cost: \$60,520

Description
 Repair to the Barn Roof. Restain the Barn and Spring Creek Education Building. Phase II of Education Building in 2020, 2021 and 2022

Justification
 To continue to enhance the Millbrook Marsh Nature Center.

Prior	Expenditures	2020	2021	2022	2023	2024	Total
16,520	Other	16,500	16,500	11,000			44,000
Total	Total	16,500	16,500	11,000			44,000

Prior	Funding Sources	2020	2021	2022	2023	2024	Total
16,520	General Fund	16,500	16,500	11,000			44,000
Total	Total	16,500	16,500	11,000			44,000

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Parks
Contact Susan Wheeler
Type Construction
Useful Life 50
Category Park Improvements
Priority Reserve Funds
Status Active

Project # Parks-1
Project Name Park Construction - Local

Total Project Cost: \$7,399,102

Description

The updated "Patton Township Parks Plan 2015-2024" was adopted in July 2015 by the Patton Township Board of Supervisors. It describes the plan for continued development of parkland and recreational resources in the Township. See Parks Plan and Reserve Fund in the Patton Township Budget Detail for additional information.

This funding is generated by the collection of a dedicated 7/10th of a mill of collected real estate tax. In 2010, after consideration by the Recreation Advisory Committee (RAC) and approval by the Board of Supervisors, the Township borrowed \$2.1 million to develop Phase I of Bernel Road Park. Most of the funding is being used towards debt service, to be paid off in 2021. Master Planning of Gray's Woods Park was completed in 2013 with Phase I planning occurring in 2016. Construction will occur in 2018 using Township funds and grant monies from the PA Department of Conservation and Natural Resources (DCNR).

Justification

As part of the annual budget adoption since 1989, the Board has designated funding for park development within the Township equivalent to 0.7 mills of Real Estate Tax revenue.

Prior	Expenditures	2020	2021	2022	2023	2024	Total
6,556,577	Gray's Woods Park			340,000		250,000	590,000
	Other		14,000				14,000
Total	Debt Service Payments	238,525					238,525
	Total	238,525	14,000	340,000		250,000	842,525

Prior	Funding Sources	2020	2021	2022	2023	2024	Total
7,109,861	Dedicated Real Estate Taxes	354,923	361,655	366,924	372,428	378,015	1,833,945
	Grant		150,000	340,000		250,000	740,000
Total	Total	354,923	511,655	706,924	372,428	628,015	2,573,945

Budget Impact/Other

Development of new parklands increases maintenance costs incurred by CRPR.

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Parks
Contact Susan Wheeler
Type Construction
Useful Life 50
Category Bernel Road Park
Priority 2 Beneficial
Status Active

Project # Parks-2
Project Name Bernel Road Park Phase 2A

Total Project Cost: \$1,498,633

Description
 The Master Plan for Bernel Road Park was first adopted in 2007 and Phase 1 was built in 2011. A revised Master Plan was adopted by the Patton Township Board of Supervisors in February 2017. Engineering design for Phase 2A of the newly adopted Master Plan began in 2018 and will be completed in spring of 2019. It is anticipated that grant applications will be submitted in 2019 in anticipation of construction beginning in 2021.

Justification
 Beginning of Phase 2 per Master Plan

Prior	Expenditures	2020	2021	2022	2023	2024	Total
0	Construction/Maintenance	0	900,000	0	498,633	100,000	1,498,633
Total	Total	0	900,000	0	498,633	100,000	1,498,633

Prior	Funding Sources	2020	2021	2022	2023	2024	Total
0	General Fund	0			498,633	100,000	598,633
	Grant		900,000				900,000
Total	Total	0	900,000		498,633	100,000	1,498,633

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Parks
Contact Susan Wheeler
Type Construction
Useful Life
Category Park Improvements
Priority n/a
Status Active

Project # Parks-4
Project Name Minor Shared Use Connectors

Total Project Cost: \$80,000

Description
 Companion project to Valley Vista Drive Shared Use Path to provide connections at Douglas Drive and Sandy Ridge Road to Park Forest. Both will require acquisition of easements over private property. The need for pedestrian crossing equipment (flashers, etc.) will also be evaluated. Grant funding will be explored. This project has been delayed one year from prior CIP.

Justification

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance		80,000				80,000
Total		80,000				80,000

Funding Sources	2020	2021	2022	2023	2024	Total
General Fund		80,000				80,000
Total		80,000				80,000

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Parks
Contact Susan Wheeler
Type Construction
Useful Life
Category Park Improvements
Priority n/a
Status Active

Project # Parks-5
Project Name Valley Vista Shared Use Path

Total Project Cost: \$1,504,894

Description

Justification

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance	1,504,894					1,504,894
Total	1,504,894					1,504,894

Funding Sources	2020	2021	2022	2023	2024	Total
General Fund	463,682					463,682
Grant	1,041,212					1,041,212
Total	1,504,894					1,504,894

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Parks
Contact
Type Installation
Useful Life
Category Unassigned
Priority n/a
Status Active

Project # Parks-6
Project Name Oakwood Shared Use Path

Total Project Cost: \$1,095,000

Description
 From Oakwood Avenue to the BCRR Rail Trail

Justification

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance			1,000,000			1,000,000
Planning/Design		95,000				95,000
Total		95,000	1,000,000			1,095,000

Funding Sources	2020	2021	2022	2023	2024	Total
General Fund		95,000				95,000
Grant			1,000,000			1,000,000
Total		95,000	1,000,000			1,095,000

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Parks
Contact Susan Wheeler
Type Construction
Useful Life
Category Park Improvements
Priority n/a
Status Active

Project # Parks-7
Project Name Township Bicycle Route System

Total Project Cost: \$30,000

Description
 Minor improvements to local streets including signage and pavement markings/paint

Justification

Expenditures	2020	2021	2022	2023	2024	Total
Equip/Vehicles/Furnishings	30,000					30,000
Total	30,000					30,000

Funding Sources	2020	2021	2022	2023	2024	Total
General Fund	30,000					30,000
Total	30,000					30,000

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Parks
Contact Susan Wheeler
Type Construction
Useful Life 50
Category Park Improvements
Priority n/a
Status Active

Project # Parks-8
Project Name Circleville Bikeway Phase 2

Total Project Cost: \$150,000

Description
 Alternative Analysis (2020) to extend shared-use path from current end to Gray's Woods Boulevard.
 2021 - Right of way acquisition, final engineering and grant application
 2022 - Construction

Justification

Expenditures	2020	2021	2022	2023	2024	Total
Land Acquisition		20,000				20,000
Construction/Maintenance			50,000			50,000
Planning/Design	20,000	10,000	50,000			80,000
Total	20,000	30,000	100,000			150,000

Funding Sources	2020	2021	2022	2023	2024	Total
General Fund	20,000	30,000	50,000			100,000
Grant			50,000			50,000
Total	20,000	30,000	100,000			150,000

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Police
Contact Kim
Type Acquisition
Useful Life varies
Category Vehicles
Priority Reserve Funds
Status Active

Project # PD-1
Project Name Police Car Replacement

Total Project Cost: \$727,749

Description
 The purpose of this fund is to systematically fund the replacement and expansion of the police vehicle fleet. The fleet currently consists of 6 police cruisers, 3 detective cars (one vehicle is being loaned to the department by the District Attorney's Office), 2 SUV's (one for training and extra use of 4x4 in event of a bad storm), 1 Chief's car and a staff car used for training and travel. See the Police Car Replacement Reserve Fund in the Patton Township Budget Detail for additional information.

Justification
 Maintains a level of service to businesses and residents.

Prior	Expenditures	2020	2021	2022	2023	2024	Total
457,282	Equip/Vehicles/Furnishings	73,948	38,083	39,226	40,400	78,810	270,467
Total	Total	73,948	38,083	39,226	40,400	78,810	270,467

Prior	Funding Sources	2020	2021	2022	2023	2024	Total
517,632	General Fund	50,000	50,000	50,000	50,000	51,000	251,000
	Interest	100	100	50	100	100	450
Total	Total	50,100	50,100	50,050	50,100	51,100	251,450

Budget Impact/Other
 Increased fleet size will increase maintenance, insurance, and fuel costs. Planned replacements help reduce overall vehicle maintenance costs.

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Police
Contact
Type Installation
Useful Life
Category Unassigned
Priority n/a
Status Active

Project # PD-11
Project Name Administrative Sergeant

Total Project Cost: \$53,828

Description
 The addition of an Administrative Sergeant position would ensure that the department continues to operate with the most contemporary policies and procedures. This becomes vital when the department is involved in a major incident. The Administrative Sergeant would also be responsible for training and training records emphasising current needs of the department and trends in policing.

Justification

Expenditures	2020	2021	2022	2023	2024	Total
Other	8,891	9,848	10,853	11,939	12,297	53,828
Total	8,891	9,848	10,853	11,939	12,297	53,828

Funding Sources	2020	2021	2022	2023	2024	Total
General Fund	8,891	9,848	10,853	11,939	12,297	53,828
Total	8,891	9,848	10,853	11,939	12,297	53,828

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Police
Contact
Type Installation
Useful Life
Category Unassigned
Priority n/a
Status Active

Project # PD-12
Project Name Police Secretary (Part-Time)

Total Project Cost: \$111,800

Description
 The troubled implementation of the new police Records Management System (RMS) in 2019 caused normal day to day operations in police records to back up. Much of one Police Secretaries time has been trouble shooting RMS issues in an attempt to enable the system to work properly for our agency and consortium. Issues with the RMS have caused things like expungements and Uniform Crime Reporting to fall behind. The addition of a part-time police secretary will help to catch our records section up. The part-time police secretary will also learn the daily tasks of both secretaries to start an attrition plan as retirements are likely on the horizon for both Police Records Staff.

Justification

Expenditures	2020	2021	2022	2023	2024	Total
Other	21,320	21,840	22,360	22,880	23,400	111,800
Total	21,320	21,840	22,360	22,880	23,400	111,800

Funding Sources	2020	2021	2022	2023	2024	Total
General Fund	21,320	21,840	22,360	22,880	23,400	111,800
Total	21,320	21,840	22,360	22,880	23,400	111,800

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Police
Contact
Type Installation
Useful Life
Category Unassigned
Priority n/a
Status Active

Project # PD-13
Project Name External Consultant

Total Project Cost: \$15,000

Description

To ensure that the Patton Township Police Department is providing the best possible public safety services to the residents of Patton Township, the policies and procedures of the department should be reviewed by an independent source. This project would set aside money to hire an external consultant to review the policies and procedures and make recommendations to strengthen these guidelines for the department. Contemporizing the policies and procedures will limit or eliminate liability the department and its officers could face in the future. An external review should be conducted at least every 10 years.

Justification

Expenditures	2020	2021	2022	2023	2024	Total
Services	15,000					15,000
Total	15,000					15,000

Funding Sources	2020	2021	2022	2023	2024	Total
General Fund	15,000					15,000
Total	15,000					15,000

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Police
Contact
Type Installation
Useful Life
Category Unassigned
Priority n/a
Status Active

Project # PD-14
Project Name Automatic License Plate Recognition (ALPR)

Total Project Cost: \$32,000

Description

Automatic License Plate Recognition (ALPR)

ALPR systems generally consist of a high speed camera with an infrared (“IR”) filter or two cameras—one high resolution digital camera and one IR camera—to capture images of license plates; a processor and application capable of performing sophisticated optical character recognition (OCR) to transform the image of the plate into alphanumeric characters; application software to compare the transformed license plate characters to databases of license plates of interest to law enforcement; and a user interface to display the images captured, the results of the OCR transformation, and an alert capability to notify operators when a plate matching an agency’s “hot list” is observed.

Examples of lawful purposes to access an ALPR system may include:

- Locate stolen, wanted, or suspect vehicles
- Locate suspect(s) of criminal investigation or arrest warrants
- Locate witnesses or victims of violent crime
- Locate missing children, elderly persons, or other missing persons (Amber/Silver Alerts)
- Protect the public during special events/situational awareness

Justification

Expenditures	2020	2021	2022	2023	2024	Total
Equip/Vehicles/Furnishings	20,000					20,000
Other		2,500	3,000	3,000	3,500	12,000
Total	20,000	2,500	3,000	3,000	3,500	32,000

Funding Sources	2020	2021	2022	2023	2024	Total
General Fund	20,000	2,500	3,000	3,000	3,500	32,000
Total	20,000	2,500	3,000	3,000	3,500	32,000

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Police
Contact Tyler
Type Other
Useful Life
Category Personnel
Priority 2 Beneficial
Status Active

Project # PD-4
Project Name Staff Additions to Patrol

Total Project Cost: \$672,846

Description
 One staff addition to patrol is proposed for 2020. In January 2018, the State College Area School District added a part time School Resource Officer (SRO) position for the Park Forest Middle School staffed by a Patton Township Police Department Officer. The School District pays half of this officer's full time salary. This outside funding continues to offset a portion of the General Fund Costs for this position. The SRO works in the school for at least 4 hours per day and the other half of their day is devoted to general patrol. The staff addition to patrol would help offset scheduling issues related to and working around the SRO position.

Justification
 With the addition of the SRO position, the staffing level for patrol has been affected. We have generally been able to account for any staffing issues by making slight adjustments to the patrol schedule.
 With violence increasing in schools across the nation, many new grants and funding opportunities are becoming available. The Police Department believes that our SRO position will eventually become a full time position and as a result an additional patrol officer would be necessary to fulfill our staffing level. Significant residential and commercial growth has also occurred over the years, with minimal increase in staffing. The continuing development and economic growth within Patton Township increases the demand on our police department. The staff addition to patrol would help alleviate staffing issues relating to call volume, vacation time, sick time, training, etc.

Expenditures	2020	2021	2022	2023	2024	Total
Services	111,137	123,100	135,666	149,233	153,710	672,846
Total	111,137	123,100	135,666	149,233	153,710	672,846

Funding Sources	2020	2021	2022	2023	2024	Total
General Fund	111,137	123,100	135,666	149,233	153,710	672,846
Total	111,137	123,100	135,666	149,233	153,710	672,846

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Police
Contact Tyler
Type Acquisition
Useful Life varies
Category Information Technology
Priority 1 Critical
Status Active

Project # PD-5
Project Name Police Records Management System Change

Total Project Cost: \$145,000

Description
 The vendor of the existing records management system which is shared regionally will no longer provide a service agreement after mid-2017. Therefore, a consortium of local law enforcement agencies have been researching records management options related to a new system. It is anticipated that the new system will "go live" in 2019.

Justification
 The records management/mobile data system integrates the Centre County 911 dispatch center and mobile computer terminals thereby allowing officers to efficiently complete incident reporting in the field.

Prior

145,000

Total

Prior

145,000

Total

Budget Impact/Other

Prior	Budget Items	2020	2021	2022	2023	2024	Total
15,100	Maintenance	15,100	15,100	15,100			45,300
Total	Total	15,100	15,100	15,100			45,300

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Public Works
Contact Steve
Type Equipment
Useful Life
Category Vehicles
Priority Reserve Funds
Status Active

Project # PW-10
Project Name Road Equipment Replacement

Total Project Cost: \$2,047,837

Description

This is a reserve fund that aids in the smoothing of road equipment expenditures over time. It accounts for acquisition and replacement of all public works road equipment.

See Reserve Fund in Patton Township Budget Detail for additional information.

Justification

Maintains a level of service to residents and businesses.

Prior	Expenditures	2020	2021	2022	2023	2024	Total
1,516,428	Equip/Vehicles/Furnishings	244,187	190,365	96,857			531,409
Total	Total	244,187	190,365	96,857			531,409

Prior	Funding Sources	2020	2021	2022	2023	2024	Total
1,677,347	General Fund	65,000	75,000	80,000	80,000	85,000	385,000
Total	Interest	100	100	100	100	100	500
	Liquid Fuels	150,000	91,660	90,000	125,000	100,000	556,660
	Sale of Used Equipment	20,000	20,000	20,000	20,000	20,000	100,000
	Total	235,100	186,760	190,100	225,100	205,100	1,042,160

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Public Works
Contact Brent
Type Construction
Useful Life
Category Road Construction
Priority Reserve Funds
Status Active

Project # PW-11
Project Name Road Resurfacing and Reconstruction

Total Project Cost: \$4,062,630

Description

To fund annual overlay and road reconstruction program.

Semi-annual road inspections are conducted in the spring and the fall of each year to determine the condition of all road within the municipality. These inspections are used as a basis for determining which roads will qualify for resurfacing in the next budget year.

See Reserve Fund in Patton Township Budget Detail for additional information.

Justification

To provide for adequate public safety, the Township endeavors to maintain its road at a good to excellent condition with a 20 year life expectancy.

Prior	Expenditures	2020	2021	2022	2023	2024	Total
2,348,630	Road Overlay	340,000	400,000	400,000	400,000	40,000	1,580,000
	Road Crew Materials	28,000	28,000	28,000	30,000	20,000	134,000
Total	Total	368,000	428,000	428,000	430,000	60,000	1,714,000

Prior	Funding Sources	2020	2021	2022	2023	2024	Total
2,368,876	General Fund	100,000	103,000	107,000	111,000	115,000	536,000
	Interest	50	50	50	50	50	250
Total	Total	400,050	403,050	407,050	411,050	415,050	2,036,250

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Public Works

Contact Steve

Type Improvement

Useful Life 25

Category Road Construction

Priority Obligated

Status Active

Total Project Cost: \$212,032

Project # PW-13
Project Name Homestead Farms Roadway

Description

Patton Township and the Homestead Farms Homeowners Association have come to an agreement concerning the Township assuminig ownership of all private roadways within their subdivision. The roads are East Shadow Lane, Sandy Ridge Road, and Crandall Drive. Total length of the roadways are approximately one mile in length. In exchange for the ownership assumption, each property will be assessed an amount each year to the cover the necessary improvements, to be completed by Patton Township, to bring the roadways into compliance with Township standards. For further information, please refer to the agreement between Patton Township and the Homestead Farms HOA. The assessment runs from 2012 to 2023.

Justification

See Ordinances 2011-537 and 2011-538.

Prior	Expenditures	2020	2021	2022	2023	2024	Total
157,200	Construction/Maintenance	25,132	29,700	0	0	0	54,832
Total	Total	25,132	29,700	0	0	0	54,832

Prior	Funding Sources	2020	2021	2022	2023	2024	Total
153,851	Special Assessment	14,871	14,871	14,871	14,871	0	59,484
Total	Total	14,871	14,871	14,871	14,871	0	59,484

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Public Works
Contact Steve
Type Installation
Useful Life 20
Category Traffic Signals
Priority 2 Beneficial
Status Active

Project # PW-18
Project Name Traffic Signal Replacement

Total Project Cost: \$206,040

Description
 Project includes funding to replace traffic signal control cabinets to avoid corrosion failure and to maintain up-to-date controller technology. Also, includes the replacement of out-dated pedestrian signal heads when required.

Justification
 Addresses a minor risk. Maintains current level of service to residents and businesses.

Prior	Expenditures	2020	2021	2022	2023	2024	Total
32,212	Equip/Vehicles/Furnishings	67,554	34,588	35,418	36,268	0	173,828
Total	Total	67,554	34,588	35,418	36,268	0	173,828

Prior	Funding Sources	2020	2021	2022	2023	2024	Total
92,000	General Fund	28,000	30,000	32,000	34,000	36,000	160,000
Total	Total	28,000	30,000	32,000	34,000	36,000	160,000

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Public Works
Contact Doug
Type Construction
Useful Life
Category Road Construction
Priority 2 Beneficial
Status Active

Project # PW-19
Project Name Bernel Rd and Fox Hollow Rd Intersection Changes

Total Project Cost: \$150,000

Description

This intersection has long been identified as a candidate for re-configuration to a standard "T" layout. New development is occurring in the vicinity and it is likely to trip a warrant for these improvements. It is anticipated that it will require multiple funding partners to finance the project including the developers, the Township, PennDOT and possibly PSU (unfortunately, the Airport and Airport Authority are prohibited from spending funds off of the airport property).

At this time, we are waiting for an estimate of costs from the developer. The funds shown below only represent the Township's current commitment to the project.

Justification

Addresses a safety risk. Encourages development of vacant/under-utilized property.

Prior	Expenditures	2020	2021	2022	2023	2024	Total
100,000	Construction/Maintenance	50,000					50,000
Total	Total	50,000					50,000

Prior	Funding Sources	2020	2021	2022	2023	2024	Total
100,000	General Fund	50,000					50,000
Total	Total	50,000					50,000

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Public Works

Contact Steve

Type Installation

Useful Life 20

Category Traffic Signals

Priority 2 Beneficial

Status Active

Total Project Cost: \$100,000

Project # PW-2
Project Name Traffic Signal Battery Back-up and Improvements

Description

This project proposes to provide battery backup at many traffic signal locations within the Township to avoid signal interruption during electrical outages. This program will begin with traffic signals that experience the most vehicular traffic. In 2011, the intersection of Vairo Boulevard and Norht Atherton Street is proposed. In the past this intersection has experienced electrical outages that have lasted a couple of hours. Although the intersection can be controlled by Township Police staff and temporary traffic signs, manpower is usually required elsewhere. The intersections proposed are as follows:

Vairo Boulevard and North Atherton Street, Valley Vista Drive and North Atherton Street, Vairo Boulevard and Waddle Road, Colonnade Boulevard and Waddle Road, Colonnade Boulevard and North Ahterton Street, and North Atherton Street and Colonnade Way. Following completion of these intersections, PW will evaluate the need to similarly equip other intersections or to provide newer signal control technologies within the corridor.

Justification

Reduces immediate risk to residents.
 Increase to OB < 0.5%.
 50 to 100% of Township population could benefit.
 Improves both quantity and quality of existing service.
 Not high frequency of usage

Prior	Expenditures	2020	2021	2022	2023	2024	Total
50,012	Equip/Vehicles/Furnishings	49,988					49,988
Total	Total	49,988					49,988

Prior	Funding Sources	2020	2021	2022	2023	2024	Total
100,000	Developer Contribution		0				0
Total	Total		0				0

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Public Works
Contact Steve
Type Installation
Useful Life 50
Category Regional Programs
Priority 1 Critical
Status Active

Project # PW-20
Project Name MS4 Stormwater Projects

Total Project Cost: \$225,000

Description

The next permit round, starting in 2018, for our Municipal Separate Storm Sewer System (MS4) will require the installation of storm water best management practices (BMPs) to reduce by 10\$ the amount of sediment being transported to local streams. The state is still developing oversight criteria and goals for the program. Expenditures noted below are very preliminary estimates. The expenditures below only reflect our local funding estimated at 20% ti 25% if the total for the MS4 Partnership.

2019 expenditures include regionally engaging a consultant to model pollutant loading in the sewersheds, develop pollution reduction plans (PRPs) and recommend BMPs to be installed to implement the PRP. Expenses beyond 2019 include the construction of the recommended BMPs. At this time, it is not known if any state grant funding will be available for this program.

Justification

Mandated program (Clean Water Act).

Prior	Expenditures	2020	2021	2022	2023	2024	Total
25,000	Land Acquisition	4,000	4,000	4,000	4,000	4,000	20,000
Total	Construction/Maintenance	30,000	30,000	30,000	30,000	30,000	150,000
	Planning/Design	6,000	6,000	6,000	6,000	6,000	30,000
	Total	40,000	40,000	40,000	40,000	40,000	200,000

Prior	Funding Sources	2020	2021	2022	2023	2024	Total
25,000	General Fund	40,000	40,000	40,000	40,000	40,000	200,000
Total	Total	40,000	40,000	40,000	40,000	40,000	200,000

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Public Works

Contact Glenn

Type Construction

Useful Life 50

Category Stormwater/Drainage

Priority 1 Critical

Status Active

Total Project Cost: \$779,440

Project # PW-22
Project Name Toftrees Corridor Improvements

Description

On 9/11/19, the Board voted to engage Navarro & Wright Consulting Engineers Inc. to complete the following tasks for the Toftrees Corridor Improvements Project: plans and survey, traffic data collection and analysis, geotechnical evaluations, feasibility analysis, meetings, preliminary engineering for phase 1, and grant assistance. Any construction dollars at this time are estimates as placeholders for when we have better information available. The Township owns 50' of ROW throughout the corridor so significant ROW takes may be necessary (unknown at this point).

Justification

Addresses a minor safety risk.

Expenditures	2020	2021	2022	2023	2024	Total
Land Acquisition		100,000				100,000
Construction/Maintenance		150,000	300,000	50,000		500,000
Planning/Design	69,948	5,000	5,000	5,000		84,948
Contingency	10,492	38,250	45,750			94,492
Total	80,440	293,250	350,750	55,000		779,440

Funding Sources	2020	2021	2022	2023	2024	Total
General Fund	80,440	268,250	325,750	55,000		729,440
Grant		25,000	25,000			50,000
Total	80,440	293,250	350,750	55,000		779,440

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Public Works
Contact Doug
Type Installation
Useful Life 25
Category Equipment: Public Works
Priority 2 Beneficial
Status Active

Project # PW-24
Project Name Solar Panels

Total Project Cost: \$50,000

Description
 Install Solar Panels on the Public Works Building

Justification
 Decreases operating budget. Decreases GHG emmissions.

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance		50,000				50,000
Total		50,000				50,000

Funding Sources	2020	2021	2022	2023	2024	Total
General Fund		30,000				30,000
Grant	20,000					20,000
Total	20,000	30,000				50,000

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Public Works
Contact Steve
Type Construction
Useful Life 50
Category Road Maintenance
Priority Obligated
Status Active

Project # PW-3
Project Name Sign Reflectivity Project

Total Project Cost: \$41,662

Description
 The Public Works Department proposes to undergo a project to identify roadway signs that have lost their reflectivity and replace them as necessary. Currently the PWD replaces signs (if needed) when a section of roadway is overlaid. This project would consist of surveying the entire Township to map and collect (GIS) all roadway signs and identify which ones do not meet the reflectivity standards. It is proposed that an expenditure of \$3,000 per year be budgeted for sign replacement.

Justification
 Federal Law (MUTCD) requires a continuing program of sign inspection and replacement.

Prior	Expenditures	2020	2021	2022	2023	2024	Total
26,662	Construction/Maintenance	3,000	3,000	3,000	3,000	3,000	15,000
Total	Total	3,000	3,000	3,000	3,000	3,000	15,000

Prior	Funding Sources	2020	2021	2022	2023	2024	Total
26,662	General Fund	3,000	3,000	3,000	3,000	3,000	15,000
Total	Total	3,000	3,000	3,000	3,000	3,000	15,000

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Public Works
Contact Steve
Type Construction
Useful Life 25
Category Facilities
Priority 2 Beneficial
Status Active

Project # PW-30
Project Name Fire Station Retaining Wall

Total Project Cost: \$9,600

Description
 During the October 2016 storms, some of the bank between Ameron and Patton Township property occupied by the Alpha Fire Station and Clearwater Conservancy was eroded into the parking lot. Currently there is a retaining wall along the western edge of this property line extending approximately 1/2 way. The project would install a retaining block wall approximately 4 feet high to stabilize this slope. The property line appears to be located in the middle of the existing retaining wall thus requiring approval and cooperation from Ameron.

Justification
 This addresses a minor risk

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance	6,848					6,848
Planning/Design	1,500					1,500
Contingency	1,252					1,252
Total	9,600					9,600

Funding Sources	2020	2021	2022	2023	2024	Total
Fund Balance	4,800					4,800
General Fund	4,800					4,800
Total	9,600					9,600

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Public Works
Contact Steve
Type Construction
Useful Life 20
Category Road Maintenance
Priority 1 Critical
Status Active

Project # PW-33
Project Name Scotia Road Surface Improvement

Total Project Cost: \$513,326

Description
 The pavement and subbase and subgrade of Scotia Road is in need of repair to keep it functional for years to come. This project will look at improvements that can be made to the subsurface such as subsurface drainage, subsurface replacement/repair, cold-in-place recycling or full depth reclamation to provide a stable base for the wearing surface. After the base/subbase is repaired, a new asphalt wearing surface will be installed.

Justification
 Addresses a minor risk

Prior	Expenditures	2020	2021	2022	2023	2024	Total
28,750	Construction/Maintenance	30,000	306,370				336,370
Total	Planning/Design	50,000	10,000				60,000
	Services		25,000				25,000
	Contingency	12,000	51,206				63,206
	Total	92,000	392,576				484,576

Prior	Funding Sources	2020	2021	2022	2023	2024	Total
28,750	General Fund	92,000	392,576				484,576
Total	Total	92,000	392,576				484,576

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Public Works

Contact Steve

Type Improvement

Useful Life 50

Category Stormwater/Drainage

Priority 1 Critical

Status Active

Total Project Cost: \$134,750

Project # PW-34
Project Name Stormwater Pipe Rehabilitation

Description

Many of the stormwater pipes in the Township are corrugated metal pipes that have varying levels of corrosion. This project includes inspection and potential replacement or rehabilitation of these pipes. - Eventually all stormwater pipes in the Township will be surveyed and ranked based on the assessed condition of the pipe. Periodically these pipes will be inspected based on condition, worst to best and rehabilitation actions taken if necessary. This will be revised as pipe inspection is performed. This project has been delayed one year from prior CIP.

Justification

Addresses a major risk.

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance		30,000	20,000	20,000	20,000	90,000
Planning/Design	10,000					10,000
Services	25,000					25,000
Contingency	5,250	4,500				9,750
Total	40,250	34,500	20,000	20,000	20,000	134,750

Funding Sources	2020	2021	2022	2023	2024	Total
General Fund	40,250	34,500	20,000	20,000	20,000	134,750
Total	40,250	34,500	20,000	20,000	20,000	134,750

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Public Works
Contact Steve
Type Improvement
Useful Life
Category Stormwater/Drainage
Priority 2 Beneficial
Status Active

Project # PW-36
Project Name Douglas Drive Ditch Flooding Analysis

Total Project Cost: \$75,000

Description
 Analyze the watershed that contributes to the unnamed tributary (UNT) to Big Hollow and determine the flood risk to homes on the 500 block of W. Hillside Avenue. Make recommendations for mitigation measures.

Justification
 Addresses a minor risk

Expenditures	2020	2021	2022	2023	2024	Total
Planning/Design		75,000				75,000
Total		75,000				75,000

Funding Sources	2020	2021	2022	2023	2024	Total
General Fund		75,000				75,000
Total		75,000				75,000

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2020 *thru* 2024

Department Public Works
Contact Steve
Type Installation
Useful Life
Category Traffic Signals
Priority n/a
Status Active

Project # PW-41
Project Name Valley Vista Adaptive Signal Project

Total Project Cost: \$297,000

Description
 Install adaptive controls at the signals on the Valley Vista Corridor to improve transit time through the corridor.

Justification

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance	265,000					265,000
Planning/Design	5,000					5,000
Contingency	27,000					27,000
Total	297,000					297,000

Funding Sources	2020	2021	2022	2023	2024	Total
General Fund	67,000					67,000
Grant	230,000					230,000
Total	297,000					297,000

Budget Impact/Other

PATTON TOWNSHIP

CAPITAL IMPROVEMENTS PLAN

FORECASTED EXPENDITURES-

2020-2024

REGIONAL AND LOCAL

Current Projects

	2017	2018	projections 2019	2020	2021	2022	2023	2024
Operating Expenditures								
Personnel Costs -Local Salaries and benefits	4,555,011	4,056,136	4,187,961	4,324,070	4,464,602	4,609,702	4,759,517	4,914,201
Local Operating Costs	1,132,387	1,232,073	1,238,178	1,244,283	1,250,388	1,256,493	1,262,598	1,268,703
Regional Operating Costs	1,125,561	1,147,563	1,161,908	1,176,432	1,191,137	1,206,026	1,221,101	1,236,365
Capital Allocations	6,812,959	6,435,772	6,588,047	6,744,785	6,906,127	7,072,221	7,243,216	7,419,269
Local								
409743 Allocation to Building reserve	0	38,500	40,000	41,500	43,000	44,500	44,500	44,500
410740 Police Vehicle Reserve	0	30,633	49,000	50,000	51,000	52,000	52,000	52,000
417741 Crime System Software (new)	67,362	8,575	0	0	0	0	0	0
Tactical Ballistic Shields	7,828	0	0	0	0	0	0	0
430741 PW Equipment	0	55,000	60,000	65,000	75,000	75,000	75,000	75,000
430750 Emergency Assistance	0	15,903	0	0	0	0	0	0
439430 Allocation to Traffic Mitigation	0	6,615	0	0	0	0	0	0
439599 Homestead Farms	0	28,584	14,871	14,871	14,871	14,871	14,871	0
439610 Road Resurfacing	0	66,656	75,000	75,000	75,000	75,000	75,000	75,000
439612 Public Works Building Improvement	0	0	0	0	0	0	0	0
439617 Douglas Ditch	3,191	48,750	0	0	0	0	0	0
Traffic Signal Replacement	24,000	26,000	28,000	30,000	32,000	32,000	32,000	32,000
439619 Sign Reflectivity Project	1,917	3,000	3,000	3,000	3,000	3,000	3,000	3,000
439621 Waddle Road Interchange GF transfer	0	0	0	0	0	0	0	0
454610 PT Parks Dedicated Millage	321,220	302,777	315,645	329,059	343,045	357,624	372,823	388,668
L430740 LFT Equipment Replacement	30,000	154,391	150,000	90,000	100,000	25,000	125,000	90,000
County LFT Expenditures	0	0	0	0	0	0	0	0
L439610 LFT Road Resurfacing	185,000	203,175	230,000	235,000	240,000	245,000	250,000	255,000
Mobile Digital Video Recording	0	0	0	0	0	0	0	0
Radio Replacement (Police and PW)	0	0	0	0	0	0	0	0
	640,519	988,559	965,516	933,430	976,916	923,995	1,044,194	1,015,168
Regional								
454530 P&R Pools Capital	98,359	133,682	98,359	98,359	98,359	98,359	98,359	98,359
454532 Regional Parks	125,000	308,996	160,000	160,000	160,000	160,000	160,000	160,000
P&R Capital	42,910	98,425	103,346	108,514	113,939	33,997	33,997	33,997
454.532 Regional Parks Maintenance Facility	0	0	0	0	0	0	0	0
454617 S&A Field Contribution	0	0	0	0	0	0	0	0
447531 CATA Capital	18,329	19,892	20,207	21,218	21,218	14,504	14,504	14,504
COG Fire Capital	69,294	85,780	73,516	76,457	79,519	82,695	73,516	73,516
COG Building Capital	0	6,705	7,202	7,562	7,940	8,337	8,754	9,192
	370,544	653,480	462,630	472,110	480,975	397,892	389,130	389,568
Minor Capital								
All Local								
409740 Building Capital Items	16,777	5,751						
409742 landscaping	851	6,067						
401740 Capital Admin	15,982	12,927						
403740/402740 Tax Capital	0	0						
410740 Police	3,407	30,633						
413740 Community Relations	0	0						
417740 Police Records	0	0						
430740 PW Mach and Equip	11,774	28,250						
439 all other	18,024	27,129						
414740 Planning and Zoning	0	0						
	66,814	110,756	110,959	111,162	111,365	111,568	111,771	111,974
Debt OS Debt paid off in 2014; Interchange debt but n	8,245,962	789,633	1,107,194	1,056,220	824,069	820,139	816,061	821,480
Total Budgeted/Actual Expenditures *	16,136,798	8,978,200	9,234,346	9,317,707	9,299,452	9,325,815	9,604,372	9,757,459
	81.84%	-44.36%	2.85%	0.90%	-0.20%	0.28%	2.99%	1.59%