



**CAPITAL IMPROVEMENT PLAN
2019-2023**

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 2019 through 2023.

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 2018-2022 Capital Improvement Plan (CIP) was adopted by the Board of Supervisors, with the 2018 elements incorporated into the Township's 2018 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 2018-2022 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 2018 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, 2018.

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 2019 – 2023 Capital Improvement Plan (CIP), and
- Forecast of Real Estate Tax Rates to support the 2019 – 2023 CIP

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

Proposed projects for 2019 – 2023 Capital Improvement Plan

A brief description follows for each project recommended for inclusion in the 2019 – 2023 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: Deputy Manager Position (Admin-7): Establish position of Deputy Manager for Township to be staffed on a rotating basis by Department Heads (Admin, PW & Police). Includes commensurate adjustment upward of salaries. Initially Manager will work with each Deputy on basic duties and identify areas for each individual to develop new skills. While not exactly a secession plan, provides a means to transfer knowledge and skills to others.

New: Part-Time Communications Position (Admin-8): 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.

New: Broadband Expansion (Admin-9): Phase 1 (2019) Engage consultant(s) to create a "roadmap" to extend fiber optic, very high speed internet connectivity to neighborhoods in the Township. Deliverables include defining infrastructure needs, funding scenarios and operational models. Phase 2 – Identify potential areas for deployment, select funding and operational model. Phase 3 – Implementation.

Capital Improvements Plan Manager's Recommendation

New: Part-Time Ordinance Officer (PD-10): The Ordinance Officer would fairly and accurately enforce the ordinances of Patton Township as they relate to parking, non-parking and animal. Enforcement includes watching for violations, monitoring locations found in violation and responding to complaints of ordinance violations from citizens. The Ordinance Officer would be responsible for issuing verbal and written violation warnings and notices, filing citations or other legal processes and testifying in court. They would be responsible for assisting the Township Zoning Administrator by monitoring all permanent and temporary signs within the Township and monitoring construction sites and other locations for compliance to regulations and permits. This position would also be responsible to address sidewalk repair issues. The Ordinance Officer would assist the public by facilitating resolutions to parking, snow removal, weed and grass problems and addressing concerns with residents and developers.

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.

New: Open Space All-Terrain Vehicle (PW-40): Purchase an all-terrain vehicle for use on Open Space parcels. To be funded from Open Space revenues.

Township Website Upgrade (Admin-5): Upgrade Township Website to provide a more user-friendly environment for the residents. This project has been delayed one year from prior CIP.

Circleville/Scotia Sight Distance Investigation (PW-37): The sight distance is inadequate at the intersection of Circleville Road and Scotia Road for traffic stopped at the stop sign on Circleville Road. This project will mitigate that problem..

A consultant has been selected to begin the Alternatives Analysis for the intersection. See project PW-38 also. No more than one of these will advance. This project has been delayed one year from prior CIP.

Circleville-Gray's Woods Connector (PW-38): Straighten Circleville Road near Scotia Road and extend it to Gray's Woods Boulevard. This is part of the overall Halfmoon Township, Patton Township Area Plan and the Gray's Woods Master Plan.

A consultant has been selected to begin the Alternatives Analysis for the intersection. See project PW-37 also. No more than one of these will advance. This project has been delayed one year from prior CIP.

Capital Improvements Plan Manager's Recommendation

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 at first will identify those pipes most at risk of failure due to corrosion and will be the most impractical to replace whether due to large size or great depth. The pipes condition will be inspected, evaluated and ranked. The worst pipes will be planned to be rehabilitated first. Rehabilitation will be done by various means from sliplining with plastic pipe to sliplining with mesh reinforced concrete. 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.

Information Technology Review (Admin-6): Retain consultant to provide SWOT analysis of full range of Township Information Technology Use, including hardware, software and relationships with vendors, etc. This project has been delayed one year from prior CIP.

Police WatchGuard Body Cameras (PD-8): The following equipment is proposed for purchase to implement a body camera program. 8 Vista HD Wi-Fi Extended capacity wearable cameras with 9 hours continuous HD recording. Also comes with a camera mount, 32 GB of storage, a Wi-Fi docking base, necessary cables and a one year warranty. Vista HD, 4re, Smart PoE switches would also be purchased so the body cameras and MVR (in-car cameras) can be integrated. Redaction software is also included in this project. An additional 10 cameras and a Wi-Fi docking base would be purchased in 2019 so that each officer would be issued their own body camera.

Public Works Office Expansion (PW-15): remodeling of under-utilized tax office space to provide offices for the Assistant Road Superintendent and a newly hired Assistant Township Engineer/PW Director. Project involves adding doorways and a window to the Tax Storage room and moving tax storage into the office area of the Tax Department. The plan has been prepared by Fernsler Hutchison Architects. After obtaining pricing through a cooperative purchasing network it was determined that additional funding was required. At this time the project is being completed in 2018. \$69,000 for 2015 and \$50,000 for 2016.

Valley Vista Drive Intersection improvements (PW-8): to provide left turn lane(s) at four intersections to improve roadway capacity and provide safe refuge for left-turning vehicles. The Feasibility Study and Cost estimates were completed in 2014. Grant funding has been awarded from PennDOT. Local match to be funded by a PIB loan. The design is scheduled to be completed in late 2018. \$1,496,854 total.

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 are 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 Circleville Road Shared Use Path Phase 1 was built in 2016 using a combination of Transportation Alternative Program (TAP) and Township

Capital Improvements Plan Manager's Recommendation

funds. The next project, the Valley Vista Bikeway, is anticipated to start in 2019. \$1,119,212 (\$1,041,212 Grant, \$100,000 Patton Township local match, \$50,000 Ferguson Township local match) total.

Waddle Road Widening, Strouse Avenue to Clearview Avenue (PW-6): to provide center turn lane to improve capacity and provide safe refuge for left-turning vehicles. Includes Feasibility Study and Engineering (\$45,000; encumbered in 2015) and Right-of-way acquisition and Construction (\$1,432,000; 2019 & 2021); \$1,773,000 total. Construction costs are proposed to be financed through a bond or loan with debt service commencing in 2023. In addition, the Township will apply for a grant in 2020. Feasibility Study and Engineering delayed one year from prior CIP due to Valley Vista Drive Intersection improvements project.

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. 2018 and 2019 expenditures are a very preliminary estimate of project scope.

Toftrees Avenue Stormwater Improvements (PW-22): Public works staff has identified repairs required to the half pipe that carries storm water along Toftrees Avenue in front of the resort. \$48,950 for 2019. This project has been delayed one year from prior CIP.

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, 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. 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 2019, 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.

Julian Pike Guide Rail Replacement (PW-25): The existing guide rail needs to be replaced in the near future. The Public Works Director is applying for a County LFT Grant for half the costs of the replacement. The project involves approximately 1,300 feet of new guide rail. \$36,750 for 2019. This project has been delayed one year from prior CIP.

Connection of Shared Use Path (PW-27): 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

Capital Improvements Plan Manager's Recommendation

equipment (flashers, etc.) will also be evaluated. Grant funding will be explored. This project has been delayed one year from prior CIP.

Martin Street Island Removal/Replacement (PW-29): The trailer of a tractor trailer went up over the curb at Martin Street and North Atherton Street and struck the traffic signal pole such that the Township had to replace it. The concrete median island on Martin Street at the intersection with North Atherton Street makes for a very tight turn for tractor trailer trucks turning right at the intersection from North Atherton Street. This project would remove the concrete median island closest to the intersection and replace it with at grade asphalt/concrete and pavement markings such that it is no longer a barrier and this section of roadway may be used by tractor trailer trucks which have a larger turning radius. Grooves will be milled into the surface for a warning to traffic either way. The Township will be required to get approval from PennDot and update this traffic signal plan. 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.

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.

Area Transportation Study (PW-39): Retain consultant to assess traffic conditions on Atherton St., Waddle Rd., Vairo Blvd., Clearview Ave. and Colonnade Blvd. and recommend improvements. Improvements may include infrastructure upgrades (turn lanes, widening) or technological investments (adaptive signaling). Study to be completed prior to advancing PW-6 Waddle Road Widening. This project has been delayed one year from prior CIP.

Capital Improvements Plan Manager’s Recommendation

Forecast of Real Estate Tax Rates to support the 2019 – 2023 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
2015	8.9 mills	-0-
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	9.0 mills + 0.6 mills for Open Space	1.1%
2021	9.1 mills + 0.6 mills for Open Space	1.1%
2022	9.2 mills + 0.6 mills for Open Space	1.1%
2023	9.3 mills + 0.6 mills for Open Space	1.1%

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.

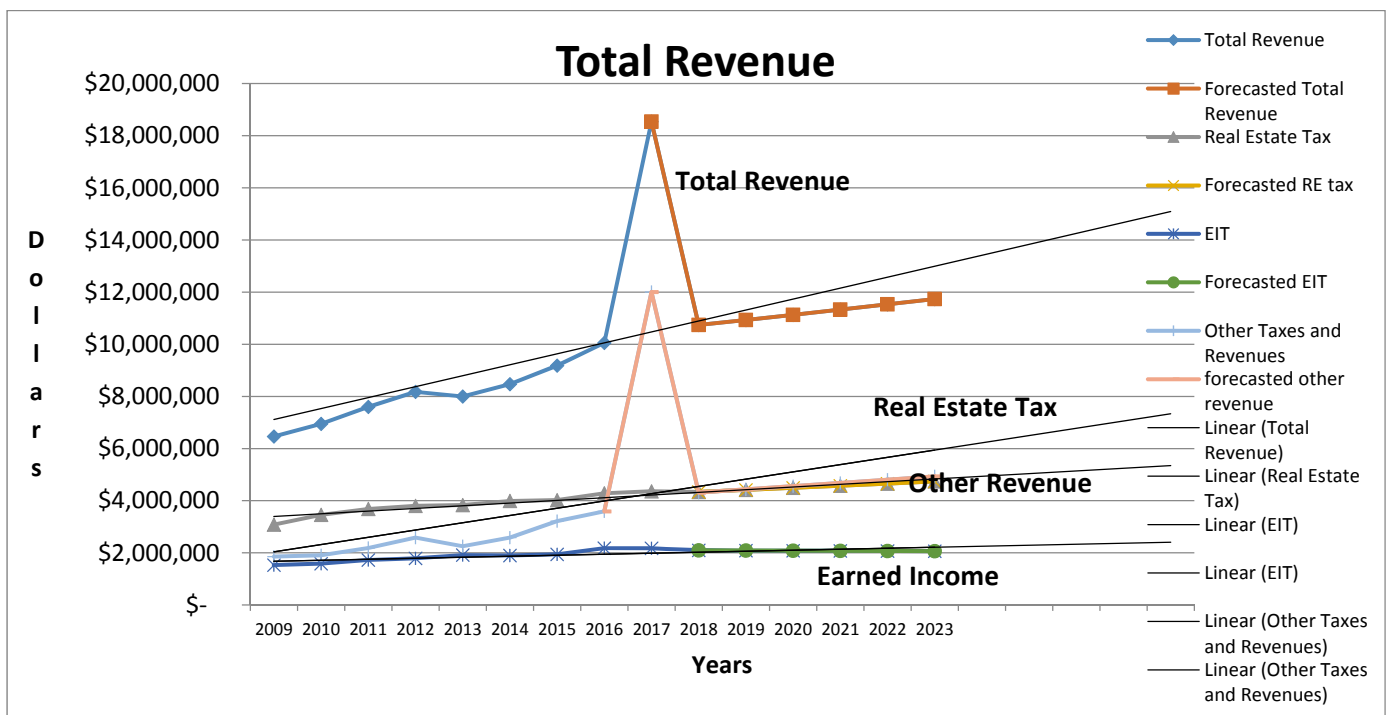
Assumptions for Revenue and on-going Expenditure trends

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. 2018 growth is estimate at 2.0%. Additional growth is anticipated for 2019 to 2023 at a rate not to exceed 1.9%.
- 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 2018 expenditures were derived from the 2018 COG budget. Expenditures are anticipated to increase by \$71,000 per year from 2019 to 2023.

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 2019 through 2023 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 2019 through 2023 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 2019 through 2023 are based on:

- Pool Renewals debt service schedule
- Regional Parks decrease in annual contribution to \$98,359
- Fire Capital per 2018 COG Budget
- CATA Capital prior five years trend

PATTON TOWNSHIP

CAPITAL IMPROVEMENTS PLAN

Projection of Revenues and Expenditures

2019-2023

MANAGER'S RECOMMENDATIONS

	Actual 2016	Actual 2017	Projected 2018	Forecast 2019	Forecast 2020	Forecast 2021	Forecast 2022	Forecast 2023
Cash Balance FWD	2,895,483	2,834,773	3,704,233	4,667,766	3,952,305	2,669,350	1,483,867	1,480,570
	10,055,732	18,541,331	10,740,144	10,932,233	11,127,759	11,326,783	11,529,365	11,735,571
	270,494	275,332	273,780	278,677	330,938	384,979	440,847	498,591
Total Revenue	10,326,226	18,816,663	11,013,923	11,210,910	11,458,697	11,711,762	11,970,212	12,234,162
changes to millage	9.5	9.5	9.5	9.5	9.6	9.7	9.8	9.9
	0.6	0.6	0.6	0.6	0.7	0.8	0.9	1.0
	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	4,792,551	5,113,652	5,456,267	5,821,837	6,211,900	6,598,097
Other Operating Costs -Local	1,052,521	1,132,387	1,270,317	1,282,527	1,294,737	1,306,947	1,319,157	1,331,367
Other Operating Costs - Regional	1,204,615	1,125,561	1,254,479	1,313,440	1,375,172	1,439,805	1,507,476	1,548,327
	6,576,397	6,812,959	7,317,348	7,709,619	8,126,176	8,568,589	9,038,533	9,477,791
Proposed Staff Additions and additional operatin	0	0	0	15,100	15,100	15,100	15,100	15,100
Capital Expenditures								
Minor Capital items	56,688	74,513	79,716	84,919	90,122	95,325	100,528	105,731
Capital Allocations (including reserve funds)								
Local	1,085,805	640,519	944,997	974,994	935,309	970,728	909,252	1,020,385
Regional	329,514	370,544	401,431	406,593	413,270	419,194	407,588	398,826
	1,415,319	1,011,063	1,346,428	1,381,586	1,348,579	1,389,922	1,316,841	1,419,211
Proposed Capital Projects	2,055,036	6,783,637	406,617	2,251,740	1,691,158	4,682,069	910,198	927,682
Less financing	1,041,261	4,465,277	26,027	0	0	1,200,000	666,000	0
Less Grants/Awards/Contributions	0	1,035,581	64,911	1,041,212	0	1,916,000	0	500,000
	1,013,775	1,282,779	315,679	1,210,528	1,691,158	1,566,069	244,198	427,682
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
Additional Debt Service on Project to be financed	498,805	519,927	201,587	417,424	414,296	438,171	438,171	487,996
Total Expenditures (including Proposed Projects)	10,386,935	17,947,203	10,050,390	11,926,371	12,741,651	12,897,245	11,973,510	12,749,572
Revenue less Expenditures	(60,709)	869,459	963,533	(715,461)	(1,282,955)	(1,185,483)	(3,298)	(515,410)
Ending Cash Balance	2,834,773	3,704,233	4,667,766	3,952,305	2,669,350	1,483,867	1,480,570	965,159
Cash Balance as a % of Total Expenditures	27.3%	20.6%	46.4%	33.1%	20.9%	11.5%	12.4%	7.6%

PATTON TOWNSHIP

CAPITAL IMPROVEMENTS PLAN

2019-2023

Proposed Projects

Recommended		2016	2017	2018	2019	2020	2021	2022	2023	Project Cost for 8 year period
<small>*Requires Financing (below)</small>										
Capital Project	Priority									
Public Works Office Expansion	Beneficial	0	0	50,000	0	0	0	0	0	50,000
LED Streetlight Replacement	Beneficial	0	30,000	0	0	0	0	0	0	30,000
Phase 2 Open Space Acquisition - 0.6 miles Bike Ways*	Beneficial	0	3,500,000	0	0	0	0	0	0	3,500,000
Waddle Road Interchange Design	Critical	109,323	1,119,212	0	1,041,212	150,000	1,000,000	100,000	500,000	4,019,747
Valley Vista Drive Improvements	Beneficial	1,686,833	480,000	0	0	0	0	0	0	2,166,833
Waddle Road widening	Beneficial	192,480	1,255,277	0	0	0	0	0	0	1,447,757
Valley Vista Drive Adaptive Signalling	Beneficial	0	0	0	241,000	200,000	1,332,000	0	0	1,773,000
Police Records Management System	Critical	55,000	35,000	0	0	0	0	0	0	264,108
Tactical Ballistic Shields	Beneficial	11,400	7,828	0	0	0	0	0	0	90,000
Traffic Signal Replacement	Beneficial	0	32,212	0	0	67,554	34,588	35,418	36,268	19,228
MS4 Stormwater Projects	More Info Needed	0	25,000	0	40,000	40,000	40,000	40,000	40,000	206,040
North Atherton Street Adaptive Signals	Beneficial	0	10,000	10,000	0	0	0	0	0	225,000
Toftrees Ave Stormwater Improvements	Critical	0	0	0	48,950	0	0	0	0	20,000
Community Garden Expansion	Beneficial	0	25,000	0	0	0	0	0	0	48,950
Solar Panels	Beneficial	0	0	0	50,000	0	0	0	0	25,000
Julian Pike Guide Rail Replacement	Critical	0	0	0	36,750	0	0	0	0	50,000
Bernel Rd & Fox Hollow Rd Intersect	Beneficial	0	0	0	100,000	0	0	0	0	36,750
KINBER Internet Service	Critical	0	0	43,200	0	0	0	0	0	100,000
Myers/Everhart Farm Conservation	Critical	0	0	75,000	0	0	0	0	0	43,200
Millbrook Marsh Nature Center	Beneficial	0	0	5,580	10,940	0	0	0	0	75,000
Bernel Road Park Phase 1 of Phase 2	Beneficial	0	0	0	50,000	128,485	503,525	498,633	100,000	16,520
Staff Addition to Patrol NEW	Beneficial	0	0	0	111,137	123,100	135,666	149,233	0	1,280,643
Taser Replacement	Critical	0	9,200	0	0	0	0	0	0	519,136
WatchGuard Body Cameras	Beneficial	0	18,430	14,705	0	0	0	0	0	9,200
Police Station Door Key Fobs	Beneficial	0	14,000	0	0	0	0	0	0	33,135
Emergency Power for Shop	Beneficial	0	30,000	0	0	0	0	0	0	14,000
Connection of Shared Use Path	Beneficial	0	0	0	18,000	30,000	0	0	0	30,000
Assistant Engineer/Project Manager	Beneficial	0	101,186	0	0	0	0	0	0	48,000
Martin Street Island Removal/Replacement	Beneficial	0	0	8,815	0	0	0	0	0	101,186
Fire Station Retaining Wall NEW	Beneficial	0	0	9,600	0	0	0	0	0	8,815
Earl Basin Outlet Replacement NEW	Critical	0	3,671	0	0	0	0	0	0	9,600
Devonshire Stormwater Pipe Replacement NEW	Critical	0	8,030	0	0	0	0	0	0	3,671
Scotia Road Surface Improvement NEW	Critical	0	28,750	92,000	392,576	0	0	0	0	8,030
Stormwater Pipe Rehabilitation NEW	Critical	0	0	40,250	34,500	0	0	0	0	513,326
Douglas Ditch Upper Reach Clean-up NEW	Critical	0	9,570	0	0	0	0	0	0	74,750
Douglas Drive Ditch Flooding Analysis NEW	Beneficial	0	0	75,000	0	0	0	0	0	9,570
Circleville/Scotia Sight Distance Investigation NEW	Beneficial	0	0	43,250	339,600	0	0	0	0	75,000
Circleville-Gray's Woods Connector NEW	Beneficial	0	0	70,000	50,000	1,500,000	0	0	0	382,850
Township Website Update NEW	Beneficial	0	26,268	5,756	5,756	5,756	5,756	5,756	0	1,620,000
Information Technology Review NEW	Beneficial	0	25,000	0	0	0	0	0	0	49,292
Area Transportation Study NEW	Beneficial	0	100,000	0	0	0	0	0	0	25,000
Deputy Manager NEW	Beneficial	0	10,000	10,200	10,400	10,600	10,800	10,800	0	100,000
Communications Position (Part-Time) NEW	Beneficial	0	40,000	30,600	31,200	31,800	32,500	0	0	52,000
Ordinance Officer (Part-Time) NEW	Beneficial	0	25,000	25,750	26,500	27,325	28,125	0	0	166,100
Open Space Gator NEW	Beneficial	0	10,000	0	0	0	0	0	0	132,700
Broadband Expansion NEW	Beneficial	0	25,000	75,000	75,000	25,000	25,000	25,000	0	10,000
Total Project Costs		2,055,036	6,783,637	406,617	2,251,740	1,691,158	4,682,069	910,198	927,682	19,708,137
Less Financed Projects (see below)										
Waddle Road Widening		0	0	0	0	0	0	666,000	0	666,000
Waddle Road Interchange		1,041,261	480,000	0	0	0	0	0	0	1,521,261
Valley Vista Drive Improvements NEW		0	455,277	0	0	0	0	0	0	455,277
Valley Vista Drive Adaptive Signalling NEW		0	0	26,027	0	0	0	0	0	26,027
LED Streetlight Replacement NEW		0	30,000	0	0	0	0	0	0	30,000
Open Space Acquisition		0	3,500,000	0	0	0	0	0	0	3,500,000
Bernel Road Park Phase 1 of Phase 2 NEW		0	0	0	0	600,000	0	0	0	600,000
Circleville-Gray's Woods Connector NEW		0	0	0	0	600,000	0	0	0	600,000
Total		1,041,261	4,465,277	26,027	0	0	1,200,000	666,000	0	7,398,565
Less Grant/Developer Funding/Assessmen										
Act 13 Unconventional Well		0	0	0	0	0	0	0	0	0
Bikeways		0	0	0	1,041,212	0	1,000,000	0	500,000	2,541,212
Valley Vista Multi-Modal Grant		0	800,000	0	0	0	0	0	0	800,000
Valley Vista Drive Adaptive Signalling		0	198,081	0	0	0	0	0	0	198,081
Waddle Road Widening		0	0	0	0	0	666,000	0	0	666,000
ARLE Grant		0	0	0	0	0	0	0	0	0
Solar Panels		0	20,000	0	0	0	0	0	0	20,000
County LFT - Julian Pike Guide Rail		0	17,500	0	0	0	0	0	0	17,500
Ferguson Township		0	0	50,000	0	0	0	0	0	50,000
Park Construction - Local		0	0	0	0	150,000	0	0	0	150,000
Circleville-Gray's Woods Connector NEW		0	0	0	0	100,000	0	0	0	100,000
State College Area School District NEW		0	0	14,911	0	0	0	0	0	14,911
Total Grants		0	1,035,581	64,911	1,041,212	0	1,916,000	0	500,000	4,645,355
General Fund Impact of Proposed Capital Projects - Pay as you Go		1,013,775	1,282,779	315,679	1,210,528	1,691,158	1,566,069	244,198	427,682	7,751,868
Plus Operational Impacts										
New Crime Mgt Software on going maintenance costs		0	0	0	15,100	15,100	15,100	15,100	15,100	75,500
Total		0	0	0	15,100	15,100	15,100	15,100	15,100	75,500
Debt Service for Proposed Projects										
Waddle Road Bridge		200,000	200,000	57,538	54,407	51,279	48,148	75,157	124,979	811,508
Waddle Road Widening		0	21,122	21,122	21,122	21,122	21,122	21,122	21,122	147,854
Valley Vista Widening		54,000	54,000	54,000	96,460	96,460	96,460	96,460	96,460	644,300
Open Space Acquisition Phase 2		244,805	244,805	68,927	245,435	245,435	245,435	245,432	245,435	1,785,709
Line of Credit for Cash Flow (WW Bridge, Bikepath, VV)		0	0	0	0	0	0	0	0	0
Total		498,805	519,927	201,587	417,424	414,296	411,165	438,171	487,996	3,389,371
Total General Fund Cost of Proposed Projects		1,512,580	1,802,706	517,266	1,643,052	2,120,554	1,992,334	697,469	930,778	11,216,739

Patton Township, Pennsylvania

Capital Improvement Plan

2019 thru 2023

PROJECTS BY DEPARTMENT

Department	Project #	Priority	2019	2020	2021	2022	2023	Total
Administration								
Building Refurbishment Fund	Admin-1	4	62,011	35,305	52,051	34,869	33,359	217,595
Township Website Update	Admin-5	n/a	26,268	5,756	5,756	5,756	5,756	49,292
IT Review	Admin-6	n/a	25,000					25,000
Deputy Manager	Admin-7	4	10,000	10,200	10,400	10,600	10,800	52,000
Communications Position (Part-Time)	Admin-8	4	40,000	30,600	31,200	31,800	32,500	166,100
Broadband Expansion	Admin-9	4	25,000	75,000	75,000	25,000	25,000	225,000
Administration Total			188,279	156,861	174,407	108,025	107,415	734,987
COG								
Park Forest Pool Renewal	COG-1	1	36,883	36,883	36,883	36,883	36,883	184,415
Welch Pool Renewal	COG-2	1	62,802	62,802	62,802	62,802	62,802	314,010
Regional Parks	COG-3	2	73,780	73,780	73,780	73,780	73,780	368,900
Fire Equipment and Capital	COG-5	3	73,516	76,457	79,516	82,695	73,516	385,700
CATA Capital	COG-6	4	14,418	15,139	15,896	16,691	17,525	79,669
Millbrook Marsh Nature Center	COG-8	7	10,940					10,940
COG Total			272,339	265,061	268,877	272,851	264,506	1,343,634
Community Services - Other								
Bikeway Development	General-3	4	1,041,212	150,000	1,000,000	100,000	500,000	2,791,212
Community Services - Other Total			1,041,212	150,000	1,000,000	100,000	500,000	2,791,212
Parks								
Park Construction - Local	Parks-1	6	305,500	238,525	14,000			558,025
Bernel Road Park Phase 1 of Phase 2	Parks-2	4	50,000	128,485	503,525	498,633	100,000	1,280,643
Parks Total			355,500	367,010	517,525	498,633	100,000	1,838,668
Police								
Police Car Replacement	PD-1	6	35,897	73,948	38,083	39,226	40,400	227,554
Ordinance Officer (Part-Time)	PD-10	4	25,000	25,750	26,500	27,325	28,125	132,700
Staff Additions to Patrol	PD-4	4		111,137	123,100	135,666	149,233	519,136
WatchGuard Body Cameras	PD-8	4	14,705					14,705
Police Total			75,602	210,835	187,683	202,217	217,758	894,095
Public Works								
Road Equipment Replacement	PW-10	6	303,700	221,580	82,000	0		607,280
Road Resurfacing and Reconstruction	PW-11	6	353,000	358,000	428,000	530,000	570,000	2,239,000
Homestead Farms Roadway	PW-13	1	0	25,132	29,700	0	0	54,832
Traffic Signal Replacement	PW-18	4		67,554	34,588	35,418	36,268	173,828
Bernel Rd and Fox Hollow Rd Intersection Changes	PW-19	4	100,000					100,000
Traffic Signal Battery Back-up and Improvements	PW-2	4	49,988					49,988
MS4 Stormwater Projects	PW-20	5	40,000	40,000	40,000	40,000	40,000	200,000

Department	Project #	Priority	2019	2020	2021	2022	2023	Total
Toftrees Ave Stormwater Improvements	PW-22	3	48,950					48,950
Solar Panels	PW-24	4	50,000					50,000
Julian Pike Guide Rail Replacement	PW-25	3	36,750					36,750
Connection of Shared Use Path	PW-27	4	18,000	30,000				48,000
Martin Street Island Removal/Replacement	PW-29	4	8,815					8,815
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	9,600					9,600
Scotia Road Surface Improvement	PW-33	3	92,000	392,576				484,576
Stormwater Pipe Rehabilitation	PW-34	3	40,250	34,500				74,750
Douglas Drive Ditch Flooding Analysis	PW-36	4	75,000					75,000
Circleville/Scotia Sight Distance Investigation	PW-37	4	43,250	339,600				382,850
Circleville-Gray's Woods Connector	PW-38	4	70,000	50,000	1,500,000			1,620,000
Area Transportation Study	PW-39	n/a	100,000					100,000
Open Space Gator	PW-40	4	10,000					10,000
Waddle Road Widening	PW-6	4	241,000	200,000	1,332,000			1,773,000
Public Works Total			1,693,303	1,761,942	3,449,288	608,418	649,268	8,162,219
GRAND TOTAL			3,626,235	2,911,709	5,597,780	1,790,144	1,838,947	15,764,815

Patton Township, Pennsylvania
Capital Improvement Plan
 2019 thru 2023

FUNDING SOURCE SUMMARY

Source	2019	2020	2021	2022	2023	Total
County LFT	18,375					18,375
Dedicated Real Estate Taxes	347,964	354,923	361,655	366,924	372,428	1,803,894
Developer Contribution			0			0
Financing			1,200,000	666,000		1,866,000
Fund Balance	14,800					14,800
General Fund	1,671,752	2,251,165	2,158,991	1,037,098	1,043,920	8,162,926
Grant	1,041,212		1,916,000		500,000	3,457,212
Interest	350	350	350	300	350	1,700
Liquid Fuels	316,052	323,634	331,660	335,000	375,000	1,681,346
Sale of Used Equipment	40,000	20,000	20,000	20,000	20,000	120,000
Special Assessment	14,871	14,871	14,871	14,871	14,871	74,355
GRAND TOTAL	3,465,376	2,964,943	6,003,527	2,440,193	2,326,569	17,200,608

Patton Township, Pennsylvania

Capital Improvement Plan

2019 thru 2023

FUNDING SOURCES BY DEPARTMENT

Department	2019	2020	2021	2022	2023	Total
Administration						
General Fund	166,268	163,056	165,356	117,656	120,056	732,392
Interest	100	100	100	100	100	500
Administration Total	166,368	163,156	165,456	117,756	120,156	732,892
COG						
General Fund	272,339	265,061	268,877	276,451	264,506	1,347,234
COG Total	272,339	265,061	268,877	276,451	264,506	1,347,234
Community Services - Other						
General Fund		150,000		100,000		250,000
Grant	1,041,212		1,000,000		500,000	2,541,212
Community Services - Other Total	1,041,212	150,000	1,000,000	100,000	500,000	2,791,212
Parks						
Dedicated Real Estate Taxes	347,964	354,923	361,655	366,924	372,428	1,803,894
Financing			600,000			600,000
General Fund	50,000	128,485	402,158		100,000	680,643
Grant			150,000			150,000
Parks Total	397,964	483,408	1,513,813	366,924	472,428	3,234,537
Police						
General Fund	88,705	186,887	199,600	212,991	227,358	915,541
Interest	100	100	100	50	100	450
Police Total	88,805	186,987	199,700	213,041	227,458	915,991
Public Works						
County LFT	18,375					18,375
Developer Contribution			0			0
Financing			600,000	666,000		1,266,000
Fund Balance	14,800					14,800
General Fund	1,094,440	1,357,676	1,123,000	330,000	332,000	4,237,116
Grant			766,000			766,000
Interest	150	150	150	150	150	750
Liquid Fuels	316,052	323,634	331,660	335,000	375,000	1,681,346
Sale of Used Equipment	40,000	20,000	20,000	20,000	20,000	120,000
Special Assessment	14,871	14,871	14,871	14,871	14,871	74,355
Public Works Total	1,498,688	1,716,331	2,855,681	1,366,021	742,021	8,178,742
GRAND TOTAL	3,465,376	2,964,943	6,003,527	2,440,193	2,326,569	17,200,608

Patton Township, Pennsylvania

Capital Improvement Plan

2019 thru 2023

PROJECTS BY FUNDING SOURCE

Source	Project #	Priority	2019	2020	2021	2022	2023	Total
County LFT								
Julian Pike Guide Rail Replacement	PW-25	3	18,375					18,375
County LFT Total			18,375					18,375
Dedicated Real Estate Taxes								
Park Construction - Local	Parks-1	6	347,964	354,923	361,655	366,924	372,428	1,803,894
Dedicated Real Estate Taxes Total			347,964	354,923	361,655	366,924	372,428	1,803,894
Developer Contribution								
Traffic Signal Battery Back-up and Improvements	PW-2	4			0			0
Developer Contribution Total					0			0
Financing								
Bernel Road Park Phase 1 of Phase 2	Parks-2	4			600,000			600,000
Circleville-Gray's Woods Connector	PW-38	4			600,000			600,000
Waddle Road Widening	PW-6	4				666,000		666,000
Financing Total					1,200,000	666,000		1,866,000
Fund Balance								
Fire Station Retaining Wall	PW-30	4	4,800					4,800
Open Space Gator	PW-40	4	10,000					10,000
Fund Balance Total			14,800					14,800
General Fund								
Building Refurbishment Fund	Admin-1	4	40,000	41,500	43,000	44,500	46,000	215,000
Township Website Update	Admin-5	n/a	26,268	5,756	5,756	5,756	5,756	49,292
IT Review	Admin-6	n/a	25,000					25,000
Deputy Manager	Admin-7	4	10,000	10,200	10,400	10,600	10,800	52,000
Communications Position (Part-Time)	Admin-8	4	40,000	30,600	31,200	31,800	32,500	166,100
Broadband Expansion	Admin-9	4	25,000	75,000	75,000	25,000	25,000	225,000
Park Forest Pool Renewal	COG-1	1	36,883	36,883	36,883	36,883	36,883	184,415
Welch Pool Renewal	COG-2	1	62,802	62,802	62,802	62,802	62,802	314,010
Regional Parks	COG-3	2	73,780	73,780	73,780	73,780	73,780	368,900
Fire Equipment and Capital	COG-5	3	73,516	76,457	79,516	86,295	73,516	389,300
CATA Capital	COG-6	4	14,418	15,139	15,896	16,691	17,525	79,669
Millbrook Marsh Nature Center	COG-8	7	10,940					10,940
Bikeway Development	General-3	4		150,000		100,000		250,000
Bernel Road Park Phase 1 of Phase 2	Parks-2	4	50,000	128,485	402,158		100,000	680,643

Source	Project #	Priority	2019	2020	2021	2022	2023	Total
Police Car Replacement	PD-1	6	49,000	50,000	50,000	50,000	50,000	249,000
Ordinance Officer (Part-Time)	PD-10	4	25,000	25,750	26,500	27,325	28,125	132,700
Staff Additions to Patrol	PD-4	4		111,137	123,100	135,666	149,233	519,136
WatchGuard Body Cameras	PD-8	4	14,705					14,705
Road Equipment Replacement	PW-10	6	60,000	65,000	75,000	80,000	80,000	360,000
Road Resurfacing and Reconstruction	PW-11	6	175,000	175,000	175,000	175,000	175,000	875,000
Traffic Signal Replacement	PW-18	4	26,000	28,000	30,000	32,000	34,000	150,000
MS4 Stormwater Projects	PW-20	5	40,000	40,000	40,000	40,000	40,000	200,000
Toftrees Ave Stormwater Improvements	PW-22	3	48,950					48,950
Solar Panels	PW-24	4	30,000					30,000
Julian Pike Guide Rail Replacement	PW-25	3	18,375					18,375
Connection of Shared Use Path	PW-27	4	18,000	30,000				48,000
Martin Street Island Removal/Replacement	PW-29	4	8,815					8,815
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				74,750
Douglas Drive Ditch Flooding Analysis	PW-36	4	75,000					75,000
Circleville/Scotia Sight Distance Investigation	PW-37	4	43,250	339,600				382,850
Circleville-Gray's Woods Connector	PW-38	4	70,000	50,000	800,000			920,000
Area Transportation Study	PW-39	n/a	100,000					100,000
Waddle Road Widening	PW-6	4	241,000	200,000				441,000

General Fund Total

1,671,752 2,251,165 2,158,991 1,037,098 1,043,920 8,162,926

Grant

Bikeway Development	General-3	4	1,041,212		1,000,000		500,000	2,541,212
Park Construction - Local	Parks-1	6			150,000			150,000
Circleville-Gray's Woods Connector	PW-38	4			100,000			100,000
Waddle Road Widening	PW-6	4			666,000			666,000

Grant Total

1,041,212 1,916,000 500,000 3,457,212

Interest

Building Refurbishment Fund	Admin-1	4	100	100	100	100	100	500
Police Car Replacement	PD-1	6	100	100	100	50	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

350 350 350 300 350 1,700

Liquid Fuels

Road Equipment Replacement	PW-10	6	86,052	88,634	91,660	90,000	125,000	481,346
Road Resurfacing and Reconstruction	PW-11	6	230,000	235,000	240,000	245,000	250,000	1,200,000

Liquid Fuels Total

316,052 323,634 331,660 335,000 375,000 1,681,346

Sale of Used Equipment

Road Equipment Replacement	PW-10	6	40,000	20,000	20,000	20,000	20,000	120,000
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Sale of Used Equipment Total

40,000 20,000 20,000 20,000 20,000 120,000

Special Assessment

Source	Project #	Priority	2019	2020	2021	2022	2023	Total
Homestead Farms Roadway	<i>PW-13</i>	1	14,871	14,871	14,871	14,871	14,871	74,355
Special Assessment Total			14,871	14,871	14,871	14,871	14,871	74,355
GRAND TOTAL			3,465,376	2,964,943	6,003,527	2,440,193	2,326,569	17,200,608

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 thru 2023

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: \$496,557

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	2019	2020	2021	2022	2023	Total
278,962	Other	62,011	35,305	52,051	34,869	33,359	217,595
Total	Total	62,011	35,305	52,051	34,869	33,359	217,595

Prior	Funding Sources	2019	2020	2021	2022	2023	Total
324,496	General Fund	40,000	41,500	43,000	44,500	46,000	215,000
	Interest	100	100	100	100	100	500
Total	Total	40,100	41,600	43,100	44,600	46,100	215,500

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

2019 *thru* 2023

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: \$49,292

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

Justification
 Address a minor risk

Expenditures	2019	2020	2021	2022	2023	Total
Services	26,268	5,756	5,756	5,756	5,756	49,292
Total	26,268	5,756	5,756	5,756	5,756	49,292

Funding Sources	2019	2020	2021	2022	2023	Total
General Fund	26,268	5,756	5,756	5,756	5,756	49,292
Total	26,268	5,756	5,756	5,756	5,756	49,292

Budget Impact/Other

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 *thru* 2023

Department Administration
 Contact
 Type Design
 Useful Life varies
 Category Information Technology
 Priority n/a
 Status Active

Project # Admin-6
 Project Name IT Review

Total Project Cost: \$25,000

Description
 Retain consultant to provide SWOT analysis of full range of Township Information Technology Use, including hardware, software and relationships with vendors, etc.

Justification
 Addresses a minor risk

Expenditures	2019	2020	2021	2022	2023	Total
Services	25,000					25,000
Total	25,000					25,000

Funding Sources	2019	2020	2021	2022	2023	Total
General Fund	25,000					25,000
Total	25,000					25,000

Budget Impact/Other

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 *thru* 2023

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

Project # Admin-7
 Project Name Deputy Manager

Total Project Cost: \$52,000

Description
 Establish position of Deputy Manager for Township to be staffed on a rotating basis by Department Heads (Admin, PW & Police). Includes commensurate adjustment upward of salaries. Initially Manager will work with each Deputy on basic duties and identify areas for each individual to develop new skills. While not exactly a secession plan, provides a means to transfer knowledge and skills to others.

Justification

Expenditures	2019	2020	2021	2022	2023	Total
Services	10,000	10,200	10,400	10,600	10,800	52,000
Total	10,000	10,200	10,400	10,600	10,800	52,000

Funding Sources	2019	2020	2021	2022	2023	Total
General Fund	10,000	10,200	10,400	10,600	10,800	52,000
Total	10,000	10,200	10,400	10,600	10,800	52,000

Budget Impact/Other

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 *thru* 2023

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	2019	2020	2021	2022	2023	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	2019	2020	2021	2022	2023	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

2019 thru 2023

Department Administration
 Contact Doug
 Type Installation
 Useful Life
 Category Community
 Priority 2 Beneficial
 Status Active

Project # Admin-9
 Project Name Broadband Expansion

Total Project Cost: \$225,000

Description

Phase 1 (2019) - 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 (2020) - Identify potential areas for deployment, select funding and operational models.

Phase 3 (2020-2022) - Implement funding and operational models, install infrastructure as indicated.

Justification

Expenditures	2019	2020	2021	2022	2023	Total
Other		25,000	25,000			50,000
Services	25,000	25,000	25,000	25,000	25,000	125,000
Contingency		25,000	25,000			50,000
Total	25,000	75,000	75,000	25,000	25,000	225,000

Funding Sources	2019	2020	2021	2022	2023	Total
General Fund	25,000	75,000	75,000	25,000	25,000	225,000
Total	25,000	75,000	75,000	25,000	25,000	225,000

Budget Impact/Other

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 *thru* 2023

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: \$565,233

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	2019	2020	2021	2022	2023	Total
380,818	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	2019	2020	2021	2022	2023	Total
380,818	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 has decreased to zero.

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 *thru* 2023

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: \$930,855

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	2019	2020	2021	2022	2023	Total
616,845	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	2019	2020	2021	2022	2023	Total
616,845	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

2019 *thru* 2023

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: \$1,501,960

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	2019	2020	2021	2022	2023	Total
1,133,060	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	2019	2020	2021	2022	2023	Total
1,133,060	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

2019 *thru* 2023

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: \$1,009,970

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	2019	2020	2021	2022	2023	Total
624,270	Equip/Vehicles/Furnishings	73,516	76,457	79,516	82,695	73,516	385,700
Total	Total	73,516	76,457	79,516	82,695	73,516	385,700

Prior	Funding Sources	2019	2020	2021	2022	2023	Total
624,270	General Fund	73,516	76,457	79,516	86,295	73,516	389,300
Total	Total	73,516	76,457	79,516	86,295	73,516	389,300

Budget Impact/Other

Capital Improvement Plan
Patton Township, Pennsylvania

2019 *thru* 2023

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: \$210,256

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	2019	2020	2021	2022	2023	Total
130,587	Equip/Vehicles/Furnishings	14,418	15,139	15,896	16,691	17,525	79,669
Total	Total	14,418	15,139	15,896	16,691	17,525	79,669

Prior	Funding Sources	2019	2020	2021	2022	2023	Total
130,587	General Fund	14,418	15,139	15,896	16,691	17,525	79,669
Total	Total	14,418	15,139	15,896	16,691	17,525	79,669

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

2019 *thru* 2023

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: \$16,520

Description
 Repair to the Barn Roof. Restain the Barn and Spring Creek Education Building.

Justification
 To continue to enhance the Millbrook Marsh Nature Center.

Prior	Expenditures	2019	2020	2021	2022	2023	Total
5,580	Other	10,940					10,940
Total	Total	10,940					10,940

Prior	Funding Sources	2019	2020	2021	2022	2023	Total
5,580	General Fund	10,940					10,940
Total	Total	10,940					10,940

Budget Impact/Other

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 thru 2023

Department Community Services - Other

Contact

Type Construction

Useful Life 50

Category Regional Programs

Priority 2 Beneficial

Status Active

Total Project Cost: \$3,600,253

Project #	General-3
Project Name	Bikeway Development

Description

In September of 2010, the Patton Township Board of Supervisors adopted the "Patton Township Bicycle and Pedestrian Path Planning" document. The plan identified the top three ranked projects within the Township. The Circleville Road Shared Use Path was ranked first, Little Lion Drive to Devonshire Drive was ranked second and Benjamin Court to Bellefonte Central Rail Trail (BCRT) was third.

The Circleville Road Shared Use Path Phase I was built in 2016 using a combination of Transportation Alternative Program (TAP) and Township funds. The second ranked project, Little Lion Drive to Devonshire Drive was expanded in length to run from Carnegie Drive to the Township boundary line with Ferguson Township, then extend into Ferguson Township to meet the Tudek/Circleville Bikeway. Construction for this project will occur in 2019 using Transportation Alternative Program (TAP) funds. It is anticipated that grant funding will be applied for the third ranked project, Benjamin Court to BCRT, in 2019.

The Recreation Advisory Committee (RAC) is developing an update to the 2010 "Patton Township Bicycle and Pedestrian Path Planning" document to be presented to the Patton Township Board of Supervisors early in 2019. This will recommend new rankings of projects.

Justification

Addresses a minor risk. This project enhances the Circleville Park and Haugh Family Preserve properties and is available to all residents. This project may help reduce greenhouse gas emissions.

Prior	Expenditures	2019	2020	2021	2022	2023	Total
809,041	Construction/Maintenance	1,041,212		1,000,000		500,000	2,541,212
	Planning/Design		150,000		100,000		250,000
Total	Total	1,041,212	150,000	1,000,000	100,000	500,000	2,791,212

Prior	Funding Sources	2019	2020	2021	2022	2023	Total
859,041	General Fund		150,000		100,000		250,000
	Grant	1,041,212		1,000,000		500,000	2,541,212
Total	Total	1,041,212	150,000	1,000,000	100,000	500,000	2,791,212

Budget Impact/Other

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 *thru* 2023

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: \$6,809,102

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	2019	2020	2021	2022	2023	Total
6,251,077	Other	65,000		14,000			79,000
	Debt Service Payments	240,500	238,525				479,025
Total	Total	305,500	238,525	14,000			558,025

Prior	Funding Sources	2019	2020	2021	2022	2023	Total
6,761,897	Dedicated Real Estate Taxes	347,964	354,923	361,655	366,924	372,428	1,803,894
	Grant			150,000			150,000
Total	Total	347,964	354,923	511,655	366,924	372,428	1,953,894

Budget Impact/Other

Development of new parklands increases maintenance costs incurred by CRPR.

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 *thru* 2023

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 1 of Phase 2

Total Project Cost: \$1,300,643

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 2020.

Justification
 Beginning of Phase 2 per Master Plan

Prior	Expenditures	2019	2020	2021	2022	2023	Total
20,000	Construction/Maintenance		128,485	503,525	498,633		1,130,643
	Planning/Design	50,000				100,000	150,000
Total	Total	50,000	128,485	503,525	498,633	100,000	1,280,643

Prior	Funding Sources	2019	2020	2021	2022	2023	Total
20,000	Financing			600,000			600,000
	General Fund	50,000	128,485	402,158		100,000	680,643
Total	Total	50,000	128,485	1,002,158		100,000	1,280,643

Budget Impact/Other

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 *thru* 2023

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: \$648,939

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	2019	2020	2021	2022	2023	Total
421,385	Equip/Vehicles/Furnishings	35,897	73,948	38,083	39,226	40,400	227,554
Total	Total	35,897	73,948	38,083	39,226	40,400	227,554

Prior	Funding Sources	2019	2020	2021	2022	2023	Total
468,532	General Fund	49,000	50,000	50,000	50,000	50,000	249,000
	Interest	100	100	100	50	100	450
Total	Total	49,100	50,100	50,100	50,050	50,100	249,450

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

2019 *thru* 2023

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

Project # PD-10
 Project Name Ordinance Officer (Part-Time)

Total Project Cost: \$132,700

Description

The Ordinance Officer would fairly and accurately enforce the ordinances of Patton Township as they relate to parking, non-parking and animal. Enforcement includes proactively searching for violations, monitoring locations found in violation and responding to complaints of ordinance violations from citizens. The Ordinance Officer would be responsible for issuing verbal and written violation warnings and notices, filing citations or other legal processes and testifying in court. They would be responsible for assisting the Township Zoning Administrator by monitoring all permanent and temporary signs within the Township and monitoring construction sites and other locations for compliance to regulations and permits. This position would also be responsible to address sidewalk repair issues. The Ordinance Officer would assist the public by facilitating resolutions to parking, snow removal, weed and grass problems and addressing concerns with residents and developers.

Justification

Ordinance enforcement is an important quality of life component for residents of Patton Township. Having this position would help to proactively deal with ordinance issues rather than reactively responding when a resident calls in with a concern. This position would be an asset to multiple departments within the Township. The Ordinance Officer would be able to provide more timely and direct follow-up with any issues that arise.

Expenditures	2019	2020	2021	2022	2023	Total
Services	25,000	25,750	26,500	27,325	28,125	132,700
Total	25,000	25,750	26,500	27,325	28,125	132,700

Funding Sources	2019	2020	2021	2022	2023	Total
General Fund	25,000	25,750	26,500	27,325	28,125	132,700
Total	25,000	25,750	26,500	27,325	28,125	132,700

Budget Impact/Other

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 *thru* 2023

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: \$558,898

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.

Prior	Expenditures	2019	2020	2021	2022	2023	Total
39,762	Services		111,137	123,100	135,666	149,233	519,136
Total	Total		111,137	123,100	135,666	149,233	519,136

Funding Sources	2019	2020	2021	2022	2023	Total
General Fund		111,137	123,100	135,666	149,233	519,136
Total		111,137	123,100	135,666	149,233	519,136

Budget Impact/Other

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 thru 2023

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

Budget Items	2019	2020	2021	2022	2023	Total
Maintenance	15,100	15,100	15,100	15,100		60,400
Total	15,100	15,100	15,100	15,100		60,400

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 *thru* 2023

Department Police
 Contact Tyler
 Type Equipment
 Useful Life
 Category Equipment - Police
 Priority 2 Beneficial
 Status Active

Project # PD-8
 Project Name WatchGuard Body Cameras

Total Project Cost: \$33,135

Description

The following equipment is proposed for purchase to implement a body camera program. 8 Vista HD Wi-Fi Extended capacity wearable cameras with 9 hours continuous HD recording. Also comes with a camera mount, 32 GB of storage, a Wi-Fi docking base, necessary cables and a one year warranty. Vista HD, 4re, Smart PoE switches would also be purchased so the body cameras and MVR (in-car cameras) can be integrated. Redaction software is also included in this project. An additional 10 cameras and a Wi-Fi docking base would be purchased in 2019 so that each officer would be issued their own body camera.

Justification

In a recent study, researchers found that officers in police departments that used body cameras were less likely to use force and that the number of complaints against officers also fell. Body cameras have been proven to strengthen community trust and improve accountability and transparency. They also can provide valuable evidence for prosecution of crimes. The redaction software is important if someone's identity needs to be kept confidential in the event of a right to know request or for criminal prosecution.

Prior	Expenditures	2019	2020	2021	2022	2023	Total
18,430	Equip/Vehicles/Furnishings	14,705					14,705
Total	Total	14,705					14,705

Prior	Funding Sources	2019	2020	2021	2022	2023	Total
18,430	General Fund	14,705					14,705
Total	Total	14,705					14,705

Budget Impact/Other

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 *thru* 2023

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: \$1,820,008

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	2019	2020	2021	2022	2023	Total
1,212,728	Equip/Vehicles/Furnishings	303,700	221,580	82,000	0		607,280
Total	Total	303,700	221,580	82,000	0		607,280

Prior	Funding Sources	2019	2020	2021	2022	2023	Total
1,491,195	General Fund	60,000	65,000	75,000	80,000	80,000	360,000
	Interest	100	100	100	100	100	500
Total	Liquid Fuels	86,052	88,634	91,660	90,000	125,000	481,346
	Sale of Used Equipment	40,000	20,000	20,000	20,000	20,000	120,000
	Total	186,152	173,734	186,760	190,100	225,100	961,846

Budget Impact/Other

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 thru 2023

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: \$4,234,630

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	2019	2020	2021	2022	2023	Total
1,995,630	Road Overlay	325,000	330,000	400,000	500,000	550,000	2,105,000
	Road Crew Materials	28,000	28,000	28,000	30,000	20,000	134,000
Total	Patching Contract	0					0
	Total	353,000	358,000	428,000	530,000	570,000	2,239,000

Prior	Funding Sources	2019	2020	2021	2022	2023	Total
1,963,826	General Fund	175,000	175,000	175,000	175,000	175,000	875,000
	Interest	50	50	50	50	50	250
Total	Liquid Fuels	230,000	235,000	240,000	245,000	250,000	1,200,000
	Total	405,050	410,050	415,050	420,050	425,050	2,075,250

Budget Impact/Other

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 *thru* 2023

Department Public Works
 Contact Steve
 Type Improvement
 Useful Life 25
 Category Road Construction
 Priority Obligated
 Status Active

Project # PW-13
 Project Name Homestead Farms Roadway

Total Project Cost: \$212,032

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	2019	2020	2021	2022	2023	Total
157,200	Construction/Maintenance	0	25,132	29,700	0	0	54,832
Total	Total	0	25,132	29,700	0	0	54,832

Prior	Funding Sources	2019	2020	2021	2022	2023	Total
138,980	Special Assessment	14,871	14,871	14,871	14,871	14,871	74,355
Total	Total	14,871	14,871	14,871	14,871	14,871	74,355

Budget Impact/Other

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 *thru* 2023

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	2019	2020	2021	2022	2023	Total
32,212	Equip/Vehicles/Furnishings		67,554	34,588	35,418	36,268	173,828
Total	Total		67,554	34,588	35,418	36,268	173,828

Prior	Funding Sources	2019	2020	2021	2022	2023	Total
66,000	General Fund	26,000	28,000	30,000	32,000	34,000	150,000
Total	Total	26,000	28,000	30,000	32,000	34,000	150,000

Budget Impact/Other

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 *thru* 2023

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: \$100,000

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.

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance	100,000					100,000
Total	100,000					100,000

Prior

100,000

Total

Budget Impact/Other

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 thru 2023

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

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

Total Project Cost: \$100,000

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	2019	2020	2021	2022	2023	Total
50,012	Equip/Vehicles/Furnishings	49,988					49,988
Total	Total	49,988					49,988

Prior	Funding Sources	2019	2020	2021	2022	2023	Total
100,000	Developer Contribution			0			0
Total	Total			0			0

Budget Impact/Other

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 *thru* 2023

Department Public Works
 Contact Steve
 Type Installation
 Useful Life 50
 Category Regional Programs
 Priority 3 Needs More Information
 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	2019	2020	2021	2022	2023	Total
25,000	Land Acquisition	4,000	4,000	4,000	4,000	4,000	20,000
	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	2019	2020	2021	2022	2023	Total
25,000	General Fund	40,000	40,000	40,000	40,000	40,000	200,000
	Total	40,000	40,000	40,000	40,000	40,000	200,000

Budget Impact/Other

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 *thru* 2023

Department Public Works
 Contact Glenn
 Type Construction
 Useful Life 50
 Category Stormwater/Drainage
 Priority 1 Critical
 Status Active

Project # PW-22
 Project Name Toftrees Ave Stormwater Improvements

Total Project Cost: \$48,950

Description
 In 2016, the Road Superintendent identified significant repairs that are needed along the half-pipe drainage swale along Toftrees Avenue in front of the hotel/resort property. It is anticipated that a portion of the work will be contracted and the Road Crew will complete some of the work.

Justification
 Addresses a minor safety risk.

Expenditures	2019	2020	2021	2022	2023	Total
Land Acquisition	4,000					4,000
Construction/Maintenance	40,000					40,000
Other	500					500
Contingency	4,450					4,450
Total	48,950					48,950

Funding Sources	2019	2020	2021	2022	2023	Total
General Fund	48,950					48,950
Total	48,950					48,950

Budget Impact/Other

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 *thru* 2023

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 emissions.

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance	50,000					50,000
Total	50,000					50,000

Prior	Funding Sources	2019	2020	2021	2022	2023	Total
20,000	General Fund	30,000					30,000
Total	Total	30,000					30,000

Budget Impact/Other

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 *thru* 2023

Department Public Works
 Contact Steve
 Type Installation
 Useful Life 25
 Category Road Construction
 Priority 1 Critical
 Status Active

Project # PW-25
 Project Name Julian Pike Guide Rail Replacement

Total Project Cost: \$36,750

Description
 The existing guide rail needs to be replaced in the near future. The Public Works Director is applying for a County LFT Grant for half the costs of the replacement. The project involves approximately 1,300 feet of new guide rail.

Justification

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance	33,600					33,600
Planning/Design	3,150					3,150
Total	36,750					36,750

Funding Sources	2019	2020	2021	2022	2023	Total
County LFT	18,375					18,375
General Fund	18,375					18,375
Total	36,750					36,750

Budget Impact/Other

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 *thru* 2023

Department Public Works
 Contact Susan Wheeler
 Type Improvement
 Useful Life
 Category Park Improvements
 Priority 2 Beneficial
 Status Active

Project # PW-27
 Project Name Connection of Shared Use Path

Total Project Cost: \$48,000

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.

Justification
 Addresses a minor risk as outlined in the Bike Plan

Expenditures	2019	2020	2021	2022	2023	Total
Land Acquisition	8,000					8,000
Construction/Maintenance		25,000				25,000
Equip/Vehicles/Furnishings		5,000				5,000
Planning/Design	10,000					10,000
Total	18,000	30,000				48,000

Funding Sources	2019	2020	2021	2022	2023	Total
General Fund	18,000	30,000				48,000
Total	18,000	30,000				48,000

Budget Impact/Other

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 *thru* 2023

Department Public Works
 Contact Steve
 Type Construction
 Useful Life 20
 Category Road Construction
 Priority 2 Beneficial
 Status Active

Project # PW-29
 Project Name Martin Street Island Removal/Replacement

Total Project Cost: \$8,815

Description

The trailer of a tractor trailer went up over the curb at Martin Street and North Atherton Street and struck the traffic signal pole such that the Township had to replace it. The concrete median island on Martin Street at the intersection with North Atherton Street makes for a very tight turn for tractor trailer trucks turning right at the intersection from North Atherton Street. This project would remove the concrete median island closest to the intersection and replace it with at grade asphalt/concrete and pavement markings such that it is no longer a barrier and this section of roadway may be used by tractor trailer trucks which have a larger turning radius. Grooves will be milled into the surface for a warning to traffic either way. The Township will be required to get approval from PennDot and update this traffic signal plan.

Justification

Addresses a minor risk.

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance	3,165					3,165
Equip/Vehicles/Furnishings	500					500
Planning/Design	4,000					4,000
Contingency	1,150					1,150
Total	8,815					8,815

Funding Sources	2019	2020	2021	2022	2023	Total
General Fund	8,815					8,815
Total	8,815					8,815

Budget Impact/Other

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 *thru* 2023

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: \$38,662

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 overlayed. 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	2019	2020	2021	2022	2023	Total
23,662	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	2019	2020	2021	2022	2023	Total
23,662	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

2019 *thru* 2023

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	2019	2020	2021	2022	2023	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	2019	2020	2021	2022	2023	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

2019 *thru* 2023

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	2019	2020	2021	2022	2023	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	2019	2020	2021	2022	2023	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

2019 *thru* 2023

Department Public Works
 Contact Steve
 Type Improvement
 Useful Life 50
 Category Stormwater/Drainage
 Priority 1 Critical
 Status Active

Project # PW-34
 Project Name Stormwater Pipe Rehabilitation

Total Project Cost: \$74,750

Description

Many of the stormwater pipes in the Township are corrugated metal pipes that have varying levels of corrosion. This project at first will identify those pipes most at risk of failure due to corrosion and will be the most impractical to replace whether due to large size or great depth. The pipes condition will be inspected, evaluated and ranked. The worst pipes will be planned to be rehabilitated first. Rehabilitation will be done by various means from sliplining with plastic pipe to sliplining with mesh reinforced concrete. 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.

Justification

Addresses a major risk.

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance		30,000				30,000
Planning/Design	10,000					10,000
Services	25,000					25,000
Contingency	5,250	4,500				9,750
Total	40,250	34,500				74,750

Funding Sources	2019	2020	2021	2022	2023	Total
General Fund	40,250	34,500				74,750
Total	40,250	34,500				74,750

Budget Impact/Other

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 *thru* 2023

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	2019	2020	2021	2022	2023	Total
Planning/Design	75,000					75,000
Total	75,000					75,000

Funding Sources	2019	2020	2021	2022	2023	Total
General Fund	75,000					75,000
Total	75,000					75,000

Budget Impact/Other

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 *thru* 2023

Department Public Works
 Contact Steve
 Type Construction
 Useful Life 50
 Category Road Construction
 Priority 2 Beneficial
 Status Active

Project # PW-37
 Project Name Circleville/Scotia Sight Distance Investigation

Total Project Cost: \$402,850

Description

The sight distance is inadequate at the intersection of Circleville Road and Scotia Road for traffic stopped at the stop sign on Circleville Road. This project will mitigate that problem.

In 2018, a study of the traffic patterns in the area will be conducted See project PW-38 also. No more than one of these will advance.

Justification

Addresses a minor risk

Prior	Expenditures	2019	2020	2021	2022	2023	Total
20,000	Land Acquisition	15,000					15,000
	Construction/Maintenance		283,000				283,000
Total	Planning/Design	20,000					20,000
	Contingency	8,250	56,600				64,850
	Total	43,250	339,600				382,850

Prior	Funding Sources	2019	2020	2021	2022	2023	Total
20,000	General Fund	43,250	339,600				382,850
Total	Total	43,250	339,600				382,850

Budget Impact/Other

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 *thru* 2023

Department Public Works
 Contact Steve
 Type Construction
 Useful Life 50
 Category Road Construction
 Priority 2 Beneficial
 Status Active

Project # PW-38
 Project Name Circleville-Gray's Woods Connector

Total Project Cost: \$1,640,000

Description
 Straighten Circleville Road near Scotia Road and extend it to Gray's Woods Boulevard. This is part of the overall Halfmoon Township, Patton Township Area Plan and the Gray's Woods Master Plan.
 In 2018, a study of the traffic patterns in the area will be conducted See project PW-38 also. No more than one of these will advance.

Justification
 Addresses a minor risk

Prior	Expenditures	2019	2020	2021	2022	2023	Total
20,000	Land Acquisition		50,000				50,000
	Construction/Maintenance			1,500,000			1,500,000
Total	Planning/Design	55,000					55,000
	Contingency	15,000					15,000
	Total	70,000	50,000	1,500,000			1,620,000

Prior	Funding Sources	2019	2020	2021	2022	2023	Total
20,000	Financing			600,000			600,000
	General Fund	70,000	50,000	800,000			920,000
Total	Grant			100,000			100,000
	Total	70,000	50,000	1,500,000			1,620,000

Budget Impact/Other

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 *thru* 2023

Department Public Works
 Contact Steve
 Type Design
 Useful Life 25
 Category Road Maintenance
 Priority n/a
 Status Active

Project # PW-39
 Project Name Area Transportation Study

Total Project Cost: \$100,000

Description
 Retain consultant to assess traffic conditions on Atherton St., Waddle Rd., Vairo Blvd., Clearview Ave. and Colonnade Blvd. and recommend improvements. Improvements may include infrastructure upgrades (turn lanes, widening) or technological investments (adaptive signaling). Study to be completed prior to advancing PW-6 Waddle Road Widening.

Justification
 Addresses a minor risk

Expenditures	2019	2020	2021	2022	2023	Total
Other	100,000					100,000
Total	100,000					100,000

Funding Sources	2019	2020	2021	2022	2023	Total
General Fund	100,000					100,000
Total	100,000					100,000

Budget Impact/Other

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 *thru* 2023

Department Public Works
 Contact Ken
 Type Equipment
 Useful Life 10
 Category Equipment: Miscellaneous
 Priority 2 Beneficial
 Status Active

Project # PW-40
 Project Name Open Space Gator

Total Project Cost: \$10,000

Description
 Purchase a all terrain vehicle for Open Space

Justification

Expenditures	2019	2020	2021	2022	2023	Total
Equip/Vehicles/Furnishings	10,000					10,000
Total	10,000					10,000

Funding Sources	2019	2020	2021	2022	2023	Total
Fund Balance	10,000					10,000
Total	10,000					10,000

Budget Impact/Other

Capital Improvement Plan
 Patton Township, Pennsylvania

2019 thru 2023

Department Public Works
 Contact Steve
 Type Construction
 Useful Life 50
 Category Road Construction
 Priority 2 Beneficial
 Status Active

Project #	PW-6
Project Name	Waddle Road Widening

Total Project Cost: \$1,818,000

Description
Various studies have indicated a need for significant improvements on Waddle Road. The scope of this project will focus on widening Waddle Road to three lanes between Strouse Avenue and Clearview Avenue. Phase I will include field surveys and preparation of base mapping for the project area. The consultant will prepare a conceptual design of the widening project including the sidewalk along Waddle Road. The concept plan will include horizontal alignment sufficient to define key geometric features including approach center lines, lane widths, auxilliary lane storage lengths, and identification of additional right-of-way, if necessary. Phase I will also include preliminary construction cost estimates based on the conceptual plan. Phase II and III will consist of final design and construction. This project will be moved to 2016 for Phase I and 2017 for Phase III. Further clarification on the project timeline will occur upon final approval of the Traffic Impact Study for the Waddle Road Interchange Project.

Justification
Addresses minor risk. Reduces congestion and GGE. Used by a large percentage of residents. This project is a "missing link" in the corridor.

Prior	Expenditures	2019	2020	2021	2022	2023	Total
45,000	Land Acquisition	100,000					100,000
Total	Construction/Maintenance			1,332,000			1,332,000
	Other		200,000				200,000
	Planning/Design	141,000					141,000
	Total	241,000	200,000	1,332,000			1,773,000

Prior	Funding Sources	2019	2020	2021	2022	2023	Total
45,000	Financing				666,000		666,000
Total	General Fund	241,000	200,000				441,000
	Grant			666,000			666,000
	Total	241,000	200,000	666,000	666,000		1,773,000

Budget Impact/Other

Prior	Budget Items	2019	2020	2021	2022	2023	Total	Future
21,122	Debt Service payments	21,122	21,122	21,122	21,122	21,122	105,610	21,122
Total	Total	21,122	21,122	21,122	21,122	21,122	105,610	Total

PATTON TOWNSHIP

CAPITAL IMPROVEMENTS PLAN

FORECASTED EXPENDITURES-

2019-2023

REGIONAL AND LOCAL

Current Projects

	2016	2017	projections 2018	2019	2020	2021	2022	2023
Operating Expenditures								
Personnel Costs -Local Salaries and benefits	4,319,261	4,555,011	4,792,551	5,113,652	5,456,267	5,821,837	6,211,900	6,598,097
Local Operating Costs	1,052,521	1,132,387	1,270,317	1,282,527	1,294,737	1,306,947	1,319,157	1,331,367
Regional Operating Costs	1,204,615	1,125,561	1,254,479	1,313,440	1,375,172	1,439,805	1,507,476	1,548,327
Capital Allocations	6,576,397	6,812,959	7,317,348	7,709,619	8,126,176	8,568,589	9,038,533	9,477,791
Local								
409743 Allocation to Building reserve	35,500	0	38,500	40,000	41,500	43,000	44,500	44,500
410740 Police Vehicle Reserve	46,000	0	31,000	49,000	50,000	51,000	52,000	52,000
417741 Crime System Software (new)	0	67,362	0	0	0	0	0	0
Tactical Ballistic Shields		7,828	0	0	0	0	0	0
430741 PW Equipment	47,082	0	55,000	60,000	65,000	75,000	75,000	75,000
430750 Emergency Assistance	5,000	0	2,500	0	0	0	0	0
439430 Allocation to Traffic Mitigation	5,292	0	7,500	0	0	0	0	0
439599 Homestead Farms	28,584	0	20,000	14,871	14,871	14,871	14,871	14,871
439610 Road Resurfacing	45,000	0	66,656	75,000	75,000	75,000	75,000	75,000
439612 Public Works Building Improvement	50,000	0	0	0				
439617 Douglas Ditch		3,191	48,750	0	0	0	0	0
Traffic Signal Replacement	20,000	24,000	26,000	28,000	30,000	32,000	32,000	32,000
439619 Sign Reflectivity Project	600	1,917	3,000	3,000	3,000	3,000	3,000	3,000
439621 Waddle Road Interchange GF transfer	483,643	0	0	0	0	0	0	0
454610 PT Parks Dedicated Millage	319,104	321,220	319,410	325,123	330,938	336,857	342,881	349,014
L430740 LFT Equipment Replacement		30,000	128,909	150,000	90,000	100,000	25,000	125,000
County LFT Expenditures		0	0	0	0	0	0	0
L439610 LFT Road Resurfacing		185,000	197,772	230,000	235,000	240,000	245,000	250,000
Mobile Digital Video Recording		0	0	0	0	0	0	0
Radio Replacement (Police and PW)		0	0	0	0	0	0	0
	1,085,805	640,519	944,997	974,994	935,309	970,728	909,252	1,020,385
Regional								
454530 P&R Pools Capital	98,221	98,359	98,359	98,359	98,359	98,359	108,055	108,055
454532 Regional Parks	88,738	125,000	160,000	160,000	160,000	160,000	160,000	160,000
P&R Capital	40,867	42,910	45,056	47,309	49,674	52,158	33,997	33,997
454.532 Regional Parks Maintenance Facility		0	0	0	0	0	0	0
454617 S&A Field Contribution	0	0	0	0	0	0	0	0
447531 CATA Capital	19,202	18,329	19,245	20,207	21,218	21,218	14,504	14,504
COG Fire Capital	66,626	69,294	72,066	73,516	76,457	79,519	82,695	73,516
COG Building Capital		0	6,705	7,202	7,562	7,940	8,337	8,754
	329,514	370,544	401,431	406,593	413,270	419,194	407,588	398,826
Minor Capital								
All Local								
409740 Building Capital Items	4,505	16,777						
409742 landscaping	2,002	851						
401740 Capital Admin	12,156	15,982						
403740/402740 Tax Capital	0	0						
410740 Police	0	3,407						
413740 Community Relations	0	0						
417740 Police Records	0	0						
430740 PW Mach and Equip	10,500	11,774						
439 all other	27,525	25,723						
414740 Planning and Zoning	0	0						
	56,688	74,513	79,716	84,919	90,122	95,325	100,528	105,731
Debt OS Debt paid off in 2014; Interchange debt but n	825,950	8,245,962	789,633	1,107,194	1,056,220	824,069	820,139	816,061
Total Budgeted/Actual Expenditures *	8,874,355	16,144,497	9,533,124	10,283,319	10,621,097	10,877,905	11,276,041	11,818,794