



**CAPITAL IMPROVEMENT PLAN  
2014-2018**

**ADOPTED DECEMBER 11, 2013**

## 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 2014 through 2018.

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 2013-2017 Capital Improvement Plan (CIP) was adopted by the Board of Supervisors, with the 2013 elements incorporated into the Township's 2013 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:

- The national economy is slowly climbing out of the Great Recession, and new construction is increasing the real estate tax base, but at a slower rate than seen a decade ago.
- The Council of Governments (COG) has approved several recreational capital projects over the next few years; these projects will increase our contributions to COG and impact the Township's borrowing capacity.

## Capital Improvements Plan Introduction

- The Township is moving forward on several capital projects and programs including the Waddle Road interchange.
- 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.

### 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 2013-2017 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 2014 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, 2013.

## 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 2014 – 2018 Capital Improvement Plan (CIP), and
- Forecast of Real Estate Tax Rates to support the 2014 – 2018 CIP

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

### **Proposed projects for 2014 – 2018 Capital Improvement Plan**

A brief description follows for each project recommended for inclusion in the 2014 – 2018 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, and 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.

**Bikeway Development:** in response to the recreational preference expressed through the 2008 Open Space/Recreation questionnaire, the CIP includes design and construction of the Circleville road bikeway beginning in 2013. The design will be locally funded and the construction costs are anticipated to be principally funded through state grants. A consultant has been selected, but the project is on-hold pending an environmental habitat review. The priority bikeway projects were developed through a process documented in the Patton Township Bikeway Plan adopted by the Board in September 2010. The next project, the Devonshire Bikeway, is anticipated to start in 2015. \$656,763 total.

**Waddle Road Interchange:** to increase capacity and improve safety, the Township began seeking federal funding in 2008. Last year the U.S. Congress passed the reauthorization bill for transportation funding, but no earmark funding was included. The CIP includes the debt service on a \$3,000,000 bank loan that will fund the engineering design and other preconstruction activities. The Township intends to recoup half the debt service through fees assessed on new construction enabled through the interchange upgrade.

**Valley Vista Drive Intersection improvements:** to provide left turn lane(s) at intersections to improve capacity and provide safe refuge for left-turning vehicles. Includes Feasibility Study and Engineering (\$25,000; 2013) and Construction (\$250,000; 2014); \$275,000 total.

## Capital Improvements Plan Manager's Recommendation

**Waddle Road Widening, Strouse Avenue to Clearview Avenue:** to provide center turn lane to improve capacity and provide safe refuge for left-turning vehicles. Includes Feasibility Study (\$15,000; 2014), Engineering (\$45,000; 2015) and Right-of-way acquisition and Construction (\$350,000; 2017); \$510,000 total. Construction costs are proposed to be financed through a bond or loan with debt service commencing in 2018. Feasibility Study and Engineering delayed one year from prior CIP due to Waddle Interchange project.

**North Atherton Place Traffic Signal Upgrade:** Public Works has been awarded a grant from PennDOT to install handicap ramps and make pedestrian signal upgrades at the subject intersection. The work may be completed in conjunction with a PennDOT drainage/overlay project. Total \$50,000.

**New: Contribution to S & A Fields / Ferguson Township:** to provide lighting and improvements at the Teener League baseball field, Ferguson Township is requesting pledges from other municipalities in the Centre Region. \$10,000 requested.

**New: Regional Parks Maintenance Facility:** as proposed in the COG budget. \$36,345 proposed for 2013 for master planning, design, and rental of temporary space. \$570,180 is anticipated for 2014 for construction.

**New: Public Works Staff Addition:** to provide for increased capacity to complete maintenance and construction projects for the Township, an additional Road Crew member is proposed to be hired in 2014. The proposal is driven by a general increase in service requests over the last few years and the specific increase in Crew time to complete brush collection. The Public Works Director has noted that he has a growing list of projects that have been repeatedly delayed due to the lack of time available.

**New: Valley Vista Drive Adaptive Signaling:** Research, select and deploy next generation of traffic signal controllers along the Valley Vista Drive corridor with intersections with Carnegie Drive, Lowes driveway, North Atherton Street and Green Tech Drive. To be funded and installed over four years with \$20,000 for 2014 for research, justification and design; \$60,000 for 2015 for permitting and initial installations; and \$80,000 over next two years to complete installation.

**Open Space Acquisition program extension:** to continue the Township's Open Space program the CIP includes a reduction of Real Estate Tax revenue dedicated to debt service for the Haugh Family Farm acquisition through 2014 as retirement of the bonds approaches. The Board has directed staff to prepare to survey the Township residents and then utilize a referendum to use Electoral Debt for a future Open Space acquisition. The CIP includes further Open Space acquisition by providing funding to support a new debt service of \$290,000 annually (equivalent to 0.6 mills) beginning in 2015 to purchase \$3,500,000 of property. The Open Space Task Force would be reconvened in 2014.

**New: Public Works Office Expansion:** to provide office space for an Assistant Township Engineer/PW Director in part of the current Tax Office. Project would involve adding doorways and a window to the Tax Storage room and moving tax storage into the office area of the Tax Department. \$10,000 anticipated for 2016.

**New: Police Staff Addition:** to fill a vacant position in the patrol division, a new hiring is proposed for 2016. Prior to finalizing any decision the Department's programs will be thoroughly reviewed. From this review, Department goals will be clarified and the need for additional staff will be further considered.

## Capital Improvements Plan Manager's Recommendation

### Forecast of Real Estate Tax Rates to support the 2014 – 2018 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 is now slowly increasing, Geisinger and others are making significant investments in their facilities, and transfer tax revenues are rebounding. 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 2014 – 2018 CIP the Manager forecasts that the following RE tax increases will be needed:

Year	RE Tax Rate	% increase over Previous year
2012	8.9 mills	2.3%
2013	8.9 mills	-0-
2014	8.9 mills	-0-
2015	8.9 mills + 0.6 mills for Open Space	11.2%
2016	8.9 mills + 0.6 mills for Open Space	-0-
2017	9.1 mills + 0.6 mills for Open Space	2.1%
2018	9.1 mills + 0.6 mills for Open Space	-0-

A 0.6 mill increase is anticipated for 2015 to finance the purchase of property for open space preservation. That millage would likely be retired in 2034 after the debt is paid off. Another 0.2 mill increase is anticipated for 2017 to fund services and maintain cash reserves at appropriate levels.

## Capital Improvements Plan Manager's Recommendation

### Assumptions for Revenue and on-going Expenditure trends

Since mid-year 2009 the department heads (Police Chief, Finance Director and Public Works Director) and the Manager have concentrated on seeking out ways to trim costs. One of the primary means of reducing costs has been accomplished through leaving authorized employee positions vacant. Currently each functional area (public works, police and administration) have a vacant position that has not been filled. The Township also took advantage of favorable financing terms in 2010 to refinance bonds and reduce debt service in 2010 and 2011.

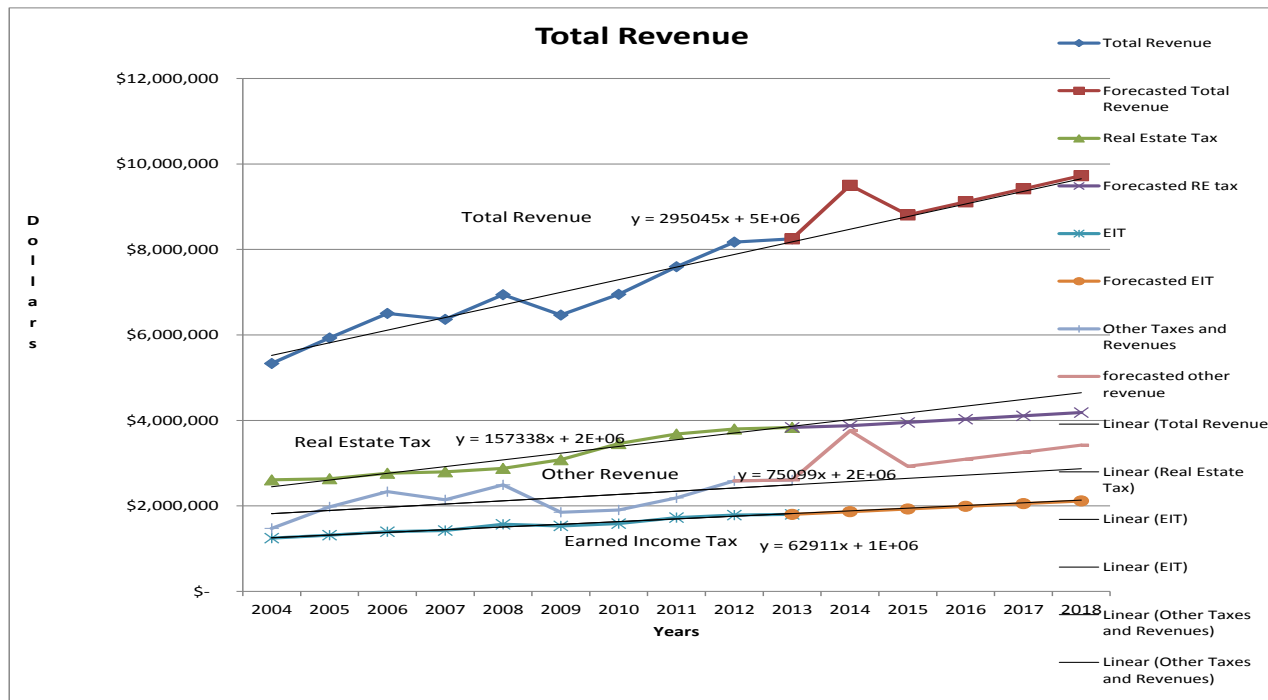
In preparing the CIP the Finance Director reviewed prior trends in revenues and expenditures. When the prior trend revealed consistent results, this trend was used to forecast revenues and expenditures for the CIP. When the recent results exposed a differing trend, the forecast was altered to reflect 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. 2013 growth is estimate at 1.37%. Additional growth is anticipated for 2014 to 2018 at a rate not to exceed 2.03%.
- Earned Income Tax revenue – growth in revenue is expected to be stable.
- 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 approximately 4.3% 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 2014 expenditures were derived from the 2014 COG budget. Expenditures are anticipated to increase by \$82,000 per year from 2014 to 2018.

**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 \$2000 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



## Capital Improvements Plan Manager's Recommendation

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 2012 through 2016 were forecasted for each fund separately.

The Park Fund supports the new development of Circleville and Bernel Road Parks and refurbishment of current facilities in other existing Township parks. Allocations for 2014 through 2018 are based on the current dedicated millage rate (0.7 mills).

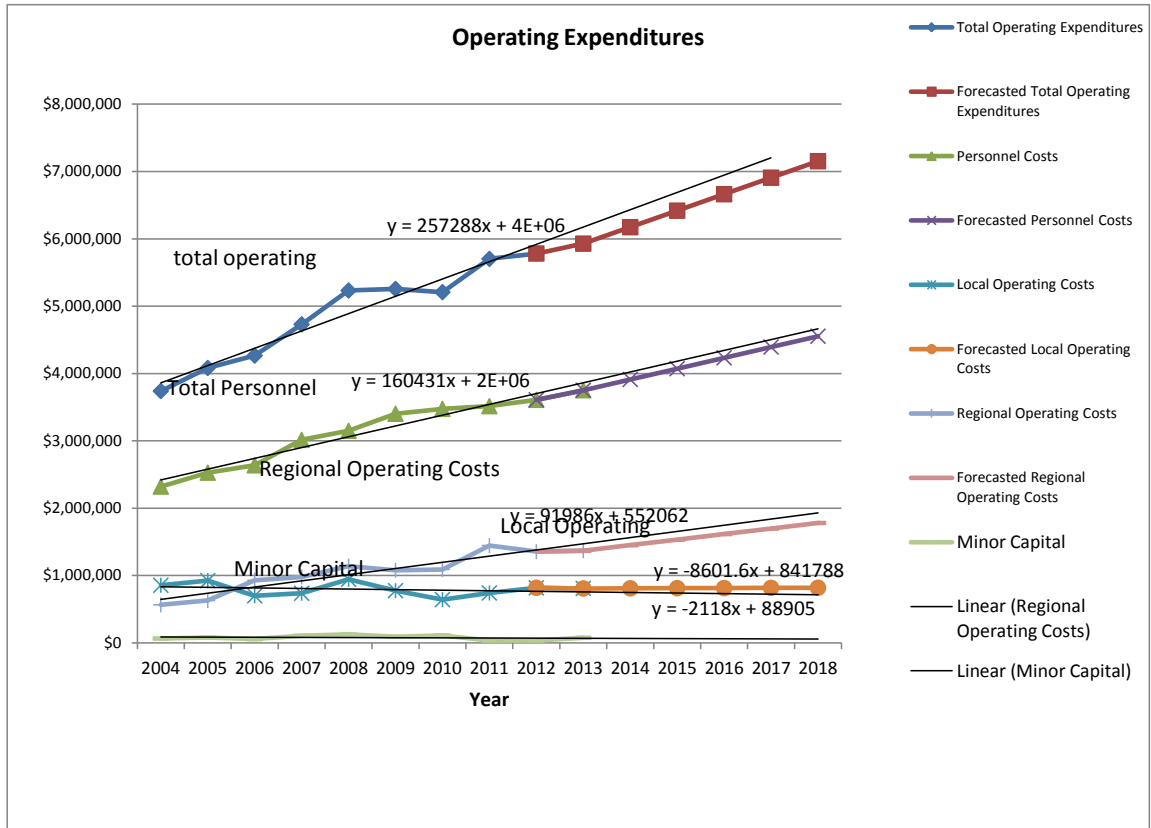
**Capital Expenditures / Capital Allocations – Regional:** Includes on-going COG capital programs and CATA capital contributions. COG programs include Pool Renewals financing, Regional Parks contributions, and Fire Capital. Allocations for 2014 through 2018 are based on:

- Pool Renewals            debt service schedule
- Regional Parks            annual contribution to \$119,313 and an additional \$28,000 for debt service on a maintenance facility.
- Fire Capital                per 2014 COG Budget
- CATA Capital              prior five years trend

**Debt Service:** Includes current annual allocation for Open Space and scheduled bond payments.

- Other Bonds and loan payments            Annual Debt Service Payments

# Capital Improvements Plan Manager's Recommendation



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PATTON TOWNSHIP  
Projection of Revenues and Expenditures

CAPITAL IMPROVEMENTS PLAN  
2014-2018

MANAGER'S RECOMMENDATIONS

	Actual 2003	Actual 2004	Actual 2005	Actual 2006	Actual 2012	Projected 2013	Forecast 2014	Forecast 2015	Forecast 2016	Forecast 2017	Forecast 2018
<b>Cash Balance FWD</b>					1,875,762	2,225,548	1,940,550	505,957	816,819	1,074,839	1,129,813
<b>Total Revenue</b>	5,089,147	5,332,393	5,929,418	6,503,571	8,172,942	8,247,214	9,501,292	9,073,699	9,384,857	9,788,301	10,101,194
changes to millage					8.9	8.9	8.9	9.5	9.5	9.7	9.7
<b>Operating Expenditures</b>											
Personnel	2,178,749	2,321,058	2,527,931	2,632,772	3,609,063	3,751,735	3,912,166	4,072,597	4,233,028	4,393,459	4,553,890
Other Operating Costs - Local	#REF!	855,144	924,930	699,815	817,648	807,913	810,023	812,133	814,243	816,353	818,463
Other Operating Costs - Regional	#REF!	563,872	629,016	930,038	1,355,221	1,368,560	1,450,904	1,533,248	1,615,592	1,697,936	1,780,280
	#REF!	3,740,074	4,081,877	4,262,625	5,781,932	5,928,208	6,173,093	6,417,978	6,662,863	6,907,748	7,152,633
<b>Proposed Staff Additions</b>					0	0	55,347	58,114	168,920	183,586	199,440
<b>Capital Expenditures</b>											
Minor Capital items	#REF!	64,517	78,891	55,916	32,650	75,613	49,562	47,444	45,326	43,208	41,090
Capital Allocations (including reserve funds)											
Local	#REF!	518,853	530,375	781,851	1,184,021	1,492,041	3,122,240	710,615	720,977	1,086,792	747,715
Regional	#REF!	164,407	79,208	165,332	284,487	299,510	327,228	330,818	334,583	338,530	342,785
	#REF!	683,260	609,583	947,183	1,468,508	1,791,551	3,449,468	1,041,434	1,055,560	1,425,322	1,090,500
<b>Proposed Capital Projects (net of financing, contributions, grants)</b>							316,211	242,963	110,409	89,704	33,017
<b>Debt (including Open Space Dedicated Millage)</b>	#REF!	693,535	683,925	727,889	540,066	736,840	757,795	600,495	609,545	609,545	606,258
<b>Additional Debt Service on Project to financed (\$3 million net of developers contribution)</b>					0	0	134,409	354,409	474,214	474,214	510,423
<b>Total Expenditures (including Proposed Projects)</b>	#REF!	5,181,386	5,454,276	5,993,613	7,823,156	8,532,212	10,935,885	8,762,837	9,126,837	9,733,327	9,633,361
<b>Revenue less Expenditures</b>					349,786	(284,998)	(1,434,593)	310,862	258,020	54,975	467,833
<b>Ending Cash Balance</b>					2,225,548	1,940,550	505,957	816,819	1,074,839	1,129,813	1,597,647
<b>Cash Balance as a % of Total Expenditures</b>					28.4%	22.7%	4.6%	9.3%	11.8%	11.6%	16.6%

PATTON TOWNSHIP

CAPITAL IMPROVEMENTS PLAN

2014-2018

Proposed Projects

Funds already spent	Projects approved	Projects Approved but date altered	New Projects	Proposed Projects Altered
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**Recommended**

**Project Cost for  
5 year period**

\*Requires Financing  
(below)

**Capital Project**

**Priority**

	2012	2013	2014	2015	2016	2017	2018	
Public Works Office Expansion -New	0	0	0	0	10,000	0	0	10,000
Phase 2 Open Space Acquisition - 0.6 mills	0	0	0	3,500,000	0	0	0	3,500,000
Bike Ways*	0	25,000	401,313	168,554	26,000	15,295	97,785	708,947
Waddle Road Interchange	346,430	751,000	2,087,570	0	0	0	0	2,087,570
Valley Vista Drive Improvements	15,000	25,000	250,000	0	0	0	0	250,000
Waddle Road traffic study	0	15,000	45,000	0	0	350,000	0	395,000
North Atherton Place Traffic Signal Upgrade	0	0	50,000	0	0	0	0	50,000
Contribution to S&A Fields, Ferguson Twp.	0	0	10,000	0	0	0	0	10,000
Valley Vista Drive Adaptive Signalling	0	0	40,000	40,000	40,000	40,000	0	160,000
Regional Parks Maintenance Facility-New	0	36,345	16,211	34,409	34,409	34,409	34,409	153,847

Less Financed Projects	361,430	852,345	2,900,094	3,742,963	110,409	439,704	132,194	7,325,364
	271,430	676,000	2,097,570	3,500,000	0	350,000	0	5,947,570

\*Less Grant/Developer Funding/Assessment 0 0 486,313 0 0 0 99,177 486,313

**General Fund Impact of Proposed Capital Projects -Pay as you Go**

	90,000	176,345	316,211	242,963	110,409	89,704	33,017	891,481
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**Operational Impacts**

Police Staff Additions	0	0	0	0	107,900	119,515	131,715	359,130
PW Staff Addition	0	0	55,347	58,114	61,020	64,071	67,725	306,277
	0	0	55,347	58,114	168,920	183,586	199,440	665,407

**Debt Service for Proposed Projects**

	0	0	134,409	354,409	474,214	474,214	510,423	963,032
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**Financing Required ( included in Capital Project costs for information only, GF expenditure reflected in new debt service costs )**

Waddle Road Widening	0	0	0	0	0	0	450,000	450,000
Waddle Road Interchange	271,430	676,000	2,052,570	0	0	0	0	3,000,000
Open Space Acquisition	0	0	0	3,500,000	0	0	0	3,500,000
	271,430	676,000	2,052,570	3,500,000	0	0	450,000	6,950,000
				From LFT			100,000	

**For Future Consideration**

Harpster Lane Extension	0	0	0	0	45,000	0	450,000	495,000
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# Patton Township, Pennsylvania

## *Capital Improvement Plan*

2014 thru 2018

### PROJECTS BY DEPARTMENT

Department	Project#	Priority	2014	2015	2016	2017	2018	Total
<b>Administration</b>								
Building Refurbishment Fund	<i>Admin-1</i>	4	50,527	45,793	47,091	41,388	58,344	243,143
<b>Administration Total</b>			<b>50,527</b>	<b>45,793</b>	<b>47,091</b>	<b>41,388</b>	<b>58,344</b>	<b>243,143</b>
<b>COG</b>								
Park Forest Pool Renewal	<i>COG-1</i>	1	33,775	33,775	33,775	33,775	33,775	168,875
Welch Pool Renewal	<i>COG-2</i>	1	56,996	56,996	56,996	56,996	56,996	284,980
Regional Parks	<i>COG-3</i>	2	119,313	119,313	119,313	119,313	119,313	596,565
Fire Equipment and Capital	<i>COG-5</i>	3	64,013	66,574	69,237	72,006	75,000	346,830
CATA Capital	<i>COG-6</i>	4	11,036	11,864	12,754	13,710	14,738	64,102
Regional Parks Maintenance Facility	<i>COG-7</i>	5	16,211	34,409	34,409	34,409	34,409	153,847
<b>COG Total</b>			<b>301,344</b>	<b>322,931</b>	<b>326,484</b>	<b>330,209</b>	<b>334,231</b>	<b>1,615,199</b>
<b>Community Services - Other</b>								
Contribution to S&A Field	<i>General-4</i>	5	10,000					10,000
Open Space Acquisition/Debt Service	<i>General-1</i>	1	150,624					150,624
Open Space Acquisition - Phase 2	<i>General-2</i>	5		3,500,000				3,500,000
Bikeway Development	<i>General-3</i>	4	401,313	168,554	26,000	15,295	97,785	708,947
<b>Community Services - Other Total</b>			<b>561,937</b>	<b>3,668,554</b>	<b>26,000</b>	<b>15,295</b>	<b>97,785</b>	<b>4,369,571</b>
<b>Parks</b>								
Park Construction - Local	<i>Parks-1</i>	6	339,200	240,050	235,850	236,600	236,700	1,288,400
<b>Parks Total</b>			<b>339,200</b>	<b>240,050</b>	<b>235,850</b>	<b>236,600</b>	<b>236,700</b>	<b>1,288,400</b>
<b>Police</b>								
Police Car Replacement	<i>PD-1</i>	6	72,740	62,547	28,705	20,000	81,534	265,526
Mobile Digital Video Recording	<i>PD-3</i>	4	18,270	6,090				24,360
<b>Police Total</b>			<b>91,010</b>	<b>68,637</b>	<b>28,705</b>	<b>20,000</b>	<b>81,534</b>	<b>289,886</b>
<b>Public Works</b>								
Douglas Drive Ditch Improvements	<i>PW-1</i>	4	6,000	6,000	6,000	6,000	6,000	30,000
Road Equipment Replacement	<i>PW-10</i>	6	100,000	125,000	295,000	62,173	111,000	693,173
Road Resurfacing and Reconstruction	<i>PW-11</i>	6	206,900	174,432	190,000	212,000	228,000	1,011,332
Harpster Lane Extension (Marysville)	<i>PW-12</i>	4			45,000	450,000		495,000
Homestead Farms Roadway	<i>PW-13</i>	1	55,713		39,350		49,350	144,413
North Atherton Place Traffic Signal Upgrade	<i>PW-14</i>	4	50,000					50,000
Public Works Office Expansion	<i>PW-15</i>	4			10,000			10,000
Valley Vista Adaptive Traffic Signaling	<i>PW-16</i>	4	20,000	60,000	40,000	40,000		160,000
Traffic Signal Battery Back-up and Improvements	<i>PW-2</i>	4	9,000	9,000	50,307			68,307
Sign Reflectivity Project	<i>PW-3</i>	1	3,000	3,000	3,000	3,000	3,000	15,000
Waddle Road Widening	<i>PW-6</i>	4		45,000			450,000	495,000
Waddle Road Interchange	<i>PW-7</i>	3	2,087,570					2,087,570

<b>Department</b>	<b>Project#</b>	<b>Priority</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
Valley Vista Drive Improvements	<i>PW-8</i>	4	250,000					<i>250,000</i>
<b>Public Works Total</b>			2,788,183	422,432	678,657	773,173	847,350	<i>5,509,795</i>
<b>GRAND TOTAL</b>			4,132,201	4,768,397	1,342,787	1,416,665	1,655,944	<i>13,315,994</i>

Patton Township, Pennsylvania

*Capital Improvement Plan*

2014 thru 2018

**FUNDING SOURCE SUMMARY**

<b>Source</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
Dedicated Real Estate Taxes	304,790	310,861	316,933	323,004	329,075	1,584,663
Developer Contribution	49,976					49,976
Financing	2,051,337	3,500,000		450,000	600,000	6,601,337
General Fund	511,793	563,023	574,066	526,209	493,731	2,668,822
Grant	489,163	184,804	26,000	15,295	97,785	813,047
Interest	950	800	700	1,000	1,500	4,950
Liquid Fuels	209,609	219,330	231,527	234,994	338,500	1,233,960
Sale of Used Equipment	2,000	10,000	30,000	1,000	25,000	68,000
Special Assessment	15,187	15,187	15,187	15,187	15,187	75,935
Traffic Mitigation Reserve Fund	35,000					35,000
<b>GRAND TOTAL</b>	<b>3,669,805</b>	<b>4,804,005</b>	<b>1,194,413</b>	<b>1,566,689</b>	<b>1,900,778</b>	<b>13,135,690</b>



Patton Township, Pennsylvania

*Capital Improvement Plan*

2014 thru 2018

**FUNDING SOURCES BY DEPARTMENT**

Department	2014	2015	2016	2017	2018	Total
<b>Administration</b>						
General Fund	27,500	29,000	30,500	32,000	33,500	152,500
<b>Administration Total</b>	<b>27,500</b>	<b>29,000</b>	<b>30,500</b>	<b>32,000</b>	<b>33,500</b>	<b>152,500</b>
<b>COG</b>						
General Fund	301,344	322,931	326,484	330,209	334,231	1,615,199
<b>COG Total</b>	<b>301,344</b>	<b>322,931</b>	<b>326,484</b>	<b>330,209</b>	<b>334,231</b>	<b>1,615,199</b>
<b>Community Services - Other</b>						
General Fund	19,900					19,900
Grant	391,413	168,554	26,000	15,295	97,785	699,047
<b>Community Services - Other Total</b>	<b>411,313</b>	<b>168,554</b>	<b>26,000</b>	<b>15,295</b>	<b>97,785</b>	<b>718,947</b>
<b>Parks</b>						
Dedicated Real Estate Taxes	304,790	310,861	316,933	323,004	329,075	1,584,663
Interest	700	500				1,200
<b>Parks Total</b>	<b>305,490</b>	<b>311,361</b>	<b>316,933</b>	<b>323,004</b>	<b>329,075</b>	<b>1,585,863</b>
<b>Police</b>						
General Fund	63,270	51,090	46,000	47,000	48,000	255,360
Interest	50	100	100	200	250	700
<b>Police Total</b>	<b>63,320</b>	<b>51,190</b>	<b>46,100</b>	<b>47,200</b>	<b>48,250</b>	<b>256,060</b>
<b>Public Works</b>						
Developer Contribution	49,976					49,976
Financing	2,051,337				250,000	2,301,337
General Fund	99,779	115,002	116,082	117,000	78,000	525,863
Grant	97,750	16,250				114,000
Interest	200	200	600	800	1,250	3,050
Liquid Fuels	209,609	219,330	231,527	234,994	238,500	1,133,960
Sale of Used Equipment	2,000	10,000	30,000	1,000	25,000	68,000
Special Assessment	15,187	15,187	15,187	15,187	15,187	75,935
Traffic Mitigation Reserve Fund	35,000					35,000
<b>Public Works Total</b>	<b>2,560,838</b>	<b>375,969</b>	<b>393,396</b>	<b>368,981</b>	<b>607,937</b>	<b>4,307,121</b>
<b>Grand Total</b>	<b>3,669,805</b>	<b>1,259,005</b>	<b>1,139,413</b>	<b>1,116,689</b>	<b>1,450,778</b>	<b>8,635,690</b>

Patton Township, Pennsylvania

Capital Improvement Plan

2014 thru 2018

PROJECTS BY FUNDING SOURCE

Source	Project#	Priority	2014	2015	2016	2017	2018	Total
<b>Dedicated Real Estate Taxes</b>								
Park Construction - Local	<i>Parks-1</i>	6	304,790	310,861	316,933	323,004	329,075	1,584,663
<b>Dedicated Real Estate Taxes Total</b>			<b>304,790</b>	<b>310,861</b>	<b>316,933</b>	<b>323,004</b>	<b>329,075</b>	<b>1,584,663</b>
<b>Developer Contribution</b>								
Traffic Signal Battery Back-up and Improvements	<i>PW-2</i>	4	49,976					49,976
<b>Developer Contribution Total</b>			<b>49,976</b>					<b>49,976</b>
<b>Financing</b>								
Open Space Acquisition - Phase 2	<i>General-2</i>	5		3,500,000				3,500,000
Harpster Lane Extension (Marysville)	<i>PW-12</i>	4				450,000		450,000
Waddle Road Widening	<i>PW-6</i>	4					350,000	350,000
Waddle Road Interchange	<i>PW-7</i>	3	2,051,337					2,051,337
Valley Vista Drive Improvements	<i>PW-8</i>	4					250,000	250,000
<b>Financing Total</b>			<b>2,051,337</b>	<b>3,500,000</b>		<b>450,000</b>	<b>600,000</b>	<b>6,601,337</b>
<b>General Fund</b>								
Building Refurbishment Fund	<i>Admin-1</i>	4	27,500	29,000	30,500	32,000	33,500	152,500
Park Forest Pool Renewal	<i>COG-1</i>	1	33,775	33,775	33,775	33,775	33,775	168,875
Welch Pool Renewal	<i>COG-2</i>	1	56,996	56,996	56,996	56,996	56,996	284,980
Regional Parks	<i>COG-3</i>	2	119,313	119,313	119,313	119,313	119,313	596,565
Fire Equipment and Capital	<i>COG-5</i>	3	64,013	66,574	69,237	72,006	75,000	346,830
CATA Capital	<i>COG-6</i>	4	11,036	11,864	12,754	13,710	14,738	64,102
Regional Parks Maintenance Facility	<i>COG-7</i>	5	16,211	34,409	34,409	34,409	34,409	153,847
Contribution to S&A Field	<i>General-4</i>	5	10,000					10,000
Bikeway Development	<i>General-3</i>	4	9,900					9,900
Police Car Replacement	<i>PD-1</i>	6	45,000	45,000	46,000	47,000	48,000	231,000
Mobile Digital Video Recording	<i>PD-3</i>	4	18,270	6,090				24,360
Douglas Drive Ditch Improvements	<i>PW-1</i>	4	6,000	6,000	6,000	6,000	6,000	30,000
Road Equipment Replacement	<i>PW-10</i>	6	35,779	36,002	37,082	38,000	39,000	185,863
Road Resurfacing and Reconstruction	<i>PW-11</i>	6	15,000	30,000	30,000	30,000	30,000	135,000
Harpster Lane Extension (Marysville)	<i>PW-12</i>	4			45,000			45,000
Public Works Office Expansion	<i>PW-15</i>	4			10,000			10,000
Valley Vista Adaptive Traffic Signaling	<i>PW-16</i>	4	40,000	40,000	40,000	40,000		160,000
Sign Reflectivity Project	<i>PW-3</i>	1	3,000	3,000	3,000	3,000	3,000	15,000
Waddle Road Widening	<i>PW-6</i>	4		45,000				45,000
<b>General Fund Total</b>			<b>511,793</b>	<b>563,023</b>	<b>574,066</b>	<b>526,209</b>	<b>493,731</b>	<b>2,668,822</b>
<b>Grant</b>								

<b>Source</b>	<b>Project#</b>	<b>Priority</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
Bikeway Development	<i>General-3</i>	4	391,413	168,554	26,000	15,295	97,785	<i>699,047</i>
Road Equipment Replacement	<i>PW-10</i>	6	47,750	16,250				<i>64,000</i>
North Atherton Place Traffic Signal Upgrade	<i>PW-14</i>	4	50,000					<i>50,000</i>
<b>Grant Total</b>			<b>489,163</b>	<b>184,804</b>	<b>26,000</b>	<b>15,295</b>	<b>97,785</b>	<b><i>813,047</i></b>
<b>Interest</b>								
Park Construction - Local	<i>Parks-1</i>	6	700	500				<i>1,200</i>
Police Car Replacement	<i>PD-1</i>	6	50	100	100	200	250	<i>700</i>
Road Equipment Replacement	<i>PW-10</i>	6	100	100	500	500	1,000	<i>2,200</i>
Road Resurfacing and Reconstruction	<i>PW-11</i>	6	50	50	50	250	200	<i>600</i>
Homestead Farms Roadway	<i>PW-13</i>	1	50	50	50	50	50	<i>250</i>
<b>Interest Total</b>			<b>950</b>	<b>800</b>	<b>700</b>	<b>1,000</b>	<b>1,500</b>	<b><i>4,950</i></b>
<b>Liquid Fuels</b>								
Road Equipment Replacement	<i>PW-10</i>	6	65,706	66,363	67,027	64,994	66,500	<i>330,590</i>
Road Resurfacing and Reconstruction	<i>PW-11</i>	6	143,903	152,967	164,500	170,000	172,000	<i>803,370</i>
Waddle Road Widening	<i>PW-6</i>	4					100,000	<i>100,000</i>
<b>Liquid Fuels Total</b>			<b>209,609</b>	<b>219,330</b>	<b>231,527</b>	<b>234,994</b>	<b>338,500</b>	<b><i>1,233,960</i></b>
<b>Sale of Used Equipment</b>								
Road Equipment Replacement	<i>PW-10</i>	6	2,000	10,000	30,000	1,000	25,000	<i>68,000</i>
<b>Sale of Used Equipment Total</b>			<b>2,000</b>	<b>10,000</b>	<b>30,000</b>	<b>1,000</b>	<b>25,000</b>	<b><i>68,000</i></b>
<b>Special Assessment</b>								
Homestead Farms Roadway	<i>PW-13</i>	1	15,187	15,187	15,187	15,187	15,187	<i>75,935</i>
<b>Special Assessment Total</b>			<b>15,187</b>	<b>15,187</b>	<b>15,187</b>	<b>15,187</b>	<b>15,187</b>	<b><i>75,935</i></b>
<b>Traffic Mitigation Reserve Fund</b>								
Waddle Road Interchange	<i>PW-7</i>	3	35,000					<i>35,000</i>
<b>Traffic Mitigation Reserve Fund Total</b>			<b>35,000</b>					<b><i>35,000</i></b>
<b>GRAND TOTAL</b>			<b>3,669,805</b>	<b>4,804,005</b>	<b>1,194,413</b>	<b>1,566,689</b>	<b>1,900,778</b>	<b><i>13,135,690</i></b>

PATTON TOWNSHIP CAPITAL  
IMPROVEMENT PLAN

2014-2018

PROJECT DETAIL FOR PROPOSED  
CAPITAL PROJECTS AND STAFF  
ADDITIONS

**Capital Improvement Plan**  
**Patton Township, Pennsylvania**

2014 *thru* 2018

**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:** \$321,990

**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 2012 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.

<b>Prior</b>	<b>Expenditures</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
78,847	Other	50,527	45,793	47,091	41,388	58,344	243,143
<b>Total</b>	<b>Total</b>	50,527	45,793	47,091	41,388	58,344	243,143

<b>Prior</b>	<b>Funding Sources</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
156,568	General Fund	27,500	29,000	30,500	32,000	33,500	152,500
<b>Total</b>	<b>Total</b>	27,500	29,000	30,500	32,000	33,500	152,500

**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**

2014 *thru* 2018

**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:** \$381,865

**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 pay for the Welch Pool renewal set to commence in August 2009. The debt is guaranteed by local municipalities. Patton Township has guaranteed 20.54% of the total debt.

**Justification**  
 Patton Township Board of Supervisors approved this project.

<b>Prior</b>	<b>Expenditures</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
212,990	Debt Service Payments	33,775	33,775	33,775	33,775	33,775	168,875
<b>Total</b>	<b>Total</b>	<b>33,775</b>	<b>33,775</b>	<b>33,775</b>	<b>33,775</b>	<b>33,775</b>	<b>168,875</b>

<b>Prior</b>	<b>Funding Sources</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
212,990	General Fund	33,775	33,775	33,775	33,775	33,775	168,875
<b>Total</b>	<b>Total</b>	<b>33,775</b>	<b>33,775</b>	<b>33,775</b>	<b>33,775</b>	<b>33,775</b>	<b>168,875</b>

**Budget Impact/Other**  
 New amenities are provided to attract more users. Patton Township's municipal contribution to pool operations is expected to decrease dramatically.

**Capital Improvement Plan**  
**Patton Township, Pennsylvania**

2014 *thru* 2018

**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:** \$615,551

**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.

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.

<b>Prior</b>	<b>Expenditures</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
330,571	Debt Service Payments	56,996	56,996	56,996	56,996	56,996	284,980
<b>Total</b>	<b>Total</b>	56,996	56,996	56,996	56,996	56,996	284,980

<b>Prior</b>	<b>Funding Sources</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
330,571	General Fund	56,996	56,996	56,996	56,996	56,996	284,980
<b>Total</b>	<b>Total</b>	56,996	56,996	56,996	56,996	56,996	284,980

**Budget Impact/Other**

New amenities are provided to attract more users. Patton Township's municipal contribution to pool operations is expected to decrease dramatically.

**Capital Improvement Plan**  
**Patton Township, Pennsylvania**

2014 *thru* 2018

**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:** \$1,235,603

**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. Construction on Whitehall will begin in 2014 or 2015.

**Justification**

Approved by Centre Region Council of Governments General Forum

<b>Prior</b>	<b>Expenditures</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
639,038	Debt Service Payments	119,313	119,313	119,313	119,313	119,313	596,565
<b>Total</b>	<b>Total</b>	119,313	119,313	119,313	119,313	119,313	596,565

<b>Prior</b>	<b>Funding Sources</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
639,038	General Fund	119,313	119,313	119,313	119,313	119,313	596,565
<b>Total</b>	<b>Total</b>	119,313	119,313	119,313	119,313	119,313	596,565

**Budget Impact/Other**

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



**Capital Improvement Plan**  
**Patton Township, Pennsylvania**

2014 *thru* 2018

**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:** \$637,145

**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 2.5% 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.

<b>Prior</b>	<b>Expenditures</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
290,315	Equip/Vehicles/Furnishings	64,013	66,574	69,237	72,006	75,000	346,830
<b>Total</b>	<b>Total</b>	64,013	66,574	69,237	72,006	75,000	346,830

<b>Prior</b>	<b>Funding Sources</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
290,315	General Fund	64,013	66,574	69,237	72,006	75,000	346,830
<b>Total</b>	<b>Total</b>	64,013	66,574	69,237	72,006	75,000	346,830

**Budget Impact/Other**

**Capital Improvement Plan**  
**Patton Township, Pennsylvania**

2014 *thru* 2018

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

<b>Project #</b>	<b>COG-6</b>
<b>Project Name</b>	<b>CATA Capital</b>

**Total Project Cost: \$112,277**

**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.

<b>Prior</b>	<b>Expenditures</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
48,175	Equip/Vehicles/Furnishings	11,036	11,864	12,754	13,710	14,738	64,102
<b>Total</b>	<b>Total</b>	<b>11,036</b>	<b>11,864</b>	<b>12,754</b>	<b>13,710</b>	<b>14,738</b>	<b>64,102</b>

<b>Prior</b>	<b>Funding Sources</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
48,175	General Fund	11,036	11,864	12,754	13,710	14,738	64,102
<b>Total</b>	<b>Total</b>	<b>11,036</b>	<b>11,864</b>	<b>12,754</b>	<b>13,710</b>	<b>14,738</b>	<b>64,102</b>

**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**

2014 *thru* 2018

**Department** COG  
**Contact** CRPR  
**Type** Design  
**Useful Life**  
**Category** Regional Parks  
**Priority** 3 Needs More Information  
**Status** Active

**Project #** COG-7  
**Project Name** Regional Parks Maintenance Facility

**Total Project Cost: \$190,312**

**Description**  
 Centre Region Parks and Recreation for years has shared the State College Maintenance Facility. CRPR was notified a number of years ago that the facility was to be vacated and a new facility was to be built in 2013. The CRPR did not respond to SCB's request to be included in the new facility and therefore was not included in the planning of the new building where zoning was changed. When CRPR finally responded it was deemed to late to include them. Now CRPR is looking to build a new facility with an intial estimate exceeding \$2.5 million dollars. It was recommended by a consultant hired by CRPR that the new facility be located at Whitehall Road Park. At this time the COG General Forum has not reached consensus on the lbudget for the building but a total of \$165,000 was been included in the 2013 COG budget for master planning, design/development and rental of temporary space. Patton Township's share of this proposal is \$36,465. For 2014, a total municipal contribution of 72,500 is included to cover the cost of temporary rental facilities.Patton Township's share is \$16,211. For 2015 and beyond, debt service payments are estimated on a loan of \$2.55 million.

**Justification**

<b>Prior</b>	<b>Expenditures</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
36,465	Other	16,211					16,211
	Debt Service Payments		34,409	34,409	34,409	34,409	137,636
<b>Total</b>	<b>Total</b>	<b>16,211</b>	<b>34,409</b>	<b>34,409</b>	<b>34,409</b>	<b>34,409</b>	<b>153,847</b>

<b>Prior</b>	<b>Funding Sources</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
36,465	General Fund	16,211	34,409	34,409	34,409	34,409	153,847
<b>Total</b>	<b>Total</b>	<b>16,211</b>	<b>34,409</b>	<b>34,409</b>	<b>34,409</b>	<b>34,409</b>	<b>153,847</b>

**Budget Impact/Other**

**Capital Improvement Plan**  
**Patton Township, Pennsylvania**

2014 *thru* 2018

**Department** Community Services - Other

**Contact**

**Type** Other

**Useful Life**

**Category** Community

**Priority** 3 Needs More Information

**Status** Active

**Total Project Cost:** \$10,000

**Project #** General -4  
**Project Name** Contribution to S&A Field

**Description**

Ferguson Township had made a request for \$10,000 towards lighting fixtures surrounding the field, modifying the outfield and some ADA modifications to improve accessibility. Ferguson Township, State College Borough, the State College Teener League and West Penn Power have committed funds and/or in-kind support. Ferguson Township continues to solicit funds from the likes of the Silvi Foundation, Central PA Convention and Visitors Bureau, DCNR, the State College Area School District, American Legion Post 245, and other Centre Region Municipalities.

**Justification**

<b>Expenditures</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
Municipal Contributions	10,000					10,000
<b>Total</b>	<b>10,000</b>					<b>10,000</b>

<b>Funding Sources</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
General Fund	10,000					10,000
<b>Total</b>	<b>10,000</b>					<b>10,000</b>

**Budget Impact/Other**

**Capital Improvement Plan**  
**Patton Township, Pennsylvania**

2014 *thru* 2018

**Department** Community Services - Other

**Contact** Doug

**Type** Improvement

**Useful Life** 50

**Category** Open Space

**Priority** Obligated

**Status** Active

**Total Project Cost:** \$1,262,235

**Project #** General-1  
**Project Name** Open Space Acquisition/Debt Service

**Description**

On-going preservation of 466 acres of undeveloped property located in the Township. This property was acquired in 2006. This debt was refinanced in 2010 which reduced interest costs for the remainder of the borrowing life.

**Justification**

Voter approved in 2001 referendum.

<b>Prior</b>	<b>Expenditures</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
1,111,611	Debt Service Payments	150,624					150,624
<b>Total</b>	<b>Total</b>	150,624					150,624

**Prior**  
 1,295,319

**Total**

**Budget Impact/Other**

All operational costs are funded by endowment, farm rental revenue, sustainable forestry practices, and interest income. Real estate taxes are dedicated to acquisition/debt service only.

**Capital Improvement Plan**  
**Patton Township, Pennsylvania**

2014 *thru* 2018

**Department** Community Services - Other  
**Contact** Doug  
**Type** Installation  
**Useful Life** 50  
**Category** Open Space  
**Priority** 3 Needs More Information  
**Status** Pending

**Project #** General-2  
**Project Name** Open Space Acquisition - Phase 2

**Total Project Cost: \$3,500,000**

**Description**

Following the retirement of the debt incurred to acquire the Haugh Family Farm, the Township could again acquire additional lands for open space preservation. Continuation of this program was strongly supported in the 2008 Open Space/Recreation resident survey.

The Manager recommends incurring debt of no greater that \$3,500,000 which is equivalent to the inflation adjusted \$2,500,000 approved in 2001.

**Justification**

<b>Expenditures</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
Land Acquisition		3,500,000				3,500,000
<b>Total</b>		<b>3,500,000</b>				<b>3,500,000</b>

<b>Funding Sources</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
Financing		3,500,000				3,500,000
<b>Total</b>		<b>3,500,000</b>				<b>3,500,000</b>

**Budget Impact/Other**

<b>Budget Items</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>	<b>Future</b>
Debt Service payments		125,000	244,805	244,805	244,805	859,415	244,805
<b>Total</b>		<b>125,000</b>	<b>244,805</b>	<b>244,805</b>	<b>244,805</b>	<b>859,415</b>	<b>Total</b>

**Capital Improvement Plan**  
**Patton Township, Pennsylvania**

2014 *thru* 2018

**Department** Community Services - Other

**Contact**

**Type** Construction

**Useful Life** 50

**Category** Regional Programs

**Priority** 2 Beneficial

**Status** Active

**Total Project Cost:** \$733,947

<b>Project #</b>	<b>General-3</b>
<b>Project Name</b>	<b>Bikeway Development</b>

**Description**

On September 22, 2010 the Patton Township Board of Supervisors adopted the Bicycle and Pedestrian Path Planning Plan. The plan identified the top three priority projects within Patton Township as the Circleville Road bike path being the first priority followed by Little Lion Drive to Devonshire Drive as the second and finally, Benjamin Court to Bellefonte Central Rail Trail (BCRT). The Township received transportation enhancement (TE) for the completion of the top priority project and this is reflected in the financial information with the design being completed in 2013 and the construction to be completed in 2014. In 2013, Patton Township selected a design professional based on bid packets submitted and awarded a contract for \$40,035. Additional funds will be spent for a field survey of the Spadefoot Toad as well as for land acquisition. These additional costs are expected to fit within the original amount budgeted for this phase. The next two projects are planned to be completed between 2015 and 2018. The worst case scenario was assumed for funding meaning on TE funds are available which does not cover design fees. The Township, however, will continue to pursue Pennsylvania Community Transportation Initiative (PCTI) funds which provide a 100% grant for these types of projects.

**Justification**

<b>Prior</b>	<b>Expenditures</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
25,000	Land Acquisition	9,900					9,900
<b>Total</b>	Construction/Maintenance	391,413	168,554			97,785	657,752
	Planning/Design			26,000	15,295		41,295
	<b>Total</b>	<b>401,313</b>	<b>168,554</b>	<b>26,000</b>	<b>15,295</b>	<b>97,785</b>	<b>708,947</b>

<b>Prior</b>	<b>Funding Sources</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
25,000	General Fund	9,900					9,900
<b>Total</b>	Grant	391,413	168,554	26,000	15,295	97,785	699,047
	<b>Total</b>	<b>401,313</b>	<b>168,554</b>	<b>26,000</b>	<b>15,295</b>	<b>97,785</b>	<b>708,947</b>

**Budget Impact/Other**

# Capital Improvement Plan

## Patton Township, Pennsylvania

2014 *thru* 2018

**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:** \$5,887,813

**Description**

Continuing development of parkland as recommended by the Township Park Plan (1989, revised 2005). See Park Plan and Reserve fund in the Patton Township Budget Detail for additional information.

The funding into this fund is generally from a dedicated 7/10th of a mill of real estate tax. In 2010, after consideration by the Recreation Advisory Committee and approval of the Board of Supervisors, the Township borrowed \$2.1 million dollars for the advance development of Bernel Road Park. At this time, most of the dedicated real estate tax is going towards debt service payments, salary, and minor maintenance in other parks. Master planning and design of Gray's Woods park will occur in 203 but development will be on a pay as you go basis.

Although in this document, it appears there is a substantial surplus of funds however all of the dedicated taxes is included as revenue but the non-capital or operational costs of the parks are not included in the capital plan. For complete details, please see the designated reserve fund in the Township's line item detail budget.

**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	2014	2015	2016	2017	2018	Total	Future
4,120,388	Grayswoods Park	100,000					100,000	479,025
	Debt Service Payments	239,200	240,050	235,850	236,600	236,700	1,188,400	
<b>Total</b>	<b>Total</b>	<b>339,200</b>	<b>240,050</b>	<b>235,850</b>	<b>236,600</b>	<b>236,700</b>	<b>1,288,400</b>	<b>Total</b>

Prior	Funding Sources	2014	2015	2016	2017	2018	Total
4,823,075	Dedicated Real Estate Taxes	304,790	310,861	316,933	323,004	329,075	1,584,663
	Interest	700	500				1,200
<b>Total</b>	<b>Total</b>	<b>305,490</b>	<b>311,361</b>	<b>316,933</b>	<b>323,004</b>	<b>329,075</b>	<b>1,585,863</b>

**Budget Impact/Other**

Development of new parklands increases maintenance costs incurred by CRPR.



**Capital Improvement Plan**  
**Patton Township, Pennsylvania**

2014 *thru* 2018

**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:** \$428,466

**Description**

The purpose of this fund is to systematically fund the replacement and expansion of the police vehicle fleet. The fleet currently consists of 5 police cruisers, 3 detective cars (one vehicle is being loaned to the department by the District Attorney's Office), 1 SUV, 1 Chief's car, a K-9 car, a DARE 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**

<b>Prior</b>	<b>Expenditures</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
162,940	Equip/Vehicles/Furnishings	72,740	62,547	28,705	20,000	81,534	265,526
<b>Total</b>	<b>Total</b>	<b>72,740</b>	<b>62,547</b>	<b>28,705</b>	<b>20,000</b>	<b>81,534</b>	<b>265,526</b>

<b>Prior</b>	<b>Funding Sources</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
237,101	General Fund	45,000	45,000	46,000	47,000	48,000	231,000
	Interest	50	100	100	200	250	700
<b>Total</b>	<b>Total</b>	<b>45,050</b>	<b>45,100</b>	<b>46,100</b>	<b>47,200</b>	<b>48,250</b>	<b>231,700</b>

**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**

2014 *thru* 2018

**Department** Police  
**Contact** John  
**Type** Equipment  
**Useful Life** 10  
**Category** Equipment - Police  
**Priority** 2 Beneficial  
**Status** Active

**Project #** PD-3  
**Project Name** Mobile Digital Video Recording

**Total Project Cost:** \$54,981

**Description**

Mobile Digital Video Recording Units would be placed in the marked patrol vehicles in order to record police incidents. The units are generally placed above or near the rearview mirror. Audio would also be recorded. The benefits include documenting probable cause issues relating to vehicle/criminal offenses, and police/citizen contact. This will provide an indisputable record of encounters potentially resulting in a reduction of court time by officers. Officer safety might also be enhanced with vehicle recordings.

Approximate cost is \$5,700 per car, evidence software is \$2,000, server hardware and software is \$3,600, and installation is \$3,000. These will be added on the following schedule: 3 cars in 2013, 2 cars in 2014 and 1 car in 2015.

**Justification**

This proposal addresses a minor risk to employee safety. This would increase the OB by less than 0.5%. It is assumed that approximately 10-25% of Township residents would benefit from this program. It improves the quantity or quality of an existing service on a daily basis.

<b>Prior</b>	<b>Expenditures</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
30,621	Equip/Vehicles/Furnishings	18,270	6,090				24,360
<b>Total</b>	<b>Total</b>	18,270	6,090				24,360

<b>Prior</b>	<b>Funding Sources</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
30,621	General Fund	18,270	6,090				24,360
<b>Total</b>	<b>Total</b>	18,270	6,090				24,360

**Budget Impact/Other**

**Capital Improvement Plan**  
**Patton Township, Pennsylvania**

2014 *thru* 2018

**Department** Police  
**Contact**  
**Type** Other  
**Useful Life**  
**Category** Unassigned  
**Priority** 3 Needs More Information  
**Status** Active

**Project #** PD-4  
**Project Name** Staff Additions to Patrol

**Total Project Cost:** \$0

**Description**  
 One additions is proposed. For 2016. It is unlikely any outside funding would be available to offset General Fund Costs for this additional position.

**Justification**  
 Additional student housing units, 275 beds, have been added in 2013. Up to 1,000 student beds are proposed over the next several years.

**Budget Impact/Other**

Budget Items	2014	2015	2016	2017	2018	Total
Staff Cost			107,900	119,515	131,715	359,130
<b>Total</b>			<b>107,900</b>	<b>119,515</b>	<b>131,715</b>	<b>359,130</b>

**Capital Improvement Plan**  
**Patton Township, Pennsylvania**

2014 *thru* 2018

**Department** Public Works

**Contact** Brent

**Type** Construction

**Useful Life** 50

**Category** Stormwater/Drainage

**Priority** 2 Beneficial

**Status** Active

**Total Project Cost:** \$47,589

**Project #** PW-1  
**Project Name** Douglas Drive Ditch Improvements

**Description**

In 2007 the Public Works Department began a stream bank stabilization project along a drainage ditch located between Douglas Drive and Hillside Avenue. The main function of the project is to eliminate the erosion of the stream bank occurring during excessive rainfalls. Residential development within Park Forest has encroached upon this drainage system causing yard and bank erosion. This project not only protects the stream bank from excessive erosion but also maintains property values of homes located along the drainage way by keeping yards from eroding. The project consists of placing a block retainage wall along both sides of the stream bed creating an artificial stream bank that is able to withstand the erosion forces of the stormwater. Currently the proposal is to construct 50 feet of the retaining wall on each side of the ditch each year, which involves the rental of a small track-hoe for excavation and placement of the retaining wall blocks. Improvements were completed in 2008, 2009, 2001, and 2012 along Douglas Ditch Drive. Approximately 300 feet remain to be stabilized. This project should be completed in 6 years.

**Justification**

Addresses minor health and safety risk. Small increase in Operating budget. Provides new service to residents

<b>Prior</b>	<b>Expenditures</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
17,589	Construction/Maintenance	5,250	5,250	5,250	5,250	5,250	26,250
	Equip/Vehicles/Furnishings	750	750	750	750	750	3,750
<b>Total</b>	<b>Total</b>	<b>6,000</b>	<b>6,000</b>	<b>6,000</b>	<b>6,000</b>	<b>6,000</b>	<b>30,000</b>

<b>Prior</b>	<b>Funding Sources</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
17,589	General Fund	6,000	6,000	6,000	6,000	6,000	30,000
<b>Total</b>	<b>Total</b>	<b>6,000</b>	<b>6,000</b>	<b>6,000</b>	<b>6,000</b>	<b>6,000</b>	<b>30,000</b>

**Budget Impact/Other**

**Capital Improvement Plan**  
**Patton Township, Pennsylvania**

2014 *thru* 2018

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

**Project #** PW-10  
**Project Name** Road Equipment Replacement

**Total Project Cost: \$1,182,088**

**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**

<b>Prior</b>	<b>Expenditures</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
488,915	Equip/Vehicles/Furnishings	100,000	125,000	295,000	62,173	111,000	693,173
<b>Total</b>	<b>Total</b>	<b>100,000</b>	<b>125,000</b>	<b>295,000</b>	<b>62,173</b>	<b>111,000</b>	<b>693,173</b>

<b>Prior</b>	<b>Funding Sources</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
549,371	General Fund	35,779	36,002	37,082	38,000	39,000	185,863
<b>Total</b>	Grant	47,750	16,250				64,000
	Interest	100	100	500	500	1,000	2,200
	Liquid Fuels	65,706	66,363	67,027	64,994	66,500	330,590
	Sale of Used Equipment	2,000	10,000	30,000	1,000	25,000	68,000
	<b>Total</b>	<b>151,335</b>	<b>128,715</b>	<b>134,609</b>	<b>104,494</b>	<b>131,500</b>	<b>650,653</b>

**Budget Impact/Other**

**Capital Improvement Plan**  
**Patton Township, Pennsylvania**

2014 *thru* 2018

**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:** \$1,769,098

**Description**

To fund annual overlay and road reconstruction program.

Semi annual road inspection are conducted in the spring and the fall of each year to determine the quality of all road construction 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.

<b>Prior</b>	<b>Expenditures</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
757,766	Road Overlay	171,900	135,432	147,000	165,000	177,000	796,332
<b>Total</b>	Road Crew Materials	15,000	17,000	19,000	21,000	23,000	95,000
	Patching Contract	20,000	22,000	24,000	26,000	28,000	120,000
	<b>Total</b>	<b>206,900</b>	<b>174,432</b>	<b>190,000</b>	<b>212,000</b>	<b>228,000</b>	<b>1,011,332</b>

<b>Prior</b>	<b>Funding Sources</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
773,673	General Fund	15,000	30,000	30,000	30,000	30,000	135,000
<b>Total</b>	Interest	50	50	50	250	200	600
	Liquid Fuels	143,903	152,967	164,500	170,000	172,000	803,370
	<b>Total</b>	<b>158,953</b>	<b>183,017</b>	<b>194,550</b>	<b>200,250</b>	<b>202,200</b>	<b>938,970</b>

**Budget Impact/Other**

**Capital Improvement Plan**  
**Patton Township, Pennsylvania**

2014 *thru* 2018

**Department** Public Works

**Contact** Brent

**Type** Construction

**Useful Life** 50

**Category** Road Construction

**Priority** 2 Beneficial

**Status** Pending

**Total Project Cost:** \$495,000

**Project #** PW-12  
**Project Name** Harpster Lane Extension (Marysville)

**Description**

The Marysville area of Patton Township is currently accessed via Scotia Road. When the developers of Gray's Woods extended Gray's Woods Boulevard to Marywood, a right-of-way off Gray's Wood Boulevard to Harpster Lane was provided with a plan to abandon a portion of Scotia Road from Meeks Lane to Harpster Lane and provide Marysville residents access from Gray's Woods Boulevard. The residents opposed this access during the review process of the Gray's Woods Planned Community however, and the right-of-way was offered to the Township for dedication. Because of the degradation of Scotia Road from Meeks Lane to Harpster Lane, providing this access becomes even more necessary as the years go by. The PWD still performs minor repairs to this section of Scotia Road to ensure it is passable but the ride quality of the roadway has decreased to unacceptable standards for Patton Township.

**Justification**

One alternative evaluated in addition to that recommended above was reconstruction of Scotia Road (Meeks Lane to Harpster Road). The only other viable alternative to the construction of a new roadway into Marysville is the reconstruct the existing Scotia Road from Meeks Lane to Harpster Road. Over the years this roadway has deteriorated to a point that a simple overlay of the existing asphalt is not sufficient. An estimated cost per square yard of \$50.00 was utilized for the calculation resulting in an estimated construction cost of \$390,000 without the construction of the appropriate drainage facilities. Determining the extent of the drainage facilities should be further investigated during the initial phase of this project. In addition to the drainage facilities consideration should also include future maintenance costs of approximately 3,500 feet of roadway (Meeks to Harpster) versus 450 feet of roadway (Gray's Woods to Harpster). Although the recommended alternative appears to be more expensive, a more detailed analysis should be performed at the initial phase for each alternative with the consideration of future maintenance costs.

<b>Expenditures</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
Construction/Maintenance				450,000		450,000
Planning/Design			45,000			45,000
<b>Total</b>			45,000	450,000		495,000

<b>Funding Sources</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
Financing				450,000		450,000
General Fund			45,000			45,000
<b>Total</b>			45,000	450,000		495,000

**Budget Impact/Other**

**Capital Improvement Plan**  
**Patton Township, Pennsylvania**

2014 *thru* 2018

**Department** Public Works

**Contact** Brent

**Type** Improvement

**Useful Life** 25

**Category** Road Construction

**Priority** Obligated

**Status** Active

**Total Project Cost:** \$157,413

<b>Project #</b>	<b>PW-13</b>
<b>Project Name</b>	<b>Homestead Farms Roadway</b>

<b>Description</b>
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 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.

<b>Justification</b>

<b>Prior</b>	<b>Expenditures</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
13,000	Construction/Maintenance	55,713		39,350		49,350	144,413
<b>Total</b>	<b>Total</b>	55,713		39,350		49,350	144,413

<b>Prior</b>	<b>Funding Sources</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>	<b>Future</b>
60,441	Interest	50	50	50	50	50	250	75,935
<b>Total</b>	Special Assessment	15,187	15,187	15,187	15,187	15,187	75,935	<b>Total</b>
	<b>Total</b>	15,237	15,237	15,237	15,237	15,237	76,185	

<b>Budget Impact/Other</b>



**Capital Improvement Plan**  
**Patton Township, Pennsylvania**

2014 *thru* 2018

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

**Project #** PW-14  
**Project Name** North Atherton Place Traffic Signal Upgrade

**Total Project Cost:** \$50,000

**Description**

The North Atherton Place Traffic Signal Upgrade Project consists of the design, permitting, and constructions of three ADA (Americans with Disabilities Act) curb ramps, installation of LED countdown pedestrian traffic signal heads, ADA accessible push buttons, and controller modifications to accommodate the signal phase. A PennDot grant was awarded to the Township in 2013 to reimburse expenditures made by the Township for these upgrades. The value of the grant is \$50,000.

**Justification**

It has been more than 20 years since improvements have been made to this intersection. Recently, a request was made by a resident to provide ADA accessible ramps for accommodateion purposes. Modifications are necessary to this intersection to meet current ADA specifications. Improvements will be funded with a PennDot Automated Red Light Enforcement (ARLE) Grant.

<b>Expenditures</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
Construction/Maintenance	50,000					50,000
<b>Total</b>	<b>50,000</b>					<b>50,000</b>

<b>Funding Sources</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
Grant	50,000					50,000
<b>Total</b>	<b>50,000</b>					<b>50,000</b>

**Budget Impact/Other**

**Capital Improvement Plan**  
**Patton Township, Pennsylvania**

2014 *thru* 2018

**Department** Public Works  
**Contact** Brent  
**Type** Construction  
**Useful Life** 25  
**Category** Facilities  
**Priority** 2 Beneficial  
**Status** Pending

**Project #** PW-15  
**Project Name** Public Works Office Expansion

**Total Project Cost: \$10,000**

**Description**  
 Construction of new office for Assistant Engineer in the tax office storage area. This position is currently vacant and is will be reevaluated.

**Justification**  
 No current available office space

<b>Expenditures</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
Construction/Maintenance			10,000			10,000
<b>Total</b>			<b>10,000</b>			<b>10,000</b>

<b>Funding Sources</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
General Fund			10,000			10,000
<b>Total</b>			<b>10,000</b>			<b>10,000</b>

**Budget Impact/Other**  
 No long term budget impact or associated costs.

**Capital Improvement Plan**  
**Patton Township, Pennsylvania**

2014 *thru* 2018

**Department** Public Works  
**Contact** Brent  
**Type** Construction  
**Useful Life** 15  
**Category** Community  
**Priority** 2 Beneficial  
**Status** Active

**Project #** PW-16  
**Project Name** Valley Vista Adaptive Traffic Signaling

**Total Project Cost: \$160,000**

**Description**  
 Research, select and deploy next generation signal controllers along the Valley Vista Drive corridor including intersections with Carnegie Drive, Lowe's Driveway, N. Atherton Street, and Green Tech Drive.

**Justification**

<b>Expenditures</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
Construction/Maintenance		50,000	40,000	40,000		130,000
Other		10,000				10,000
Planning/Design	20,000					20,000
<b>Total</b>	<b>20,000</b>	<b>60,000</b>	<b>40,000</b>	<b>40,000</b>		<b>160,000</b>

<b>Funding Sources</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
General Fund	40,000	40,000	40,000	40,000		160,000
<b>Total</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>		<b>160,000</b>

**Budget Impact/Other**

**Capital Improvement Plan**  
**Patton Township, Pennsylvania**

2014 *thru* 2018

**Department** Public Works

**Contact** Brent

**Type** Installation

**Useful Life** 20

**Category** Traffic Signals

**Priority** 2 Beneficial

**Status** Active

**Total Project Cost:** \$100,000

<b>Project #</b>	<b>PW-2</b>
<b>Project Name</b>	<b>Traffic Signal Battery Back-up and Improvements</b>

**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

<b>Prior</b>	<b>Expenditures</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
31,693	Construction/Maintenance	2,000	2,000	36,221			40,221
	Equip/Vehicles/Furnishings	7,000	7,000	14,086			28,086
<b>Total</b>	<b>Total</b>	<b>9,000</b>	<b>9,000</b>	<b>50,307</b>			<b>68,307</b>

<b>Prior</b>	<b>Funding Sources</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
50,024	Developer Contribution	49,976					49,976
<b>Total</b>	<b>Total</b>	<b>49,976</b>					<b>49,976</b>

**Budget Impact/Other**

**Capital Improvement Plan**  
**Patton Township, Pennsylvania**

2014 *thru* 2018

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

**Project #** PW-3  
**Project Name** Sign Reflectivity Project

**Total Project Cost:** \$22,418

**Description**  
 The Public Works Department proposes to undergo a project to identify roadway signs that have lost their reflectivity and replace them as necessary. Currently the PWD replaces signs (if needed) when a section of roadway is overlaid. This project would consist of surveying the entire Township to map and collect (GIS) all roadway signs and identify which ones do not meet the reflectivity standards. It is proposed that an expenditure of \$3,000 per year be budgeted for sign replacement. The number of signs not meeting the reflectivity standards is unknown at this time. The amount spent could be less than anticipated or the duration of the project could be extended for more than two years. In any case the proposal does not request an allocation of more than \$3,000 for any one year. The initial focus will be on regulatory signage.

**Justification**

<b>Prior</b>	<b>Expenditures</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
7,418	Construction/Maintenance	3,000	3,000	3,000	3,000	3,000	15,000
<b>Total</b>	<b>Total</b>	3,000	3,000	3,000	3,000	3,000	15,000

<b>Prior</b>	<b>Funding Sources</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
7,418	General Fund	3,000	3,000	3,000	3,000	3,000	15,000
<b>Total</b>	<b>Total</b>	3,000	3,000	3,000	3,000	3,000	15,000

**Budget Impact/Other**

**Capital Improvement Plan**  
**Patton Township, Pennsylvania**

2014 *thru* 2018

**Department** Public Works  
**Contact** Brent  
**Type** Construction  
**Useful Life** 50  
**Category** Road Construction  
**Priority** 2 Beneficial  
**Status** Pending

**Project #** PW-6  
**Project Name** Waddle Road Widening

**Total Project Cost:** \$495,000

**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. In Phase I, Public Works staff will perform a field survey and prepare base mapping for the project area. The Township's traffic consultant will coordinate the base mapping to assure it meets the needs of the design software. 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, auxiliary 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 2015 for Phase I and 2018 for Phase II. Further clarification on the project timeline will occur upon final approval of the Traffic Impact Study for the Waddle Road Interchange Project.

**Justification**

<b>Expenditures</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
Construction/Maintenance					450,000	450,000
Planning/Design		45,000				45,000
<b>Total</b>		45,000			450,000	495,000

<b>Funding Sources</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
Financing					350,000	350,000
General Fund		45,000				45,000
Liquid Fuels					100,000	100,000
<b>Total</b>		45,000			450,000	495,000

**Budget Impact/Other**

<b>Budget Items</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>	<b>Future</b>
Debt Service payments					21,122	21,122	147,854
<b>Total</b>					21,122	21,122	<b>Total</b>

**Capital Improvement Plan**  
**Patton Township, Pennsylvania**

2014 *thru* 2018

**Department** Public Works

**Contact** Brent

**Type** Construction

**Useful Life** 50

**Category** Bridges

**Priority** 1 Critical

**Status** Active

**Total Project Cost:** \$3,185,000

<b>Project #</b>	<b>PW-7</b>
<b>Project Name</b>	<b>Waddle Road Interchange</b>

<b>Description</b>
The Patton Township Board of Supervisors recently partnered with the developers of Toftrees in requesting an earmark for the replacement of the Waddle Road bridge and interchange. Patton Township showed support on this effort by pledging \$1,600,000 (10% of total project cost) towards the project. Although the future expansion of Toftrees is dependent upon these interchange improvements, existing traffic currently has unacceptable levels of service on the interstate ramps creating the justification for Township support. It is proposed that the construction of this project will be 80% federal/state with 20% coming from local sources to include 10% from the developer of Toftrees and 10% from Patton Township.

<b>Justification</b>
Alternative analysis will be included as part of the project development.

<b>Prior</b>	<b>Expenditures</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
1,097,430	Other	35,000					35,000
	Planning/Design	2,052,570					2,052,570
<b>Total</b>	<b>Total</b>	<b>2,087,570</b>					<b>2,087,570</b>

<b>Prior</b>	<b>Funding Sources</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
1,098,663	Financing	2,051,337					2,051,337
	Traffic Mitigation Reserve Fund	35,000					35,000
<b>Total</b>	<b>Total</b>	<b>2,086,337</b>					<b>2,086,337</b>

<b>Budget Impact/Other</b>

<b>Prior</b>	<b>Budget Items</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>	<b>Future</b>
11,713	Debt Service payments	200,000	200,000	200,000	200,000	200,000	1,000,000	600,000
<b>Total</b>	<b>Total</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>1,000,000</b>	<b>Total</b>

**Capital Improvement Plan**  
**Patton Township, Pennsylvania**

2014 *thru* 2018

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

**Project #** PW-8  
**Project Name** Valley Vista Drive Improvements

**Total Project Cost:** \$300,101

**Description**

The scope of improvements along the Valley Vista Drive corridor is anticipated to include turning lanes and/or traffic signals as warranted at the unsignalized intersections. Phase I will consists of data collection by staff at the following intersections: Devonshire Drive, Sandy Ridge Road, Oakley Drive, Pedestrian Crossing/School Athletic Field, Amblewood Way. Staff will perform traffic data collection in the form of am and pm turning movement counts and ATR data on all approaches at the above intersections. Patton Township's traffic consultant will provide digital boards for turning movement counts and process the data collected. The consultant will then provide signal warrant and turn lane warrant analysis for all of the intersections. A capacity analysis for each intersection will also be performed using HCS for both existing and projected conditions. Sight distance evaluations will also be performed in Phase I. A report of recommended improvements will be provided as the deliverable for Phase I scheduled for 2009. Phase II, which is also proposed for 2009, will consist of a Concept Plan prepared by the consultant. Phase II consists of final design (2010) and Phase III (2011) is construction.

**Justification**

Alternative analysis will be included as part of the project development.

<b>Prior</b>	<b>Expenditures</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
50,101	Construction/Maintenance	250,000					250,000
<b>Total</b>	<b>Total</b>	250,000					250,000

<b>Prior</b>	<b>Funding Sources</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
50,101	Financing					250,000	250,000
<b>Total</b>	<b>Total</b>					250,000	250,000

**Budget Impact/Other**

<b>Budget Items</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>	<b>Future</b>
Debt Service payments					15,087	15,087	105,609
<b>Total</b>					15,087	15,087	<b>Total</b>



**Capital Improvement Plan**  
**Patton Township, Pennsylvania**

2014 *thru* 2018

**Department** Public Works  
**Contact** Brent  
**Type** Other  
**Useful Life**  
**Category** Personnel  
**Priority** 2 Beneficial  
**Status** Active

**Project #** PW-9  
**Project Name** Public Works Staff Additions

**Total Project Cost:** \$0

**Description**  
 As work requests have increased within the Township and with the reduction of seasonal employment the Public Works Department is requesting the addition of one full time Road Worker within the Department.

**Justification**  
 In response to the economic conditions within Patton Township over the past few years the Public Works Department eliminated two seasonal positions that provided assistance with spring, summer and fall operations. While new construction has slowed over the past few years resident requests for services from 2010 through 2012 have continued to increase as shown below:  
 YEARNUMBER OF WORK REQUESTS  
 2009 152  
 2010 172  
 2011 186  
 2012 234  
 2013 153 (YEAR TO DATE)  
 Note: The familiarity of our work order system by staff has also contributed to the work request increase since 2009 as well. The information is taken from Carte-Graph software.  
 Other increases in work load that we have seen as follows:  
 •Increase in brush collection amount per home. Residents have become accustomed with the monthly collection efforts and utilize this service more all year long. Our typical monthly collections has increased from two days per month to five.  
 •A number of the upcoming roadway overlay candidates are located in Park Forest Village. Due to their age we are finding that these roads are requiring additional storm sewer repairs and curb work than is typical on newer roadways with the Township.  
 •Roadway improvements within Homestead Farms. Patton Township recently took ownership of these roadways and has a 10 year schedule of improvements beginning in 2014. The work in primarily curb installation and roadway widening.  
 While the road crew continues to provide great service and response to our most visible services such as snow plowing, leaf and brush collection and overlay preparation it has required other work requests to be pushed or delayed.

**Budget Impact/Other**

Budget Items	2014	2015	2016	2017	2018	Total
Staff Cost	55,347	58,114	61,020	64,071	67,275	305,827
<b>Total</b>	<b>55,347</b>	<b>58,114</b>	<b>61,020</b>	<b>64,071</b>	<b>67,275</b>	<b>305,827</b>

PATTON TOWNSHIP

CAPITAL IMPROVEMENTS PLAN

FORECASTED EXPENDITURES-

2 014-2018

REGIONAL AND LOCAL

Current Projects

	2004	2005	2006	2007	2008	2009	2010	2011	2012	projections					
										2013	2014	2015	2016	2017	2018
<b>Operating Expenditures</b>															
Personnel Costs -Local Salaries and benefit	2,321,058	2,527,931	2,636,719	3,014,583	3,148,911	3,402,374	3,474,806	3,515,298	3,609,063	3,751,735	3,912,166	4,072,597	4,233,028	4,393,459	4,553,890
Local Operating Costs	855,144	924,930	699,815	735,985	944,231	775,400	642,979	740,741	817,648	807,913	810,023	812,133	814,243	816,353	818,463
Regional Operating Costs	563,872	629,016	930,038	979,453	1,120,652	1,078,069	1,090,639	1,445,951	1,355,221	1,368,560	1,450,904	1,533,248	1,615,592	1,697,936	1,780,280
<b>Capital Allocations</b>	3,740,074	4,081,877	4,266,572	4,730,020	5,213,794	5,255,843	5,208,424	5,701,990	5,781,932	5,928,208	6,173,093	6,417,978	6,662,863	6,907,748	7,152,633
<b>Local</b>															
409743 Allocation to Building reserve	0	10,000	5,000	10,000	20,000	23,000	17,000	22,000	24,500	26,000	27,500	29,000	30,500	32,000	33,500
410740 Police Vehicle Reserve	32,000	33,000	49,375	48,000	48,500	50,000	36,000	37,000	37,000	45,000	45,000	45,000	46,000	47,000	48,000
417741 Crime System Software	0	0	55,000	64,000	0	8,000	0	0	0	0	0	0	0	0	0
430741 PW Equipment	65,000	67,000	183,634	81,000	83,000	31,090	10,000	32,084	27,840	34,365	35,779	36,002	37,082	38,000	39,000
430750 Emergency Assistance	10,000	10,000	10,000	0	0	0	0	7,500	10,000	5,000	2,500	0	0	0	0
439430 Allocation to Traffic Mitigation	0	0	0	0	0	0	5,392	0	0	0	0	0	0	0	0
439599 Homestead Farms	0	0	0	0	0	0	0	0	45,187	15,187	15,187	15,187	15,187	15,187	15,187
439610 Road Resurfacing	137,687	169,188	141,836	151,003	38,210	5,000	0	25,000	3,500	5,000	15,000	30,000	30,000	30,000	30,000
439612 Public Works Building Improvement	0	0	5,000	7,000	0	16,667	16,000	16,000	30,154	32,187	0	0	0	0	0
439617 Douglas Ditch	0	0	0	0	0	0	1,620	0	5,395	6,000	6,000	6,000	6,000	6,000	6,000
439618 Traffic Signal Battery Backup	0	0	0	0	0	0	3,679	0	46,345	0	49,976	0	0	0	0
439619 Sign Reflectivity Project	0	0	0	0	0	0	0	3,963	2,455	3,000	3,000	3,000	3,000	3,000	3,000
439621 Waddle Road Interchange Project - transfer	0	0	0	0	0	21,000	70,000	96,000	75,000	30,000	0	0	0	0	0
439621 Waddle Road Interchange Project - Loan	0	0	0	0	0	0	0	0	271,430	676,000	2,087,570	0	0	0	0
439613 Waddle Road traffic study	0	0	0	0	0	0	0	0	0	15,000	45,000	0	0	350,000	0
439614 Valley Vista Traffic Study	0	0	0	0	0	0	3,381	11,761	9959	25,000	250,000	0	0	0	0
454610 PT Parks Dedicated Millage	274,166	241,187	254,606	266,043	284,404	277,516	284,690	282,138	294,581	298,719	304,790	310,861	316,933	323,004	329,075
L430740 LFT Equipment Replacement	0	0	0	0	55,936	53,861	51,757	52,991	64,749	61,846	63,701	64,975	66,275	67,601	68,953
L439610 LFT Road Resurfacing	0	0	0	0	81,582	142,218	99,351	133,389	158,826	143,903	152,967	164,500	170,000	175,000	175,000
Mobile Digital Video Recording	0	0	0	0	0	0	0	0	0	30,621	18,270	6,090	0	0	0
Radio Replacement (Police and PW)	0	0	0	0	0	0	0	0	77,100	39,213	0	0	0	0	0
	518,853	530,375	781,851	627,046	831,632	628,352	598,870	719,826	1,184,021	1,492,041	3,122,240	710,615	720,977	1,086,792	747,715
<b>Regional</b>															
454530 P&R Pools Capital	4,912	4,878	4,900	41,160	95,511	72,314	86,573	77,510	90,771	74,011	100,054	100,054	100,054	100,054	100,054
454532 Regional Parks	0	0	40,276	72,341	72,341	72,341	72,341	90,487	119,300	149,053	119,313	119,313	119,313	119,313	119,313
454.532 Regional Parks Maintenance Facility	0	0	0	0	0	0	0	0	0	0	27,783	27,783	27,783	27,783	27,783
454615 Fireworks	1,400	1,400	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
454617 Millbrook Marsh	0	0	0	10,000	10,000	10,000	10,000	0	0	0	0	0	0	0	0
447531 CATA Capital	9,203	8,700	8,586	9,058	9,450	9,282	9,521	9,557	9,550	10,644	11,036	11,864	12,754	13,710	14,738
COG Fire Capital	42,247	44,360	55,702	57,388	57,388	54,750	57,206	57,231	60,163	60,965	64,013	66,574	69,237	72,006	75,000
COG Building Capital	0	1,870	1,868	1,970	2,007	2,025	3,397	3,508	3,703	3,837	4,029	4,230	4,442	4,664	4,897
	164,407	79,208	165,332	210,917	247,697	221,712	230,038	239,293	284,487	299,510	327,228	330,818	334,583	338,530	342,785
<b>Minor Capital</b>															
<b>All Local</b>															
409740 Building Capital Items	16,768	8,864	6,064	22,186	6,384	16,862	6,154	15,825	14,814	18,500	11,550				
409742 landscaping	0	22,374	2,845	1,989	2,550	1,608	0	0	1,582	1,000	2,500				
401740 Capital Admin	7,015	13,313	12,537	15,855	15,990	13,221	14,875	11,625	9,947	13,000	17,612				
403740/402740 Tax Capital	0	0	0	0	0	1,348	0	500	0	0	1,800				
410740 Police	12,788	11,154	1,798	283	0	6,895	0	0	0	0	0				
410742 K-9	0	0	0	0	17,453	4,032	3,731	0	0	0	0				
413740 Community Relations	0	0	0	0	0	0	0	0	0	0	4,100				
417740 Police Records	4,949	8,206	11,105	7,281	3,369	0	8,629	0	3,852	15,313	4,000				
430740 PW Mach and Equip	22,997	13,036	17,717	15,702	39,159	5,584	2,242	1,830	0	20,000	2,500				
439 all other	0	0	0	0	18,388	39,013	75,299	4,217	2,455	3,000	3,000				
414740 Planning and Zoning	0	1,944	3,850	41,964	20,632	2,299	0	0	0	4,800	2,500				
	64,517	78,891	55,916	105,260	123,925	90,862	110,930	33,997	32,650	75,613	49,562	47,444	45,326	43,208	41,090
<b>Debt OS Debt paid off in 2014; Interchange debt bu</b>	693,535	683,925	727,889	725,730	760,439	878,475	323,497	428,969	540,066	736,840	757,795	600,495	609,545	609,545	606,258
<b>Total Budgeted/Actual Expenditures *</b>	5,181,386	5,454,276	5,997,560	6,398,973	7,177,487	7,075,244	6,471,759	7,124,075	7,823,156	8,532,212	10,429,918	8,107,351	8,373,294	8,985,823	8,890,481

0 Total Category Forecasted based on Trend Analysis