

# Capital Improvement Plan



2014-2018



# BOROUGH OF STATE COLLEGE

243 South Allen Street, State College, PA 16801-4806

May 7, 2012

Don Hahn, President of Council  
Borough of State College

Dear Mr. Hahn:

As required by Section 907 of the Home Rule Charter, I am transmitting herewith, the proposed Capital Improvement Plan for 2014-2018. The Plan recommends \$58,233,934 in capital projects over the five year program, with \$13,626,128 recommended for 2014. Capital Projects include those items that have a value of \$25,000 or higher and a useful life of six or more years. The Plan requires General Fund contributions of \$2.9M in 2014, \$1.5M in 2015, \$1.4M in 2016 and \$1.1M in 2017 and \$702,697 in 2018.

The Capital Improvement Plan is built to provide adequate investment to protect and extend the life of existing assets. First and foremost, projects that are required to maintain infrastructure of the Borough have been included in the CIP. A reasonable level of annual funding for maintaining the infrastructure is critical to the operations and the long term financial stability. While the Plan tries to balance the costs to maintain infrastructure over the full five years, unforeseen conditions sometimes necessitate modifications to the schedule that result in fluctuations in annual budgeted amounts. Failure to plan and budget adequately for these maintenance projects will likely result in higher costs and more extensive repairs in the future.

The Borough's procurement policy was previously updated to provide a \$25,000 threshold for items that are subject to bid requirements. It will be recommended that the threshold for capital improvements be increased to include new items or projects with a cost of \$50,000 or higher or a useful life of six or more years.

Over the next few weeks, Council is asked to review the proposed Plan. A public hearing is scheduled for June 3, 2013, and it is recommended that Council adopt the Plan on June 20, 2013, including any changes that are made during the review period.

Sincerely,

Thomas J. Fountaine, II  
Borough Manager

cc: Elizabeth A. Goreham, Mayor



# 2014-2018 Capital Improvement Plan



## Introduction

The five-year Capital Improvement Plan (CIP) is a collection of projects that meet the threshold of cost and scope established for the Capital Budget. Generally, the CIP includes only those items having a value of \$25,000 or higher and an estimated life of six years or longer. Eligible items include:

- Acquisition of property
- Purchase of new equipment (not covered by depreciation previously set aside and funded by the Asset Replacement Fund)
- Major rehabilitation or replacement of existing facilities or new construction
- Consulting fees for special one-time projects with a cost in excess of \$25,000

The CIP is a reasonable and practical list of projects. All of the projects included in the 2014-2018 CIP should be considered, limited only by the Borough's ability to commit funding.

First and foremost, projects that are required to maintain the infrastructure of the Borough have been included. A reasonable level of annual funding for maintaining the infrastructure is critical to the operations and the long term financial stability. While the CIP tries to balance the costs to maintain the investment in infrastructure over the full five years of the plan, unforeseen conditions at times necessitate modifications to the schedule that result in fluctuations in the CIP budget. Failure to plan and budget adequately for these maintenance projects will likely result in higher costs and more extensive repairs in the future.

A second category of projects include new projects that will address an existing problem or condition. These projects may also address a situation that is mandated by the state or federal governments.

Others fit into the category of new projects that will improve the quality of life in the community or improve business operations. These projects are desirable when funding is available or when the benefits of the project warrant funding. These projects often involve innovative approaches to service delivery and/or enhance the quality of life in the community.

Finally, the Borough receives requests from other groups for projects that will benefit the community. These are worthwhile community endeavors and often deserve support if funding is available and when the benefits justify the cost of the project.

The 2014 Budget will be presented for consideration by Council before the end

of the year and will include the funding for the first year of the CIP. Modifications to the approved CIP may be made as part of the operating budget adoption.

SCHEDULE

|                       |      |  |
|-----------------------|------|--|
| May 6 <sup>th</sup>   | ---- | Council receives Capital Improvement Plan          |
| May 13 <sup>th</sup>  | ---- | Buildings and Parks, Enterprise Fund               |
| May 20 <sup>th</sup>  | ---- | Regional & Other, Information Technology           |
| June 3 <sup>rd</sup>  | ---- | Public Hearing followed by Streets and Storm Water |
| June 10 <sup>th</sup> | ---- | Wrap-up and Final Review                           |
| June 17 <sup>th</sup> | ---- | Adoption   |

# Borough of State College

## Capital Improvement Plan 2014-2018 Summary



|  | 2014          | 2015           | 2016         | 2017          | 2018           |               |
|--|---------------|----------------|--------------|---------------|----------------|---------------|
| <b>BEGINNING UNRESERVED FUND BALANCE</b>   | \$ 25,000     | \$ 4,468,000   | \$ 2,803,000 | \$ 2,353,000  | \$ 1,394,000   |               |
| <b>REVENUES</b>                            |               |                |              |               |                | <b>Totals</b> |
| In-Lieu Payment - PSU                      | \$ 562,440    | \$ 573,689     | \$ 585,163   | \$ 596,866    | \$ 608,803     | \$ 2,926,962  |
| General Fund                               | \$ 2,922,060  | \$ 1,505,811   | \$ 1,403,837 | \$ 1,102,634  | \$ 702,697     | \$ 7,637,038  |
| Interest Earnings                          | \$ 25,000     | \$ 25,000      | \$ 30,000    | \$ 30,000     | \$ 30,000      | \$ 140,000    |
| Fund Balance - Capital Projects Fund       | \$ 225,000    | \$ 25,000      | \$ -         | \$ -          | \$ -           | \$ 250,000    |
| Designated Reserve - Capital Projects Fund | \$ -          | \$ -           | \$ -         | \$ -          | \$ -           | \$ -          |
| Asset Replacement                          | \$ 480,000    | \$ -           | \$ -         | \$ -          | \$ -           | \$ 480,000    |
| Future Debt Proceeds                       | \$ 11,184,628 | \$ 5,459,000   | \$ 395,000   | \$ -          | \$ 3,289,000   | \$ 20,327,628 |
| Future Debt Proceeds - Parking Fund        | \$ -          | \$ 2,500,000   | \$ -         | \$ 14,875,000 | \$ -           | \$ 17,375,000 |
| CDBG                                       | \$ 500,000    | \$ 250,000     | \$ 250,000   | \$ 250,000    | \$ 250,000     | \$ 1,500,000  |
| Other Contributions (Agency, Civic, etc.)  | \$ -          | \$ -           | \$ -         | \$ -          | \$ -           | \$ -          |
| Special Assessment                         | \$ -          | \$ -           | \$ -         | \$ -          | \$ -           | \$ -          |
| State Grant(s)                             | \$ 25,000     | \$ 300,000     | \$ 625,000   | \$ 250,000    | \$ -           | \$ 1,200,000  |
| Federal Grant(s)                           | \$ -          | \$ -           | \$ -         | \$ -          | \$ -           | \$ -          |
| Other Grant(s)                             | \$ -          | \$ -           | \$ -         | \$ -          | \$ -           | \$ -          |
| Sanitary Sewer Fund                        | \$ 875,000    | \$ 735,000     | \$ 800,000   | \$ 360,000    | \$ 500,000     | \$ 3,270,000  |
| Refuse Collection Fund                     | \$ -          | \$ -           | \$ -         | \$ 27,778     | \$ -           | \$ 27,778     |
| Compost Operations Fund                    | \$ -          | \$ 27,778      | \$ -         | \$ -          | \$ -           | \$ 27,778     |
| Parking Fund                               | \$ 1,270,000  | \$ 1,525,000   | \$ 450,000   | \$ 40,000     | \$ -           | \$ 3,285,000  |
| <b>TOTAL REVENUES</b>                      | \$ 18,069,128 | \$ 12,926,278  | \$ 4,539,000 | \$ 17,532,278 | \$ 5,380,500   | \$ 58,447,184 |
| <b>EXPENDITURES</b>                        |               |                |              |               |                |               |
| Streets                                    | \$ 1,604,000  | \$ 1,850,000   | \$ 1,233,000 | \$ 1,337,000  | \$ 1,283,000   | \$ 7,307,000  |
| Storm Water                                | \$ 155,000    | \$ 405,000     | \$ 50,000    | \$ 50,000     | \$ 50,000      | \$ 710,000    |
| Buildings                                  | \$ 6,872,128  | \$ 82,500      | \$ 85,000    | \$ 87,500     | \$ 87,500      | \$ 7,214,628  |
| Information Technology                     | \$ 539,500    | \$ 88,000      | \$ -         | \$ -          | \$ -           | \$ 627,500    |
| Parks                                      | \$ 192,500    | \$ 74,000      | \$ 25,000    | \$ 25,000     | \$ 25,000      | \$ 346,500    |
| Regional and Other Projects                | \$ 2,238,000  | \$ 6,754,000   | \$ 2,346,000 | \$ 1,439,000  | \$ 4,590,750   | \$ 17,367,750 |
| Enterprise Funds                           | \$ 2,025,000  | \$ 5,337,778   | \$ 1,250,000 | \$ 15,552,778 | \$ 500,000     | \$ 24,665,556 |
| RESERVE for Future Project Expenses        | \$ -          | \$ -           | \$ -         | \$ -          | \$ -           | \$ -          |
| <b>TOTAL EXPENDITURES</b>                  | \$ 13,626,128 | \$ 14,591,278  | \$ 4,989,000 | \$ 18,491,278 | \$ 6,536,250   | \$ 58,233,934 |
| Revenues less Expenditures                 | \$ 4,443,000  | \$ (1,665,000) | \$ (450,000) | \$ (959,000)  | \$ (1,155,750) |               |
| <b>ENDING UNRESERVED FUND BALANCE</b>      | \$ 4,468,000  | \$ 2,803,000   | \$ 2,353,000 | \$ 1,394,000  | \$ 238,250     |               |



STATE COLLEGE, PA

# Capital Improvement Plan

## All Projects

| Project Number | Project Title                                    | 2014 Total Expenses | 2015 Total Expenses | 2016 Total Expenses | 2017 Total Expenses | 2018 Total Expenses | Total Cost  |
|----------------|--|---------------------|---------------------|---------------------|---------------------|---------------------|-------------|
| BD015          | Municipal Building Maintenance Reserve           | \$82,500            | \$82,500            | \$85,000            | \$87,500            | \$87,500            | \$425,000   |
| BD052          | Municipal Service Facility                       | \$6,184,628         | \$0                 | \$0                 | \$0                 | \$0                 | \$6,184,628 |
| BD131          | Municipal Building Improvements                  | \$205,000           | \$0                 | \$0                 | \$0                 | \$0                 | \$205,000   |
| BD134          | Mechanics Garage CNG Upgrade                     | \$400,000           | \$0                 | \$0                 | \$0                 | \$0                 | \$400,000   |
| IT092          | Video Surveillance                               | \$225,000           | \$25,000            | \$0                 | \$0                 | \$0                 | \$250,000   |
| IT240          | Core Switch Replacement                          | \$314,500           | \$0                 | \$0                 | \$0                 | \$0                 | \$314,500   |
| IT260          | Storage Area Network (SAN)<br>Expansion/Recovery | \$0                 | \$63,000            | \$0                 | \$0                 | \$0                 | \$63,000    |
| OP053a         | West End Gateway Improvements                    | \$130,000           | \$450,000           | \$0                 | \$0                 | \$0                 | \$580,000   |
| OP053d         | West End Community Quadrangle                    | \$0                 | \$0                 | \$520,000           | \$0                 | \$0                 | \$520,000   |
| OP071          | 800 mHz Radio Replacement                        | \$450,000           | \$0                 | \$0                 | \$0                 | \$0                 | \$450,000   |

| Project Number | Project Title   | 2014 Total Expenses | 2015 Total Expenses | 2016 Total Expenses | 2017 Total Expenses | 2018 Total Expenses | Total Cost  |
|----------------|---|---------------------|---------------------|---------------------|---------------------|---------------------|-------------|
| OP121          | Energy Savings Project                                  | \$195,000           | \$75,000            | \$75,000            | \$75,000            | \$75,000            | \$495,000   |
| OP123          | Business Formation and Retention Revolving Loan Program | \$50,000            | \$0                 | \$0                 | \$0                 | \$50,000            | \$100,000   |
| OP124          | Discovery Space Capital Grant                           | \$50,000            | \$0                 | \$0                 | \$0                 | \$0                 | \$50,000    |
| OP140          | Additional Police Motorcycle                            | \$28,000            | \$0                 | \$0                 | \$0                 | \$0                 | \$28,000    |
| OP142          | Downtown Master Infrastructure Improvements             | \$335,000           | \$5,229,000         | \$751,000           | \$364,000           | \$3,289,000         | \$9,968,000 |
| OP151          | Homestead Investment Program (HIP)                      | \$1,000,000         | \$1,000,000         | \$1,000,000         | \$1,000,000         | \$1,000,000         | \$5,000,000 |
| OP254          | Zoning and Land Development Ordinance Rewrite           | \$0                 | \$0                 | \$0                 | \$0                 | \$176,750           | \$176,750   |
| PF086          | Pugh Garage Maintenance                                 | \$0                 | \$0                 | \$0                 | \$40,000            | \$0                 | \$40,000    |
| PF111          | Beaver Garage Maintenance                               | \$300,000           | \$0                 | \$0                 | \$0                 | \$0                 | \$300,000   |
| PF137          | Fraser Street Parking Garage Renovations                | \$0                 | \$1,460,000         | \$0                 | \$0                 | \$0                 | \$1,460,000 |
| PF138          | Parking Study   | \$100,000           | \$0                 | \$0                 | \$0                 | \$0                 | \$100,000   |
| PF139          | PARCS Software System Replacement                       | \$750,000           | \$0                 | \$0                 | \$0                 | \$0                 | \$750,000   |

| Project Number | Project Title                                  | 2014 Total Expenses | 2015 Total Expenses | 2016 Total Expenses | 2017 Total Expenses | 2018 Total Expenses | Total Cost   |
|----------------|--|---------------------|---------------------|---------------------|---------------------|---------------------|--------------|
| PF141          | Parking Lot Resuracing                         | \$0                 | \$30,000            | \$0                 | \$0                 | \$0                 | \$30,000     |
| PF142          | Parking Meter Upgrade                          | \$0                 | \$300,000           | \$0                 | \$0                 | \$0                 | \$300,000    |
| PF151          | Fraser/McAllister Maintenance                  | \$0                 | \$35,000            | \$450,000           | \$0                 | \$0                 | \$485,000    |
| PF152          | New Parking Garage                             | \$0                 | \$2,500,000         | \$0                 | \$14,875,000        | \$0                 | \$17,375,000 |
| PK001          | Playground Equipment                           | \$25,000            | \$49,000            | \$0                 | \$0                 | \$0                 | \$74,000     |
| PK084          | High Point Park Trail Construction             | \$52,500            | \$0                 | \$0                 | \$0                 | \$0                 | \$52,500     |
| PK141          | Fraser Street Public Space                     | \$90,000            | \$0                 | \$0                 | \$0                 | \$0                 | \$90,000     |
| PK200          | Park Land Acquisition/Improvements             | \$25,000            | \$25,000            | \$25,000            | \$25,000            | \$25,000            | \$125,000    |
| RF122          | Recycling Grants                               | \$0                 | \$277,778           | \$0                 | \$277,778           | \$0                 | \$555,556    |
| SS-1           | Sanitary Sewer Rehabilitation/Replacement      | \$500,000           | \$360,000           | \$500,000           | \$360,000           | \$500,000           | \$2,220,000  |
| SS-2           | Sanitary Sewer Inflow & Infiltration Reduction | \$375,000           | \$375,000           | \$300,000           | \$0                 | \$0                 | \$1,050,000  |
| ST001          | Street Reconstruction                          | \$0                 | \$1,040,000         | \$520,000           | \$490,000           | \$550,000           | \$2,600,000  |

| Project Number | Project Title                                     | 2014 Total Expenses | 2015 Total Expenses | 2016 Total Expenses | 2017 Total Expenses | 2018 Total Expenses | Total Cost  |
|----------------|---|---------------------|---------------------|---------------------|---------------------|---------------------|-------------|
| ST002          | Street & Alley Resurfacing/Microsurfacing         | \$325,000           | \$415,000           | \$345,000           | \$439,000           | \$365,000           | \$1,889,000 |
| ST021          | Central Business District Streetlights            | \$250,000           | \$250,000           | \$250,000           | \$250,000           | \$250,000           | \$1,250,000 |
| ST022          | Traffic Signal & Intersection Safety Improvements | \$186,000           | \$77,000            | \$50,000            | \$25,000            | \$50,000            | \$388,000   |
| ST115          | ADA Compliance Project                            | \$68,000            | \$68,000            | \$68,000            | \$68,000            | \$68,000            | \$340,000   |
| ST135          | Pugh Street Streetscape Project                   | \$775,000           | \$0                 | \$0                 | \$0                 | \$0                 | \$775,000   |
| ST941          | Bicycle Facility Improvements                     | \$0                 | \$0                 | \$0                 | \$65,000            | \$0                 | \$65,000    |
| SW031          | Memorial Field Drainage                           | \$0                 | \$200,000           | \$0                 | \$0                 | \$0                 | \$200,000   |
| SW111          | Stormwater Projects                               | \$155,000           | \$205,000           | \$50,000            | \$50,000            | \$50,000            | \$510,000   |
|                |   | \$13,626,128        | \$14,591,278        | \$4,989,000         | \$18,491,278        | \$6,536,250         |             |



## Capital Improvement Plan

### *Prioritization Categories*

#### MUST DO

- Meets legal mandate or moves Borough closer into compliance
- Eliminates or reduces hazards

#### SHOULD DO

- Advances strategic goals
- Improves efficiency or productivity
- Maintains a standard of service
- Supports economic development

#### COULD DO

- Improves service
- Facilitates new services
- Improves quality of life or aesthetic values
- Offers convenience

# CIP PROJECT SCORING

Project Number

Project Title

Division

Change from Previous CIP

| Criteria   | Possible Scores   |  |   | Project Manager Scoring | CIP Committee Scoring |
|--|---|--|---|-------------------------|-----------------------|
|  | 0   | 1  | 2   |                         |                       |
| Consistency                                      | Project is not based upon a Comprehensive Plan or does nothing to advance the Borough's strategic goals     | Project is consistent with a Comprehensive Plan but does little to advance the Borough's near-term strategic goals | Project is directly consistent with a Comprehensive Plan and advances the Borough's near-term strategic goals | <input type="text"/>    | <input type="text"/>  |
| Coordination                                     | Project will not be conducted in conjunction with another project   |  | Project will be conducted in conjunction with another project   | <input type="text"/>    | <input type="text"/>  |
| Maximum Benefit (Cost/Benefit or other Analysis) | Analysis submitted is open to questioning and/or the Project will result in slight benefits                 | Analysis submitted is credible, and the Project will result in moderate benefits                                   | Analysis submitted is credible, and the Project will result in maximum benefits                               | <input type="text"/>    | <input type="text"/>  |
| Health and Safety                                | Project would have no impact on existing public health and/or safety  | Project would increase public health and/or safety but is not an urgent, continual need or hazard                  | Project addresses an immediate, continual safety hazard or public health and/or safety need                   | <input type="text"/>    | <input type="text"/>  |
| Legally Required                                 | Project is not mandated or otherwise required by court order, judgment or agreement                         | Project would address anticipated mandates, other legal requirements or agreements                                 | Project required by federal, state or local mandate, court order, judgment or agreement                       | <input type="text"/>    | <input type="text"/>  |
| Preservation of Existing Assets                  | Project does not involve an existing asset  | Project will deter future capital or operating expenditure in an existing asset                                    | Project is critical to save the integrity of an existing asset  | <input type="text"/>    | <input type="text"/>  |
| Availability of Financing                        | No External Funding Sources currently exist   | External Funding Sources have been identified but not yet committed for 50% or more of project funds               | Project is 50% or more funded from External Funding Sources   | <input type="text"/>    | <input type="text"/>  |
| Opportunity Cost                                 | If deferred, the increase in project costs would be less than the rate of inflation                         | If deferred, the increase in project costs would be equal to inflation   | If deferred, the increase in project costs would be greater than the rate of inflation                        | <input type="text"/>    | <input type="text"/>  |
| Feasibility                                      | Project is unable to proceed due to obstacles   | Minor obstacles exist, project is not entirely ready to proceed  | Project is entirely ready to proceed, no obstacles exist  | <input type="text"/>    | <input type="text"/>  |
| Extent of Benefit                                | Project would benefit only a small percentage of citizens or particular neighborhood or area                | Project would benefit a large percentage of citizens of the Borough  | Project would benefit all of the citizens of the Borough  | <input type="text"/>    | <input type="text"/>  |
| Operating Budget Impact                          | Project would significantly increase debt service, personnel or other operating costs; or decrease revenues | Project would neither increase or decrease debt service, personnel or other operating costs or revenues            | Project would decrease debt service, personnel or other operating costs; or increase revenues                 | <input type="text"/>    | <input type="text"/>  |

# CIP PROJECT SCORING

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|                             | Possible Scores   |   |   | Project Manager Scoring | CIP Committee Scoring |
|-----------------------------|---|---|---|-------------------------|-----------------------|
| Conservation                | Project will not result in any conservation or pollution reduction  | Project will result in minimal conservation or pollution reduction, or there is no substantiation to the claims of conservation | Project will result in substantiated conservation or pollution reduction  |                         |                       |
| Environmental Impact        | Project would have a negative effect on the environmental quality of the Borough  | Project would not affect the environmental quality of the Borough   | Project would improve the environmental quality of the Borough  |                         |                       |
| Neighborhood Impact         | Project would have negative impact on the surrounding neighborhood  | Project would have no impact on the surrounding neighborhood  | Project would have positive impact on the surrounding neighborhood  |                         |                       |
| Economic Development Impact | Project would discourage or directly prevent capital investment, decrease the tax base, decrease assessed valuation or decrease job opportunities | Project would have no impact on capital investment, the tax base, assessed valuation or job opportunities                       | Project would directly result in capital investment, increased tax base, increased assessed valuation or improved job opportunities |                         |                       |
| Total:                      |   |   |   |                         |                       |



# Capital Improvement Plan

## *Streets Projects*

| Project Number | Project Title                                     | 2014 Total Expenses | 2015 Total Expenses | 2016 Total Expenses | 2017 Total Expenses | 2018 Total Expenses | Total Cost  |
|----------------|---|---------------------|---------------------|---------------------|---------------------|---------------------|-------------|
| ST001          | Street Reconstruction                             | \$0                 | \$1,040,000         | \$520,000           | \$490,000           | \$550,000           | \$2,600,000 |
| ST002          | Street & Alley Resurfacing/Microsurfacing         | \$325,000           | \$415,000           | \$345,000           | \$439,000           | \$365,000           | \$1,889,000 |
| ST021          | Central Business District Streetlights            | \$250,000           | \$250,000           | \$250,000           | \$250,000           | \$250,000           | \$1,250,000 |
| ST022          | Traffic Signal & Intersection Safety Improvements | \$186,000           | \$77,000            | \$50,000            | \$25,000            | \$50,000            | \$388,000   |
| ST115          | ADA Compliance Project                            | \$68,000            | \$68,000            | \$68,000            | \$68,000            | \$68,000            | \$340,000   |
| ST135          | Pugh Street Streetscape Project                   | \$775,000           | \$0                 | \$0                 | \$0                 | \$0                 | \$775,000   |
| ST941          | Bicycle Facility Improvements                     | \$0                 | \$0                 | \$0                 | \$65,000            | \$0                 | \$65,000    |
|                |   | \$1,604,000         | \$1,850,000         | \$1,233,000         | \$1,337,000         | \$1,283,000         |             |



# Capital Improvement Project Summary

|                       |                     |                 |
|-----------------------|---------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i> | <i>Priority</i> |
| ST001                 | Revised Submission  | Should Do       |

## *Project Title*

### Street Reconstruction

|                                 |                              |
|---------------------------------|------------------------------|
| <i>Change from Previous CIP</i> | <i>Project Location</i>      |
| Increase in Amount or Scope     | Various - See attached sheet |
| <i>Department</i>               | <i>Division</i>              |
| Public Works                    | Streets                      |

### *Project Description*

Street reconstruction is an ongoing program to upgrade deteriorated streets in which sub-base or pavement structure failures require reconstruction. (See attached list) Each project will improve drainage, provide an adequate pavement structure for present and reasonable future vehicle loads, install pedestrian ramps with detectable warning devices, improve safety and reduce annual maintenance costs. Type I reconstruction costs range from approximately \$400 to \$500 per foot depending on the width of pavement, scope of drainage, improvements and other conditions. Type II reconstruction, which requires limited pavement sub-base repair, costs range from approximately \$250 to \$275 per foot. The ranges includes mobilization and all project costs, which vary depending on the scope of the project.

The following street are recommended for reconstruction using General Fund monies:

- 2015 - Easterly Parkway from South Allen Street to South Garner Street, \$1,040,000
- 2016 - Easterly Parkway from South Garner Street to University Drive, \$520,000
- 2017 O'Bryan Lane from Westerly Parkway to Waupelani Drive, \$490,000
- 2018 - Oneida Street from Westerly Parkway to Waupelani Drive, \$550,000.

### *Statement of Need*

The selection of streets to be reconstructed or resurfaced is based on a Pavement Management Evaluation System which is completed every two years. The rating system consists of several elements, such as cracking, curb condition, rutting, potholes, drainage, patching, ride quality, and traffic volume. The sum of these elements establishes the PCI (Pavement Condition Index), and this score then forms the basis for future maintenance. The worst street sections receive a more in-depth review as to need for curb work, utility work or "in fact" whether the street can be salvaged by resurfacing. Once identified, streets rated "Serious", "Very Poor" or "Poor" are recommended for improvement(s). The amount of work recommended is limited to the number of street sections that the budget can afford. Street reconstruction is completed to upgrade deteriorated streets in which sub-base or pavement structure failures require reconstruction which generally adds value to adjacent properties, and eliminates the need for extensive maintenance for approximately 25 years.

### *Project Alternatives*

NONE



# Capital Improvement Project Summary

*Project Title*  
**Street Reconstruction**

*Impact on Operating Budget & Departments - Narrative*

Reduced street maintenance.

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                       |                       |                       |                       |                       |

*Operating Budget under Impact:*

| 2014 Funding     |           | 2015 Funding     |           | 2016 Funding     |           | 2017 Funding     |           | 2018 Funding     |           |
|------------------|-----------|------------------|-----------|------------------|-----------|------------------|-----------|------------------|-----------|
| General          | \$520,000 |
|                  |           |                  |           |                  |           |                  |           |                  |           |
|                  |           |                  |           |                  |           |                  |           |                  |           |
|                  |           |                  |           |                  |           |                  |           |                  |           |
|                  |           |                  |           |                  |           |                  |           |                  |           |
| <b>\$520,000</b> |           | <b>\$520,000</b> |           | <b>\$520,000</b> |           | <b>\$520,000</b> |           | <b>\$520,000</b> |           |

|   |             |   |
|---|-------------|---|
| Construction:                           | \$2,600,000 | <div style="border: 1px solid black; padding: 5px; display: inline-block;"><i>Total Project Costs</i></div><br><div style="border: 1px solid black; padding: 5px; display: inline-block; width: 80%; margin: 0 auto;">\$2,600,000</div> |
| Construction Contingency:               |             |   |
| Design, Engineering & Consultant Costs: |             |   |
| Equipment:                              |             |   |
| Demolition:                             |             |   |
| Software:                               |             |   |
| Other:                                  |             |   |
| Land Acquisition:                       |             |   |

| <i>Estimated Start</i> | <i>Estimated Completion</i> | <i>Estimated Useful Life</i> |
|------------------------|-----------------------------|------------------------------|
| 5/18/2013              | 11/1/2018                   | 25 years                     |

| RESURFACING      |                 |                   |                  |                    |              |                |                  |
|------------------|-----------------|-------------------|------------------|--------------------|--------------|----------------|------------------|
| Street           | From            | To                | Last Improvement | Sq. Yds. Pvmt Area | L.F. of Curb | Length of Pipe | Inlets/ Manholes |
| <b>2014</b>      |                 |                   |                  |                    |              |                |                  |
| Buckhout Street  | Beaver Ave      | Foster Avenue     | 1987             | 4842               | 325          | 32             | 2                |
| Holmes Street    | Park Avenue     | Adams Avenue      | 1990             | 2175               | 1000         | 100            | 3                |
| Osmond Street    | Corl Street     | Metz Avenue       | 1957             | 3744               | 1170         | 0              | 2                |
| Ferguson Avenue  | McKee Street    | Dead End          | 1986             | 1147               | 0            | 199            | 1                |
| Hamilton Ave     | Fraser St.      | Allen Street      | 1986             | 2713               | 700          | 0              | 1                |
| Apple Alley      | Orchard Alley   | Fairmount Avenue  | 1968, 1970       | 1733               | 0            | 0              | 1                |
| <b>Total</b>     |                 |                   |                  | <b>16354</b>       | <b>3195</b>  | <b>331</b>     | <b>10</b>        |
| <b>2015</b>      |                 |                   |                  |                    |              |                |                  |
| E. Fairmount Ave | Hetzel Street   | Glenn Alley       | 1989             | 625                | 100          | 175            | 2                |
| E. Foster Avenue | Locust Lane     | High Street       | 1983             | 4392               | 586          | 300            | 12               |
| Hetzel Street    | Beaver Avenue   | Hamilton Avenue   | 1982             | 3887               | 625          | 0              | 2                |
| High Street      | Foster Avenue   | Holly Alley       | 1985             | 400                | 60           | 120            | 3                |
| Jackson Circle   | Mitchell Avenue | Cul-de-sac        | 1953             | 880                | 100          | 0              | 0                |
| Hillcrest Ave    | Atherton Street | Allen Street      | 1987             | 3150               | 2000         | 80             | 5                |
| Beaver Ave       | High Street     | Culdesac          | 1954             | 2105               | 900          | 100            | 2                |
| New Alley        | Miller Alley    | Burrowes Street   | 1989             | 460                | 0            | 0              | 2                |
| <b>Total</b>     |                 |                   |                  | <b>15899</b>       | <b>4371</b>  | <b>775</b>     | <b>28</b>        |
| <b>2016</b>      |                 |                   |                  |                    |              |                |                  |
| Bayfield Court   | Blue Course Dr. | Cul-de-sac        | 1982             | 571                | 160          | 80             | 2                |
| McCormick Ave.   | Pugh Street     | University Drive  | 1996             | 9081               | 3000         | 515            | 6                |
| Fry Drive        | Whitehall Road  | Norma Street      | 1993             | 2320               | 900          | 330            | 3                |
| Prospect Avenue  | Atherton Street | Gill Street       | 1966             | 3325               | 850          | 350            | 6                |
| <b>Total</b>     |                 |                   |                  | <b>15297</b>       | <b>4910</b>  | <b>1275</b>    | <b>17</b>        |
| <b>2017</b>      |                 |                   |                  |                    |              |                |                  |
| S. Gill Street   | W. Foster Ave.  | W. Nittany Ave.   | 1984             | 1290               | 410          | 0              | 2                |
| Barnard Street   | W. Nittany Ave. | W. Fairmount Ave. | 1984             | 1107               | 260          | 100            | 2                |
| Allen Street     | Atherton Street | Doris Avenue      | 1994             | 7509               | 2048         | 675            | 6                |
| Irvin Avenue     | Pugh Street     | Garner Street     | 1998             | 4420               | 660          | 200            | 10               |
| Sunset Road      | Arbor Way       | Hillcrest Avenue  | 1994             | 1177               | 110          | 30             | 3                |
| <b>Total</b>     |                 |                   |                  | <b>15503</b>       | <b>3488</b>  | <b>1005</b>    | <b>23</b>        |
| <b>2018</b>      |                 |                   |                  |                    |              |                |                  |
| Pugh Street      | E.Beaver Avenue | Easterly Parkway  | 1988             | 12597              | 1650         | 2895           | 39               |
| "F" Alley        | Highland Alley  | Hamilton Avenue   | 1970             | 2893               | 0            | 0              | 0                |
| <b>Total</b>     |                 |                   |                  | <b>15490</b>       | <b>1650</b>  | <b>2895</b>    | <b>39</b>        |



# Capital Improvement Project Summary

|                       |                     |                 |
|-----------------------|---------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i> | <i>Priority</i> |
| ST002                 | Revised Submission  | Should Do       |

## *Project Title*

### Street & Alley Resurfacing/Microsurfacing

|                                 |                         |
|---------------------------------|-------------------------|
| <i>Change from Previous CIP</i> | <i>Project Location</i> |
| Increase in Amount or Scope     | Various                 |
| <i>Department</i>               | <i>Division</i>         |
| Public Works                    | Streets                 |

## *Project Description*

State College maintains approximately 48 miles of streets and 10 miles of alleys. An on-going maintenance program of crack sealing and seal coating helps extend the life of the pavement, on average for 20-25 years. Actual life cycles vary between 10 and 30 years depending upon traffic volumes and the weight of vehicles using the roadway. The current cost of street and alley resurfacing is approximately \$19/sq. yd.

Prior to a street being resurfaced, curb and gutter repairs are completed on an as-needed basis by State College crews. Crews will also replace or repair any sanitary sewer, storm sewer, storm sewer inlet or junction box, or sanitary sewer manhole prior to resurfacing. Finally, handicapped ramps are also reconstructed at intersections.

Micro-surfacing consists of the application of a thin layer of slurry seal material, which seals cracks and fills rutted pavement surfaces, thereby extending the useful life of the existing pavement by providing a sealant as well as a thin resurface coat. Slurry seals extend the useful life of the pavement about 5-8 years, and are generally completed on pavement surfaces more than 15 years old and in at least "FAIR" condition (using the Pavement Condition Index rating). A slurry seal project is carried out every other year (at a cost of approximately \$75,000) since the process is generally completed by contractors outside the area. Microsurfacing costs approximately \$4 per square yard to complete.

## *Statement of Need*

Street and alley resurfacing and microsurfacing is routine maintenance of pavement infrastructure.

## *Project Alternatives*

N/A



# Capital Improvement Project Summary

*Project Title*

**Street & Alley Resurfacing/Microsurfacing**

*Impact on Operating Budget & Departments - Narrative*

Decrease annual "patch" and emergency repair costs and achieve maximum efficiency of public funds for roadway maintenance.

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                       |                       |                       |                       |                       |

*Operating Budget under Impact:*

2014 Funding

2015 Funding

2016 Funding

2017 Funding

2018 Funding

| General | \$325,000 | General | \$415,000 | General | \$345,000 | General | \$439,000 | General | \$365,000 |
|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|         |           |         |           |         |           |         |           |         |           |
|         |           |         |           |         |           |         |           |         |           |
|         |           |         |           |         |           |         |           |         |           |
|         |           |         |           |         |           |         |           |         |           |
|         |           |         |           |         |           |         |           |         |           |

\$325,000

\$415,000

\$345,000

\$439,000

\$365,000

Construction: \$1,889,000

Construction Contingency:

Design, Engineering & Consultant Costs:

Equipment:

Demolition:

Software:

Other:

Land Acquisition:

*Total Project Costs*

\$1,889,000

*Estimated Start*

6/17/2013

*Estimated Completion*

11/16/2018

*Estimated Useful Life*

20 - 25 years



# Capital Improvement Project Summary

|                       |                     |                 |
|-----------------------|---------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i> | <i>Priority</i> |
| ST021                 | Revised Submission  | Should Do       |

|   |
|---|
| <i>Project Title</i>                          |
| <b>Central Business District Streetlights</b> |

|                                 |                           |
|---------------------------------|---------------------------|
| <i>Change from Previous CIP</i> | <i>Project Location</i>   |
| No Change                       | Central Business District |
| <i>Department</i>               | <i>Division</i>           |
| Public Works                    | Streets                   |

|                            |
|----------------------------|
| <i>Project Description</i> |
|----------------------------|

The average life expectancy of ornamental streetlights is 25-30 years. Because most of the street lights in the Central Business District were installed in the early to mid-1980s, the street light extension/replacement project addresses the need to replace those fixtures, as well as add new fixtures where needs are identified. Reconstruction of handicapped ramps to meet the new ADA guidelines will also be included with the project.

2014 \$250,000 - Install handicap ramps and replace streetlight poles, fixtures and foundations on east side of 100 Pugh Street. Install new street lights on the west side of 100 Pugh Street;

2015 \$250,000 - Install handicap ramps and replace streetlight poles, fixtures, and foundations on College Avenue from Atherton to Fraser Street and from Garner to High Street;

2016 \$250,000 - Install handicap ramps and replace streetlight poles, fixtures, and foundations on Beaver Avenues between "H" Alley and Burrowes Street;

2017 \$250,000 - Install handicap ramps and replace street light poles, fixtures and foundations on Beaver Avenue from Allen to McAllister;

2018 \$250,000 - Install handicap ramps and replace street light poles, fixtures and foundations on Pugh Street from Beaver Avenue to Nittany Avenue and on Foster Avenue from Allen Street to Pugh Street.

|                          |
|--------------------------|
| <i>Statement of Need</i> |
|--------------------------|

Street lighting enhances the safety and ambience of the Central Business District.

|                             |
|-----------------------------|
| <i>Project Alternatives</i> |
|-----------------------------|

N/A



# Capital Improvement Project Summary

*Project Title*

**Central Business District Streetlights**

*Impact on Operating Budget & Departments - Narrative*

Street light replacements will reduce energy costs and maintenance expenses. The induction fluorescent bulbs use 15% less electricity and last 12 years in comparison to high pressure sodium which lasts about 5 years.

Each additional street light will require approximately \$10 per year for maintenance and approximately \$36 per year in energy costs.

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                       |                       |                       |                       |                       |

*Operating Budget under Impact:*

2014 Funding

2015 Funding

2016 Funding

2017 Funding

2018 Funding

| CDBG | \$250,000 |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
|      |           |      |           |      |           |      |           |      |           |
|      |           |      |           |      |           |      |           |      |           |
|      |           |      |           |      |           |      |           |      |           |
|      |           |      |           |      |           |      |           |      |           |
|      |           |      |           |      |           |      |           |      |           |

\$250,000

\$250,000

\$250,000

\$250,000

\$250,000

Construction: \$875,000

Construction Contingency:

Design, Engineering & Consultant Costs:

Equipment: \$375,000

Demolition:

Software:

Other:

Land Acquisition:

*Total Project Costs*

\$1,250,000

*Estimated Start*

6/16/2004

*Estimated Completion*

11/16/2018

*Estimated Useful Life*

25 years



# Capital Improvement Project Summary

|                       |                     |                 |
|-----------------------|---------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i> | <i>Priority</i> |
| ST022                 | Revised Submission  | Must Do         |

## *Project Title*

### Traffic Signal & Intersection Safety Improvements

|                                 |                         |
|---------------------------------|-------------------------|
| <i>Change from Previous CIP</i> | <i>Project Location</i> |
| Increase in Amount or Scope     | Various locations       |
| <i>Department</i>               | <i>Division</i>         |
| Public Works                    | Streets                 |

## *Project Description*

This project is a compilation of the 2008 Comprehensive Pedestrian and Bicycle Program and the 2010 Planned Intersection Safety Improvement Plan, which recommend safety improvements at signalized and non-signalized intersections. Consultant fees are requested in years 2015 and 2017 as it is anticipated that improvements will be made in years 2014, 2016 and 2018.

2014 - Narrow the entrance of Locust Lane at Beaver Avenue to provide additional pedestrian queuing areas and decrease the occurrences of vehicles turning onto the one-way street. Due to the high pedestrian volumes, the area between the curb and sidewalk will be finished with paver blocks and not vegetation (\$75,000); implement recommendations from study of next 5 intersections (\$50,000); enhance pedestrian and bicycle crossings at Park Avenue/McKee Street with a refuge island (\$61,000).

2015 - Continue with the study of the next 5 intersections (\$25,000); install pedestrian nodes on the west side of Burrows Street at College Avenue. The project will be completed in conjunction with the streetlight replacement and handicap ramp improvements (\$52,000).

2016 - Implement recommendations from study of next 5 intersections (\$50,000).

2017 - Continue with the study of the next 5 intersections (\$25,000).

2018 - Implement recommendations from study of next 5 intersections (\$50,000).

## *Statement of Need*

This project allows State College to address and budget for needed safety improvements at intersections identified by the transportation consultant in a systematic way. Due to the high level of pedestrian crossings, a high number of bicyclists, and high number of vehicles in State College, a comprehensive program will assist in outlining needs for improvements. Additionally, State College is responsible for the installation, maintenance, operation and replacement of traffic signals, when warranted by PennDOT. Intersections in need of upgrades are determined by age of the signal, crash history, intersection deficiencies, lighting, pedestrian and bicycle amenities, including handicapped ramps, pedestrian signals, etc. When appropriate, grant money or other funding sources including Transportation Improvement Plan, Metropolitan Planning and PennDOT will be used.

## *Project Alternatives*

Traffic signal mast arms have a life expectancy of 40 years. Signals have a life expectancy of 20 years and controllers have a life expectancy of 10 years.



# Capital Improvement Project Summary

*Project Title*

**Traffic Signal & Intersection Safety Improvements**

*Impact on Operating Budget & Departments - Narrative*

Each new signal adds approximately \$300 per year in additional maintenance costs and \$500 per year in energy costs.

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                       |                       |                       |                       |                       |

*Operating Budget under Impact:*

2014 Funding

2015 Funding

2016 Funding

2017 Funding

2018 Funding

| General |           | General |          | General |          | General |          | General |          |
|---------|-----------|---------|----------|---------|----------|---------|----------|---------|----------|
|         | \$186,000 |         | \$77,000 |         | \$50,000 |         | \$25,000 |         | \$50,000 |
|         |           |         |          |         |          |         |          |         |          |
|         |           |         |          |         |          |         |          |         |          |
|         |           |         |          |         |          |         |          |         |          |
|         |           |         |          |         |          |         |          |         |          |

\$186,000

\$77,000

\$50,000

\$25,000

\$50,000

Construction: \$338,000

Construction Contingency:

Design, Engineering & Consultant Costs: \$50,000

Equipment:

Demolition:

Software:

Other:

Land Acquisition:

*Total Project Costs*

\$388,000

*Estimated Start*

6/16/2009

*Estimated Completion*

12/16/2018

*Estimated Useful Life*

40 years



# Capital Improvement Project Summary

|                       |                     |                 |
|-----------------------|---------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i> | <i>Priority</i> |
| ST115                 | Revised Submission  | Must Do         |

|                               |
|-------------------------------|
| <i>Project Title</i>          |
| <b>ADA Compliance Project</b> |

|                                 |                         |
|---------------------------------|-------------------------|
| <i>Change from Previous CIP</i> | <i>Project Location</i> |
| Increase in Amount or Scope     | All of State College    |
| <i>Department</i>               | <i>Division</i>         |
| Public Works                    | Engineering, Streets    |

|                            |
|----------------------------|
| <i>Project Description</i> |
|----------------------------|

In an effort to make all intersections within the Borough compliant with the latest ADA standards, several handicap curb ramps are replaced each year. Curb ramps are replaced as part of the yearly reconstruction and resurfacing projects. Additionally, in conjunction with the Downtown Master Plan, handicap ramps will be upgraded as projects within the downtown are developed, such as Pugh Street, Allen Street and College and Beaver Avenues.

Yearly funding of \$68,000 is requested to continue to establish compliance at other intersections that are not a part of some other project. Drainage inlets and other existing features are design hurdles and each intersection will need a detailed survey and design to determine the extent of improvement needed to comply. Engineering estimates range between \$5,000 and \$8,500 per corner, which results in costs for the intersection ranging between \$20,000 and \$34,000.

|                          |
|--------------------------|
| <i>Statement of Need</i> |
|--------------------------|

In order to comply with the most recently released standards for handicap accessibility at intersections, it will be necessary to upgrade nearly every intersection within State College. As it is not feasible to upgrade all intersections at one time, a plan has been developed to systematically work through State College until all intersections have been addressed. Many of the Central Business District intersections will be addressed with the streetlight replacement projects. Other intersections will be addresses in subsequent years of plan. The project is needed in order to comply with the latest standards for handicapped accessibility at intersections.

|                             |
|-----------------------------|
| <i>Project Alternatives</i> |
|-----------------------------|

None



# Capital Improvement Project Summary

*Project Title*  
**ADA Compliance Project**

*Impact on Operating Budget & Departments - Narrative*

N/A

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                       |                       |                       |                       |                       |

| <i>Operating Budget under Impact:</i> |          |                 |          |                 |          |                 |          |                 |          |  |  |
|---------------------------------------|----------|-----------------|----------|-----------------|----------|-----------------|----------|-----------------|----------|--|--|
| 2014 Funding                          |          | 2015 Funding    |          | 2016 Funding    |          | 2017 Funding    |          | 2018 Funding    |          |  |  |
| General                               | \$68,000 | General         | \$68,000 | General         | \$68,000 | General         | \$68,000 | General         | \$68,000 |  |  |
|                                       |          |                 |          |                 |          |                 |          |                 |          |  |  |
|                                       |          |                 |          |                 |          |                 |          |                 |          |  |  |
|                                       |          |                 |          |                 |          |                 |          |                 |          |  |  |
|                                       |          |                 |          |                 |          |                 |          |                 |          |  |  |
| <b>\$68,000</b>                       |          | <b>\$68,000</b> |          | <b>\$68,000</b> |          | <b>\$68,000</b> |          | <b>\$68,000</b> |          |  |  |

|   |           |
|---|-----------|
| Construction:                           | \$323,000 |
| Construction Contingency:               | \$17,000  |
| Design, Engineering & Consultant Costs: |           |
| Equipment:                              |           |
| Demolition:                             |           |
| Software:                               |           |
| Other:                                  |           |
| Land Acquisition:                       |           |

**Total Project Costs**  
**\$340,000**

| <i>Estimated Start</i> | <i>Estimated Completion</i> | <i>Estimated Useful Life</i> |
|------------------------|-----------------------------|------------------------------|
| 3/15/2011              | 11/15/2026                  | 25                           |



# Capital Improvement Project Summary

|                       |                     |                 |
|-----------------------|---------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i> | <i>Priority</i> |
| ST135                 | Revised Submission  | Should Do       |

|  |
|--|
| <i>Project Title</i>                   |
| <b>Pugh Street Streetscape Project</b> |

|                                 |  |
|---------------------------------|--|
| <i>Change from Previous CIP</i> | <i>Project Location</i>                  |
| Increase in Amount or Scope     | 100 block of South Pugh Street           |
| <i>Department</i>               | <i>Division</i>                          |
| Public Works                    | Engineering, Streets, Parking Facilities |

|                            |
|----------------------------|
| <i>Project Description</i> |
|----------------------------|

Loss of several large elms combined with the condition of the sidewalks and curbs along the 100 block of South Pugh Street has provided an opportunity to significantly improve the streetscape. In 2011, a landscape architect student was contracted to assist staff and the Transportation and Tree Commissions in developing a vision plan that included sidewalk treatments, revised travel lane widths, alternate parking strategies, addition of turning lanes, new street trees, installation of handicapped ramps, new streetlighting, and installation of decorative traffic signal poles. The proposed changes would be similar in nature to those completed on the 100 block of South Fraser Street.

|                          |
|--------------------------|
| <i>Statement of Need</i> |
|--------------------------|

Traffic currently backs up due to conflicts with northbound cars turning into the Pugh Street Garage and southbound cars attempting to turn left onto East Beaver Avenue. New traffic patterns that allow turning lanes onto Beaver Avenue and into Pugh Garage would alleviate these conflicts.

Recent loss of large American elms on this street has negatively impacted the character of the streetscape. Improving sidewalks and landscaping would significantly improve the streetscape and also address increased pedestrian use through the corridor.

Streetlights on the east side of the street are scheduled to be replaced. The removal of the elms now allow street lighting to be added to the west side of the street. Handicapped ramp improvements are needed at the Calder/Pugh and Pugh/Beaver intersections to meet new ADA standards. Decorative traffic signals would be of the same architectural style as the street lights.

|                             |
|-----------------------------|
| <i>Project Alternatives</i> |
|-----------------------------|

N/A





# Capital Improvement Project Summary

|                       |                     |                 |
|-----------------------|---------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i> | <i>Priority</i> |
| ST941                 | Revised Submission  | Could Do        |

|                                      |
|--------------------------------------|
| <i>Project Title</i>                 |
| <b>Bicycle Facility Improvements</b> |

|                                 |                         |
|---------------------------------|-------------------------|
| <i>Change from Previous CIP</i> | <i>Project Location</i> |
| Increase in Amount or Scope     | Various                 |
| <i>Department</i>               | <i>Division</i>         |
| Public Works                    | Streets                 |

|                            |
|----------------------------|
| <i>Project Description</i> |
|----------------------------|

Installation of bike paths and/or bike lanes at several locations throughout State College provides both transportation links and recreational opportunities. Paths that connect with existing or proposed facilities in State College, including facilities on campus or Centre Region Townships, are given priority. Funds in the Capital Fund Budget are used as local match for installation of improvements. In 2013, a covered bike rack was installed at the Library. Additional covered bike racks are planned for 2014.

|                          |
|--------------------------|
| <i>Statement of Need</i> |
|--------------------------|

Bicycling is an important mode of transportation in State College, and rising fuel costs are only expected to increase bicycle use. Installation of bike paths, lanes, and amenities will be needed to meet the demands of those who choose to bike as a main means of transportation. The recently completed Downtown Master Plan also emphasizes the need for additional bicycle infrastructure.

|                             |
|-----------------------------|
| <i>Project Alternatives</i> |
|-----------------------------|

N/A



# Capital Improvement Project Summary

*Project Title*

**Bicycle Facility Improvements**

*Impact on Operating Budget & Departments - Narrative*

Bicycle amenities have a limited amount of annual maintenance. Annual painting of bike lanes will cost about \$100 per mile. Snow removal for off-street paths cost about \$50 per mile per event.

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                       |                       |                       |                       |                       |

*Operating Budget under Impact:*

2014 Funding

2015 Funding

2016 Funding

2017 Funding

2018 Funding

|         |          |  |  |  |  |         |          |  |  |  |  |
|---------|----------|--|--|--|--|---------|----------|--|--|--|--|
| General | \$40,000 |  |  |  |  | General | \$25,000 |  |  |  |  |
|         |          |  |  |  |  |         |          |  |  |  |  |
|         |          |  |  |  |  |         |          |  |  |  |  |
|         |          |  |  |  |  |         |          |  |  |  |  |
|         |          |  |  |  |  |         |          |  |  |  |  |

\$40,000

\$0

\$0

\$25,000

\$0

Construction: \$35,000

Construction Contingency:

Design, Engineering & Consultant Costs:

Equipment: \$30,000

Demolition:

Software:

Other:

Land Acquisition:

*Total Project Costs*

\$65,000

*Estimated Start*

4/1/2011

*Estimated Completion*

12/28/2015

*Estimated Useful Life*

25 years



# Capital Improvement Plan

## *Storm Water Projects*

| Project Number | Project Title           | 2014 Total Expenses | 2015 Total Expenses | 2016 Total Expenses | 2017 Total Expenses | 2018 Total Expenses | Total Cost |
|----------------|-------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|------------|
| SW031          | Memorial Field Drainage | \$0                 | \$200,000           | \$0                 | \$0                 | \$0                 | \$200,000  |
| SW111          | Stormwater Projects     | \$155,000           | \$205,000           | \$50,000            | \$50,000            | \$50,000            | \$510,000  |
|                |                         | \$155,000           | \$405,000           | \$50,000            | \$50,000            | \$50,000            |            |



# Capital Improvement Project Summary

|  |                                     |                 |
|--|-------------------------------------|-----------------|
| <i>Project Number</i>  | <i>Request Type</i>                 | <i>Priority</i> |
| SW031  | Previously Authorized - In Progress | Could Do        |
| <i>Project Title</i>   |                                     |                 |
| Memorial Field Drainage  |                                     |                 |
| <i>Change from Previous CIP</i>  | <i>Project Location</i>             |                 |
| Decrease in Amount or Scope  | Foster/"D" Alley                    |                 |
| <i>Department</i>  | <i>Division</i>                     |                 |
| Public Works   | Storm Sewers, Engineering           |                 |
| <i>Project Description</i>   |                                     |                 |
| <p>Storm water from approximately 50 acres of State College drains into the sinkhole, and State College has completed several projects to filter and clean stormwater. For 2015, it is recommended that funds (\$200,000) be designated for permanent storm filtering improvements to the final inlets at Foster/"D" Alley and at Nittany Avenue at "D" Alley</p>              |                                     |                 |
| <i>Statement of Need</i>   |                                     |                 |
| <p>Because storm water is directly injected into a sinkhole, the storm filtering project will remove debris and other impurities from the storm water, thereby cleaning the water and helping keep the sinkhole clean and clear. Additional need is identified for the partnership between State College and SCASD to manage the stormwater that drains to Memorial Field.</p> |                                     |                 |
| <i>Project Alternatives</i>  |                                     |                 |
| N/A  |                                     |                 |



# Capital Improvement Project Summary

*Project Title*

**Memorial Field Drainage**

*Impact on Operating Budget & Departments - Narrative*

Reduced sinkhole maintenance. Increased ordinance enforcement

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                       |                       |                       |                       |                       |

*Operating Budget under Impact:*

2014 Funding

2015 Funding

2016 Funding

2017 Funding

2018 Funding

| 2014 Funding |         | 2015 Funding |  | 2016 Funding |  | 2017 Funding |  | 2018 Funding |  |
|--------------|---------|--------------|--|--------------|--|--------------|--|--------------|--|
|              | General | \$200,000    |  |              |  |              |  |              |  |
|              |         |              |  |              |  |              |  |              |  |
|              |         |              |  |              |  |              |  |              |  |
|              |         |              |  |              |  |              |  |              |  |
|              |         |              |  |              |  |              |  |              |  |

\$0

\$200,000

\$0

\$0

\$0

Construction: \$200,000

Construction Contingency:

Design, Engineering & Consultant Costs:

Equipment:

Demolition:

Software:

Other:

Land Acquisition:

*Total Project Costs*

\$200,000

*Estimated Start*

6/13/2012

*Estimated Completion*

11/13/2015

*Estimated Useful Life*

50 years



# Capital Improvement Project Summary

|                       |                     |                 |
|-----------------------|---------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i> | <i>Priority</i> |
| SW111                 | Revised Submission  | Should Do       |

## *Project Title*

### Stormwater Projects

|                                 |  |
|---------------------------------|--|
| <i>Change from Previous CIP</i> | <i>Project Location</i>                    |
| Increase in Amount or Scope     | Various Locations throughout State College |
| <i>Department</i>               | <i>Division</i>                            |
| Public Works                    | Engineering, Storm Sewers                  |

### *Project Description*

Funding for the following projects is requested:

2014 - McKee/Mitchell - inlet repair and line replacement (\$25,000);

2014 - Ferguson Avenue - install 250 lf of pipe at dead-end (\$25,000);

2014 - Taylor Street/Glenn Road - upgrade approximately 460 lf of 15" pipe to 24" pipe to eliminate surcharging and local flooding (\$65,000);

2014 - Edgewood Sinkhole - construct reverse filter (\$40,000);

2015 - Westerly Parkway Reservoir/Wetlands - install debris rack (\$25,000);

2015 - Orchard Park Basin Pipe Replacement - (\$65,000);

2015 - Bayberry install 900 lf of pipe from Saxton to Hedgerow (\$115,000).

Additionally, it is suggested that \$50,000 per year continue to be budgeted in subsequent years to systematically work through the recommendations of the report.

### *Statement of Need*

In 2011, State College began evaluating its storm sewer pipes once it was discovered that the system was starting to fail as it was reaching the end of its design life, especially for corrugated metal pipe. Inspections and evaluations began in 2011 and will continue in 2014 in order to compile a report to prioritize those areas and pipes that require attention. Although the report is not yet complete, there are several areas that have been identified as in need of replacement.

### *Project Alternatives*

Do nothing with the knowledge that nuisance flooding of uninhabited structures may still occur or that depressions/sinkholes may still form in Orchard Park basin which require repair.



# Capital Improvement Project Summary

*Project Title*

**Stormwater Projects**

*Impact on Operating Budget & Departments - Narrative*

After completion of the projects there will be a decrease in maintenance required for the replaced pipe.

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                       |                       |                       |                       |                       |

*Operating Budget under Impact:*

2014 Funding

2015 Funding

2016 Funding

2017 Funding

2018 Funding

|         |           |         |           |         |          |         |          |         |          |
|---------|-----------|---------|-----------|---------|----------|---------|----------|---------|----------|
| General | \$155,000 | General | \$205,000 | General | \$50,000 | General | \$50,000 | General | \$50,000 |
|         |           |         | \$0       |         | \$0      |         | \$0      |         | \$0      |
|         |           |         | \$0       |         | \$0      |         | \$0      |         | \$0      |
|         |           |         | \$0       |         | \$0      |         | \$0      |         | \$0      |
|         |           |         | \$0       |         | \$0      |         | \$0      |         | \$0      |

\$155,000

\$205,000

\$50,000

\$50,000

\$50,000

Construction: \$510,000

Construction Contingency:

Design, Engineering & Consultant Costs:

Equipment:

Demolition:

Software:

Other:

Land Acquisition:

*Total Project Costs*

\$510,000

*Estimated Start*

3/15/2011

*Estimated Completion*

10/15/2018

*Estimated Useful Life*

50 years



# Capital Improvement Plan

## *Buildings Projects*

| Project Number | Project Title                          | 2014 Total Expenses | 2015 Total Expenses | 2016 Total Expenses | 2017 Total Expenses | 2018 Total Expenses | Total Cost  |
|----------------|--|---------------------|---------------------|---------------------|---------------------|---------------------|-------------|
| BD015          | Municipal Building Maintenance Reserve | \$82,500            | \$82,500            | \$85,000            | \$87,500            | \$87,500            | \$425,000   |
| BD052          | Municipal Service Facility             | \$6,184,628         | \$0                 | \$0                 | \$0                 | \$0                 | \$6,184,628 |
| BD131          | Municipal Building Improvements        | \$205,000           | \$0                 | \$0                 | \$0                 | \$0                 | \$205,000   |
| BD134          | Mechanics Garage CNG Upgrade           | \$400,000           | \$0                 | \$0                 | \$0                 | \$0                 | \$400,000   |
|                |  | \$6,872,128         | \$82,500            | \$85,000            | \$87,500            | \$87,500            |             |



# Capital Improvement Project Summary

|                       |                                     |                 |
|-----------------------|-------------------------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i>                 | <i>Priority</i> |
| BD015                 | Previously Authorized - In Progress | Should Do       |

|   |
|---|
| <i>Project Title</i>                          |
| <b>Municipal Building Maintenance Reserve</b> |

|                                 |                         |
|---------------------------------|-------------------------|
| <i>Change from Previous CIP</i> | <i>Project Location</i> |
| No Change                       | 243 South Allen Street  |
| <i>Department</i>               | <i>Division</i>         |
| Public Works                    | Government Buildings    |

|                            |
|----------------------------|
| <i>Project Description</i> |
|----------------------------|

This reserve was established for the replacement of components of the Municipal Building as building they wear out and require replacement. Components are depreciated between 10 and 50 years.

|                          |
|--------------------------|
| <i>Statement of Need</i> |
|--------------------------|

Building maintenance reserves are used to fund major or unusual building repairs, including portions of remodeling, alteration and renovation projects which cannot be capitalized. A major or unusual repair is one of a significant dollar amount for which funds would not normally be available within the operating budget, and which would not be expected to recur within four years. Some examples of projects where charging expenses to building maintenance reserves may be appropriate are re-roofing, re-plumbing, replacement of roof-top HVAC equipment and interior alterations of a non-capital nature. If value is being added to the building, the expenditure would be capitalized and reserve funds would not normally be utilized.

In order to fund annual depreciation of the major building infrastructure, \$88,000 per year should be added to the reserve.

|                             |
|-----------------------------|
| <i>Project Alternatives</i> |
|-----------------------------|

Request approval of significant unbudgeted expenditures when equipment failures occur, or delay significant repairs to consider such projects in operating budget deliberations.



# Capital Improvement Project Summary

*Project Title*

**Municipal Building Maintenance Reserve**

*Impact on Operating Budget & Departments - Narrative*

The reserve levels out expenditures for the replacement of major building maintenance or systems replacement. As the building ages, significant components will reach the end of their predicted useful lives and wear out. Replacement can be addressed with a funding mechanism in place much as the Asset Replacement Fund acts as a funding source for vehicle replacements. A steady increase in the annual appropriation will bring the appropriation almost level with the annual depreciation of building systems by the end of this 5-year CIP cycle.

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                       |                       |                       |                       |                       |

*Operating Budget under Impact:*

2014 Funding

2015 Funding

2016 Funding

2017 Funding

2018 Funding

| General | \$82,500 | General | \$82,500 | General | \$85,000 | General | \$87,500 | General | \$87,500 |
|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|
|         |          |         |          |         |          |         |          |         |          |
|         |          |         |          |         |          |         |          |         |          |
|         |          |         |          |         |          |         |          |         |          |
|         |          |         |          |         |          |         |          |         |          |

\$82,500

\$82,500

\$85,000

\$87,500

\$87,500

Construction:

Construction Contingency:

Design, Engineering & Consultant Costs:

Equipment: \$425,000

Demolition:

Software:

Other:

Land Acquisition:

**Total Project Costs**

\$425,000

*Estimated Start*

*Estimated Completion*

*Estimated Useful Life*

2/1/2013

8/31/2013

10 to 50 years, depending on specific building component.



# Capital Improvement Project Summary

|                       |                                     |                 |
|-----------------------|-------------------------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i>                 | <i>Priority</i> |
| BD052                 | Previously Authorized - In Progress | Should Do       |

## *Project Title*

### Municipal Service Facility

|                                 |                         |
|---------------------------------|-------------------------|
| <i>Change from Previous CIP</i> | <i>Project Location</i> |
| No Change                       | 330 Osmond Street       |
| <i>Department</i>               | <i>Division</i>         |
| Public Works                    | Government Buildings    |

### *Project Description*

Construct new cold and heated storage buildings, wood shop and tree crew work area on the former Sheesley Concrete yard. The land development plan approved by Ferguson Township also includes a debris storage facility (formerly a separate project), rolling gate, wash bays and space for an alternative fuels refueling station. In addition, storm water improvements and new play fields included in the land development plan would benefit the neighborhood.

The project also includes \$125,000 for renovations to the floor of the vehicle maintenance garage to provide mechanics easy access to the underside of vehicles.

### *Statement of Need*

The Municipal Service Facility includes metal buildings for cold and heated storage that are 52 years old. These buildings are connected by a smaller one that houses a wood shop, tree crew work area, supplies and equipment. The three buildings are subject to periodic flooding which is damaging the buildings and the stored materials and equipment. Flooding events require the diversion of staff resources to move equipment and supplies to higher ground. The roofs of the metal buildings are in poor condition and in need of replacement.

Debris removed from storm water inlets and StormCeptors® must be disposed of at a landfill. Drying the debris under roof will eliminate water weight and reduce disposal costs. Planned storm water improvements include reactivating the Sheesley sinkhole and filtering water before it reaches the ground water recharge areas. New wash bay equipment would reduce the use of fresh water for equipment washing by ninety percent (90%) or more. The plan includes a CNG refueling station which would provide on-site refueling for CNG refuse trucks purchased in 2012.

### *Project Alternatives*

Replace roofs on existing buildings and continue to divert manpower to moving equipment when flooding is anticipated or in progress, continue to experience damage to buildings and equipment from flood waters, continue to use fresh water for washing all vehicles and pay higher disposal costs for debris removed from the storm water collection system.



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**BOROUGH OF STATE COLLEGE:MAINTENANCE FACILITY**  
**H/A #0908**  
**November 2, 2009** (Updated 2/2/2012)

**ESTIMATE NUMBER 1**  
**PHASE NUMBER 1**

**Estimate of Construction**

**1. ESTIMATE OF CONSTRUCTION COST**

|                |                           |                       |
|----------------|---------------------------|-----------------------|
|                | <i>Building</i>           | <b>\$4,047,807.14</b> |
|                | <i>Land Development</i>   | <b>\$919,133.00</b>   |
|                | <b>TOTAL CONSTRUCTION</b> | <b>\$4,966,940.14</b> |
| Inflation 2011 |                           | <b>\$248,347.01</b>   |

**2. Soft Costs**

|                                     |      |                     |
|-------------------------------------|------|---------------------|
| Professional Fees                   | 8.0% | \$397,355.21        |
| Land Development Fees/Professional  |      | \$25,000.00         |
| Reimbursable Expenses               |      | \$12,000.00         |
| Site Survey                         |      | \$3,500.00          |
| Geo-technical Soils Survey          |      | \$7,500.00          |
| Labor and Industry Permit           |      | \$15,000.00         |
| Township Zoning Permit              |      | Unknown             |
| Land Development Permits (Estimate) |      | \$400.00            |
| SWM Engineering Fees (Estimate)     |      | \$500.00            |
| Soils and Erosion Permits           |      | \$400.00            |
| Green Certification                 |      | \$20,000.00         |
| Special Commissioning/LEED          |      | \$15,000.00         |
| Inspection Fees                     |      | N/A                 |
| Asbestos Abatement                  |      | Unknown             |
| Special FF&E                        |      | Unknown             |
| Construction Contingency 7%         | 7.0% | \$347,685.81        |
| <b>Total Soft Costs</b>             |      | <b>\$844,341.02</b> |

|                                 |                       |
|---------------------------------|-----------------------|
| <b>Revised CIP number, 2012</b> | <b>\$6,184,628.17</b> |
| Financing costs?                | <b>\$125,000.00</b>   |

**3. Total Project Cost Estimate**

|  |                       |
|--|-----------------------|
|  | <b>\$6,059,628.17</b> |
|  | <b>-\$45,000.00</b>   |
|  | <b>\$6,014,628.17</b> |

|  |                       |
|--|-----------------------|
| Soft costs less const. contingency                         | \$496,655.21          |
| Total Design and Construction contingencies and inflation  | \$1,139,858.38        |
| Equipment (truck wash/revenue control/access control/cctv) | \$312,900.00          |
| Demolition   | \$95,000.00           |
| Construction   | \$4,015,214.58        |
|  | <b>\$6,059,628.17</b> |
|  | <b>\$451,655.21</b>   |

**Breakdown for CIP (\$125,000 added in 2011 for garage floor replacement)**

|  |                       |
|--|-----------------------|
| Soft Costs less Construction Contingency from F46          | \$496,655.21          |
| Design Contingency from sections below                     | \$543,825.56          |
| Equipment (truck wash/revenue control/access control/cctv) | \$312,900.00          |
| Demolition   | \$95,000.00           |
| Construction   | \$4,736,247.39        |
|  | <b>\$6,184,628.17</b> |

Note: This estimate represents hard construction costs only, and does not include soft costs.

2-SITWORK

| <b>DESCRIPTION</b>                       | <b>QTY.</b> |    | <b>UNIT \$\$</b> | <b>TOTAL</b>        |
|--|-------------|----|------------------|---------------------|
| <b>SITE DEMOLITION</b>                   |             |    |                  |                     |
| Waste Removal: New Site                  | 0           | ls | \$0.00           | By Former Owner     |
| Process Site Concrete/ Paving for Reuse  | 1           | ls | \$50,000.00      | \$50,000.00         |
| Clear and grub site                      | 1           | ls | \$5,000.00       | \$5,000.00          |
| Misc. Site Demolition                    | 1           | ls | \$10,000.00      | \$10,000.00         |
| Cut/Cap Existing Utilities               | 1           | ls | \$5,000.00       | \$5,000.00          |
| Demolish Warm/Cold Buildings             | 1           | ls | \$25,000.00      | \$25,000.00         |
| <b>Subtotal</b>                          |             |    |                  | <b>\$95,000.00</b>  |
| <b>SITE IMPROVEMENTS</b>                 |             |    |                  |                     |
| E&S Control                              | 1           | ls | \$15,000.00      | \$15,000.00         |
| Furnish / Place Topsoil                  | 600         | cu | \$25.00          | \$15,000.00         |
| Import fill/Floor level                  | 500         | cy | \$15.00          | \$7,500.00          |
| Stone Construction Entrance              | 80          | tn | \$15.00          | \$1,200.00          |
| Final Grading/Seeding                    | 1           | ls | \$20,000.00      | \$20,000.00         |
| Site Landscaping                         | 1           | ls | \$35,000.00      | \$35,000.00         |
| Controlled Entry Fence                   | 1           | ls | \$15,000.00      | \$15,000.00         |
| New Chain-link Fencing                   | 1,400       | lf | \$20.00          | \$28,000.00         |
| New Solid Wood Fence                     | 480         | lf | \$35.00          | \$16,800.00         |
| New Paving and Modifications             | 4,500       | sy | \$25.00          | \$112,500.00        |
| Site Restoration For New Utility Extens. | 1           | ls | \$8,000.00       | \$8,000.00          |
| Traffic Control Systems                  | 1           | ls | \$1,500.00       | \$1,500.00          |
| Retaining Walls at SWM Pond              | 1           | ls | \$20,000.00      | \$20,000.00         |
| Site Signage                             | 6           | ea | \$300.00         | \$1,800.00          |
| <b>Sub-total</b>                         |             |    |                  | <b>\$297,300.00</b> |
| <b>STORM WATER MANAGEMENT</b>            |             |    |                  |                     |
| Storm Sewer Piping: 15" HDPE             | 900         | lf | \$45.00          | \$40,500.00         |
| Storm Inlets                             | 8           | ea | \$1,500.00       | \$12,000.00         |
| Sinkhole Repair                          | 1           | ls | \$20,000.00      | \$20,000.00         |
| Diversion Swale                          | 1           | ls | \$5,000.00       | \$5,000.00          |
| Bio-detention Ponds                      | 3           | ea | \$7,500.00       | \$22,500.00         |
| Stormwater Detention Pond                | 1           | ls | \$30,000.00      | \$30,000.00         |
| <b>Sub-total</b>                         |             |    |                  | <b>\$130,000.00</b> |
| <b>SITE UTILITIES</b>                    |             |    |                  |                     |
| New Site Lighting                        | 20          | ea | \$1,500.00       | \$30,000.00         |
| Entry Sign Lighting                      | 1           | ea | \$500.00         | \$500.00            |
| Water Extensions                         | 500         | lf | \$45.00          | \$22,500.00         |
| Electric Service                         | 1           | ls | \$10,000.00      | \$10,000.00         |
| Sanitary Service                         | 1           | ls | \$25,000.00      | \$25,000.00         |
| Power to New Gate                        | 1           | ls | \$2,000.00       | \$2,000.00          |
| Access Control System at New Gate        | 1           | ls | \$15,000.00      | \$15,000.00         |
| Security Access Cameras                  | 1           | ls | \$15,000.00      | \$15,000.00         |
| Concrete Utility Pads (3)                | 600         | sf | \$6.00           | \$3,600.00          |
| Natural Gas Extension                    | 1           | ls | \$25,000.00      | \$25,000.00         |
| <b>Sub-total</b>                         |             |    |                  | <b>\$148,600.00</b> |
| <b>TOTAL SITE</b>                        |             |    |                  | <b>\$670,900.00</b> |
| <b>General Conditions</b>                | <b>12%</b>  |    |                  | <b>\$80,508.00</b>  |
| <b>Overhead and Profit</b>               | <b>10%</b>  |    |                  | <b>\$67,090.00</b>  |
| <b>Design Contingency</b>                | <b>15%</b>  |    |                  | <b>\$100,635.00</b> |
| <b>TOTAL CONSTRUCTION COSTS - SITE</b>   |             |    |                  | <b>\$919,133.00</b> |

**ESTIMATE OF PROBABLE CONSTRUCTION COST - BUILDING**

*Note: This estimate represents hard construction costs only, and does not include soft costs.*

| <b>DESCRIPTION</b>                      | <b>QTY.</b> |    | <b>UNIT \$\$</b> | <b>TOTAL</b>          |
|---|-------------|----|------------------|-----------------------|
| <b>OFFICE FUNCTIONS: BUILDING NO: 1</b> |             |    |                  |                       |
| New Additions: Existing Building        | 3000        | sf | \$45.00          | \$135,000.00          |
| Mechanical/HVAC                         | 3000        | sf | \$22.00          | \$66,000.00           |
| Controls/Balancing                      | 3000        | sf | \$3.00           | \$9,000.00            |
| Plumbing                                | 3000        | sf | \$2.00           | \$6,000.00            |
| New Sprinkler System                    | 3000        | sf | \$3.50           | \$10,500.00           |
| Electrical/Fire Alarm                   | 3000        | sf | \$14.00          | \$42,000.00           |
| Data/Communications                     | 3000        | sf | \$4.00           | \$12,000.00           |
| Access Control                          | 3000        | sf | \$1.00           | \$3,000.00            |
| <b>Sub-total</b>                        |             |    | <b>\$94.50</b>   | <b>\$283,500.00</b>   |
| <b>WARM MAINTENANCE BUILDING</b>        |             |    |                  |                       |
| Basic Renovations                       | 17500       | sf | \$28.00          | \$490,000.00          |
| Mechanical/HVAC                         | 17500       | sf | \$14.50          | \$253,750.00          |
| Plumbing                                | 17500       | sf | \$2.00           | \$35,000.00           |
| New Sprinkler System                    | 17500       | sf | \$3.50           | \$61,250.00           |
| Electric/Fire Alarm                     | 17500       | sf | \$10.00          | \$175,000.00          |
| Data/ Communications                    | 17500       | sf | \$1.25           | \$21,875.00           |
| Access Control                          | 17500       | sf | \$1.00           | \$17,500.00           |
| <b>Sub-total</b>                        |             |    | <b>\$60.25</b>   | <b>\$1,054,375.00</b> |
| <b>COLD MAINTENANCE BUILDING</b>        |             |    |                  |                       |
| Basic Renovations                       | 20000       | sf | \$15.00          | \$300,000.00          |
| Plumbing                                | 20000       | sf | \$2.00           | \$40,000.00           |
| Sprinkler System                        | 0           | sf | \$3.50           | \$0.00                |
| HVAC                                    | 0           | sf | \$12.00          | \$0.00                |
| Data/Communications                     | 2000        | sf | \$0.50           | \$1,000.00            |
| Electrical/Fire Alarm                   | 20000       | sf | \$5.50           | \$110,000.00          |
| Access Control                          | 20000       | sf | \$0.50           | \$10,000.00           |
| Overhang Structure                      | 4000        | sf | \$0.00           | \$0.00                |
| <b>Sub-total</b>                        |             |    | <b>\$39.00</b>   | <b>\$461,000.00</b>   |
| <b>SALT:STONE STORAGE SHEDS</b>         |             |    |                  |                       |
| Basic Building Structure                | 6300        | sf | \$38.00          | \$239,400.00          |
| Special Flooring System: Fuel Control   | 6300        | sf | \$3.00           | \$18,900.00           |
| Electrical/Power                        | 6300        | sf | \$4.00           | \$25,200.00           |
| <b>Sub-total</b>                        |             |    | <b>\$45.00</b>   | <b>\$283,500.00</b>   |
| <b>DUMPSTER STORAGE MODULES</b>         |             |    |                  |                       |
| Basic Structure                         | 900         | sf | \$30.00          | \$27,000.00           |
| Electrical/Power                        | 0           | sf | \$0.00           | \$0.00                |
| <b>Sub-total</b>                        |             |    | <b>\$30.00</b>   | <b>\$27,000.00</b>    |
| <b>WASH FACILITY</b>                    |             |    |                  |                       |
| Basic Building Enclosed                 | 4800        | sf | \$48.00          | \$230,400.00          |
| Concrete Slab/Apron                     | 80          | sf | \$6.50           | \$520.00              |
| Plumbing                                | 4800        | sf | \$2.50           | \$12,000.00           |
| Power and Controls Wash Equipment       | 4800        | sf | \$0.50           | \$2,400.00            |
| Wash Equipment                          | 0           | sf | \$0.00           | \$250,000.00          |
| <b>Sub-total</b>                        |             |    | <b>\$57.50</b>   | <b>\$495,320.00</b>   |

| <i>DESCRIPTION</i>                       | <i>QTY.</i> |    | <i>UNIT \$\$</i> | <i>TOTAL</i>          |
|--|-------------|----|------------------|-----------------------|
| <b>RECYCLE FACILITY</b>                  |             |    |                  |                       |
| Basic Building including concrete Slab   | 2100        | sf | \$45.00          | \$94,500.00           |
| Interior Module Dividers                 | 12          | ea | \$500.00         | \$6,000.00            |
| Electrical Lighting/Controls.            | 2100        | sf | \$3.00           | \$6,300.00            |
| Plumbing Connections                     | 3           | ea | \$500.00         | \$1,500.00            |
| <b>Sub-total</b>                         |             |    |                  | <b>\$0.00</b>         |
| <b>COVERED CAR COMPOUND</b>              |             |    |                  |                       |
| Basic Structure                          | 5775        | sf | \$35.00          | \$202,125.00          |
| <b>Paving</b>                            |             |    |                  |                       |
| Plumbing                                 | 5775        | sf | \$0.85           | \$4,908.75            |
| Electrical Lighting/Controls             | 5775        | sf | \$1.00           | \$5,775.00            |
| <b>Sub-total</b>                         |             |    | <b>\$36.85</b>   | <b>\$212,808.75</b>   |
| <b>DEBRIS STORAGE COVERED AREA</b>       |             |    |                  |                       |
| Basic Structure                          | 1800        | sf | \$35.00          | \$63,000.00           |
| Concrete Slab                            | 1800        |    | \$6.00           | \$10,800.00           |
| Electrical Lighting/Controls             | 1800        | sf | \$1.00           | \$1,800.00            |
| <b>Plumbing</b>                          |             |    |                  | \$0.00                |
| <b>Sub-total</b>                         |             |    |                  | <b>\$75,600.00</b>    |
| <b>PICNIC PAVILION</b>                   |             |    |                  |                       |
| Basic Structure                          | 900         | sf | \$48.00          | \$43,200.00           |
| Concrete Paving                          | 900         | sf | \$6.00           | \$5,400.00            |
| Electrical Lighting/Controls             | 900         | sf | \$1.00           | \$900.00              |
| <b>Sub-total</b>                         |             |    |                  | <b>\$49,500.00</b>    |
| <b>Soil and Mulch Storage Bins</b>       |             |    |                  |                       |
| Basic Structure                          | 400         | sf | \$30.00          | \$12,000.00           |
| <b>SUBTOTAL</b>                          |             |    |                  | <b>\$2,954,603.75</b> |
| <i>General Conditions 12%</i>            |             |    |                  | <i>\$354,552.45</i>   |
| <i>Contractors O&amp;H/Profit 10%</i>    |             |    |                  | <i>\$295,460.38</i>   |
| <i>Design Contingency 15%</i>            |             |    |                  | <i>\$443,190.56</i>   |
| <b>TOTAL CONSTRUCTION COST BUILDINGS</b> |             |    |                  | <b>\$4,047,807.14</b> |

bh/0906/docs2/estimates

|  |                      |
|--|----------------------|
| <b>Construction</b>  | <b>3,158,981.58</b>  |
| <b>Construction Contingency (incl const. contingency, design contingency, inflation)</b> | <b>891,511.37</b>    |
| <b>Design</b>  | <b>6,184,628.17</b>  |
| <b>Equipment</b>   | <b>250,000.00</b>    |
| <b>Demolition</b>  | <b>95,000.00</b>     |
| <b>Software</b>  |                      |
| <b>Other</b>   |                      |
| <b>Total</b>   | <b>10,580,121.11</b> |



# Capital Improvement Project Summary

|                       |                     |                 |
|-----------------------|---------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i> | <i>Priority</i> |
| BD131                 | Revised Submission  | Should Do       |

## *Project Title*

### Municipal Building Improvements

|                                      |  |
|--------------------------------------|--|
| <i>Change from Previous CIP</i>      | <i>Project Location</i>                              |
| Increase in Amount or Scope          | 243 South Allen Street                               |
| <i>Department</i>                    | <i>Division</i>                                      |
| Police, Administration, Public Works | Patrol, Information Technology, Government Buildings |

### *Project Description*

This project consolidates multiple projects aimed at improvements to the Municipal Building under a single umbrella. 2013 CIP projects to construct an addition to the Police Sallyport, to install a fire suppression system and upgraded HVAC system in the Technology Server Room are consolidated here as well as a project to install glass partitions and ADA door operators in the Police lobby and the lobby of the Finance/Tax/Parking suite of offices. New is the replacement of the Primary Breaker, the main incoming electrical switchgear for the Municipal Building, which should be replaced as soon as practical. A power failure in 2013 revealed that existing switchgear is obsolete and replacement equipment is not readily available.

### *Statement of Need*

The motorcycle unit and bicycles used by Police patrol officers are parked in the Sallyport, which was designed as a completely enclosed and secure area for transport of people in Police custody. A separate area would improve the security of the operation while providing a segregated space for these special patrol vehicles. The Technology Server room is sprinklered, which is far from an ideal system for electronics. A non-liquid fire suppression system is envisioned which would not, if activated, destroy the components it intends to protect. HVAC upgrades are needed to maintain proper operating temperatures in the Server room. A budget request to install glass partitions to provide a security improvement in the Police and Finance lobby areas for 2013 was deferred, and power door operators for these lobby areas are requested to improve accessibility. The obsolescence of the primary breaker became apparent in January, 2013. Replacement equipment is available now on a limited basis but will grow increasingly difficult to find. Designing and installing replacement equipment with current switchgear is recommended to minimize the chance of long-term power failures in the future.

### *Project Alternatives*

Continue to use the Sallyport for both parking and secure custody area, exposing the vehicles and officers to potential harm. Risk water destruction of server equipment and continue to struggle to maintain proper operating temperatures with existing HVAC equipment in the Technology Server room. Make no changes in the security or accessibility of the lobby areas. Make no changes in the switchgear and risk days-long power failures in the future if existing equipment fails.



# Capital Improvement Project Summary

*Project Title*

**Municipal Building Improvements**

*Impact on Operating Budget & Departments - Narrative*

This project is expected to have a minimal impact on lighting and ventilation costs as the new space in the sallyport is brought on line. There will be inspection and testing costs associated with the new fire suppression system, but those will not be known until a system is designed. The impact on energy consumption resulting from HVAC changes in the server room are unknown, as the system has not been designed.

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|

|  |         |         |         |         |
|--|---------|---------|---------|---------|
|  | \$1,500 | \$1,500 | \$1,500 | \$1,500 |
|--|---------|---------|---------|---------|

*Operating Budget under Impact:* **General**

**2014 Funding**

**2015 Funding**

**2016 Funding**

**2017 Funding**

**2018 Funding**

| General | 2014 Funding | 2015 Funding | 2016 Funding | 2017 Funding | 2018 Funding |
|---------|--------------|--------------|--------------|--------------|--------------|
| General | \$205,000    |              |              |              |              |
|         |              |              |              |              |              |
|         |              |              |              |              |              |
|         |              |              |              |              |              |
|         |              |              |              |              |              |

\$205,000

\$0

\$0

\$0

\$0

Construction: \$67,500

Construction Contingency: \$12,000

Design, Engineering & Consultant Costs: \$25,000

Equipment: \$96,500

Demolition: \$4,000

Software:

Other:

Land Acquisition:

**Total Project Costs**

\$205,000

*Estimated Start*

*Estimated Completion*

*Estimated Useful Life*

2/15/2014

8/22/2014

10 to 50 years



# Capital Improvement Project Summary

|                       |                                 |                 |
|-----------------------|---------------------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i>             | <i>Priority</i> |
| BD134                 | Previously Authorized - Pending | Should Do       |

|                                     |
|-------------------------------------|
| <i>Project Title</i>                |
| <b>Mechanics Garage CNG Upgrade</b> |

|                                 |                         |
|---------------------------------|-------------------------|
| <i>Change from Previous CIP</i> | <i>Project Location</i> |
| No Change                       | Service Facility        |
| <i>Department</i>               | <i>Division</i>         |
| Public Works                    | Government Buildings    |

|   |
|---|
| <i>Project Description</i>  |
| Retrofit the mechanics garage with gas leak detection and mitigation system required to service CNG-fueled equipment. |

|  |
|--|
| <i>Statement of Need</i>   |
| The conversion of portions of the municipal fleet to CNG fuel-sourced vehicles will require the addition of gas leak detection system and mitigation equipment in the mechanics garage. The installation would require explosion-proof door openers on seven overhead doors, lowering of existing electrical devices, and upgraded ventilation equipment to increase the air exchanges in the event of a leak. |

|   |
|---|
| <i>Project Alternatives</i>                             |
| Contract any service of these vehicles until installed. |



# Capital Improvement Project Summary

*Project Title*

**Mechanics Garage CNG Upgrade**

*Impact on Operating Budget & Departments - Narrative*

Gas leak detectors require regular calibration. It is estimated that the limited number of detectors (8-10) would require eight hours of effort every calendar quarter.

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|

|  |         |         |         |         |
|--|---------|---------|---------|---------|
|  | \$1,360 | \$1,400 | \$1,440 | \$1,480 |
|--|---------|---------|---------|---------|

*Operating Budget under Impact:* **General**

**2014 Funding**

**2015 Funding**

**2016 Funding**

**2017 Funding**

**2018 Funding**

| General   |  |  |  |  |  |  |  |  |  |
|-----------|--|--|--|--|--|--|--|--|--|
| \$400,000 |  |  |  |  |  |  |  |  |  |
|           |  |  |  |  |  |  |  |  |  |
|           |  |  |  |  |  |  |  |  |  |
|           |  |  |  |  |  |  |  |  |  |
|           |  |  |  |  |  |  |  |  |  |

\$400,000

\$0

\$0

\$0

\$0

Construction:

Construction Contingency:

Design, Engineering & Consultant Costs:

Equipment: \$400,000

Demolition:

Software:

Other:

Land Acquisition:

**Total Project Costs**

\$400,000

*Estimated Start*

*Estimated Completion*

*Estimated Useful Life*

1/1/2014

6/30/2014

15 years



# Capital Improvement Plan

## *Parks Projects*

| Project Number | Project Title                      | 2014 Total Expenses | 2015 Total Expenses | 2016 Total Expenses | 2017 Total Expenses | 2018 Total Expenses | Total Cost |
|----------------|------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|------------|
| PK001          | Playground Equipment               | \$25,000            | \$49,000            | \$0                 | \$0                 | \$0                 | \$74,000   |
| PK084          | High Point Park Trail Construction | \$52,500            | \$0                 | \$0                 | \$0                 | \$0                 | \$52,500   |
| PK141          | Fraser Street Public Space         | \$90,000            | \$0                 | \$0                 | \$0                 | \$0                 | \$90,000   |
| PK200          | Park Land Acquisition/Improvements | \$25,000            | \$25,000            | \$25,000            | \$25,000            | \$25,000            | \$125,000  |
|                |                                    | \$192,500           | \$74,000            | \$25,000            | \$25,000            | \$25,000            |            |



# Capital Improvement Project Summary

|                       |                     |                 |
|-----------------------|---------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i> | <i>Priority</i> |
| PK001                 | Revised Submission  | Must Do         |

|                             |
|-----------------------------|
| <i>Project Title</i>        |
| <b>Playground Equipment</b> |

|                                 |                         |
|---------------------------------|-------------------------|
| <i>Change from Previous CIP</i> | <i>Project Location</i> |
| Increase in Amount or Scope     | Various Parks           |
| <i>Department</i>               | <i>Division</i>         |
| Public Works                    | Parks                   |

|                            |
|----------------------------|
| <i>Project Description</i> |
|----------------------------|

Replace outdated and deteriorated play equipment. Play equipment is replaced every 10-15 years. Large play structures are scheduled for replacement as follows:

- 2014 - Smithfield Park
- 2015 - Tussyview Park (Tot Playground)

Attempts to secure grant funding to pay for part or all of the replacements or improvements will be made if available.

Park parking lots and driveways also should be seal coated to extend the life of the pavement. Lederer, Tussyview, Highpoint, Orchard, Holmes-Foster and Sunset Parks all have parking lots and would be included in this project.

|                          |
|--------------------------|
| <i>Statement of Need</i> |
|--------------------------|

Replace outdated or unsafe play equipment as well as improve playing surface.

Paved park parking lots have less traffic than most Borough streets and will typically last longer if properly maintained. Applying seal coating to the pavement should significantly increase the life of the pavement.

|                             |
|-----------------------------|
| <i>Project Alternatives</i> |
|-----------------------------|

N/A



# Capital Improvement Project Summary

*Project Title*

**Playground Equipment**

*Impact on Operating Budget & Departments - Narrative*

Public Work's labor force will be required to prepare the play pits for the installation of new equipment.

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                       |                       |                       |                       |                       |

*Operating Budget under Impact:* **General**

**2014 Funding**

**2015 Funding**

**2016 Funding**

**2017 Funding**

**2018 Funding**

| General |          |
|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|
|         | \$25,000 |         | \$49,000 |         | \$20,000 |         | \$21,000 |         | \$21,000 |
|         |          |         |          |         |          |         |          |         |          |
|         |          |         |          |         |          |         |          |         |          |
|         |          |         |          |         |          |         |          |         |          |
|         |          |         |          |         |          |         |          |         |          |

**\$25,000**

**\$49,000**

**\$20,000**

**\$21,000**

**\$21,000**

Construction: **\$36,000**

Construction Contingency:

Design, Engineering & Consultant Costs:

Equipment: **\$38,000**

Demolition:

Software:

Other:

Land Acquisition:

**Total Project Costs**

**\$74,000**

*Estimated Start*

**1/1/2014**

*Estimated Completion*

**12/30/2018**

*Estimated Useful Life*

**10 to 15 years**



# Capital Improvement Project Summary

|                       |                     |                 |
|-----------------------|---------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i> | <i>Priority</i> |
| PK084                 | Revised Submission  | Could Do        |

|   |
|---|
| <i>Project Title</i>                      |
| <b>High Point Park Trail Construction</b> |

|                                 |                         |
|---------------------------------|-------------------------|
| <i>Change from Previous CIP</i> | <i>Project Location</i> |
| No Change                       | High Point Park         |
| <i>Department</i>               | <i>Division</i>         |
| Public Works                    | Parks                   |

|                            |
|----------------------------|
| <i>Project Description</i> |
|----------------------------|

High Point Park has several features including a paved parking lot, baseball field, basketball court and tennis court. However, no official trails currently exist in the Park that link all of these facilities. It is proposed to construct a ADA compatible surfaced, quarter mile loop trail that links the parking lot to all or most of the park facilities. This trail would be constructed to accommodate people with disabilities. Spur trails are also proposed to connect the loop trail to the public walk along Stratford Drive and also improve access to the planned Park along Whitehall Road.

|                          |
|--------------------------|
| <i>Statement of Need</i> |
|--------------------------|

High Point Park does not currently have an accessible path from the parking lot or from Stratford Drive to the various park features.

|                             |
|-----------------------------|
| <i>Project Alternatives</i> |
|-----------------------------|

N/A





# Capital Improvement Project Summary

|                       |                     |                 |
|-----------------------|---------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i> | <i>Priority</i> |
| PK141                 | Revised Submission  | Should Do       |

|                                   |
|-----------------------------------|
| <i>Project Title</i>              |
| <b>Fraser Street Public Space</b> |

|                                 |  |
|---------------------------------|--|
| <i>Change from Previous CIP</i> | <i>Project Location</i>                      |
| No Change                       | Fraser Street and Beaver Avenue Intersection |
| <i>Department</i>               | <i>Division</i>                              |
| Public Works                    | Streets, Parks                               |

|                            |
|----------------------------|
| <i>Project Description</i> |
|----------------------------|

When the 100 block of Fraser Street was reconstructed in 2011, the alignment at Beaver Avenue was changed to eliminate the offset intersection. The realignment created a significant public space on the northeast corner of the intersection. A landscape architect was hired to develop a concept plan to determine the best use for this space. After gathering public input through a design charrette approach, the landscape architect created a concept design for a raised plaza suited for seating and outdoor events. Space accommodations for art or sculptures were also included.

In 2014, it is proposed to finalize the design, develop construction documents and place the project out for bid.

|                          |
|--------------------------|
| <i>Statement of Need</i> |
|--------------------------|

Public gathering spaces and park-like settings are limited in the Central Business District. Providing pedestrian scale amenities will encourage best use of the space. The proposal is supported by recommendations in the Downtown Master Plan.

|                             |
|-----------------------------|
| <i>Project Alternatives</i> |
|-----------------------------|

N/A





# Capital Improvement Project Summary

|                       |                                     |                 |
|-----------------------|-------------------------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i>                 | <i>Priority</i> |
| PK200                 | Previously Authorized - In Progress | Could Do        |

|   |
|---|
| <i>Project Title</i>                      |
| <b>Park Land Acquisition/Improvements</b> |

|                                 |                            |
|---------------------------------|----------------------------|
| <i>Change from Previous CIP</i> | <i>Project Location</i>    |
| No Change                       | Various Parks & Facilities |
| <i>Department</i>               | <i>Division</i>            |
| Public Works                    | Parks                      |

|                            |
|----------------------------|
| <i>Project Description</i> |
|----------------------------|

This appropriation is included to provide funds for parkland acquisition and/or improvements as the need is determined. Without these funds, we may not be able to take advantage of state/federal grants which require a local match. As future projects are identified, they will be brought to Council for approval.

|                          |
|--------------------------|
| <i>Statement of Need</i> |
|--------------------------|

Used as a match for various grants and to provide funds for Regional projects and facilities.

|                             |
|-----------------------------|
| <i>Project Alternatives</i> |
|-----------------------------|

N/A



# Capital Improvement Project Summary

*Project Title*

**Park Land Acquisition/Improvements**

*Impact on Operating Budget & Departments - Narrative*

N/A

2014 Operating Impact    2015 Operating Impact    2016 Operating Impact    2017 Operating Impact    2018 Operating Impact

*Operating Budget under Impact:*

2014 Funding    2015 Funding    2016 Funding    2017 Funding    2018 Funding

| General | \$25,000 |
|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|
|         |          |         |          |         |          |         |          |         |          |
|         |          |         |          |         |          |         |          |         |          |
|         |          |         |          |         |          |         |          |         |          |
|         |          |         |          |         |          |         |          |         |          |

\$25,000    \$25,000    \$25,000    \$25,000    \$25,000

|   |           |
|---|-----------|
| Construction:                           | \$125,000 |
| Construction Contingency:               |           |
| Design, Engineering & Consultant Costs: |           |
| Equipment:                              |           |
| Demolition:                             |           |
| Software:                               |           |
| Other:                                  |           |
| Land Acquisition:                       |           |

**Total Project Costs**  
\$125,000

|                        |                             |                              |
|------------------------|-----------------------------|------------------------------|
| <i>Estimated Start</i> | <i>Estimated Completion</i> | <i>Estimated Useful Life</i> |
| 1/1/2014               | 12/30/2018                  | N/A                          |



# Capital Improvement Plan

## *Information Technology Projects*

| Project Number | Project Title                                    | 2014 Total Expenses | 2015 Total Expenses | 2016 Total Expenses | 2017 Total Expenses | 2018 Total Expenses | Total Cost |
|----------------|--|---------------------|---------------------|---------------------|---------------------|---------------------|------------|
| IT092          | Video Surveillance                               | \$225,000           | \$25,000            | \$0                 | \$0                 | \$0                 | \$250,000  |
| IT240          | Core Switch Replacement                          | \$314,500           | \$0                 | \$0                 | \$0                 | \$0                 | \$314,500  |
| IT260          | Storage Area Network (SAN)<br>Expansion/Recovery | \$0                 | \$63,000            | \$0                 | \$0                 | \$0                 | \$63,000   |
|                |  | \$539,500           | \$88,000            | \$0                 | \$0                 | \$0                 |            |



# Capital Improvement Project Summary

|                       |                                     |                 |
|-----------------------|-------------------------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i>                 | <i>Priority</i> |
| IT092                 | Previously Authorized - In Progress | Should Do       |

## *Project Title*

### Video Surveillance

|                                 |  |
|---------------------------------|--|
| <i>Change from Previous CIP</i> | <i>Project Location</i>                          |
| No Change                       | Government Buildings, Downtown and the Highlands |
| <i>Department</i>               | <i>Division</i>                                  |
| Administration, Police          | Information Technology                           |

### *Project Description*

Upgrade and expand the video surveillance capabilities for State College by consolidating all video recording onto one central system (this is currently done on three separate video systems). In conjunction with this consolidation, the project includes replacement and the purchase of additional cameras for the Municipal Building, parking garages, as well as public areas. The initial focus for the public areas includes Central Business District and areas of high activity in the Highlands.

### *Statement of Need*

Video surveillance systems have become commonplace in both public and private areas. Such video surveillance systems have proven to have a noticeable impact on solving crime and in some cases deterring crime. These systems are not only valuable from a crime solving standpoint but, during times of very tight budgets, can be a more cost effective way to monitor numerous areas of our community. The multiple camera systems currently in place are extremely outdated, difficult to manage and support, and produces very low-quality video files. Moving toward better picture and video quality also necessitates more storage space. The current systems can not accommodate any additional cameras or an expandable storage solution.

### *Project Alternatives*

It is feasible to implement the base infrastructure and then roll out camera installations as separate projects. However, there are project and contractor savings by maintaining this as one project. As well, done as one project, we can be more assured of keeping equipment types standard across the installation which lowers costs of management and support.



# Capital Improvement Project Summary

*Project Title*

**Video Surveillance**

*Impact on Operating Budget & Departments - Narrative*

Annual maintenance cost of approximately \$46,000 and hardware depreciation cost of \$63,000.

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|

|  |           |           |           |           |
|--|-----------|-----------|-----------|-----------|
|  | \$109,000 | \$109,000 | \$109,000 | \$109,000 |
|--|-----------|-----------|-----------|-----------|

*Operating Budget under Impact:* **General**

**2014 Funding**

**2015 Funding**

**2016 Funding**

**2017 Funding**

**2018 Funding**

| Fund Balance - | 2014      | Fund Balance - | 2015 | 2016 | 2017 | 2018 |
|----------------|-----------|----------------|------|------|------|------|
|                | \$225,000 | \$25,000       |      |      |      |      |
|                |           |                |      |      |      |      |
|                |           |                |      |      |      |      |
|                |           |                |      |      |      |      |
|                |           |                |      |      |      |      |

\$225,000

\$25,000

\$0

\$0

\$0

Construction:

Construction Contingency:

Design, Engineering & Consultant Costs:

Equipment: \$250,000

Demolition:

Software:

Other:

Land Acquisition:

**Total Project Costs**

\$250,000

*Estimated Start*

*Estimated Completion*

*Estimated Useful Life*

8/1/2012

12/31/2015

7 years



# Capital Improvement Project Summary

|                       |                                 |                 |
|-----------------------|---------------------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i>             | <i>Priority</i> |
| IT240                 | Previously Authorized - Pending | Must Do         |

## *Project Title*

### Core Switch Replacement

|                                 |                                 |
|---------------------------------|---------------------------------|
| <i>Change from Previous CIP</i> | <i>Project Location</i>         |
| New Project                     | Municipal and Service Buildings |
| <i>Department</i>               | <i>Division</i>                 |
| Administration                  | Information Technology          |

### *Project Description*

All network connectivity within, into, and out of the Municipal Building is managed by a single core switch. This project would purchase and install a secondary switch in order to provide redundancy for this critical system.

### *Statement of Need*

The current core switch was purchased and installed in 2008. In its current configuration, it is a single point of failure. This is a critical piece of equipment that enables an interface with outside access. For example, this enables Police (including PSU/Ferguson/Patton) to communicate with the records management system. This also provides access to any online payments accepted through State College, transfers from Finance to bank accounts, emails to and from any agency outside of State College.

Network equipment is traditionally depreciated over 7yrs and this particular switch model will be discontinued and no longer in support in 2015. This project recommends purchasing two switches in 2014. While this is a year early, this allows us to have a working and supported switch while installing and testing the new redundant configuration.

### *Project Alternatives*

If not completed, the current hardware can continue to operate but without any maintenance and support. Since the model is discontinued, we would need to source a replacement and hire consultants to install. State College will be completely without network access nor phones while that takes place. Taking into consideration current hardware lead times, downtime is expected to take 4 days at a minimum and consultants will charge a premium for emergency services. At minimum, a replacement of the current hardware is required. Purchasing expansion capability can mitigate complete failure.



# Capital Improvement Project Summary

*Project Title*

**Core Switch Replacement**

*Impact on Operating Budget & Departments - Narrative*

Annual maintenance and support charges of \$21,000 are expected in addition to depreciation of \$42,000.

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|

|  |          |          |          |          |
|--|----------|----------|----------|----------|
|  | \$63,000 | \$63,000 | \$63,000 | \$63,000 |
|--|----------|----------|----------|----------|

*Operating Budget under Impact:* **General**

**2014 Funding**

**2015 Funding**

**2016 Funding**

**2017 Funding**

**2018 Funding**

|                  |           |  |  |  |  |  |  |  |  |
|------------------|-----------|--|--|--|--|--|--|--|--|
| Asset Replacemen | \$30,000  |  |  |  |  |  |  |  |  |
| General          | \$272,500 |  |  |  |  |  |  |  |  |
|                  |           |  |  |  |  |  |  |  |  |
|                  |           |  |  |  |  |  |  |  |  |
|                  |           |  |  |  |  |  |  |  |  |

**\$302,500**

**\$0**

**\$0**

**\$0**

**\$0**

Construction:

Construction Contingency:

Design, Engineering & Consultant Costs: \$12,500

Equipment: \$302,000

Demolition:

Software:

Other:

Land Acquisition:

**Total Project Costs**

**\$314,500**

*Estimated Start*

11/30/2014

*Estimated Completion*

1/15/2015

*Estimated Useful Life*

7 years depending on product line lifecycle



# Capital Improvement Project Summary

|                       |                                 |                 |
|-----------------------|---------------------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i>             | <i>Priority</i> |
| IT260                 | Previously Authorized - Pending | Should Do       |

## *Project Title*

### Storage Area Network (SAN) Expansion/Recovery

|                                 |   |
|---------------------------------|---|
| <i>Change from Previous CIP</i> | <i>Project Location</i>                 |
| New Project                     | Borough Municipal and Service Buildings |
| <i>Department</i>               | <i>Division</i>                         |
| Administration                  | Information Technology                  |

## *Project Description*

Storage for State College's files, images, and applications all reside in a SAN system where data is spread across two separate servers

## *Statement of Need*

Two storage devices were purchased to create a large storage area on the network to house shared drives as well as data from the diverse set of applications State College uses on a daily basis. These applications include parking, tax, and accounting systems. Because of the amount of data and the number of times it is accessed, the current configuration was implemented to focus on performance. Because this data is backed up, the speed does have the side benefit in that it encourages saving data on the network -- rather than locally on desktops. The increase in performance, however, created a configuration where loss of one server could result in data loss. During an outage in 2012, our accounting system (PIMS) was unavailable for a period of time. To date, we are unsure what caused the failure. A better compromise is to purchase a third, larger and faster SAN and configure them to do replication.

## *Project Alternatives*

If a third storage device is not funded, Information Technology may be able to recover data from the backup system. However, the contrast is replication reduces downtime to a few hours while, a backup restore could take up to a week, leaving State College without access to some applications (PIMS, Tax, ...), system files, and data.



# Capital Improvement Project Summary

*Project Title*

**Storage Area Network (SAN) Expansion/Recovery**

*Impact on Operating Budget & Departments - Narrative*

There will be an annual depreciation amount (\$12,000) in addition to maintenance and support (\$7,000) for both the hardware and software to run the devices and replication.

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|

|  |          |          |          |          |
|--|----------|----------|----------|----------|
|  | \$19,000 | \$19,000 | \$19,000 | \$19,000 |
|--|----------|----------|----------|----------|

*Operating Budget under Impact:* **General**

2014 Funding

2015 Funding

2016 Funding

2017 Funding

2018 Funding

| 2014 Funding |  | 2015 Funding |          | 2016 Funding |  | 2017 Funding |  | 2018 Funding |  |
|--------------|--|--------------|----------|--------------|--|--------------|--|--------------|--|
|              |  | General      | \$63,000 |              |  |              |  |              |  |
|              |  |              |          |              |  |              |  |              |  |
|              |  |              |          |              |  |              |  |              |  |
|              |  |              |          |              |  |              |  |              |  |
|              |  |              |          |              |  |              |  |              |  |

\$0

\$63,000

\$0

\$0

\$0

Construction:

Construction Contingency:

Design, Engineering & Consultant Costs:

Equipment: \$55,000

Demolition:

Software: \$8,000

Other:

Land Acquisition:

*Total Project Costs*

\$63,000

*Estimated Start*

*Estimated Completion*

*Estimated Useful Life*

2/1/2015

2/15/2015

5yrs



# Capital Improvement Plan

## *Regional and Other Projects*

| Project Number | Project Title   | 2014 Total Expenses | 2015 Total Expenses | 2016 Total Expenses | 2017 Total Expenses | 2018 Total Expenses | Total Cost  |
|----------------|---|---------------------|---------------------|---------------------|---------------------|---------------------|-------------|
| OP053a         | West End Gateway Improvements                           | \$130,000           | \$450,000           | \$0                 | \$0                 | \$0                 | \$580,000   |
| OP053d         | West End Community Quadrangle                           | \$0                 | \$0                 | \$520,000           | \$0                 | \$0                 | \$520,000   |
| OP071          | 800 mHz Radio Replacement                               | \$450,000           | \$0                 | \$0                 | \$0                 | \$0                 | \$450,000   |
| OP121          | Energy Savings Project                                  | \$195,000           | \$75,000            | \$75,000            | \$75,000            | \$75,000            | \$495,000   |
| OP123          | Business Formation and Retention Revolving Loan Program | \$50,000            | \$0                 | \$0                 | \$0                 | \$50,000            | \$100,000   |
| OP124          | Discovery Space Capital Grant                           | \$50,000            | \$0                 | \$0                 | \$0                 | \$0                 | \$50,000    |
| OP140          | Additional Police Motorcycle                            | \$28,000            | \$0                 | \$0                 | \$0                 | \$0                 | \$28,000    |
| OP142          | Downtown Master Infrastructure Improvements             | \$335,000           | \$5,229,000         | \$751,000           | \$364,000           | \$3,289,000         | \$9,968,000 |
| OP151          | Homestead Investment Program (HIP)                      | \$1,000,000         | \$1,000,000         | \$1,000,000         | \$1,000,000         | \$1,000,000         | \$5,000,000 |
| OP254          | Zoning and Land Development Ordinance Rewrite           | \$0                 | \$0                 | \$0                 | \$0                 | \$176,750           | \$176,750   |
|                |   | \$2,238,000         | \$6,754,000         | \$2,346,000         | \$1,439,000         | \$4,590,750         |             |



# Capital Improvement Project Summary

|                       |                     |                 |
|-----------------------|---------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i> | <i>Priority</i> |
| OP053a                | Previously Deferred | Should Do       |

|                                      |
|--------------------------------------|
| <i>Project Title</i>                 |
| <b>West End Gateway Improvements</b> |

|   |                         |
|---|-------------------------|
| <i>Change from Previous CIP</i>                 | <i>Project Location</i> |
| Previously Deferred                             | West End                |
| <i>Department</i>                               | <i>Division</i>         |
| Planning, Housing and Development, Public Works | Other Projects          |

|                            |
|----------------------------|
| <i>Project Description</i> |
|----------------------------|

West College Avenue and North Atherton Street - Surface treatment to indicate to motorist that they are entering the West End Neighborhood, a pedestrian/cyclist environment.

West College Avenue and Buckout Street - surface treatment to indicate to motorist that they are entering the West End Neighborhood, a pedestrian/cyclist environment.

Schedule  
 2015 - Design  
 2016- Construction

|                          |
|--------------------------|
| <i>Statement of Need</i> |
|--------------------------|

Historically, the West End, Penn State's West Campus and Ferguson Township have developed in a manner where each has backed onto the other with little attention to blending and linkage between the three areas. The West End also must be rebranded from its current image to achieve a new identity as a genuine mixed use, urban destination and livable community. The proposed gateway improvements are needed to achieve these goals. Project costs are estimated at \$45,000 per intersection leg for a total cost of \$580,000.

|                             |
|-----------------------------|
| <i>Project Alternatives</i> |
|-----------------------------|

This project request is Part I of V based upon a master plan and the 2007 West End Revitalization Plan. The master plan has been segregated into five categories in an attempt to gain consensus on the individual projects.



# Capital Improvement Project Summary

*Project Title*

**West End Gateway Improvements**

*Impact on Operating Budget & Departments - Narrative*

Increased future debt service calculated based upon an assumed borrowing of \$215,000 at 4.5% over a 20-year period.

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|

|  |          |          |          |          |
|--|----------|----------|----------|----------|
|  | \$25,000 | \$25,000 | \$25,000 | \$25,000 |
|--|----------|----------|----------|----------|

*Operating Budget under Impact:* **General**

**2014 Funding**

**2015 Funding**

**2016 Funding**

**2017 Funding**

**2018 Funding**

|  |  |             |           |             |           |  |  |  |  |
|--|--|-------------|-----------|-------------|-----------|--|--|--|--|
|  |  | Future Debt | \$130,000 | State Grant | \$365,000 |  |  |  |  |
|  |  |             |           | Future Debt | \$85,000  |  |  |  |  |
|  |  |             |           |             |           |  |  |  |  |
|  |  |             |           |             |           |  |  |  |  |
|  |  |             |           |             |           |  |  |  |  |

\$0

\$130,000

\$450,000

\$0

\$0

Construction: \$450,000

Construction Contingency:

Design, Engineering & Consultant Costs: \$130,000

Equipment:

Demolition:

Software:

Other:

Land Acquisition:

**Total Project Costs**

\$580,000

*Estimated Start*

1/1/2014

*Estimated Completion*

12/31/2015

*Estimated Useful Life*

20 years



# Capital Improvement Project Summary

|                       |                     |                 |
|-----------------------|---------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i> | <i>Priority</i> |
| OP053d                | Previously Deferred | Should Do       |

|                                      |
|--------------------------------------|
| <i>Project Title</i>                 |
| <b>West End Community Quadrangle</b> |

|   |                         |
|---|-------------------------|
| <i>Change from Previous CIP</i>                                 | <i>Project Location</i> |
| Previously Deferred   | West End                |
| <i>Department</i>   | <i>Division</i>         |
| Planning, Housing and Development, Public Works, Regional Progr | Other Projects          |

|                            |
|----------------------------|
| <i>Project Description</i> |
|----------------------------|

2016 Community Quadrangle - a community park is proposed along the Sparks Street Corridor between College Avenue and West Campus Drive. Park improvements include 10 benches, 6 trash cans, 4 bike racks, 10 light fixtures and 400 l.f. of sidewalk with decorative pavers.

|                          |
|--------------------------|
| <i>Statement of Need</i> |
|--------------------------|

The West End is void of any significant centralized park, plaza or open space resources for residents and patrons to enjoy. The project proposes a new park with planned linkages to surrounding public open spaces in the Holmes/Foster neighborhood and West Campus.

|                             |
|-----------------------------|
| <i>Project Alternatives</i> |
|-----------------------------|

This project request is Part IV of V based upon a master plan and the 2007 West End Revitalization Plan. The master plan has been segregated into five categories in an attempt to gain consensus on the individual projects.



# Capital Improvement Project Summary

*Project Title*

**West End Community Quadrangle**

*Impact on Operating Budget & Departments - Narrative*

Increased future debt service calculated based upon an assumed borrowing of \$260,000 at 4.5% over a 20-year period.

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|

|  |  |          |          |          |
|--|--|----------|----------|----------|
|  |  | \$20,000 | \$20,000 | \$20,000 |
|--|--|----------|----------|----------|

*Operating Budget under Impact:* **General**

2014 Funding

2015 Funding

2016 Funding

2017 Funding

2018 Funding

|  |  |  |  |             |           |  |  |  |  |
|--|--|--|--|-------------|-----------|--|--|--|--|
|  |  |  |  | State Grant | \$260,000 |  |  |  |  |
|  |  |  |  | Future Debt | \$260,000 |  |  |  |  |
|  |  |  |  |             |           |  |  |  |  |
|  |  |  |  |             |           |  |  |  |  |
|  |  |  |  |             |           |  |  |  |  |

\$0

\$0

\$520,000

\$0

\$0

Construction: \$282,000

Construction Contingency:

Design, Engineering & Consultant Costs: \$100,000

Equipment: \$138,000

Demolition:

Software:

Other:

Land Acquisition:

**Total Project Costs**

\$520,000

*Estimated Start*

1/1/2012

*Estimated Completion*

12/31/2012

*Estimated Useful Life*

20 years



# Capital Improvement Project Summary

|                       |                                 |                 |
|-----------------------|---------------------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i>             | <i>Priority</i> |
| OP071                 | Previously Authorized - Pending | Must Do         |

|                                  |
|----------------------------------|
| <i>Project Title</i>             |
| <b>800 mHz Radio Replacement</b> |

|                                 |                                 |
|---------------------------------|---------------------------------|
| <i>Change from Previous CIP</i> | <i>Project Location</i>         |
| Previously Deferred             | Municipal and Service Buildings |
| <i>Department</i>               | <i>Division</i>                 |
| Police, Public Works            | Other Projects                  |

|                            |
|----------------------------|
| <i>Project Description</i> |
|----------------------------|

All 800 mHz mobile, portable, and control station radios, radio chargers, and fixed site equipment that were purchased in 1992 are in need of replacement. The purchase of new equipment was delayed until a decision was made by Centre County on the type of radio system. Costs for the replacement units is expected to be \$3,400 per mobile unit, \$2,800 per police portable unit, \$2,500 per public works portable, \$5,000 per control station, \$700 per multi-unit charger, \$150 per individual charger, and \$350 per hard wired vehicle charger.

Police: Mobile Units (30), Portable Units (65), Control Stations (6), Chargers (10 bank and 10 individual)

Public Works: Mobile Units (2), Portable Units (48), Control stations (6), Bank chargers (8), Vehicle chargers (48).

All remaining end-user equipment: Mobile Units (5), Portable Units (10), Control stations (1), Bank chargers (2).

|                          |
|--------------------------|
| <i>Statement of Need</i> |
|--------------------------|

The 800 mHz radios that were purchased in 1992 are in need of replacement. These radios are analog technology, and parts are no longer available.

|                             |
|-----------------------------|
| <i>Project Alternatives</i> |
|-----------------------------|

N/A





# Capital Improvement Project Summary

|                       |                     |                 |
|-----------------------|---------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i> | <i>Priority</i> |
| OP121                 | Revised Submission  | Should Do       |

|                               |
|-------------------------------|
| <i>Project Title</i>          |
| <b>Energy Savings Project</b> |

|                                 |   |
|---------------------------------|---|
| <i>Change from Previous CIP</i> | <i>Project Location</i>   |
| Previously Deferred             | Various   |
| <i>Department</i>               | <i>Division</i>   |
| Public Works                    | Garage, Engineering, Parking Facilities, Sanitary Sewer, Street |

|                            |
|----------------------------|
| <i>Project Description</i> |
|----------------------------|

The project proposes the establishment of a systematic funding mechanism for energy conservation and energy efficiency projects.

|                          |
|--------------------------|
| <i>Statement of Need</i> |
|--------------------------|

In 2012, State College opted to focus on pursuing energy efficiency projects over time rather than hiring a consultant to oversee a larger project that would consolidate a number of energy saving projects into a Guaranteed Energy Savings Act project. This CIP project is proposed to fund these projects over a period of years, focusing first on a lighting conversion project in parking facilities, then providing a regular funding mechanism for other projects, including street light conversions, fleet conversion to LNG or CNG, and energy efficiency projects in other facilities, including Bellaire Court.

|                             |
|-----------------------------|
| <i>Project Alternatives</i> |
|-----------------------------|

Do nothing, and continue to pay higher usage costs for energy, water consumption and fuel.



# Capital Improvement Project Summary

*Project Title*

**Energy Savings Project**

*Impact on Operating Budget & Departments - Narrative*

The net impact will be neutral or provide a net operating cost reduction. In addition, State College will experience lower energy, fuel and water consumption as a result of the improvements.

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                       |                       |                       |                       |                       |

*Operating Budget under Impact:*

2014 Funding

2015 Funding

2016 Funding

2017 Funding

2018 Funding

|         |           |         |          |         |          |         |          |         |          |
|---------|-----------|---------|----------|---------|----------|---------|----------|---------|----------|
| Parking | \$120,000 | General | \$75,000 | General | \$75,000 | General | \$75,000 | General | \$75,000 |
| General | \$75,000  |         |          |         |          |         |          |         |          |
|         |           |         |          |         |          |         |          |         |          |
|         |           |         |          |         |          |         |          |         |          |
|         |           |         |          |         |          |         |          |         |          |

\$195,000

\$75,000

\$75,000

\$75,000

\$75,000

Construction:

Construction Contingency: \$10,000

Design, Engineering & Consultant Costs: \$15,000

Equipment: \$470,000

Demolition:

Software:

Other:

Land Acquisition:

*Total Project Costs*

\$495,000

*Estimated Start*

1/1/2014

*Estimated Completion*

12/31/2018

*Estimated Useful Life*

Over 20 years



# Capital Improvement Project Summary

| <i>Project Number</i> | <i>Request Type</i>             | <i>Priority</i> |
|-----------------------|---------------------------------|-----------------|
| OP123                 | Previously Authorized - Pending | Should Do       |

## *Project Title*

### Business Formation and Retention Revolving Loan Program

| <i>Change from Previous CIP</i>   | <i>Project Location</i> |
|-----------------------------------|-------------------------|
| Previously Deferred               | State College           |
| <i>Department</i>                 | <i>Division</i>         |
| Planning, Housing and Development | Redevelopment           |

### *Project Description*

In discussions with our potential partners, we have looked at two approaches - a loan guarantee approach and/or a gap financing approach. It appears from review of revolving loan programs in other communities, the gap financing approach is more common. In either case, the program would be structured as a matching program where the level of public funding committed to the program would match the level of funding committed by local banks in the partnership. The specific details of the program have not been finalized, however the following program elements are common in revolving loan programs: (a) identify types of businesses or business cluster that are eligible to apply, (b) identify the types of activities that are eligible for funding, (c) establish the maximum amount of a loan or loan guarantee, (d) establish the minimum private equity commitment, (e) develop underwriting criteria, (f) define other terms and conditions necessary for participation in the program, (g) prepare loan application documents, (h) establish an application review and approval/denial process, (i) establish a loan servicing process. From our meetings with potential partners it was clear that we would not need to reinvent the wheel. That is, loan documents, underwriting criteria, review processes, and other program elements that are currently used by other entities could be adapted to fit the specifics of the proposed program. A detailed program plan addressing each of the program components for future will be prepared for consideration by Council.

### *Statement of Need*

Revolving loan programs are frequently found in the tool box used by redevelopment authorities that operate business assistance programs. Communities of all sizes (e.g., Pittsburgh, Hermitage and Lock Haven) across the state operate revolving loan funds for business development activities such as brownfield reclamation, sustainable agricultural, advanced technology programs, manufacturing facilities, and service and retail business development. From the revolving loan programs staff reviewed, it appeared that those tied to manufacturing businesses were the most common. The CDICC and SEDA-COG both operate revolving loan funds that focus mainly on manufacturing, although other types of businesses are eligible. The program would be a partnership of local lending institutions, the State College Redevelopment Authority, and Downtown State College. The SBDC and CDICC would also be involved in the program, lending their expertise as needed. We will particularly benefit from the involvement of these organizations in the area of business plan preparation.

### *Project Alternatives*

The alternative is to continue reliance on existing business loan programs that are more focused on manufacturing than on the types of businesses that might likely to open or expand in the State College.



# Capital Improvement Project Summary

*Project Title*

**Business Formation and Retention Revolving Loan Program**

*Impact on Operating Budget & Departments - Narrative*

Start up costs related to the preparation of materials needed to operate the program, finalization of details of the program components listed in the project description, and staff training in program operations. This is similar to the process followed to set up the homebuyer programs we have operated for many years. Annual operating costs will depend on the final program design but is not anticipated to exceed 0.1 FTE.

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                       |                       |                       |                       |                       |

*Operating Budget under Impact:*

2014 Funding

2015 Funding

2016 Funding

2017 Funding

2018 Funding

| General | \$50,000 |  |  |  |  |  |  | General | \$50,000 |
|---------|----------|--|--|--|--|--|--|---------|----------|
|         |          |  |  |  |  |  |  |         |          |
|         |          |  |  |  |  |  |  |         |          |
|         |          |  |  |  |  |  |  |         |          |
|         |          |  |  |  |  |  |  |         |          |
|         |          |  |  |  |  |  |  |         |          |

\$50,000

\$0

\$0

\$0

\$50,000

Construction:

Construction Contingency:

Design, Engineering & Consultant Costs:

Equipment:

Demolition:

Software:

Other:

Land Acquisition:

\$100,000

*Total Project Costs*

\$100,000

*Estimated Start*

*Estimated Completion*

*Estimated Useful Life*

9/1/2013

9/1/2015

Perpetual revolving fund



# Capital Improvement Project Summary

|  |                                     |                 |
|--|-------------------------------------|-----------------|
| <i>Project Number</i>  | <i>Request Type</i>                 | <i>Priority</i> |
| OP124  | Previously Authorized - In Progress | Could Do        |
| <i>Project Title</i>   |                                     |                 |
| <b>Discovery Space Capital Grant</b>   |                                     |                 |
| <i>Change from Previous CIP</i>  | <i>Project Location</i>             |                 |
| No Change  | Discovery Space                     |                 |
| <i>Department</i>  | <i>Division</i>                     |                 |
| Regional Programs  | Other Projects                      |                 |
| <i>Project Description</i>   |                                     |                 |
| <p>Discovery Space opened its doors to the State College and Centre region community for the first time on July 13, 2011. We celebrated our "Grand Opening" on October 22, 2011. We are the region's first community based science education venue with a specific target of providing a learning environment for children aged 12 and younger, and their families. Our mission is to provide engaging science experiences which spark creativity, curiosity and imagination. The specific objectives that we have identified that support our mission are: • Continue to develop as the region's premier science education venue; • Continue to design, develop and deploy new science and education activities for children through exhibits and programs including a Body and Mind' theme currently under development; • Encourage participation in Discovery Space activities and events by targeted audiences within State College through a comprehensive outreach program; • Invest in program-specific and cost effective facility improvements supportive of the mission and core themes. Our goal is to leverage support from State College with private gifts, corporate and foundation support, service agency and other local government funding, using it for capital improvement, exhibit and program design and development. Since opening, Discovery Space has logged over 21,000 visits to the center; over 330 families who have joined as members; over 50 field trip visits from schools across central PA; over 40 birthday parties; and over 100 science programs with topics ranging from chocolate to STEM and STEA(arts)M.</p> |                                     |                 |
| <i>Statement of Need</i>   |                                     |                 |
| <p>Discovery Space is the only venue of its kind in Central Pennsylvania that provides community-based science education through exhibits and programs. As with all non-profit children's science museums, Discovery Space is dependent on external funding sources to ensure sustainability. Consistent with industry standard ratios, less than 30% of the overall operating budget is and will be derived from memberships, admission receipts and program fees. As a principal asset to State College, Discovery Space represents an investment with considerable return to the community through increased Downtown family visits resulting in economic, social and cultural benefits. The early years of Discovery Space evolution are critically dependent on local government investment. Ensuring the community that the asset will be sustainable and allowing for our fundraising program objectives to mature.</p>   |                                     |                 |
| <i>Project Alternatives</i>  |                                     |                 |
| N/A  |                                     |                 |



# Capital Improvement Project Summary

*Project Title*  
**Discovery Space Capital Grant**

*Impact on Operating Budget & Departments - Narrative*

N/A

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|

|  |  |  |  |  |
|--|--|--|--|--|
|  |  |  |  |  |
|--|--|--|--|--|

*Operating Budget under Impact:*

|  | 2014 Funding | 2015 Funding | 2016 Funding | 2017 Funding | 2018 Funding |
|--|--------------|--------------|--------------|--------------|--------------|
|--|--------------|--------------|--------------|--------------|--------------|

|         |          |  |  |  |  |  |  |  |  |
|---------|----------|--|--|--|--|--|--|--|--|
| General | \$50,000 |  |  |  |  |  |  |  |  |
|         |          |  |  |  |  |  |  |  |  |
|         |          |  |  |  |  |  |  |  |  |
|         |          |  |  |  |  |  |  |  |  |
|         |          |  |  |  |  |  |  |  |  |
|         |          |  |  |  |  |  |  |  |  |
|         |          |  |  |  |  |  |  |  |  |
|         |          |  |  |  |  |  |  |  |  |
|         |          |  |  |  |  |  |  |  |  |
|         |          |  |  |  |  |  |  |  |  |

|          |     |     |     |     |
|----------|-----|-----|-----|-----|
| \$50,000 | \$0 | \$0 | \$0 | \$0 |
|----------|-----|-----|-----|-----|

|   |          |  |
|---|----------|--|
| Construction:                           |          | <div style="border: 1px solid black; padding: 5px; display: inline-block;"><i>Total Project Costs</i></div><br><div style="border: 1px solid black; padding: 5px; display: inline-block; margin-top: 10px;">\$50,000</div> |
| Construction Contingency:               |          |  |
| Design, Engineering & Consultant Costs: |          |  |
| Equipment:                              |          |  |
| Demolition:                             |          |  |
| Software:                               |          |  |
| Other:                                  | \$50,000 |  |
| Land Acquisition:                       |          |  |

| <i>Estimated Start</i> | <i>Estimated Completion</i> | <i>Estimated Useful Life</i> |
|------------------------|-----------------------------|------------------------------|
| 1/1/2012               | 12/31/2014                  | N/A                          |



# Capital Improvement Project Summary

|                       |                                 |                 |
|-----------------------|---------------------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i>             | <i>Priority</i> |
| OP140                 | Previously Authorized - Pending | Should Do       |

|                                     |
|-------------------------------------|
| <i>Project Title</i>                |
| <b>Additional Police Motorcycle</b> |

|                                 |                         |
|---------------------------------|-------------------------|
| <i>Change from Previous CIP</i> | <i>Project Location</i> |
| No Change                       | Police Department       |
| <i>Department</i>               | <i>Division</i>         |
| Police                          | Patrol                  |

|                            |
|----------------------------|
| <i>Project Description</i> |
|----------------------------|

With the success of the first police motorcycle that was put into service in 2010, one additional police motorcycle will allow for additional officers to be trained and assigned part-time to motorcycle patrol.

|                          |
|--------------------------|
| <i>Statement of Need</i> |
|--------------------------|

Speeding and red light violations are the major contributors to serious crashes and also present the most difficult violations to enforce. We also continue to get requests to do more neighborhood speed enforcement. Since Pennsylvania does not permit municipal police to use radar for speed enforcement, we need multiple ways to do enforcement. In 2010, we purchased our first patrol motorcycle which has been very successful for speed, red light, and stop sign enforcement. The motorcycle has provided the flexibility to do more enforcement in these areas which better serves the needs of the community. The motorcycle has also been valuable in heavy congestion areas during special events. It has also provided more immediate access to limited access locations such as parks and pathways.

Our only limitation now is having only one motorcycle. With the purchase of an additional police motorcycle, we can get two to three additional officers equipped and trained to ride which will provide more opportunities to assign officers to the motorcycle patrol.

|                             |
|-----------------------------|
| <i>Project Alternatives</i> |
|-----------------------------|

N/A





# Capital Improvement Project Summary

|                       |                     |                 |
|-----------------------|---------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i> | <i>Priority</i> |
| OP142                 | New                 | Should Do       |

## *Project Title*

### Downtown Master Infrastructure Improvements

|                                 |  |
|---------------------------------|--|
| <i>Change from Previous CIP</i> | <i>Project Location</i>                  |
| Increase in Amount or Scope     | Central Business District                |
| <i>Department</i>               | <i>Division</i>                          |
| Public Works                    | Engineering, Parking Facilities, Streets |

### *Project Description*

Based on recommendations in the Downtown Master Plan, new or additional public infrastructure may be completed in a phased manner within the Central Business District. Anticipated improvements include new traffic signal poles, pedestrian nodes, alternate sidewalk and crosswalk treatments, signage, on-street parking improvements, etc.

It is recommended that an initial wayfinding project be completed in 2014, a significant catalyst project be undertaken in 2015, College Avenue improvements be completed west of Atherton in 2016, additional wayfinding incorporated in 2017, and completion of College Avenue improvements from Atherton Street to University Drive be completed in 2018.

### *Statement of Need*

In the past, many of the improvements in the Central Business District have been completed without consideration on how they relate to other aspects or areas of the Central Business District. The Downtown Master Plan completed in 2013, created an identity and template which can be used for any improvement project. Development based on the Master Plan will be more efficient, thoughtful and recognizable. The goal of these improvements will be to improve pedestrian and vehicular safety, reduce congestion, improve aesthetics and make State College a destination.

The Downtown Master Plan consultants have recommended undertaking a catalyst project that will jump start interest in future projects as soon as possible.

### *Project Alternatives*

N/A



# Capital Improvement Project Summary

*Project Title*

**Downtown Master Infrastructure Improvements**

*Impact on Operating Budget & Departments - Narrative*

Improvements anticipated to increase revenue from metered parking. Phasing improvements and completed in association with other projects will minimize cost of improvements.

Debt service for the projected \$8,518,000 assumed at \$655,000 annually (4.5% over 20 years).

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|

|  |  |           |           |           |
|--|--|-----------|-----------|-----------|
|  |  | \$655,000 | \$655,000 | \$655,000 |
|--|--|-----------|-----------|-----------|

*Operating Budget under Impact:* **General**

**2014 Funding**

**2015 Funding**

**2016 Funding**

**2017 Funding**

**2018 Funding**

| 2014 Funding |           | 2015 Funding |             | 2016 Funding |           | 2017 Funding |           | 2018 Funding |             |
|--------------|-----------|--------------|-------------|--------------|-----------|--------------|-----------|--------------|-------------|
| General      | \$335,000 | Future Debt  | \$5,229,000 | General      | \$751,000 | General      | \$364,000 | Future Debt  | \$3,289,000 |
|              |           |              |             |              |           |              |           |              |             |
|              |           |              |             |              |           |              |           |              |             |
|              |           |              |             |              |           |              |           |              |             |
|              |           |              |             |              |           |              |           |              |             |

\$335,000

\$5,229,000

\$751,000

\$364,000

\$3,289,000

Construction: \$6,998,500

Construction Contingency:

Design, Engineering & Consultant Costs: \$2,969,500

Equipment:

Demolition:

Software:

Other:

Land Acquisition:

**Total Project Costs**

\$9,968,000

*Estimated Start*

*Estimated Completion*

*Estimated Useful Life*

1/1/2015

12/31/2018

30 years



# Capital Improvement Project Summary

|                       |                                     |                 |
|-----------------------|-------------------------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i>                 | <i>Priority</i> |
| OP151                 | Previously Authorized - In Progress | Could Do        |

|   |
|---|
| <i>Project Title</i>                      |
| <b>Homestead Investment Program (HIP)</b> |

|                                   |  |
|-----------------------------------|--|
| <i>Change from Previous CIP</i>   | <i>Project Location</i>                                  |
| No Change                         | Borough-wide with emphasis on residential neighborhoods. |
| <i>Department</i>                 | <i>Division</i>  |
| Planning, Housing and Development | Housing  |

*Project Description*

**Background**  
 In the neighborhoods near to campus, rental property operators can out-bid potential family owners for single-family homes. As the number of Student Homes and other single family rentals increase, family owners are less likely to compete for houses on a street. A disproportionate number of Student Homes creates neighborhood conflict.

**Goals**  
 Maintain Neighborhoods  
 Expand Owner-Occupied Housing

**Description**  
 Leverage \$5 million to purchase Student Homes, homes at risk of becoming Student Homes, and other rental properties and re-convert to Owner-Occupied. Establish deed restricting the use of the property to single-family, owner-occupied. The resale price would be less the value of the Student Home.

*Statement of Need*

For many years, State College has experienced a decline in the number family households and an increase in the number of non-family households. During this same time, the percentage of newly constructed and conversions in the housing stock represented by rental housing has increased. For example, in 1970 there were 4,412 families living in State College, but this number had declined to 3,069 in 2010. Looking at housing by tenure of owner, between 1990 and 2010, the percentage of the dwelling units in State College that were owner-occupied declined from 22.4% to 19.7%. In Centre Region townships in 2010, 12,481 of the 20,621 occupied housing units were owner-occupied. This represents 60.5% of the total occupied housing units. These trends have impacts on neighborhood and community quality of life, on public safety costs, and on the borough's ability to raise funds sufficient to meet the needs of the community. The Homestead Investment Program is intended to serve as one mechanism to expand owner-occupied housing and rental housing targeted at longer term residents.

*Project Alternatives*

N/A





# Capital Improvement Project Summary

|                       |                     |                 |
|-----------------------|---------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i> | <i>Priority</i> |
| OP254                 | Revised Submission  | Should Do       |

## *Project Title*

### Zoning and Land Development Ordinance Rewrite

|                                   |                         |
|-----------------------------------|-------------------------|
| <i>Change from Previous CIP</i>   | <i>Project Location</i> |
| No Change                         | State College           |
| <i>Department</i>                 | <i>Division</i>         |
| Planning, Housing and Development | Other Projects          |

### *Project Description*

State College has not comprehensively rewritten its zoning and land development regulations since the mid-1970s, following the adoption of the 1976 Comprehensive Plan. At that time, the zoning map was redrawn and several new zoning districts were added. However, even with this redraft, much of the ordinance is based on Ordinance 559 adopted in 1959. This project proposes that a consultant be retained to work with State College on the preparation of a new zoning and land development ordinance. The initial step in this process is for Council, the Planning Commission and staff to update the land use goals and land use plan. This process was started through the State College Area Land Plan process and the 2013 Comprehensive Plan update. In addition, an update of the Master Plan for Downtown will be completed by mid-2013 and a new Neighborhood Plan will be in place by the end of 2013. Following the completion of these planning processes, a scope of work will be prepared for the ordinance rewrite. State College will investigate funding opportunities for the zoning ordinance re-write through the Pennsylvania Department of Community and Economic Development.

### *Statement of Need*

The current zoning is a mixture of standard Euclidian zoning techniques and performance zoning techniques with no overall theme as to how State College approaches land use regulations. It does not incorporate current performance and form-based standards in any systematic way. Since 1959 the zoning ordinance has been amended over 200 times. This large number of amendments has resulted in inconsistencies and internal conflicts in the ordinance. In addition, the existing ordinances are confusing and difficult for the general public and developers to interpret. The number of amendments, inconsistencies and conflicts as well as lack of clarity are indicative of the need for a comprehensive rewrite of the land development regulations.

### *Project Alternatives*

Retain and continue to "tweak" the current ordinances.



# Capital Improvement Project Summary

*Project Title*

**Zoning and Land Development Ordinance Rewrite**

*Impact on Operating Budget & Departments - Narrative*

Impacts on operating budgets will primarily be limited to staff time devoted to working with the consultants, Council, the Planning Commission and the community on the drafting and adoption of the new zoning ordinance. There will also be a cost in staff time learning to administer the new regulations. Some new forms and maps will need to be prepared by staff.

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                       |                       |                       |                       |                       |

*Operating Budget under Impact:*

2014 Funding

2015 Funding

2016 Funding

2017 Funding

2018 Funding

|  |  |             |           |             |          |  |  |  |  |
|--|--|-------------|-----------|-------------|----------|--|--|--|--|
|  |  | State Grant | \$50,000  | Future Debt | \$50,000 |  |  |  |  |
|  |  | Future Debt | \$100,000 |             |          |  |  |  |  |
|  |  |             |           |             |          |  |  |  |  |
|  |  |             |           |             |          |  |  |  |  |
|  |  |             |           |             |          |  |  |  |  |

\$0

\$150,000

\$50,000

\$0

\$0

Construction:

Construction Contingency:

Design, Engineering & Consultant Costs:

\$176,750

Equipment:

Demolition:

Software:

Other:

Land Acquisition:

*Total Project Costs*

\$176,750

*Estimated Start*

7/1/2014

*Estimated Completion*

7/31/2016

*Estimated Useful Life*

20 years



# Capital Improvement Plan

## *Enterprise Funds Projects*

| Project Number | Project Title                            | 2014 Total Expenses | 2015 Total Expenses | 2016 Total Expenses | 2017 Total Expenses | 2018 Total Expenses | Total Cost   |
|----------------|--|---------------------|---------------------|---------------------|---------------------|---------------------|--------------|
| PF086          | Pugh Garage Maintenance                  | \$0                 | \$0                 | \$0                 | \$40,000            | \$0                 | \$40,000     |
| PF111          | Beaver Garage Maintenance                | \$300,000           | \$0                 | \$0                 | \$0                 | \$0                 | \$300,000    |
| PF137          | Fraser Street Parking Garage Renovations | \$0                 | \$1,460,000         | \$0                 | \$0                 | \$0                 | \$1,460,000  |
| PF138          | Parking Study                            | \$100,000           | \$0                 | \$0                 | \$0                 | \$0                 | \$100,000    |
| PF139          | PARCS Software System Replacement        | \$750,000           | \$0                 | \$0                 | \$0                 | \$0                 | \$750,000    |
| PF141          | Parking Lot Resuracing                   | \$0                 | \$30,000            | \$0                 | \$0                 | \$0                 | \$30,000     |
| PF142          | Parking Meter Upgrade                    | \$0                 | \$300,000           | \$0                 | \$0                 | \$0                 | \$300,000    |
| PF151          | Fraser/McAllister Maintenance            | \$0                 | \$35,000            | \$450,000           | \$0                 | \$0                 | \$485,000    |
| PF152          | New Parking Garage                       | \$0                 | \$2,500,000         | \$0                 | \$14,875,000        | \$0                 | \$17,375,000 |
| RF122          | Recycling Grants                         | \$0                 | \$277,778           | \$0                 | \$277,778           | \$0                 | \$555,556    |

| Project Number | Project Title                                  | 2014 Total Expenses | 2015 Total Expenses | 2016 Total Expenses | 2017 Total Expenses | 2018 Total Expenses | Total Cost  |
|----------------|--|---------------------|---------------------|---------------------|---------------------|---------------------|-------------|
| SS-1           | Sanitary Sewer Rehabilitation/Replacement      | \$500,000           | \$360,000           | \$500,000           | \$360,000           | \$500,000           | \$2,220,000 |
| SS-2           | Sanitary Sewer Inflow & Infiltration Reduction | \$375,000           | \$375,000           | \$300,000           | \$0                 | \$0                 | \$1,050,000 |
|                |  | \$2,025,000         | \$5,337,778         | \$1,250,000         | \$15,552,778        | \$500,000           |             |



# Capital Improvement Project Summary

|                       |                                 |                 |
|-----------------------|---------------------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i>             | <i>Priority</i> |
| PF086                 | Previously Authorized - Pending | Should Do       |

|                                |
|--------------------------------|
| <i>Project Title</i>           |
| <b>Pugh Garage Maintenance</b> |

|                                 |                            |
|---------------------------------|----------------------------|
| <i>Change from Previous CIP</i> | <i>Project Location</i>    |
| No Change                       | Pugh Street Parking Garage |
| <i>Department</i>               | <i>Division</i>            |
| Public Works                    | Parking Facilities         |

|  |
|--|
| <i>Project Description</i>                                 |
| A Condition Appraisal of the garage is scheduled for 2017. |

|  |
|--|
| <i>Statement of Need</i>   |
| <p>Parking industry experts recommend various routine maintenance items be completed every 5 to 7 years. Such maintenance items include routing and sealing of cracks, repairing delaminated concrete floor slabs, sealing concrete floors to prevent chlorides from penetrating the slabs and rusting embedded reinforcing steel and tensioning tendons, and re-stripping the facilities. The most recent Condition Appraisal was performed at the Pugh Street Garage in 2011. As this facility ages, the frequency of detailed inspections may increase. Each cycle, the cost/benefit analysis should examine the anticipated remaining useful life of the structure and project the ultimate replacement of this parking asset.</p> |

|   |
|---|
| <i>Project Alternatives</i>   |
| Opt to not repair the structure, acquire land, construct a replacement parking asset and sell the Pugh Garage property. |



# Capital Improvement Project Summary

*Project Title*

**Pugh Garage Maintenance**

*Impact on Operating Budget & Departments - Narrative*

Regular maintenance extends the life of the structure, defers the need for major repairs and decreases the likelihood of premature failure of the structure.

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                       |                       |                       |                       |                       |

*Operating Budget under Impact:*

2014 Funding

2015 Funding

2016 Funding

2017 Funding

2018 Funding

| 2014 Funding |  | 2015 Funding |  | 2016 Funding |  | 2017 Funding |          | 2018 Funding |  |
|--------------|--|--------------|--|--------------|--|--------------|----------|--------------|--|
|              |  |              |  |              |  | Parking      | \$40,000 |              |  |
|              |  |              |  |              |  |              |          |              |  |
|              |  |              |  |              |  |              |          |              |  |
|              |  |              |  |              |  |              |          |              |  |
|              |  |              |  |              |  |              |          |              |  |

\$0

\$0

\$0

\$40,000

\$0

Construction:

Construction Contingency:

Design, Engineering & Consultant Costs: \$40,000

Equipment:

Demolition:

Software:

Other:

Land Acquisition:

*Total Project Costs*

\$40,000

*Estimated Start*

*Estimated Completion*

*Estimated Useful Life*

1/1/2017

8/25/2018

6 years



# Capital Improvement Project Summary

|                       |                                 |                 |
|-----------------------|---------------------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i>             | <i>Priority</i> |
| PF111                 | Previously Authorized - Pending | Should Do       |

|                                  |
|----------------------------------|
| <i>Project Title</i>             |
| <b>Beaver Garage Maintenance</b> |

|                                 |                              |
|---------------------------------|------------------------------|
| <i>Change from Previous CIP</i> | <i>Project Location</i>      |
| No Change                       | Beaver Avenue Parking Garage |
| <i>Department</i>               | <i>Division</i>              |
| Public Works                    | Parking Facilities           |

|                            |
|----------------------------|
| <i>Project Description</i> |
|----------------------------|

Perform a full condition appraisal of Beaver Avenue Garage in 2013. Restoration work identified will then be scheduled for the 2014 construction season.

|                          |
|--------------------------|
| <i>Statement of Need</i> |
|--------------------------|

Parking industry experts recommend various routine maintenance items be completed every 5 to 7 years. Such maintenance items include routing and sealing of cracks, repairing delaminated concrete floor slabs, sealing concrete floors to prevent chlorides from penetrating the slabs and rusting embedded reinforcing steel and tensioning tendons, and re-striping the facilities. Every six years we perform a condition appraisal in each facility, and follow the report with a maintenance project to correct deficiencies.

|                             |
|-----------------------------|
| <i>Project Alternatives</i> |
|-----------------------------|

None. Failure to maintain parking structures will lead to premature failure and loss of vital parking facilities in the downtown.



# Capital Improvement Project Summary

*Project Title*

**Beaver Garage Maintenance**

*Impact on Operating Budget & Departments - Narrative*

Regular maintenance extends the life of the structure, defers the need for major repairs and decreases the likelihood of premature failure of the structure.

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                       |                       |                       |                       |                       |

*Operating Budget under Impact:*

2014 Funding

2015 Funding

2016 Funding

2017 Funding

2018 Funding

|         | 2014      | 2015 | 2016 | 2017 | 2018 |
|---------|-----------|------|------|------|------|
| Parking | \$300,000 |      |      |      |      |
|         |           |      |      |      |      |
|         |           |      |      |      |      |
|         |           |      |      |      |      |
|         |           |      |      |      |      |

\$300,000

\$0

\$0

\$0

\$0

Construction: \$250,000

Construction Contingency: \$25,000

Design, Engineering & Consultant Costs: \$25,000

Equipment:

Demolition:

Software:

Other:

Land Acquisition:

*Total Project Costs*

\$300,000

*Estimated Start*

2/1/2013

*Estimated Completion*

8/25/2014

*Estimated Useful Life*

6 years



# Capital Improvement Project Summary

|                       |                     |                 |
|-----------------------|---------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i> | <i>Priority</i> |
| PF137                 | Revised Submission  | Should Do       |

|   |
|---|
| <i>Project Title</i>                            |
| <b>Fraser Street Parking Garage Renovations</b> |

|                                 |                             |
|---------------------------------|-----------------------------|
| <i>Change from Previous CIP</i> | <i>Project Location</i>     |
| New Project                     | 131-141 South Fraser Street |
| <i>Department</i>               | <i>Division</i>             |
| Public Works                    | Parking Facilities          |

|                            |
|----------------------------|
| <i>Project Description</i> |
|----------------------------|

The purpose of this project request is an architectural/customer service update of the facility. The focus is on elevator replacement, aesthetic improvements, and resolution of the canopy over the plaza area.

|                          |
|--------------------------|
| <i>Statement of Need</i> |
|--------------------------|

The Fraser Plaza Garage is 27 years old. Regular garage structural maintenance has proceeded as scheduled, but architectural elements require updates. Brick lintels should be sanded and painted, the brick facade requires repointing, and the exterior lighting is outdated. A permanent solution for the canopy over the plaza should also be addressed. The brick plaza and walks around the facility should be removed and replaced to match the new Fraser Street streetscape. Serious consideration should be given to construction of a new elevator tower with high speed elevators. The existing hydraulic elevators are slow and provide a very low level of service to structures above five (5) floors.

|                             |
|-----------------------------|
| <i>Project Alternatives</i> |
|-----------------------------|

Maintain hydraulic elevators, but provide funding for a full rehabilitation of the elevators.



# Capital Improvement Project Summary

*Project Title*

**Fraser Street Parking Garage Renovations**

*Impact on Operating Budget & Departments - Narrative*

Reduced energy cost and elevator maintenance cost. Generally, traction elevators have lower energy costs and comparable to slightly lower maintenance costs than hydraulic elevators.

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|

|  |  |         |         |         |
|--|--|---------|---------|---------|
|  |  | \$1,500 | \$1,500 | \$1,500 |
|--|--|---------|---------|---------|

*Operating Budget under Impact:* **Parking**

2014 Funding

2015 Funding

2016 Funding

2017 Funding

2018 Funding

| 2014 Funding |  | 2015 Funding |             | 2016 Funding |  | 2017 Funding |  | 2018 Funding |  |
|--------------|--|--------------|-------------|--------------|--|--------------|--|--------------|--|
|              |  | Parking      | \$1,460,000 |              |  |              |  |              |  |
|              |  |              |             |              |  |              |  |              |  |
|              |  |              |             |              |  |              |  |              |  |
|              |  |              |             |              |  |              |  |              |  |
|              |  |              |             |              |  |              |  |              |  |
|              |  |              |             |              |  |              |  |              |  |

\$0

\$1,460,000

\$0

\$0

\$0

Construction: \$800,000

Construction Contingency: \$45,000

Design, Engineering & Consultant Costs: \$90,000

Equipment: \$400,000

Demolition: \$125,000

Software:

Other:

Land Acquisition:

*Total Project Costs*

\$1,460,000

*Estimated Start*

1/1/2015

*Estimated Completion*

8/31/2016

*Estimated Useful Life*

25-40 years

Fraser Garage Renovations

| Labor                       | labor hours | surface | unit (sq. ft.) | labor rate | extended cost |
|-----------------------------|-------------|---------|----------------|------------|---------------|
| Repoint brick @ 25-30 years | 0.067       | 50%     | 21300          | 52         | 37104.6       |
| Repair Brick @ 25-30 years  | 0.0121      | 2%      | 21300          | 52         | 268.0392      |

| Material                    | Material cost | surface | unit (sq. ft.) | extended cost |
|-----------------------------|---------------|---------|----------------|---------------|
| Repoint brick @ 25-30 years | 0.04          | 50%     | 21300          | 426           |
| Repair Brick @ 25-30 years  | 0.06          | 2%      | 21300          | 25.56         |

**Total brick repair/repoint cost** 37824.2

**Elevator Retrofit**

|   |        |
|---|--------|
| Design  | 65000  |
| Demo existing Hydro in SW corner                        | 75000  |
| Construct new elevator tower for two traction elevators | 300000 |
| Install two new traction elevators                      | 400000 |
| Contingency   | 60000  |
|   | 900000 |

**Brick Plaza based on 1300 s.y. of brick**

|  | bid range        |        |
|--|------------------|--------|
| Plain cement concrete strip, including subbase | 135.60-288.00/sy | 105696 |
| brick sidewalk                                 | 74.47-90.00/sy   | 83970  |
| Excavation                                     | 50/cy            | 32500  |
| Demolition                                     |                  | 50000  |
|  |                  | 272166 |

|              |          |               |
|--------------|----------|---------------|
|              | 34861.2  |               |
|              | 2807.44  |               |
| total lot    | 32053.76 |               |
| structure    | 20460    |               |
| balance      | 11593.76 |               |
| s.f. to s.y. | 1288.195 | 1333 366.6917 |
|              |          | 933.3083      |

**Canopy**

250000

Total Project 1459990

|            |        |
|------------|--------|
| Design     | 90000  |
| Demolition | 125000 |

|              |         |
|--------------|---------|
| Equipment    | 400000  |
| Construction | 800000  |
| Contingency  | 45000   |
| Total        | 1460000 |

Added Operating Costs

Minimal, unless one hydraulic elevator remains in service  
Add \$1500 per year additional maintenance if that happens

|                      | West     | North    |
|----------------------|----------|----------|
|                      | 1206.71  | 1208.71  |
|                      | 1138     | 1138     |
|                      | 68.71    | 70.71    |
|                      | 134.33   | 170.5    |
|                      | 9229.814 | 12056.06 |
| Times 2 faces        | 18459.63 | 24112.11 |
| Openings @ 50%       | 9229.814 | 12056.06 |
| Total Brick surfaces |          | 21285.87 |



# Capital Improvement Project Summary

|   |   |                 |
|---|---|-----------------|
| <i>Project Number</i>   | <i>Request Type</i>                     | <i>Priority</i> |
| PF138   | Previously Authorized - In Progress     | Should Do       |
| <i>Project Title</i>  |   |                 |
| Parking Study   |   |                 |
| <i>Change from Previous CIP</i>   | <i>Project Location</i>                 |                 |
| No Change   | Central Business District               |                 |
| <i>Department</i>   | <i>Division</i>                         |                 |
| Administration  | Parking Facilities, Parking Enforcement |                 |
| <i>Project Description</i>  |   |                 |
| <p>A comprehensive study of both public and private on- and off-street parking in the Central Business District, including a plan and analysis of parking structure placement alternatives. This is the first step in reviewing the current and future needs, especially given the remaining estimated useful life of the Pugh Street Garage.</p>   |   |                 |
| <i>Statement of Need</i>  |   |                 |
| <p>Two independent reports have indicated that the Pugh Street Garage is nearing the end of its useful life. The reports state that the garage should be retired within the next ten (10) years.</p> <p>The last report of this nature was completed in 1985 and is outdated. This study will review all policies and ordinances in relation to the changing parking demand in the Central Business District. The study will also look at privately owned parking in the Central Business District.</p> |   |                 |
| <i>Project Alternatives</i>   |   |                 |
| None  |   |                 |



# Capital Improvement Project Summary

*Project Title*  
**Parking Study**

*Impact on Operating Budget & Departments - Narrative*  
 N/A

2014 Operating Impact    2015 Operating Impact    2016 Operating Impact    2017 Operating Impact    2018 Operating Impact

*Operating Budget under Impact:*

2014 Funding    2015 Funding    2016 Funding    2017 Funding    2018 Funding

|         |           |  |  |  |  |  |  |  |  |
|---------|-----------|--|--|--|--|--|--|--|--|
| Parking | \$100,000 |  |  |  |  |  |  |  |  |
|         |           |  |  |  |  |  |  |  |  |
|         |           |  |  |  |  |  |  |  |  |
|         |           |  |  |  |  |  |  |  |  |
|         |           |  |  |  |  |  |  |  |  |

\$100,000    \$0    \$0    \$0    \$0

|   |           |
|---|-----------|
| Construction:                           |           |
| Construction Contingency:               |           |
| Design, Engineering & Consultant Costs: | \$100,000 |
| Equipment:                              |           |
| Demolition:                             |           |
| Software:                               |           |
| Other:                                  |           |
| Land Acquisition:                       |           |

*Total Project Costs*  
**\$100,000**

*Estimated Start*    *Estimated Completion*    *Estimated Useful Life*  
 2/1/2013    12/1/2014    20 years



# Capital Improvement Project Summary

|                       |                                 |                 |
|-----------------------|---------------------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i>             | <i>Priority</i> |
| PF139                 | Previously Authorized - Pending | Should Do       |

|  |
|--|
| <i>Project Title</i>                     |
| <b>PARCS Software System Replacement</b> |

|                                 |                         |
|---------------------------------|-------------------------|
| <i>Change from Previous CIP</i> | <i>Project Location</i> |
| No Change                       | Parking Garages         |
| <i>Department</i>               | <i>Division</i>         |
| Administration                  | Parking Facilities      |

|  |
|--|
| <i>Project Description</i>   |
| Replacement of the current revenue control PARCS system in the parking structures. This includes paystations and entry/exit gates. |

|   |
|---|
| <i>Statement of Need</i>  |
| The old PARCS system is antiquated and unreliable from many different aspects, and it precludes State College from maintaining desired customer service levels. The paystations are not able to provide an acceptable audit trail and revenue control is a high priority. New technology will allow better service the users of the facilities. |

|                              |
|------------------------------|
| <i>Project Alternatives</i>  |
| Continue with the old system |



# Capital Improvement Project Summary

*Project Title*

**PARCS Software System Replacement**

*Impact on Operating Budget & Departments - Narrative*

Funds will be allocated from fund balance in the Parking Fund.

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                       |                       |                       |                       |                       |

*Operating Budget under Impact:*

2014 Funding

2015 Funding

2016 Funding

2017 Funding

2018 Funding

|         | 2014      | 2015 | 2016 | 2017 | 2018 |
|---------|-----------|------|------|------|------|
| Parking | \$750,000 |      |      |      |      |
|         |           |      |      |      |      |
|         |           |      |      |      |      |
|         |           |      |      |      |      |
|         |           |      |      |      | \$0  |

\$750,000

\$0

\$0

\$0

\$0

Construction:

Construction Contingency:

Design, Engineering & Consultant Costs:

Equipment: \$750,000

Demolition:

Software:

Other:

Land Acquisition:

**Total Project Costs**

\$750,000

*Estimated Start*

*Estimated Completion*

*Estimated Useful Life*

3/1/2014

9/1/2014

10 Years



# Capital Improvement Project Summary

|                       |                     |                 |
|-----------------------|---------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i> | <i>Priority</i> |
| PF141                 | New                 | Should Do       |

|                               |
|-------------------------------|
| <i>Project Title</i>          |
| <b>Parking Lot Resuracing</b> |

|                                 |                         |
|---------------------------------|-------------------------|
| <i>Change from Previous CIP</i> | <i>Project Location</i> |
| New Project                     | Various Locations       |
| <i>Department</i>               | <i>Division</i>         |
| Public Works                    | Parking Facilities      |

|  |
|--|
| <i>Project Description</i>   |
| Resurface Beaver Avenue Lot, Allen Street Lot and Sparks Street Lot. |

|  |
|--|
| <i>Statement of Need</i>   |
| The parking lots will need to be resurfaced in the upcoming years. |

|                             |
|-----------------------------|
| <i>Project Alternatives</i> |
| N/A                         |



# Capital Improvement Project Summary

*Project Title*  
**Parking Lot Resuracing**

*Impact on Operating Budget & Departments - Narrative*

N/A

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|

|  |  |  |  |  |
|--|--|--|--|--|
|  |  |  |  |  |
|--|--|--|--|--|

*Operating Budget under Impact:*

| 2014 Funding | 2015 Funding | 2016 Funding | 2017 Funding | 2018 Funding |
|--------------|--------------|--------------|--------------|--------------|
|--------------|--------------|--------------|--------------|--------------|

|  |  |         |          |  |  |  |  |  |  |
|--|--|---------|----------|--|--|--|--|--|--|
|  |  | Parking | \$30,000 |  |  |  |  |  |  |
|  |  |         |          |  |  |  |  |  |  |
|  |  |         |          |  |  |  |  |  |  |
|  |  |         |          |  |  |  |  |  |  |
|  |  |         |          |  |  |  |  |  |  |
|  |  |         |          |  |  |  |  |  |  |

|     |          |     |     |     |
|-----|----------|-----|-----|-----|
| \$0 | \$30,000 | \$0 | \$0 | \$0 |
|-----|----------|-----|-----|-----|

|   |          |
|---|----------|
| Construction:                           | \$30,000 |
| Construction Contingency:               |          |
| Design, Engineering & Consultant Costs: |          |
| Equipment:                              |          |
| Demolition:                             |          |
| Software:                               |          |
| Other:                                  |          |
| Land Acquisition:                       |          |

*Total Project Costs*  
\$30,000

| <i>Estimated Start</i> | <i>Estimated Completion</i> | <i>Estimated Useful Life</i> |
|------------------------|-----------------------------|------------------------------|
| 6/1/2015               | 6/1/2018                    | 10 years                     |



# Capital Improvement Project Summary

|                       |                     |                 |
|-----------------------|---------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i> | <i>Priority</i> |
| PF142                 | New                 | Should Do       |

|                              |
|------------------------------|
| <i>Project Title</i>         |
| <b>Parking Meter Upgrade</b> |

|                                 |                         |
|---------------------------------|-------------------------|
| <i>Change from Previous CIP</i> | <i>Project Location</i> |
| New Project                     | Downtown                |
| <i>Department</i>               | <i>Division</i>         |
| Administration                  | Parking Enforcement     |

|  |
|--|
| <i>Project Description</i>   |
| Convert current parking meters to have the ability to accept credit cards. |

|   |
|---|
| <i>Statement of Need</i>  |
| Current parking meters only accept coins. The growing trend is to have the meters accept credit cards because this payment is becoming a standard expectation by consumers. |

|                                |
|--------------------------------|
| <i>Project Alternatives</i>    |
| Leave the old meters in place. |



# Capital Improvement Project Summary

*Project Title*

**Parking Meter Upgrade**

*Impact on Operating Budget & Departments - Narrative*

There is an expectation that revenues would increase by at least 10-15%, or \$55,000 - \$75,000 a year.

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|

|  |  |           |           |           |
|--|--|-----------|-----------|-----------|
|  |  | -\$55,000 | -\$55,000 | -\$55,000 |
|--|--|-----------|-----------|-----------|

*Operating Budget under Impact:* **General**

**2014 Funding**

**2015 Funding**

**2016 Funding**

**2017 Funding**

**2018 Funding**

| 2014 Funding |  | 2015 Funding |           | 2016 Funding |  | 2017 Funding |  | 2018 Funding |  |
|--------------|--|--------------|-----------|--------------|--|--------------|--|--------------|--|
|              |  | General      | \$300,000 |              |  |              |  |              |  |
|              |  |              |           |              |  |              |  |              |  |
|              |  |              |           |              |  |              |  |              |  |
|              |  |              |           |              |  |              |  |              |  |
|              |  |              |           |              |  |              |  |              |  |

\$0

\$300,000

\$0

\$0

\$0

Construction:

Construction Contingency:

Design, Engineering & Consultant Costs:

Equipment: \$300,000

Demolition:

Software:

Other:

Land Acquisition:

**Total Project Costs**

\$300,000

*Estimated Start*

6/1/2015

*Estimated Completion*

8/31/2015

*Estimated Useful Life*

10 years



# Capital Improvement Project Summary

|                       |                                 |                 |
|-----------------------|---------------------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i>             | <i>Priority</i> |
| PF151                 | Previously Authorized - Pending | Should Do       |

|                                      |
|--------------------------------------|
| <i>Project Title</i>                 |
| <b>Fraser/McAllister Maintenance</b> |

|                                 |                                   |
|---------------------------------|-----------------------------------|
| <i>Change from Previous CIP</i> | <i>Project Location</i>           |
| No Change                       | Fraser Garage and McAllister Deck |
| <i>Department</i>               | <i>Division</i>                   |
| Public Works                    | Parking Facilities                |

|                            |
|----------------------------|
| <i>Project Description</i> |
|----------------------------|

The most recent Condition Appraisal was performed at the Fraser Street Garage and McAllister Deck in 2009. Maintenance was performed in 2010. The next routine Condition Appraisal of these structures should be performed in 2015 with a maintenance project in 2016.

|                          |
|--------------------------|
| <i>Statement of Need</i> |
|--------------------------|

Parking industry experts recommend various routine maintenance items be completed every 5 to 7 years. Such maintenance items include routing and sealing of cracks, repairing delaminated concrete floor slabs, sealing concrete floors to prevent chlorides from penetrating the slabs and rusting embedded reinforcing steel and tensioning tendons, and re-striping the facilities. Every six years we perform a condition appraisal in each facility, and follow the report, generally the next construction season, with a maintenance project to correct deficiencies.

|                             |
|-----------------------------|
| <i>Project Alternatives</i> |
|-----------------------------|

None. Failure to maintain parking structures will lead to premature failure of the structure and the loss of vital parking facilities in the Central Business District.



# Capital Improvement Project Summary

*Project Title*

**Fraser/McAllister Maintenance**

*Impact on Operating Budget & Departments - Narrative*

Regular maintenance extends the life of the structure, defers the need for major repairs and decreases the likelihood of premature failure of the structure.

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|

|  |          |           |  |  |
|--|----------|-----------|--|--|
|  | \$35,000 | \$450,000 |  |  |
|--|----------|-----------|--|--|

*Operating Budget under Impact:*

2014 Funding

2015 Funding

2016 Funding

2017 Funding

2018 Funding

| 2014 Funding |  | 2015 Funding |          | 2016 Funding |           | 2017 Funding |  | 2018 Funding |  |
|--------------|--|--------------|----------|--------------|-----------|--------------|--|--------------|--|
|              |  | Parking      | \$35,000 | Parking      | \$450,000 |              |  |              |  |
|              |  |              |          |              |           |              |  |              |  |
|              |  |              |          |              |           |              |  |              |  |
|              |  |              |          |              |           |              |  |              |  |
|              |  |              |          |              |           |              |  |              |  |
|              |  |              |          |              |           |              |  |              |  |

\$0

\$35,000

\$450,000

\$0

\$0

Construction: \$380,000

Construction Contingency: \$35,000

Design, Engineering & Consultant Costs: \$70,000

Equipment:

Demolition:

Software:

Other:

Land Acquisition:

*Total Project Costs*

\$485,000

*Estimated Start*

2/1/2015

*Estimated Completion*

8/25/2016

*Estimated Useful Life*

6 years



# Capital Improvement Project Summary

|                       |                                 |                 |
|-----------------------|---------------------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i>             | <i>Priority</i> |
| PF152                 | Previously Authorized - Pending | Must Do         |

|                           |
|---------------------------|
| <i>Project Title</i>      |
| <b>New Parking Garage</b> |

|                                 |                           |
|---------------------------------|---------------------------|
| <i>Change from Previous CIP</i> | <i>Project Location</i>   |
| Increase in Amount or Scope     | Central Business District |
| <i>Department</i>               | <i>Division</i>           |
| Administration                  | Parking Facilities        |

|                            |
|----------------------------|
| <i>Project Description</i> |
|----------------------------|

The Pugh Street Parking Garage will be at the end of its useful life in 2018. This project is for the purchase of land, design and construction of a new parking garage in the Central Business District.

|                          |
|--------------------------|
| <i>Statement of Need</i> |
|--------------------------|

The Pugh Street Garage will be at the end of its useful life in 2018. The cost of maintaining the structure is not fiscally responsible given its age. Having a new garage built prior to the abandonment of the Pugh Street Garage is necessary to maintain sufficient public parking.

|                             |
|-----------------------------|
| <i>Project Alternatives</i> |
|-----------------------------|

None



# Capital Improvement Project Summary

*Project Title*

**New Parking Garage**

*Impact on Operating Budget & Departments - Narrative*

A parking garage feasibility study will be performed in 2013 and will include financial analysis for a new parking structure. Annual debt service is estimated at \$1,100,000 based upon a \$17,375,000 borrowing with an assumed interest rate of 4.5% and a 30-year term.

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|

|  |  |  |  |             |
|--|--|--|--|-------------|
|  |  |  |  | \$1,100,000 |
|--|--|--|--|-------------|

*Operating Budget under Impact:* **Parking**

2014 Funding

2015 Funding

2016 Funding

2017 Funding

2018 Funding

|  |  |               |             |  |  |               |              |  |  |
|--|--|---------------|-------------|--|--|---------------|--------------|--|--|
|  |  | Future Debt - | \$2,500,000 |  |  | Future Debt - | \$1,000,000  |  |  |
|  |  |               |             |  |  | Future Debt - | \$13,875,000 |  |  |
|  |  |               |             |  |  |               |              |  |  |
|  |  |               |             |  |  |               |              |  |  |
|  |  |               |             |  |  |               |              |  |  |

\$0

\$2,500,000

\$0

\$14,875,000

\$0

Construction: \$13,875,000

Construction Contingency:

Design, Engineering & Consultant Costs:

Equipment:

Demolition: \$1,000,000

Software:

Other:

Land Acquisition: \$2,500,000

*Total Project Costs*

**\$17,375,000**

*Estimated Start*

1/1/2013

*Estimated Completion*

12/31/2018

*Estimated Useful Life*

30 Years



# Capital Improvement Project Summary

|                       |                     |                 |
|-----------------------|---------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i> | <i>Priority</i> |
| RF122                 | Revised Submission  | Should Do       |

|                         |
|-------------------------|
| <i>Project Title</i>    |
| <b>Recycling Grants</b> |

|                                 |                            |
|---------------------------------|----------------------------|
| <i>Change from Previous CIP</i> | <i>Project Location</i>    |
| Increase in Amount or Scope     | Borough-wide               |
| <i>Department</i>               | <i>Division</i>            |
| Public Works                    | Refuse, Compost Operations |

|                            |
|----------------------------|
| <i>Project Description</i> |
|----------------------------|

This project will be an umbrella project for future refuse and organics recycling projects which qualify for reimbursement under Act 101 Section 902 Recycling grants.

|                          |
|--------------------------|
| <i>Statement of Need</i> |
|--------------------------|

This source of funding is currently available every other year for qualifying projects, with a maximum of \$250,000 contribution by the state on a 90%-10% grant program.

If an application in 2013 for reimbursement of expenses related to the curbside food recycling program is approved, the Borough will not be eligible for another 902 grant until 2015. Projects envisioned in 2015 are truck scales and paving improvements for the compost facility. Additional project opportunities would be reviewed for 2017 and beyond.

|                             |
|-----------------------------|
| <i>Project Alternatives</i> |
|-----------------------------|

None. Internal funding can be dramatically stretched via the state grant program.



# Capital Improvement Project Summary

*Project Title*

**Recycling Grants**

*Impact on Operating Budget & Departments - Narrative*

Overall, this grant-funding mechanism will lower operating costs in the Refuse Collection fund and Compost Operations fund, depending on where projects are funded.

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                       |                       |                       |                       |                       |

*Operating Budget under Impact:*

2014 Funding

2015 Funding

2016 Funding

2017 Funding

2018 Funding

|  |  |                    |           |  |  |                   |           |  |  |
|--|--|--------------------|-----------|--|--|-------------------|-----------|--|--|
|  |  | Compost Operations | \$27,778  |  |  | Refuse Collection | \$27,778  |  |  |
|  |  | State Grant        | \$250,000 |  |  | State Grant       | \$250,000 |  |  |
|  |  |                    |           |  |  |                   |           |  |  |
|  |  |                    |           |  |  |                   |           |  |  |
|  |  |                    |           |  |  |                   |           |  |  |

\$0

\$277,778

\$0

\$277,778

\$0

Construction: \$175,000

Construction Contingency: \$15,778

Design, Engineering & Consultant Costs: \$27,000

Equipment: \$337,778

Demolition:

Software:

Other:

Land Acquisition:

*Total Project Costs*

\$555,556

*Estimated Start*

1/1/2014

*Estimated Completion*

12/31/2018

*Estimated Useful Life*

10-20 years



# Capital Improvement Project Summary

|                       |                     |                 |
|-----------------------|---------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i> | <i>Priority</i> |
| SS-1                  | Revised Submission  | Should Do       |

## *Project Title*

### Sanitary Sewer Rehabilitation/Replacement

|                                 |                         |
|---------------------------------|-------------------------|
| <i>Change from Previous CIP</i> | <i>Project Location</i> |
| Increase in Amount or Scope     | Various                 |
| <i>Department</i>               | <i>Division</i>         |
| Public Works                    | Sanitary Sewer          |

## *Project Description*

This project includes the rehabilitation or replacement of sanitary sewers and/or manholes. Each year, State College reviews video to determine the need for rehabilitation, repair or replacement. On average, \$360,000 is spent each year to replace sewers that are associated with streets that are either reconstructed or resurfaced. On occasion, State College discovers other areas that require need immediate attention. \$140,000 is requested for this task.

2014 - \$500,000 pipe bursting East Foster from Locust Lane to Keller Street; pipe bursting sewers located within Rights-of-Way at the west end of the Borough; and replacement of sewers associated with resurfacing/reconstruction.

2015 - \$360,000

2016 - \$500,000

2017- \$360,000

2018 - \$500,000

## *Statement of Need*

Sanitary sewers are repaired or replaced as needed to prevent backups and address emergency situations. Sewers and manholes are routinely inspected on those streets that are scheduled for resurfacing or reconstruction and a determination is made on what is needed before the street is completed. There are three methods by which sewers in disrepair are handled: dig and replace, slip-line, or pipe bursting. Manholes are usually replaced with pre-cast concrete, but can be lined to prevent infiltration of groundwater.

## *Project Alternatives*

Slip-lining - This involves the rehabilitation of sewer lines that are structurally sound by relining the host pipe with a high density polyurethane liner. A similar process can be used on brick manholes.

Pipe Bursting - This method of line replacement allows for pipe replacement without excessive street excavation.



# Capital Improvement Project Summary

*Project Title*

**Sanitary Sewer Rehabilitation/Replacement**

*Impact on Operating Budget & Departments - Narrative*

Reducing inflow/infiltration reduces treatment costs.

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                       |                       |                       |                       |                       |

*Operating Budget under Impact:*

2014 Funding

2015 Funding

2016 Funding

2017 Funding

2018 Funding

| Sanitary Sewer | \$500,000 | Sanitary Sewer | \$360,000 | Sanitary Sewer | \$500,000 | Sanitary Sewer | \$360,000 | Sanitary Sewer | \$500,000 |
|----------------|-----------|----------------|-----------|----------------|-----------|----------------|-----------|----------------|-----------|
|                |           |                |           |                |           |                |           |                |           |
|                |           |                |           |                |           |                |           |                |           |
|                |           |                |           |                |           |                |           |                |           |
|                |           |                |           |                |           |                |           |                |           |

\$500,000

\$360,000

\$500,000

\$360,000

\$500,000

Construction: \$2,220,000

Construction Contingency:

Design, Engineering & Consultant Costs:

Equipment:

Demolition:

Software:

Other:

Land Acquisition:

*Total Project Costs*

\$2,220,000

*Estimated Start*

1/1/2011

*Estimated Completion*

12/31/2017

*Estimated Useful Life*

75 years



# Capital Improvement Project Summary

|                       |                     |                 |
|-----------------------|---------------------|-----------------|
| <i>Project Number</i> | <i>Request Type</i> | <i>Priority</i> |
| SS-2                  | New                 | Must Do         |

## *Project Title*

### Sanitary Sewer Inflow & Infiltration Reduction

|                                 |                         |
|---------------------------------|-------------------------|
| <i>Change from Previous CIP</i> | <i>Project Location</i> |
| Increase in Amount or Scope     | Borough-wide            |
| <i>Department</i>               | <i>Division</i>         |
| Public Works                    | Sanitary Sewer          |

## *Project Description*

In 2012, a project was started to identify the sources and amount of inflow of surface water and infiltration of groundwater into the State College's sanitary sewer system. Meters were installed in various manholes to measure flow and compare against the water use records. It is anticipated that the metering project will continue through 2015 and \$75,000 per year is requested for this task.

As the meters provide data and sources of inflow and infiltration are located, it will be necessary to either rehabilitate or replace the sewer pipe and/or manholes. For years 2014-2016 a major construction project will be necessary to achieve this goal and construction funding of \$300,000 each year is requested.

## *Statement of Need*

This project is needed in order to reduce the amount of treatment costs based upon the metered flow.

## *Project Alternatives*

Do nothing and continue to pay the treatment costs for non-sewage flow. Ultimately, DEP could impose a "no build" moratorium on State College until the percentage of inflow and infiltration is reduced to acceptable levels.



# Capital Improvement Project Summary

*Project Title*

**Sanitary Sewer Inflow & Infiltration Reduction**

*Impact on Operating Budget & Departments - Narrative*

Projects should result in reduced sewage treatment cost expenses in the Sanitary Sewer Fund.

| 2014 Operating Impact | 2015 Operating Impact | 2016 Operating Impact | 2017 Operating Impact | 2018 Operating Impact |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                       |                       |                       |                       |                       |

*Operating Budget under Impact:*

2014 Funding

2015 Funding

2016 Funding

2017 Funding

2018 Funding

|                | 2014      | 2015      | 2016      | 2017 | 2018 |
|----------------|-----------|-----------|-----------|------|------|
| Sanitary Sewer | \$375,000 | \$375,000 | \$300,000 |      |      |
|                |           |           |           |      |      |
|                |           |           |           |      |      |
|                |           |           |           |      |      |
|                |           |           |           |      |      |

\$375,000

\$375,000

\$300,000

\$0

\$0

Construction: \$900,000

Construction Contingency:

Design, Engineering & Consultant Costs: \$150,000

Equipment:

Demolition:

Software:

Other:

Land Acquisition:

**Total Project Costs**

**\$1,050,000**

*Estimated Start*

3/29/2013

*Estimated Completion*

3/29/2018

*Estimated Useful Life*

50 years

# Capital Improvement Plan 2014-2018

## *Council comments and questions*

| #  | Comment   | Date  | Project | Page # | Response   | Council Disposition   |
|----|---|-------|---------|--------|--|---|
| 1. | We cannot afford all of the improvements that have been identified during the design phase for a total cost of \$6.2M.  | 5/13  | BD052   | 37     | Agreed. Some planned improvements for the Municipal Service Facility may be bid as alternatives and/or add-ons to the base project.  | Satisfied.  |
| 2. | Why do we need more security for the Municipal Building?  | 5/13  | BD131   | 43     | The proposed glass partition and ADA door projects in the Police and Finance lobbies are intended to improve employee safety and handicap accessibility. The glass partitions are not bulletproof glass but will improve overall employee safety.                | Satisfied.  |
| 3. | \$400K seems like an expensive upgrade for the Mechanics Garage given the fact that the Borough only has 2 CNG vehicles at this time. Should we consider having the CNG vehicles serviced by a private entity?              | 5/13  | BD134   | 45     | Since conversion of the entire Borough's vehicle fleet to CNG is a high priority and long-term goal, this project is beneficial and worthwhile. A cost/benefit analysis will be provided to Council when the improvement project is before Council for approval. | Satisfied.<br>Cost/Benefit Analysis due with Mechanics Garage bid award recommendation. |
| 4. | Strongly agree with the Statement of Need for PK141, and urge the Borough to include the entirety of Fraser Street design be incorporated into the project. Would also like Martin Luther King Plaza added to this project. | 5/13  | PK141   | 52     | The budget for this project does not include the entire plaza, but Martin Luther King plaza is included in the scope of improvements for PF137.  | Satisfied.  |
| 5. | How many meters are being replaced with PF142?  | 5/13  | PF142   | 101    | Between 400-500 meters are being replaced.   | Satisfied.  |
| 6. | How many parking spaces are assumed for the New Parking Garage?   | 5/13  | PF152   | 105    | 750 spaces are assumed at a cost of construction of \$24,000 per space.  | Satisfied.  |
| 7. | How many current parking spaces are in Pugh Garage?   | 5/13  | PF152   | 105    | Approximately 500 spaces.  | Satisfied.  |
| 8. | More information should be added to the capital improvement section to explain what seem to be new projects: IT111, IT240, IT260, Homestead   | 11/19 | CIP     | 68     | IT111 is the continuation of a previously approved project, the MUNIS software solution. IT240 and IT260 are both previously approved projects that have been  | Satisfied.  |

# Capital Improvement Plan 2014-2018

## *Council comments and questions*

|     |   |      |       |    |  |            |
|-----|---|------|-------|----|--|------------|
|     | Investment Program  |      |       |    | presented and reviewed in 2012 and 2013. Council will be receiving an update on the Homestead Investment Program at a future Council meeting outside of the CIP process. No further details are available at this time.  |            |
| 9.  | How many cameras are estimated for the Video Surveillance project?                                  | 5/20 | IT092 | 57 | The total number of cameras has not been determined because there is a wide array of options with available technologies and equipment. The project is being bid as a Design/Build contract with prescriptive, performance criterion.  | Satisfied. |
| 10. | The Core Switch Replacement seems very expensive given it's expected useful life                    | 5/20 | IT240 | 59 | The Core Switch is an expensive piece of equipment. It is also a very critical element of the Borough's IT infrastructure which controls all access outside of the internal network. The project, as proposed, contemplates the purchase of 2 Core Switches in order to provide redundancy and reduce the risks associated with our current, single-point-of-failure design. | Satisfied. |
| 11. | Will the Homestead Investment Program come back to Council for consideration soon?                  | 5/20 | OP151 | 80 | Yes. It is on the Work Plan for Planning and the Planning Commission.  | Satisfied. |
| 12. | The Debt Service assumptions for OP151 seem too high.   | 5/20 | OP151 | 80 | A rate of 4.5% and a term of 20 years have been used for the project. Staff agrees that the interest rate assumption is conservative given the current borrowing environment but recommends that the assumptions remained as presented.  | Satisfied. |
| 13. | Why is there a funding request in 2014 for Easterly Parkway when the project is scheduled for 2015? | 6/3  | ST001 | 14 | Staff attempts to keep annual funding requests for ST001 at a level, predictable amount, and that is the reason for partial funding in 2014.   | Satisfied. |

# Capital Improvement Plan 2014-2018

## *Council comments and questions*

|            |  |      |       |       |   |            |
|------------|--|------|-------|-------|---|------------|
| <b>14.</b> | We should remove the sidewalks, curbs and streetlights from the scope of improvements for Pugh Street Streetscape given the planned demolition and replacement of the Pugh Parking Garage.   | 6/3  | ST135 | 25    | The streetlights can easily be removed and reinstalled during demolition.   | Satisfied. |
| <b>15.</b> | Can consideration be given to a traffic-calming circle at Pugh/Easterly Parkway in conjunction with the reconstruction project in 2015 and 2016?   | 6/3  | ST001 | 14    | Yes, and there is room to do a traffic-calming circle at this intersection. The intersection does not meet PennDOT warrants for a traffic signal, but the Borough could consider a circle as an alternative.  | Satisfied. |
| <b>16.</b> | Can additional details be added in the Project Description for ST022, Traffic Signal & Intersection Safety Improvements? Specifically, in 2014 there are improvements proposed for Locust Lane that should be outlined in more detail. | 6/10 | ST022 | 21    | 2014: Implement improvements to the Locust Lane/Beaver Avenue intersection outlines in the Pedestrian/Bicycle Safety Study. Project to include narrowing Locust Lane south of Beaver Avenue and constructing pedestrian nodes into Beaver Avenue on the southeast and southwest corners. Additionally, a pedestrian node will be extended into Locust Lane on the northwest corner. The project will provide additional pedestrian queuing areas and decrease the occurrences of vehicles turning right the wrong way off Beaver Avenue onto Locust Lane. | Satisfied. |
| <b>17.</b> | Page 94 of the CIP document is confusing, and you cannot understand what it.   | 6/10 | PF137 | 94    | Page 94 contains Staff notes relative to the cost estimate for the Fraser Garage Renovations project. The notes were inadvertently included in the Plan. Page 94 will be deleted in its entirety in the final version of the CIP.   | Satisfied. |
| <b>18.</b> | Staff Correction   | 6/10 | ST941 | 27-28 | ST941, Bicycle Facility Improvements proposes project expenses in 2017, which is  | Satisfied. |

# Capital Improvement Plan 2014-2018

## *Council comments and questions*

|            |   |      |       |       |  |            |
|------------|---|------|-------|-------|--|------------|
|            |   |      |       |       | incorrect. The proposed \$65,000 allocation is planned for 2014. The final version of the CIP will include this correction. Expenses in 2017 will decrease by \$65,000, and expenses in 2014 will increase by \$65,000.  |            |
| <b>19.</b> | OP123, Business Formation and Retention Revolving Loan Program, should be removed as a project from the CIP.  | 6/10 | OP123 | 72-73 | Staff Recommends that this project be retained for further consideration. Business Formation and Retention Revolving Loan Programs are common tools in municipal economic development programs aimed at supporting business startups and retaining existing businesses in the community. The program will not be implemented without Council's approval of the final program plan and appropriation. If Council is unsure about this program, staff recommends that the project be moved to last three years of the plan to allow more time to evaluate the need, feasibility and appropriateness of this program as part of the overall State College economic development program. | Satisfied. |
| <b>20.</b> | OP142, Downtown Master Infrastructure Improvements, should be rewritten to include details of exactly what is being proposed. \$9.9M is a lot of money and a very large project, but there are little details in the CIP. | 6/10 | OP142 | 78-79 | Staff has proposed an update to the Project Description and Statement of need for this project. These updates are included in the memo and corresponding excerpts from the proposed Downtown Master Plan that have been provided in the Agenda.  | Satisfied. |