

FY 2017 - 2021 Capital Improvement Program
Totals by Category

Description	Total Estimated Costs	Appropriated Through FY 2016	Recommended FY 2017	Proposed FY 2018	Proposed FY 2019	Proposed FY 2020	Proposed FY 2021 and Beyond
Municipal Buildings and Facilities	8,634,444	1,494,444	1,250,000	1,000,000	1,000,000	1,000,000	2,890,000
Streets and Streetscapes	61,662,610	22,568,260	3,924,500	10,975,000	3,422,000	3,150,000	17,622,850
Street Lighting	3,073,493	608,386	160,107	35,000	35,000	35,000	2,200,000
Street Lighting and Electric Undergrounding	39,802,000	1,000,000	10,700,000	8,857,000	8,875,000	4,400,000	5,970,000
Transportation	73,195,186	29,594,719	7,791,196	4,554,763	2,845,548	608,174	27,800,786
Parking	31,715,000	4,260,366	1,000,000	2,764,000	3,804,000	0	19,886,634
Sewers and Storm Drains	11,382,400	4,165,302	2,040,000	1,440,000	1,440,000	1,240,000	1,057,098
Rose Bowl Improvements	188,091,251	183,000,000	1,874,000	763,847	786,763	810,365	856,276
Parks and Landscaping - Park Projects	36,356,789	25,753,868	4,933,757	75,000	75,000	75,000	5,444,164
Parks and Landscaping - Landscape Projects	1,400,000	0	400,000	0	0	0	1,000,000
Arroyo Projects - Hahamongna	7,180,263	4,765,663	0	0	0	0	2,414,600
Arroyo Projects - Central Arroyo	2,033,478	633,478	1,400,000	0	0	0	0
Arroyo Projects - Lower Arroyo	379,200	379,200	0	0	0	0	0
Pasadena Center Improvements	11,040,000	2,531,000	1,600,000	700,000	1,910,000	200,000	4,099,000
Water System	115,295,501	38,558,877	7,405,000	16,435,650	32,550,088	12,380,615	7,965,271
Electric System	424,593,348	234,456,710	16,070,000	36,292,910	47,322,910	44,337,909	46,112,909
Technology Projects	34,755,730	10,535,125	3,809,369	3,313,500	3,303,500	1,308,636	12,485,600
Grand Total	1,050,590,693	564,305,398	64,357,929	87,206,670	107,369,809	69,545,699	157,805,188

Totals by Category

Attachment B - Changes to Printed FY 2017 Recommended CIP

Project	Printed FY 2017 Recommended CIP Book	Change/Revision
1 Robinson Park - Recreation Center Renovation (page 9.1)	Residential Impact Fee appropriation - \$500,000	Residential Impact Fee appropriation - \$2,638,757
2 Desiderio Park - Development of New Park (page 9.4)	Prop A (Parks) appropriation - \$500,000	Add Residential Impact Fee appropriation - \$100,000; Total appropriation = \$600,000
3 Pasadena Police Department Indoor Firing Range (page 1.3 & 1.5)	Pasadena Police Department Indoor Firing Range - Phase I & Pasadena Police Department Indoor Firing Range Improvements - Phase II Design	Projects combined into one project with total estimated project cost of \$500,000. Project will receive an appropriation of \$500,000 from savings from the Police Department's Operating Budget on the June 20, 2016 Operating Budget clean-up agenda report.
4 Police Mobile Data Computer Replacement (page 17.11)	Appropriation - \$0	Project will receive an appropriation of \$180,000 on the June 20, 2016 Operating Budget clean-up report and will be funded with savings from the Police Department's Operating Budget.
5 Restoration, Upgrades, and Repairs of the Civic Auditorium, Convention Center and Ice Rink (page 14.2)	Pasadena Center Operating Co - Facility Restoration Fund Appropriation - \$270,000	Pasadena Center Operating Co - Facility Restoration Fund Appropriation - \$200,000
6 Purchase of Dial-A-Ride Vehicles (page 5.37)	Appropriation - \$0	Federal Transit Admin Section 5310 Grant appropriation - \$524,700 and Prop C Local Transit Fund - \$117,680
7 Enterprise Resource Plan - Electric Systems (page 16.13)	Power Fund appropriation - \$2,211,449	Power Fund appropriation - \$660,000
8 Enterprise Resource Plan - Water Systems (page 15.13)	Water Fund appropriation - \$595,090	Water Fund appropriation - \$180,000
9 Sunset Disinfection System (page 15.7)	Sunset Perchlorate Treatment Plant	Change project name to <i>Sunset Disinfection System</i> and modify scope to include construction of water quality treatment plant.

Attachment C - Amendments to FY 2016 CIP Budget

Project/Fund Source	Appropriations Through FY 2016	Changes	Revised Appropriation
1 Restoration and Renovation of the Civic Auditorium Exhibition Hall			
Pasadena Center Capital Improvement Fund	600,000	0	600,000
Pasadena Center Operating Co - Facility Restoration Fund	0	111,000	111,000
Pasadena Center Operating Company	460,000	0	460,000
Total	1,060,000	111,000	1,171,000
2 Replacement or Installation of Security Lights - Various Locations (78901)			
CDBG	301,711	48,000	349,711
Private Capital	10,000	0	10,000
Residential Impact Fee	1,703,600	0	1,703,600
Tournament of Roses	56,000	0	56,000
Total	2,071,311	48,000	2,119,311
Citywide Park Accessibility Improvements (78068)			
CDBG	48,000	(48,000)	0
Residential Impact Fee	586,000	0	586,000
Total	634,000	(48,000)	586,000
3 Preventive Maintenance - Curb and Gutters FY 2016 / 2017 (73908)			
Sewer Maintenance and Construction Fund	300,000	0	300,000
Private Capital	0	174,978	174,978
Total	300,000	174,978	474,978
4 Preventive Maintenance - Curb and Gutters FY 2011 - 2016 (76903)			
Private Capital	1,008,794	293,123	1,301,917
Sewer Maintenance and Construction Fund	1,550,000	0	1,550,000
Total	2,558,794	293,123	2,851,917
5 Pilot Sidewalk Program (73604)			
Gas Tax	250,000	0	250,000
Private Capital	116,004	15,015	131,019
Total	366,004	15,015	381,019
6 Tree Replacement/Planting Citywide (78957)			
Green Trees for the Golden State Grant	100,000	0	100,000
Los Angeles County Proposition A (Parks)	300,000	0	300,000
State Environmental Enhancement Mitigation Grant	850,000	(400,000)	450,000
Street Tree Revenue Account	45,000	0	45,000
Total	1,295,000	(400,000)	895,000
7 Fire Protection System Improvements (1019)			
Water Fund	2,245,248	250,000	2,495,248
Total	2,245,248	250,000	2,495,248
Miscellaneous Water System Improvement FY 2017-2020 (1006)			
Water Fund	663,072	(250,000)	413,072
Total	663,072	(250,000)	413,072
8 Distribution System Life Cycle Management (3034)			
Power Fund	981,961	500,000	1,481,961
Total	981,961	500,000	1,895,033
Work Management System (3140)			
Power Fund	1,764,767	(500,000)	1,264,767
Total	1,764,767	(500,000)	1,264,767
Net Change to Capital Budget		194,116	



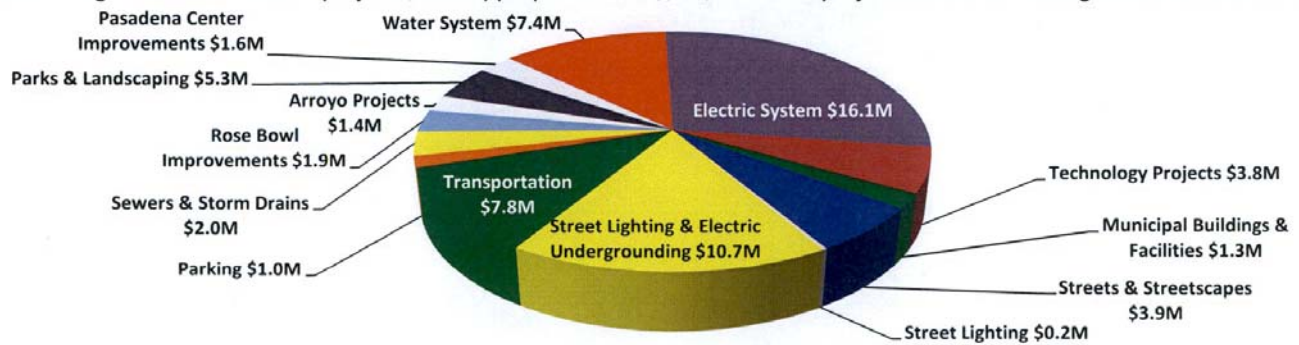
May 16, 2016

TO: The Honorable Mayor and City Council Members of the City of Pasadena

FROM: Steve Mermell, Interim City Manager

SUBJECT: Fiscal Year 2017 to 2021 Capital Improvement Program

It is my privilege to transmit the Fiscal Year 2017 to 2021 Capital Improvement Program (CIP) Budget. The CIP is a compilation of infrastructure and major maintenance projects designed to expand, enhance and/or preserve the foundation of this great city. The five-year CIP contains 229 active projects with a total estimated cost of \$1,050,590,693. The FY 2017 CIP budget contains 18 new projects, and appropriates \$64,357,929 to 88 projects in the CIP categories shown below:



Budget Overview

A major challenge involved in maintaining and enhancing capital needs is identifying funding. Capital projects are typically funded through local revenues, grants, long term debt financing, or pay-as-you go spending from special revenue sources. The recommended CIP utilizes all these financing options. City staff aggressively seeks grants for projects consistent with our needs as well as optimizing annual revenue received from the state and federal governments. Unfortunately, this is not enough to address all our capital deficiencies.

Some of the City's infrastructure has exceeded its useful life. In past years the City survived and thrived through deep economic decline, and continued to invest in its physical infrastructure -- but much more is necessary. Addressing major deferred maintenance and upgrades of City-owned infrastructure is one of our basic, core responsibilities. The City has adopted master plans that identify optimal funding levels for improving and maintaining streets, parks, sewers, and substations. Over the last several years we have not met the targets outlined in these master plans. Pasadena must strategically develop a funding plan that moves us towards these goals.

Although \$64.3 million is being appropriated to this year's CIP, the Future Projects section of the CIP document identifies an additional 71 projects with an estimated cost of \$302 million. In addition, of the 18 new projects being added in FY 2017, 14 are unfunded and have a cost of \$11 million. The projects in the Future Projects Section are not part of the five-year CIP funding plan but provide a larger picture of the City's total outstanding need. Some of the more significant unfunded items include expanding and upgrading fire stations, street and sewer improvements, and implementing park master plans at Memorial and Washington Parks and in the Arroyo Seco. New and additional funding must be identified if the City is to ever address its large backlog of unfunded infrastructure replacements and improvements.

CAPITAL BUDGET PRIORITIES

The FY 2017 Adopted CIP budget addresses and furthers the City Council's Strategic Plan Goals which are to:

- Maintain fiscal responsibility and stability;
- Improve, maintain and enhance public facilities and infrastructure;
- Increase conservation and sustainability;
- Improve mobility and accessibility throughout the city;
- Support and promote the quality of life and local economy; and
- Ensure public safety.

In addition, project managers consider the following priorities when they evaluate, identify and create CIP projects and recommend funding:

The project is needed to address a particular safety concern;

The project is necessary because existing maintenance efforts are no longer satisfactory and repair costs exceed the replacement cost;

An existing facility or system is no longer adequate to meet the demand; and

The project cost exceeds \$75,000.

CAPITAL BUDGET HIGHLIGHTS

The following budget highlights demonstrate how the CIP furthers the City Council's goals and priorities.

Maintain fiscal responsibility and stability

The FY 2017 CIP budget demonstrates the City's commitment to maintain both fiscal responsibility and stability while preserving, expanding and enhancing the City's infrastructure. The CIP budget helps Pasadena plan for the future. It allows us to identify and fund new construction and major maintenance projects throughout the City that helps to enhance the quality of life for residents and visitors alike.

A significant portion of the funding for the FY 2017 CIP is derived from restricted State (e.g. Gas Tax and TDA Article 3) and local (e.g. Residential Impact Fee, Sewer Maintenance and Construction Fund, Off-Street Parking Facility Fund, Water Fund, and Power Fund) funding sources. Unfortunately, over the past two fiscal years there has been a significant reduction in the Gas Tax revenue of approximately \$1.4 million and it is anticipated to continue to drop in FY 2017 by approximately another \$400,000. We use this important funding source for street and transportation projects in the CIP budget and road maintenance efforts in the operating budget. This decline has caused cuts to several programs that are fully or partially funded with Gas Tax such as *Resurfacing and Slurry Sealing, Improvement of Alleys and Concrete Streets, Pedestrian Accessibility, Mobility Corridor Improvements, Citywide Complete Street Program, ITS Equipment Enhancements, and Arterial Speed Management.*

Because the funding options available for CIP projects are limited, this presents a challenge for some of the larger CIP projects that either do not have a dedicated funding source or where the funding source is limited. Identifying grant opportunities is one way to bridge this gap. As part of the FY 2017 CIP budget, five projects were awarded grants totaling just over \$5.5 million from Federal and State sources. While this is noteworthy, it only moderately addresses funding gaps.

Improve, maintain and enhance public facilities and infrastructure

A primary focus of the CIP is to improve, maintain and enhance the City's public facilities and infrastructure. Highlights include:

- The *La Loma Bridge - Rehabilitation* project will complete construction in FY 2017. This \$16.7 million project was created in 1983 and with the receipt of approximately \$13 million from the Federal Highway Bridge Program this historic structure will be rehabilitated.
- The *Building Preventive Maintenance* project will receive \$1 million to address building maintenance needs. Part of the FY 2017 work plan will include energy efficient upgrades, safety improvements, deferred maintenance and ADA improvements at various buildings.
- The City's commitment to replace deteriorated restrooms at City parks continues in the FY 2017 CIP budget. An appropriation of \$1 million will allow for the construction of the restrooms at Eaton-Blanche Park and the design of the restrooms at Victory Park.
- An additional appropriation of \$1 million will allow for the completion of ADA improvements, and deferred maintenance at the DeLacey, Schoolhouse, Marriott, Paseo, Marengo, Los Robles, Holly Street, Del Mar Station, and Plaza Las Fuentes parking garages. This will help prolong the City's investment, as well as meet safety and maintenance standards.
- The south façade of Central Library will be restored in FY 2017. The restoration work will include cleaning, repair and waterproofing of exterior cast stone elements in the main hall area, painting of the grand windows and repair of the existing roof system at the patio and main entry of the library. This work is partially funded by the Pasadena Public Library Foundation's capital campaign which raised \$150,000 towards this project.

Increase conservation and sustainability

The CIP promotes the City Council's vision for a safe, healthy and sustainable environment by incorporating environmentally sound standards into all improvements when available. Notable efforts in this year's CIP are:

- The installation of energy efficient street lights and traffic signal indicators through the *In-Fill Street Lighting and Repair and/or Replacement of Existing Street Lighting Systems and Traffic Signal Indication Safety Improvements - Phase II* projects;
- The *Detections of Bicycles at Intersections Controlled by Traffic Signals* project will promote bicycle riding for commuting and recreation, thereby increasing the use of non-motorized modes of transportation within the City; and

- The *Arroyo Spreading Basin and Intake Structures* project enhances the Arroyo Seco Canyon area and captures water runoff, diverting water to existing ponds for groundwater storage recharge.
- The *Recycled Water* project augments Pasadena's fresh water resources by constructing a new non-potable water distribution system to deliver water for landscape irrigation of large turf areas such as golf courses, parks, schools, and for industrial cooling processes.

Improve mobility and accessibility throughout the city

Many projects in the Transportation and the Streets and Streetscapes sections enhance and improve mobility and accessibility throughout the City. Traffic management remains a key element of the CIP budget.

- Responses to changing traffic conditions, including signal synchronization, traveler information, and traffic monitoring and control devices are all part of the FY 2017 CIP in such projects as *Intelligent Transportation System (ITS) Project Phases I, II and III, Left Turn Signal Phasing at Colorado Boulevard and Orange Grove Boulevard and at Orange Grove Boulevard and Holly Street, Left Turn Signal Phasing at Fair Oaks Ave and Colorado Blvd, Traffic Operations Improvements, Mobility Corridors – Rose Bowl Access Systems, Implementation of a Citywide Transportation Performance Monitoring Network and ITS Equipment Upgrades*. This year approximately \$2.4 million is appropriated to these project;
- Well maintained streets and roads, sidewalks, wheelchair ramps, bridges, guard rails, and storm drains allow for the safe mobility of residents and visitors within our City and help to provide better accessibility. The FY 2017 CIP appropriates over \$3.9 million for these types of projects through the *Resurfacing and Slurry Sealing, Preventive Maintenance – Curbs and Gutters, Pedestrian Accessibility, Installation/Replacement of Guard Rails, Preventive Maintenance – Bridges, Drainage Improvements on Streets with Flat Grades, and Storm Drain Structure Repairs and Improvements*; and
- The CIP emphasizes the ability to move through the City without an automobile in projects such as the *Pasadena Bicycle Program, Gold Line Phase I – Project Enhancements, Pedestrian Accessibility, Pedestrian Safety Enhancements at Signalized Intersections, Detection of Bicycles at Intersections Controlled by Traffic Signals, Pedestrian Crossing Enhancements Program, Purchase of 8 Replacement Transit Vehicles and 4 Expansion Fixed-Route Transit Vehicles, and Bus Stop Improvement Program*. In FY 2017, \$2.3 million is appropriated to *Purchase of 8 Replacement Transit Vehicles and 4 Expansion Fixed-Route Transit Vehicles* project for the purchase of four large capacity expansion vehicles. In addition, \$2.1 million is appropriated to the *Complete Streets Project – Cordova Street from Hill Avenue to Arroyo Parkway* project. This project will deemphasize car trips while promoting bicycling and walking trips, as well as facilitate the implementation of the bicycle network included within the City's Bicycle Master Plan.

Support and promote the quality of life and local economy

Another focus of the CIP involves improving the quality of life in Pasadena. All of the safety issues, preventive maintenance efforts, as well as the projects within the various specific and streetscape plans, park improvement projects, and efforts to improve the Pasadena Center and Rose Bowl make Pasadena a desirable place to live, work and play.

Most notable as part of the FY 2017 CIP is \$6.3 million of improvements to various City parks including: resurfacing of the tennis courts and repair of fencing at Brookside Park; design of the softball field and fence, tennis court fences, and basketball court repairs at Grant Park, construction of a restroom building at Eaton-Blanche Park and design of restroom at Victory Park; construction of the Robinson Park Recreation Center Renovation project and initial park construction at Desiderio Park.

The continuation of the *Pasadena Wayfinding System* project, implements a wayfinding system to guide users to and from their destinations. This creates a sense of community and improves access, identification, and connectivity to adjacent areas with the ultimate goal of promoting economic vitality through convenient destination finding signage in local shopping areas.

Finally, as part of the City's ongoing commitment to enhancing the quality of life and the local economy, the CIP notes all projects located in Northwest Pasadena. The northwest area of Pasadena is home to over 50,000 residents and over 200 businesses. This diverse community continues to experience successful economic revitalization and rebirth with recent development projects. There are currently 28 existing CIP projects located partially or completely in Northwest Pasadena with approximately \$13.3 million appropriated in FY 2017.

Ensure public safety

Elements of public safety are incorporated throughout the CIP in a wide array of projects. Proper maintenance and repairs of buildings, roads, and bridges minimizes potential hazards to the public and is enhanced through a variety of improvements and projects in the Parks, Transportation, and Parking sections. Traffic mitigation measures help to reduce the number of traffic accidents and injuries to motorists, cyclists and pedestrians. Public safety is also achieved through ADA accessibility improvements in public facilities, parking garages, and parks. Examples of projects that enhance public safety include:

- The *Pedestrian Safety Enhancements at Signalized Intersections, Pedestrian Crossing Enhancements Program, and Pedestrian Accessibility* projects which will improve pedestrian safety throughout the City;

- The *Detection of Bicycles at Intersections Controlled at Traffic Signals, Complete Street Project – Union Street Cycle Track*, and the *Pasadena Bicycle Program* projects which will enhance cyclist safety; and
- The *Mobility Corridor improvements, Safety Enhancements at Lincoln Avenue/Forest Avenue and Lincoln Avenue/Mountain Street, Left Turn Signal Phasing at Fair Oaks Avenue and Colorado Ave, and Arterial Speed Management* projects which enhance vehicular safety throughout the City.

CONCLUSION

The Fiscal Year 2017 – 2021 CIP represents the City Council's commitment to maintaining and improving the City's infrastructure to enhance the quality of life in Pasadena. As demonstrated in the body of this letter, the capital program has been carefully crafted to forward the City Council's goals. There is still, however, too much to do. In the coming year, my office will continue to identify the highest priorities and potential funding options so that we position the City to maintain its world class distinction.

Respectfully Submitted,



STEVE MERMELL
Interim City Manager