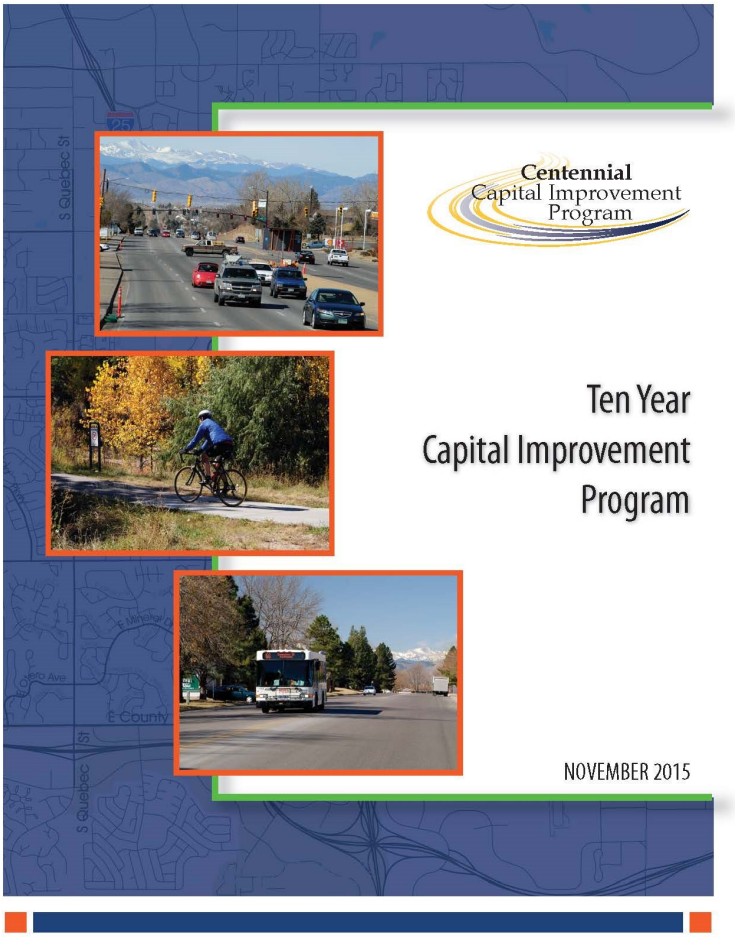
Capital Improvement Program

Capital Improvement Program Overview



The City of Centennial Capital Improvement Program (CIP) is comprised of three funds: Capital Improvement Fund, Open Space Fund, and Conservation Trust Fund. The program is coordinated by the Public Works Department, while individual projects are managed by members of the Public Works Department and its contractors, Community Development Department, Facilities & Fleet, and the City Manager's Office.

The CIP includes a ten-year plan developed to meet the needs for new infrastructure, replacement of existing infrastructure, and capital projects throughout the community. The plan is developed using the strategies set forth in the City's Transportation Master Plan.

The Capital Improvement Fund is used for the City's transportation and safety infrastructure as well as the major maintenance of City facilities (such as the Civic Center) that are owned by the City. Funding typically comes from the City's General Fund revenues along with grants. The Open Space Fund and the Conservation Trust Fund work in tandem to fund the maintenance and enhancement of the City's network of parks, open spaces, and trails. The Open Space Fund revenue is generated by the Arapahoe County Open Space Tax, which restricts how funds may be used. The Conservation Trust Fund is funded by the State lottery program and is also restricted in its uses.

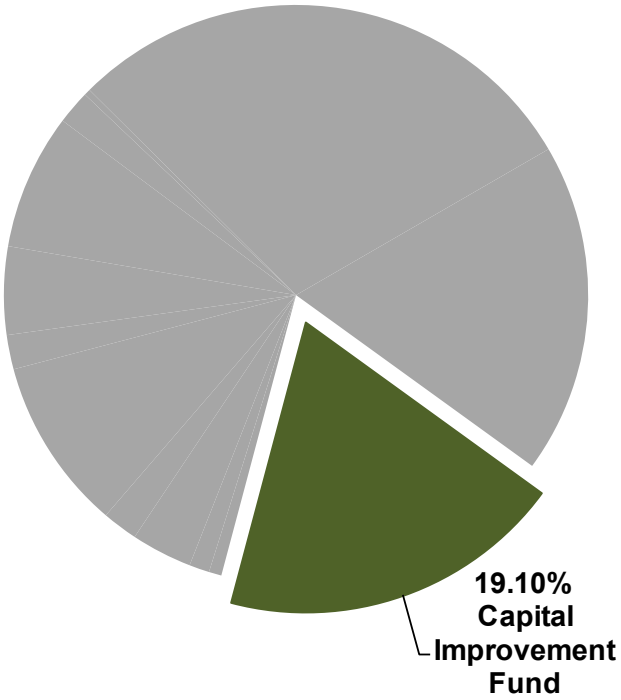
The City of Centennial currently has far more capital needs than resources to fund them. More than 80 percent (80%) of the land within the City is currently developed and much of the infrastructure has been in place for more than 25 years. Through proper assessment, and planning and development of a Capital Improvement Program, the most critical needs are identified and prioritized through an objective and open process. City funds are also supplemented by other funding supplied by grants and partnerships. These other funding sources are actively pursued by the City to allow a leveraging of the City's money to benefit the City.

A separate summary for each project included in the 2017 Budget is included on the following pages. Each project summary contains information pertaining to the project including other funding sources and operational and maintenance costs. The incremental cost of operating and maintaining new capital assets is noted on individual project sheets, if applicable. The City contracts many maintenance services and is unable to determine the per project maintenance cost due to the lump sum nature of the contract. Additionally, the City partners with recreation districts for many of the parks, open space and trails projects; in these cases the City is not responsible for the operating and maintenance costs of the asset.

CAPITAL IMPROVEMENT FUND

The Capital Improvement Fund (CIF) revenue is primarily generated through a transfer from the General Fund. Other revenue includes grants, developer contributions, and pavement restoration fees from the Public Works right-of-way permitting program. Projects in the CIF are generally related to the construction and rehabilitation of the City street network (including pavement, concrete and traffic signals). In addition to these projects, general capital projects related to the Civic Center are also included in the CIF.

2017 Expenditures
Capital Improvement Fund



This graph illustrates the percentage of this function's expenditures to the operating budget of all fund types.

Capital Improvement Fund
Budget Summary by Budget Category

	2015 Actual	2016 Adopted	2016 Revised	2017 Proposed	2016 Adopted/ 2017 Budget $ Chg	% Chg
Other Services & Supplies	$ 319,765	$ 325,000	$ 732,000	$ 1,611,000	$ 1,286,000	395.7%
Capital Outlay	14,390,991	15,565,000	55,163,910	14,840,000	(725,000)	-4.7%
TOTAL	**$ 14,710,756**	**$ 15,890,000**	**$ 55,895,910**	**$ 16,451,000**	**$ 561,000**	**3.5%**

Overview: Projects in the CIF are generally managed by staff in the Public Works Department, but staff in other departments may also manage projects in the fund. Overall program and fund coordination is provided by the Engineering Division of the Community Development Department, along with members of the Finance Department and the City Manager's Office. Project selection and recommendations are prepared by the City's Capital Improvement Program (CIP) Committee, which is comprised of City Staff.

The largest portion of the CIF is the City's pavement management program, which is responsible for projects that extend the life of the City's street network. The City has a goal of establishing and maintaining a high Pavement Condition Index (PCI) rating of the City's streets. In order to accomplish this goal, annual funding must be provided for pavement and concrete rehabilitation work.

Prior-Year Accomplishments:

City Services

- Maintained a "Good" pavement condition indext in the 70 to 80 range through effective use of various roadway treatments.
- Substantially completed construction of the Arapahoe Road - Waco Street to Himalaya Way widening project.
- Constructed new infill sidewalk on Yosemite Street, south of Arapahoe Road.
- Completed the City's first Intelligent Traffic Systems (ITS) Master Plan.

Community Quality of Life/Citizen Engagement

- Continued outreach programs to inform citizens of significant pavement rehabilitation programs.
- Continued to respond within two business days to citizen concerns and requests related to ongoing or proposed CIP projects.

Economic Health

- Completed all CIP projects within established budgets.
- Proactively investigated and applied for all eligible grants.

Environment

- Utilized heater-repave construction process for the mill and overlay of Buckley Road, south of Smoky Hill Road, which recycled existing pavement materials, resulting in reductions in the CIty's carbon footprint and preservation of natural resources.

Performance Measurement:	Expected / Historical Average:	2016 Estimated:	2017 Projected:
Centerline Street Miles Reconstructed:	▪ 0.79	▪ 1.0	▪ 0.5
Centerline Street Miles Mill & Overlay:	▪ 15.38	▪ 15.0	▪ 18.0
Centerline Street Miles Surface Treated:	▪ 12.83	▪ 10.0	▪ 12.0

Goals and Objectives:

City Services

- Continue to update and monitor formal performance measures for the CIP program.
- Maintain a pavement condition index in the 70s through effective use of various roadway treatments.

Community Quality of Life/Citizen Engagement

- Continue outreach programs to inform citizens of significant pavement rehabilitation programs.
- Continue to respond to citizen concerns and requests related to ongoing or proposed CIP projects within two business days.

Economic Health

- Complete all CIP projects within established budgets.
- Proactively investigate and apply for all eligible grants.

Environment

- Investigate pavement recycling materials and other innovative applications to be used as part of the annual program.

2017-2021 Capital Improvement Program

Project Name: **General Transportation Studies**

Project Type: Professional Services First Shown in CIP: 2012 Council District: All

Project Description: One time transportation studies and/or participation in transportation sytems studies with other agencies and jurisdictions.

Goals Met: Quality of Life, Economic Health, Environment

ESTIMATED FUNDING SCHEDULE:

	Prior Funding	2017	2018	2019	2020	2021	TOTAL
Design and CM:	$ 250,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 500,000
Land Acquisition:	-	-	-	-	-	-	-
Construction:	-	-	-	-	-	-	-
Subtotal	$ 250,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 500,000
Funds from other Sources:	-	-	-	-	-	-	$ -
	-	-	-	-	-	-	$ -
Funding:	$ 250,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 500,000

City total portion

Total Design & CM Costs:	$	500,000
Total Land Acquisition Costs:	$	-
Total Construction Costs:	$	-
Total City Project Costs:	$	500,000

Annual O&M Impacts: This is a planning study that will not directly create new annual costs.

PROJECT LOCATION:

2017-2021 Capital Improvement Program

Project Name: **Building Maintenance & Improvements**

Project Type: Facilities First Shown in CIP: 2010 Council District: All

Project Description: Scheduled repair or replacement of structural components, mechanical and electrical systems, plumbing or other vital systems of the Civic Center and the Public Works Facility.

Goals Met: City Services, Quality of Life, Environment

ESTIMATED FUNDING SCHEDULE:

		Prior Funding	2017	2018	2019	2020	2021	TOTAL
Design and CM:		$ 709,092	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 1,459,092
Land Acquisition:		-	-	-	-	-	-	-
Construction:		-	-	-	-	-	-	-
Subtotal		$ 709,092	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 1,459,092
Funds from other Sources:	**EECBG**	109,092	-	-	-	-	-	$ 109,092
		-	-	-	-	-	-	$ -
Funding: *City total portion*		$ 600,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 1,350,000

Total Design & CM Costs:	$ 1,459,092
Total Land Acquisition Costs:	$ -
Total Construction Costs:	$ -
Total City Project Costs:	$ 1,350,000

Annual O&M Impacts: This project does not create new annual O&M costs, but does address capital O&M needs for the Civic Center.

PROJECT LOCATION:

2017-2021 Capital Improvement Program

Project Name: **Building Contingency**
Project Type: Facilities — First Shown in CIP: 2011 — Council District: All

Project Description: This project is for the repair or replacement of major components of the Civic Center and the Public Works Facility, such as HVAC, roof and other systems that cannot be funded in the annual maintenance budget. Funds not used in any year are carried to the next to account for larger expenditures.

Goals Met: City Services, Quality of Life, Environment

ESTIMATED FUNDING SCHEDULE:

	Prior Funding	2017	2018	2019	2020	2021	TOTAL
Design and CM:	$ 350,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 600,000
Land Acquisition:	-	-	-	-	-	-	-
Construction:	-	-	-	-	-	-	-
Subtotal	$ 350,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 600,000
Funds from other Sources:	-	-	-	-	-	-	$ -
	-	-	-	-	-	-	$ -
Funding: *City total portion*	$ 350,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 600,000

Total Design & CM Costs:	$	600,000
Total Land Acquisition Costs:	$	-
Total Construction Costs:	$	-
Total City Project Costs:	$	600,000

Annual O&M Impacts: This project does not create new annual O&M costs. Depending on projects completed there may be a reduction in costs for systems that are replaced.

PROJECT LOCATION:

2017-2021 Capital Improvement Program

Project Name: **Grant Match Funds / Other**

Project Type: Streets & Intersections First Show n in CIP : 2012 Council District: ALL

Project Description: Provide matches to grants from other agencies and jurisdictions for street and intersection projects. Specific projects are dependent on grants awarded to and accepted by the City.

Goals Met: Quality of Life, Economic Health, Environment

ESTIMATED FUNDING SCHEDULE:

	Prior Funding	2017	2018	2019	2020	2021	TOTAL
Design and CM:	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land Acquisition:	-	-	-	-	-	-	-
Construction:	375,000	75,000	75,000	75,000	75,000	75,000	750,000
Subtotal	$ 375,000	$ 75,000	$ 75,000	$ 75,000	$ 75,000	$ 75,000	$ 750,000
Funds from other Sources:	-	-	-	-	-	-	$ -
	-	-	-	-	-	-	$ -
Funding: *City total portion*	$ 375,000	$ 75,000	$ 75,000	$ 75,000	$ 75,000	$ 75,000	$ 750,000

Total Design & CM Costs:	$	-
Total Land Acquisition Costs:	$	-
Total Construction Costs:	$	750,000
Total City Project Costs:	$	750,000

Annual O&M Impacts: Specific costs for O & M will be determined when a project is selected for funding and construction.

PROJECT LOCATION:

2017-2021 Capital Improvement Program

Project Name: **Infill Sidewalk Program**

Project Type: Sidewalks | First Shown in CIP: 2012 | Council District: ALL

Project Description: The program is for the construction of new or missing sidewalk segments throughout the City and may also be used to match grants for sidewalk projects. Specific projects will be identified based upon prioritized need and other funding sources available.

Goals Met: Quality of Life, Economic Health, Environment

ESTIMATED FUNDING SCHEDULE:

	Prior Funding	2017	2018	2019	2020	2021	TOTAL
Design and CM:	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land Acquisition:	-	-	-	-	-	-	-
Construction:	410,543	75,000	75,000	75,000	75,000	75,000	785,543
Subtotal	$ 410,543	$ 75,000	$ 75,000	$ 75,000	$ 75,000	$ 75,000	$ 785,543
Funds from other Sources:	-	-	-	-	-	-	$ -
	-	-	-	-	-	-	$ -
Funding: *City total portion*	$ 410,543	$ 75,000	$ 75,000	$ 75,000	$ 75,000	$ 75,000	$ 785,543

Total Design & CM Costs:	$	-
Total Land Acquisition Costs:	$	-
Total Construction Costs:	$	785,543
Total City Project Costs:	$	785,543

Annual O&M Impacts: Additional O&M costs for these projects are expected to be minimal and will be absorbed in the Public Works operating budget.

PROJECT LOCATION:

2017-2021 Capital Improvement Program

Project Name: **Signal Communication Improvements**

Project Type: Various Traffic — First Shown in CIP: 2009 — Council District: All

Project Description: This project will install communications with existing traffic signals to reduce delays and inefficiencies that occur without communication between signals.

Goals Met: City Services, Quality of Life, Environment

ESTIMATED FUNDING SCHEDULE:

		Prior Funding	2017	2018	2019	2020	2021	TOTAL
Design and CM:		$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land Acquisition:		-	-	-	-	-	-	-
Construction:		2,251,235	140,000	140,000	140,000	140,000	140,000	2,951,235
Subtotal		$ 2,251,235	$ 140,000	$ 140,000	$ 140,000	$ 140,000	$ 140,000	$ 2,951,235
Funds from other Sources:	**DRCOG/ CDOT**	1,216,867	-	-	-	-	-	$ 1,216,867
		-	-	-	-	-	-	$ -
Funding: *City total portion*		$ 1,034,368	$ 140,000	$ 140,000	$ 140,000	$ 140,000	$ 140,000	$ 1,734,368

Total Design & CM Costs:	$ -
Total Land Acquisition Costs:	$ -
Total Construction Costs:	$ 2,951,235
Total City Project Costs:	$ 1,734,368

Annual O&M Impacts: Costs for maintenance of new equipment are anticipated to be $4,000 and will be addressed in the Public Works operating budget for traffic signal maintenance and repair.

PROJECT LOCATION:

2017-2021 Capital Improvement Program

Project Name: **Neighborhood Traffic Management Program**
Project Type: Streets and Intersections First Shown in CIP: 2010 Council District: All

Project Description: City-wide neighborhood traffic management improvements.

Goals Met: City Services, Quality of Life, Environment

ESTIMATED FUNDING SCHEDULE:

		Prior Funding	2017	2018	2019	2020	2021	TOTAL
Design and CM:		$ 400,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 1,150,000
Land Acquisition:		-	-	-	-	-	-	-
Construction:		-	-	-	-	-	-	-
Subtotal		$ 400,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 1,150,000
Funds from other Sources:	Federal	-	-	-	-	-	-	$ -
	Local	-	-	-	-	-	-	$ -
Funding: *City total portion*		$ 400,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 1,150,000

Total Design & CM Costs:	$ 1,150,000
Total Land Acquisition Costs:	$ -
Total Construction Costs:	$ -
Total City Project Costs:	$ 1,150,000

Annual O&M Impacts: Additional O&M costs for these projects are expected to be minimal and will be absorbed in the Public Works operating budget.

PROJECT LOCATION:

2017-2021 Capital Improvement Program

Project Name: **Street Rehabilitation Program**

Project Type: Rehabilitation - Roadway | First Show n in CIP : 2009 | Council District: All

Project Description: This project includes pavement reconstruction, overlay, surface treatment and concrete repair for streets identified in the pavement management program for locations throughout the City.

Goals Met: City Services, Quality of Life, Environment

ESTIMATED FUNDING SCHEDULE:

	Prior Funding	2017	2018	2019	2020	2021	TOTAL
Design and CM:	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land Acquisition:	-	-	-	-	-	-	-
Construction:	42,527,579	10,200,000	6,600,000	6,600,000	6,600,000	6,600,000	79,127,579
Subtotal	$ 42,527,579	$ 10,200,000	$ 6,600,000	$ 6,600,000	$ 6,600,000	$ 6,600,000	$ 79,127,579
Funds from other Sources:	-	-	-	-	-	-	$ -
	-	-	-	-	-	-	$ -
Funding: *City total portion*	$ 42,527,579	$ 10,200,000	$ 6,600,000	$ 6,600,000	$ 6,600,000	$ 6,600,000	$ 79,127,579

Total Design & CM Costs:	$ -
Total Land Acquisition Costs:	$ -
Total Construction Costs:	$ 79,127,579
Total City Project Costs:	$ 79,127,579

Annual O&M Impacts: No additional annual O&M costs are created with this program. The pavement management program adds life to street pavement and reduces annual street maintenance.

PROJECT LOCATION:

2017-2021 Capital Improvement Program

Project Name: **Arapahoe Road and Big Dry Creek Bridge**

Project Type: Rehabilitation - Major Structures First Shown in CIP : 2014 Council District: 2

Project Description: First of five yearly contributions to a design for a multi-agency project to rehabilitate the Arapahoe Road bridge over Big Dry Creek.

Goals Met: City Services, Quality of Life, Environment

ESTIMATED FUNDING SCHEDULE:

	Prior Funding	2017	2018	2019	2020	2021	TOTAL
Design and CM:	$ 300,000	$ 100,000	$ 100,000	$ -	$ -	$ -	$ 500,000
Land Acquisition:	-	-	-	-	-	-	-
Construction:	-	-	-	-	-	-	-
Subtotal	$ 300,000	$ 100,000	$ 100,000	$ -	$ -	$ -	$ 500,000
Funds from other Sources:	-	-	-	-	-	-	$ -
	-	-	-	-	-	-	$ -
Funding: *City total portion*	$ 300,000	$ 100,000	$ 100,000	$ -	$ -	$ -	$ 500,000

Total Design & CM Costs:	$	500,000
Total Land Acquisition Costs:	$	-
Total Construction Costs:	$	-
Total City Project Costs:	$	500,000

Annual O&M Impacts: The maintenance responsibilites for this bridge will be shared by the City and SEMSWA.

PROJECT LOCATION:

2017-2021 Capital Improvement Program

Project Name: **Minor Structures**

Project Type: Rehabilitation - Minor Structures | First Shown in CIP: 2014 | Council District: All

Project Description: Funds to address high priority bridge maintenance and repair. Also covers contingency funding for emergency repairs to fences, guard rails, etc.

Goals Met: City Services, Quality of Life, Environment

ESTIMATED FUNDING SCHEDULE:

	Prior Funding	2017	2018	2019	2020	2021	TOTAL
Design and CM:	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land Acquisition:	-	-	-	-	-	-	-
Construction:	150,000	50,000	50,000	50,000	50,000	50,000	400,000
Subtotal	$ 150,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 400,000
Funds from other Sources:	-	-	-	-	-	-	$ -
	-	-	-	-	-	-	$ -
Funding: *City total portion*	$ 150,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 400,000

Total Design & CM Costs:	$	-
Total Land Acquisition Costs:	$	-
Total Construction Costs:	$	400,000
Total City Project Costs:	$	400,000

Annual O&M Impacts: Ongoing maintenance will be covered through the Public Works Contract and CIP maintenance funds.

PROJECT LOCATION:

2017-2021 Capital Improvement Program

Project Name: **County Line Road Widening - University to Broadway**

Project Type: Streets and Intersections | First Shown in CIP: 2017 | Council District: 1

Project Description: Widening of County Line Road between University and Broadway. Joint project with Douglas County that includes Federal funding.

Goals Met: City Services, Quality of Life, Environment

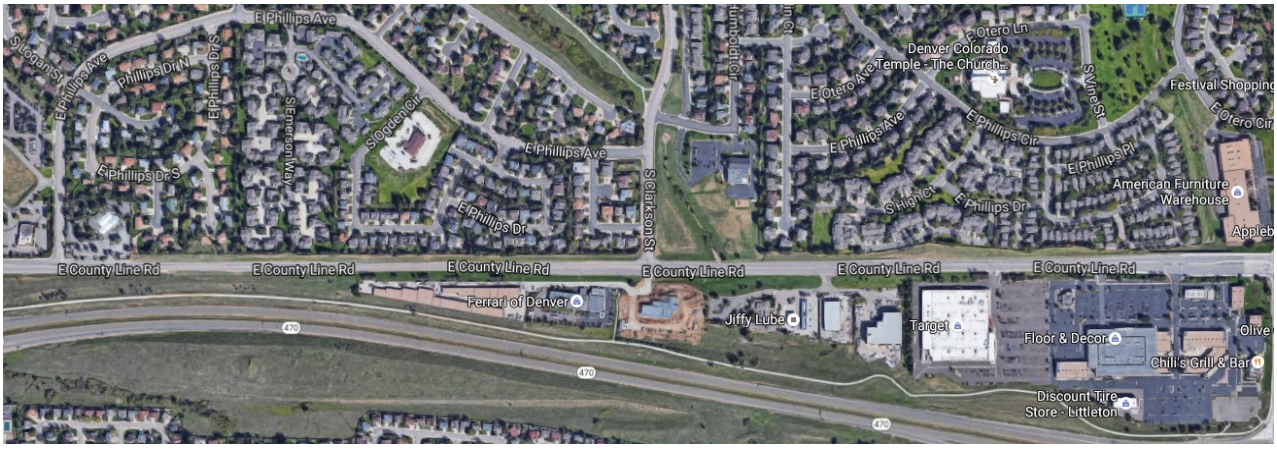
ESTIMATED FUNDING SCHEDULE:

	Prior Funding	2017	2018	2019	2020	2021	TOTAL
Design and CM:	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land Acquisition:	-	-	-	-	-	-	-
Construction:	-	1,350,000	2,100,000	550,000	-	-	4,000,000
Subtotal	$ -	$ 1,350,000	$ 2,100,000	$ 550,000	$ -	$ -	$ 4,000,000
Funds from other Sources:	-	-	-	-	-	-	$ -
	-	-	-	-	-	-	$ -
Funding: *City total portion*	$ -	$ 1,350,000	$ 2,100,000	$ 550,000	$ -	$ -	$ 4,000,000

Total Design & CM Costs:	$ -
Total Land Acquisition Costs:	$ -
Total Construction Costs:	$ 4,000,000
Total City Project Costs:	$ 4,000,000

Annual O&M Impacts: Annual cost for pavement maintenance will be wrapped into the City's existing Public Works General Fund contracts.

PROJECT LOCATION:



2017-2021 Capital Improvement Program

Project Name: **Quincy Avenue Widening**

Project Type: Streets and Intersections — First Shown in CIP: 2016 — Council District: 4

Project Description: Funds for construction of the ultimate widening of Quincy Avenue at Flanders Street. Joint project with City of Aurora.

Goals Met: City Services, Quality of Life, Environment

ESTIMATED FUNDING SCHEDULE:

		Prior Funding	2017	2018	2019	2020	2021	TOTAL
Design and CM:		$ 250,000	$ -	$ -	$ -	$ -	$ -	$ 250,000
Land Acquisition:		-	-	-	-	-	-	-
Construction:		-	1,500,000	-	-	-	-	1,500,000
Subtotal		$ 250,000	$ 1,500,000	$ -	$ -	$ -	$ -	$ 1,750,000
Funds from other Sources:	**Developer Contribution**	-	200,000	-	-	-	-	$ 200,000
		-	-	-	-	-	-	$ -
Funding: *City total portion*		$ 250,000	$ 1,300,000	$ -	$ -	$ -	$ -	$ 1,550,000

Total Design & CM Costs:	$ 250,000
Total Land Acquisition Costs:	$ -
Total Construction Costs:	$ 1,500,000
Total City Project Costs:	$ 1,550,000

Annual O&M Impacts: Additional pavement width will be maintained through the City's annual street rehabilitation program.

PROJECT LOCATION:

2017-2021 Capital Improvement Program

Project Name: **I-25/Dry Creek Pedestrian Crossing**

Project Type: Sidewalks First Shown in CIP: 2017 Council District: 3

Project Description: Add multi-use path for crossing and improve connection to light rail station and future trail connections.

Goals Met: City Services, Quality of Life, Environment

ESTIMATED FUNDING SCHEDULE:

		Prior Funding	2017	2018	2019	2020	2021	TOTAL
Design and CM:		$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land Acquisition:		-	-	-	-	-	-	-
Construction:		-	250,000	-	-	-	-	250,000
Subtotal		$ -	$ 250,000	$ -	$ -	$ -	$ -	$ 250,000
Funds from other Sources:	**Developer Contribution**	-	-	-	-	-	-	$ -
		-	-	-	-	-	-	$ -
Funding: *City total portion*		$ -	$ 250,000	$ -	$ -	$ -	$ -	$ 250,000

Total Design & CM Costs:	$	-
Total Land Acquisition Costs:	$	-
Total Construction Costs:	$	250,000
Total City Project Costs:	$	250,000

Annual O&M Impacts: New sidewalk will be maintained through the City's existing General Fund contracts.

PROJECT LOCATION:

2017-2021 Capital Improvement Program

Project Name: **Dry Creek and University Pedestrian Improvements**

Project Type: Sidewalks First Shown in CIP: 2017 Council District: 1/2

Project Description: Improvements to pedestrian crossings at intersection, including a possible raised crosswalk at right lane.

Goals Met: City Services, Quality of Life, Environment

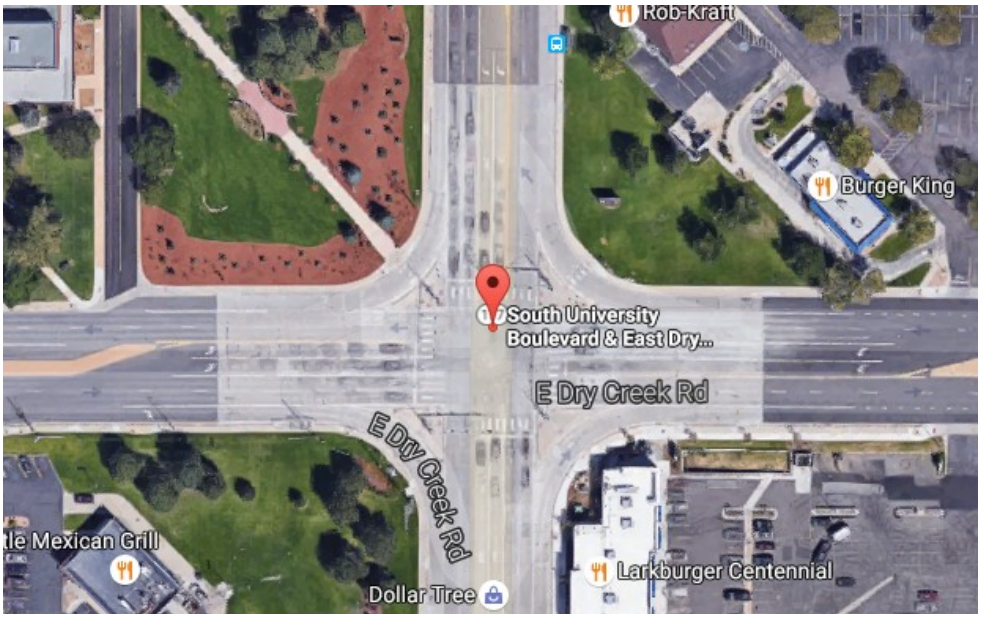
ESTIMATED FUNDING SCHEDULE:

		Prior Funding	2017	2018	2019	2020	2021	TOTAL
Design and CM:		$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land Acquisition:		-	-	-	-	-	-	-
Construction:		-	20,000	-	-	-	-	20,000
Subtotal		$ -	$ 20,000	$ -	$ -	$ -	$ -	$ 20,000
Funds from other Sources:	**Developer Contribution**	-	-	-	-	-	-	$ -
		-	-	-	-	-	-	$ -
Funding: *City total portion*		$ -	$ 20,000	$ -	$ -	$ -	$ -	$ 20,000

Total Design & CM Costs:	$	-
Total Land Acquisition Costs:	$	-
Total Construction Costs:	$	20,000
Total City Project Costs:	$	20,000

Annual O&M Impacts: New sidewalk will be maintained through the City's existing General Fund contracts.

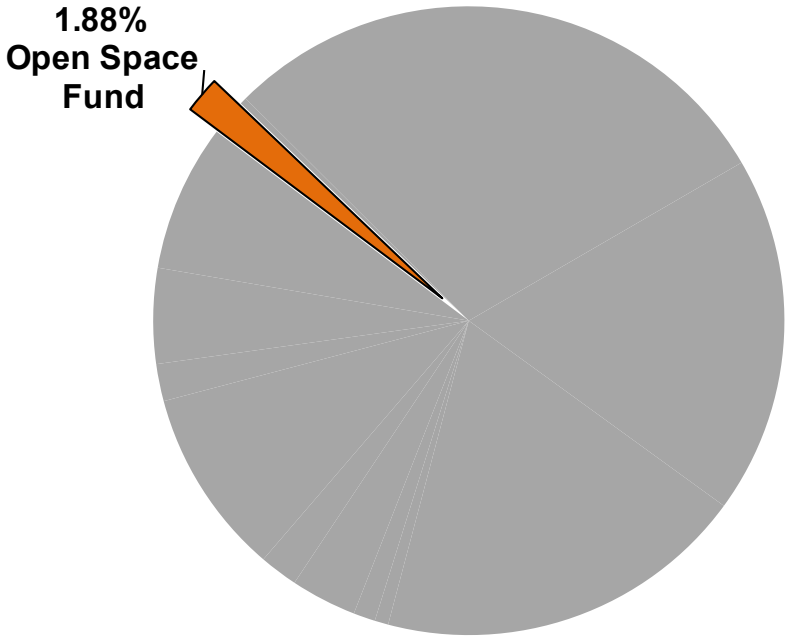
PROJECT LOCATION:



OPEN SPACE FUND

In 2003 and 2011, voters approved a county-wide ¼ cent sales tax to pay for the preservation of open space in Arapahoe County. Collection of the sales tax began January 1, 2004 and is set to expire December 31, 2023. Fifty percent (50%) of the collected funds are given to municipalities on the basis of population. Funds may be used to acquire open space or park land and make improvements to parks and trails. Ten percent (10%) of the funds may be used to maintain open space.

2017 Expenditures
Open Space Fund



This graph illustrates the percentage of this function's expenditures to the operating budget of all fund types.

Open Space Fund
Budget Summary by Budget Category

	2015 Actual	2016 Adopted	2016 Revised	2017 Proposed	2016 Adopted/ 2017 Budget $ Chg	% Chg
Personnel Services	$ 29,175	$ 80,000	$ 130,825	$ 80,000	$ -	0.0%
Other Services & Supplies	239,243	210,000	210,000	210,000	-	0.0%
Capital Outlay	818,825	1,685,000	6,701,754	1,330,000	(355,000)	-21.1%
TOTAL	**$ 1,087,243**	**$ 1,975,000**	**$ 7,042,579**	**$ 1,620,000**	**$ (355,000)**	**-18.0%**

Prior Year Accomplishments:

City Services

- In conjunction with the City's Parks and Recreation providers, the Open Space Program has resulted in the construction and enhancement of numerous trails, parks, and open space projects and has enhanced the neighborhoods and recreational services available to residents.

Community Quality of Life/Citizen Engagement

- Implemented a number of projects that expanded access and availability of parks, trails and open space to citizens.
- Contributed funds to our two major Parks and Recreation Districts to implement various trail, park and recreational amenities.
- Created a grant program to provide funds for local metropolitan districts to improve neighborhood parks.

Economic Health

- Continued our partnership with Arapahoe County to explore potential alternative uses for the Dove Valley Regional Park.
- Continued partnerships with working groups to build lasting relationships.
- Started the Open Space Master Plan update.

Environment

- Continued acquisition and improvements of open spaces to advance environmental stewardship, values, and citizen access to natural open lands.
- Trail development, such as planning and design of the Lone Tree Creek Trail which provides enhanced options for non-motorized transportation and reduces fossil fuel consumption.

Goals and Objectives:

City Services

- The Open Space Program will continue to support the construction and enhancement of numerous trail, park and open space projects to enhance the quality of neighborhoods and recreation services available to residents.

Community Quality of Life/Citizen Engagement

- Continue to partner with other agencies to acquire open space, construct trails, update park amenities and enhance recreational opportunities consistent with the goals and needs identified in the updated Parks, Open Space, Trails and Recreation Master Plan
- Continue working on the Lone Tree Creek Trail with completion set for 2017.
- Continue to look for new opportunities that are impactful to our citizens.

Economic Health

- Continue to maintain a lean, transparent, responsive, and fiscally responsible division operating within budget. C
- Continue to use existing City funding sources to leverage grants from state and local sources to support and expand park, open space, and trail projects.

Environment

- Continue acquisition and improvement of open spaces to advance environmental stewardship, values and citizen access to natural open lands.
- Continue trail development, such as Lone Tree Creek and other trails to enhance options for non-motorized transportation and reduce fossil fuel consumption.

2017-2021 Capital Improvement Program

Project Name: **Parker Jordan Open Space Maintenance**

Project Type: Parks and Trails | First Shown in CIP: 2010 | Council District: 3

Project Description: This item covers the City's portion of the annual maintenance for the 107 acre Parker Jordan Centennial Open Space property located near Cherry Creek and E. Broncos Parkway. The Parker Jordan Metro District covers 50 percent (50%) of the cost.

Goals Met: City Services, Quality of Life

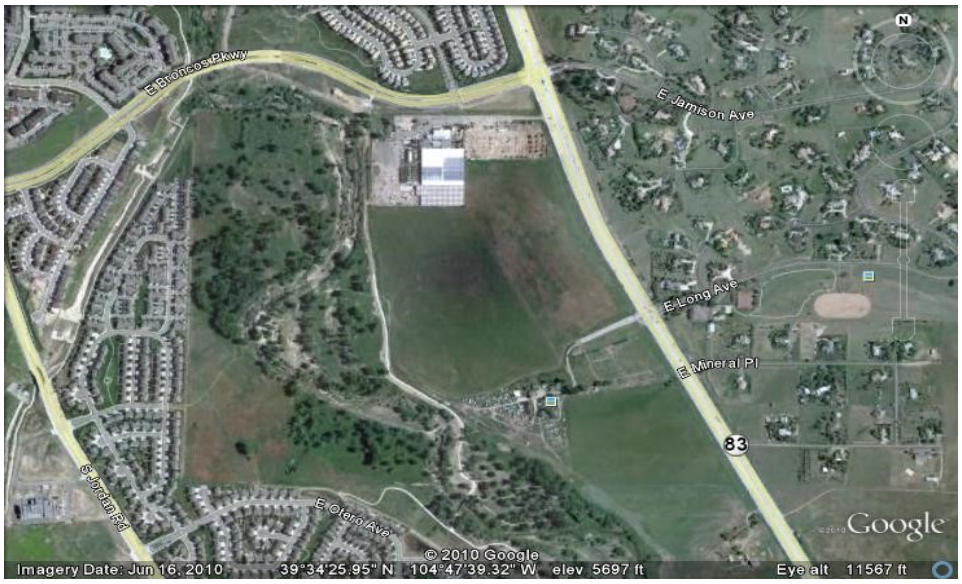
ESTIMATED FUNDING SCHEDULE:

	Prior Funding	2017	2018	2019	2020	2021	TOTAL
Design and CM:	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land Acquisition:	-	-	-	-	-	-	-
Construction:	345,462	75,000	75,000	75,000	75,000	75,000	720,462
Subtotal	$ 345,462	$ 75,000	$ 75,000	$ 75,000	$ 75,000	$ 75,000	$ 720,462
Funds from other Sources:	-	-	-	-	-	-	$ -
	-	-	-	-	-	-	$ -
Funding: *City total portion*	$ -	$ -	$ -	$ -	$ -	$ -	$ 720,462

Total Design & CM Costs:	$	-
Total Land Acquisition Costs:	$	-
Total Construction Costs:	$	720,462
Total City Project Costs:	$	720,462

Annual O&M Impacts: This project covers the City's share of the annual O&M costs for the open space property.

PROJECT LOCATION:



2017-2021 Capital Improvement Program

Project Name: **Arapahoe Park and Recreation District (APRD) Maintenance**

Project Type: Maintenance First Show n in CIP : 2013 Council District: 4

Project Description: Annual maintenance costs of City owned facilities within the Arapahoe Park and Recreation District (APRD). This includes Cherokee Trail Park and the Greenfield Crossing segment of the Piney Creek Trail

Goals Met: City Services & Quality of Life

ESTIMATED FUNDING SCHEDULE:

	Prior Funding	2017	2018	2019	2020	2021	TOTAL
Design and CM:							$ -
Land Acquisition:	-	-	-	-	-	-	-
Construction:	10,000	10,000	10,000	10,000	10,000	10,000	60,000
Subtotal	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 60,000
Funds from other Sources:	-	-	-	-	-	-	$ -
	-	-	-	-	-	-	$ -
Funding: *City total portion*	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 60,000

Total Design & CM Costs:	$	-
Total Land Acquisition Costs:	$	-
Total Construction Costs:	$	60,000
Total City Project Costs:	$	60,000

Annual O&M Impacts: Up to $10,000 to reimburse APRD for City owned faculties that the District is maintaining on behalf of the City.

PROJECT LOCATION:

2017-2021 Capital Improvement Program

Project Name: **Centennial Center Park Improvements**

Project Type: Land Improvements First Shown in CIP : 2014 Council District: All

Project Description: Various improvements and repairs to Centennial Center Park.

Goals Met: City Services & Quality of Life

ESTIMATED FUNDING SCHEDULE:

	Prior Funding	2017	2018	2019	2020	2021	TOTAL
Design and CM:	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land Acquisition:	-	-	-	-	-	-	-
Construction:	2,694,487	150,000	165,000	181,500	199,650	219,615	3,610,252
Subtotal	$ 2,694,487	$ 150,000	$ 165,000	$ 181,500	$ 199,650	$ 219,615	$ 3,610,252
Funds from other Sources:	-	-	-	-	-	-	$ -
	-	-	-	-	-	-	$ -
Funding: *City total portion*	$ 2,694,487	$ 150,000	$ 165,000	$ 181,500	$ 199,650	$ 219,615	$ 3,610,252

Total Design & CM Costs:	$ -
Total Land Acquisition Costs:	$ -
Total Construction Costs:	$ 3,610,252
Total City Project Costs:	$ 3,610,252

Annual O&M Impacts: This is for projects and repairs associated with Centennial Center Park. These could include landscaping, splash pad, amphitheater improvements, repairs or replacements.

PROJECT LOCATION:

2017-2021 Capital Improvement Program

Project Name: **Regional Neighborhood Park Improvements (City Grant)**

Project Type: Parks and Trails First Shown in CIP: 2013 Council District: All

Project Description: This program provides for neighborhood park improvements through partnerships with local park and recreation providers. As specific projects are identified, additional funding sources will be pursued.

Goals Met: City Services & Quality of Life

ESTIMATED FUNDING SCHEDULE:

	Prior Funding	2017	2018	2019	2020	2021	TOTAL
Design and CM:	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land Acquisition:	-	-	-	-	-	-	-
Construction:	806,166	250,000	250,000	250,000	250,000	250,000	2,056,166
Subtotal	$ 806,166	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 2,056,166
Funds from other Sources:	-	-	-	-	-	-	$ -
	-	-	-	-	-	-	$ -
Funding: *City total portion*	$ 806,166	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 2,056,166

Total Design & CM Costs:	$ -
Total Land Acquisition Costs:	$ -
Total Construction Costs:	$ 2,056,166
Total City Project Costs:	$ 2,056,166

Annual O&M Impacts: Specific O&M costs will be identified when projects are selected. Depending on partnerships, the O&M will be the responsibility of the parks and recreation districts.

PROJECT LOCATION:

2017-2021 Capital Improvement Program

Project Name: **Regional Partnership Projects**

Project Type: Parks and Trails — First Shown in CIP: 2017 — Council District: All

Project Description: This is funding for a one-time call for projects from recreation districts (APRD and SSPRD) to partner with the City to complete projects within the Centennial community. Specific project(s) for this funding will be determined at a future date.

Goals Met: City Services, Quality of Life, Environment

ESTIMATED FUNDING SCHEDULE:

	Prior Funding	2017	2018	2019	2020	2021	TOTAL
Design and CM:	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land Acquisition:	-	-	-	-	-	-	-
Construction:		500,000	500,000	500,000	500,000	500,000	2,500,000
Subtotal	$ -	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 2,500,000
Funds from other Sources:	-	-	-	-	-	-	$ -
	-	-	-	-	-	-	$ -
Funding:	$ -	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 2,500,000

City total portion

Total Design & CM Costs:	$ -
Total Land Acquisition Costs:	$ -
Total Construction Costs:	$ 2,500,000
Total City Project Costs:	$ 2,500,000

Annual O&M Impacts: Actual O&M costs will depend on the specific project selected and will be considered during project selection and design. Most likely, the O&M costs will be the responsibility of the recreation district for the completed project.

PROJECT LOCATION:

2017-2021 Capital Improvement Program

Project Name: **General Park, Trail & Open Space Maintenance**

Project Type: Maintenance — First Shown in CIP: 2017 — Council District: All

Project Description: Contingency funding to restore monies for unanticipated park, trail and open space maintenance.

Goals Met: City Services & Quality of Life

ESTIMATED FUNDING SCHEDULE:

	Prior Funding	2017	2018	2019	2020	2021	TOTAL
Design and CM:							$ -
Land Acquisition:	-	-	-	-	-	-	-
Construction:	-	125,000	125,000	125,000	125,000	125,000	625,000
Subtotal	$ -	$ 125,000	$ 125,000	$ 125,000	$ 125,000	$ 125,000	$ 625,000
Funds from other Sources:	-	-	-	-	-	-	$ -
	-	-	-	-	-	-	$ -
Funding: *City total portion*	$ -	$ 125,000	$ 125,000	$ 125,000	$ 125,000	$ 125,000	$ 625,000

Total Design & CM Costs:	$	-
Total Land Acquisition Costs:	$	-
Total Construction Costs:	$	625,000
Total City Project Costs:	$	625,000

Annual O&M Impacts: Actual O&M will depend on the specific project(s).

PROJECT LOCATION:

2017-2021 Capital Improvement Program

Project Name: **Lone Tree Creek Trail and Park Improvements**

Project Type: Parks and Trails | First Shown in CIP: 2011 | Council District: All

Project Description: This project will include design, engineering, and construction of the Lone Tree Creek Trail Project, Phase II. This includes a trail and/or sidewalk from Caley Avenue to Cherry Creek State Park.

Goals Met: City Services & Quality of Life

ESTIMATED FUNDING SCHEDULE:

	Prior Funding	2017	2018	2019	2020	2021	TOTAL
Design and CM:	$ 100,000	$ -	$ -	$ -	$ -	$ -	$ 100,000
Land Acquisition:	-	-	-	-	-	-	-
Construction:	2,529,958	200,000	2,500,000	-	-	-	5,229,958
Subtotal	$ 2,629,958	$ 200,000	$ 2,500,000	$ -	$ -	$ -	$ 5,329,958
Funds from other Sources:	-	-	-	-	-	-	$ -
	-	-	-	-	-	-	$ -
Funding: *City total portion*	$ 2,629,958	$ 200,000	$ 2,500,000	$ -	$ -	$ -	$ 5,329,958

Total Design & CM Costs:	$ 100,000
Total Land Acquisition Costs:	$ -
Total Construction Costs:	$ 5,229,958
Total City Project Costs:	$ 5,329,958

Annual O&M Impacts: Specific O&M costs will be designated in a separate line item for Lone Tree Creek Trail Maintenance.

PROJECT LOCATION:

2017-2021 Capital Improvement Program

Project Name: **Lone Tree Creek Trail Maintenance**

Project Type: Maintenance First Shown in CIP: 2017 Council District: All

Project Description: Annual maintenance costs for Lone Tree Creek Trail Maintenance.

Goals Met: City Services & Quality of Life

ESTIMATED FUNDING SCHEDULE:

	Prior Funding	2017	2018	2019	2020	2021	TOTAL
Design and CM:							$ -
Land Acquisition:	-	-	-	-	-	-	-
Construction:	-	30,000	60,000	60,000	60,000	60,000	270,000
Subtotal	$ -	$ 30,000	$ 60,000	$ 60,000	$ 60,000	$ 60,000	$ 270,000
Funds from other Sources:	-	-	-	-	-	-	$ -
	-	-	-	-	-	-	$ -
Funding: *City total portion*	$ -	$ 30,000	$ 60,000	$ 60,000	$ 60,000	$ 60,000	$ 270,000

Total Design & CM Costs:	$	-
Total Land Acquisition Costs:	$	-
Total Construction Costs:	$	270,000
Total City Project Costs:	$	270,000

Annual O&M Impacts: Up to $30,000 to reimburse or costs associated with O&M.

PROJECT LOCATION:

2017-2021 Capital Improvement Program

Project Name: **Neighborhood Trail Connections**

Project Type: Parks and Trails — First Shown in CIP: 2011 — Council District: All

Project Description: This program provides funding for design, engineering and construction of regional, neighborhood and local trail connections as identified by the City. As specific projects are identified, additional funding sources will be pursued.

Goals Met: City Services & Quality of Life

ESTIMATED FUNDING SCHEDULE:

	Prior Funding	2017	2018	2019	2020	2021	TOTAL
Design and CM:	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land Acquisition:	-	-	-	-	-	-	-
Construction:	910,900	100,000	100,000	100,000	100,000	100,000	1,410,900
Subtotal	$ 910,900	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 1,410,900
Funds from other Sources:	-	-	-	-	-	-	$ -
	-	-	-	-	-	-	$ -
Funding: *City total portion*	$ 910,900	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 1,410,900

Total Design & CM Costs:	$ -
Total Land Acquisition Costs:	$ -
Total Construction Costs:	$ 1,410,900
Total City Project Costs:	$ 1,410,900

Annual O&M Impacts: Specific O&M costs will be identified when projects are selected. Depending on partnerships, the O&M will be the responsibility of the parks and recreation districts.

PROJECT LOCATION:

2017-2021 Capital Improvement Program

Project Name: **Land Improvements**

Project Type: Parks and Trails — First Shown in CIP: 2010 — Council District: All

Project Description: Funding for the capitol improvements associated with City owned parks, trails and open space. These could include improvements to Centennial Center Park/Amphitheatre, Parker Jordan Centennial Open Space or other City owned property.

Goals Met: City Services, Quality of Life

ESTIMATED FUNDING SCHEDULE:

	Prior Funding	2017	2018	2019	2020	2021	TOTAL
Design and CM:	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land Acquisition:	-	-	-	-	-	-	-
Construction:	1,789,796	100,000	100,000	100,000	100,000	100,000	2,289,796
Subtotal	$ 1,789,796	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 2,289,796
Funds from other Sources:	-	-	-	-	-	-	$ -
	-	-	-	-	-	-	$ -
Funding: *City total portion*	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,289,796

Total Design & CM Costs:	$ -
Total Land Acquisition Costs:	$ -
Total Construction Costs:	$ 2,289,796
Total City Project Costs:	$ 2,289,796

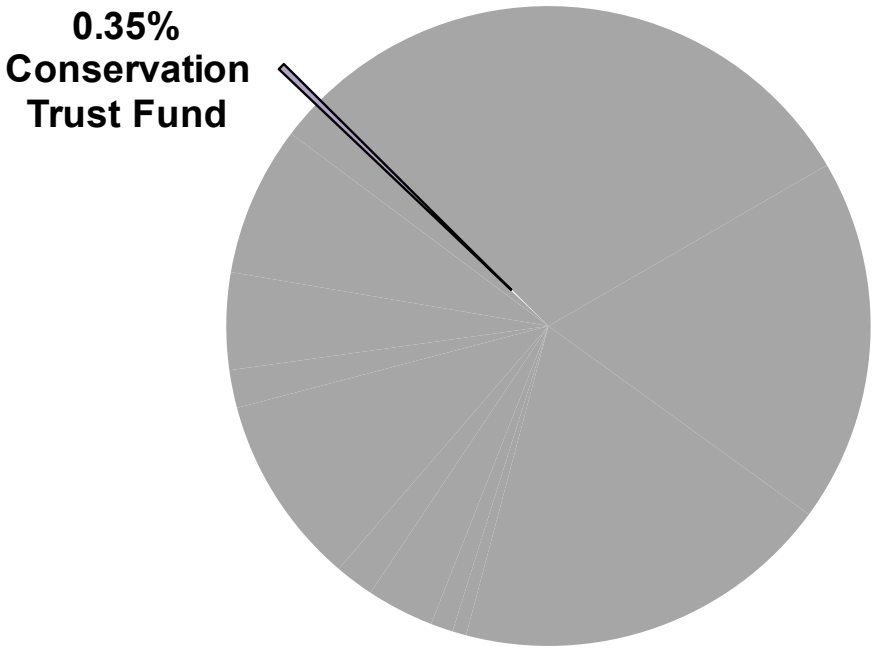
Annual O&M Impacts: This project covers the City's share of the annual O&M costs for any City property.

PROJECT LOCATION:

CONSERVATION TRUST FUND

The City also receives Conservation Trust Funds (CTF) from the State of Colorado. Statewide, the Conservation Trust Fund receives 40 percent (40%) of net lottery proceeds. The state distributes CTF dollars to counties, municipalities and Title 32 special districts on a per capita basis. Funding may be used for the acquisition,

2017 Expenditures
Conservation Trust Fund



This graph illustrates the percentage of this function's expenditures to the operating budget of all fund types.

Conservation Trust Fund
Budget Summary by Budget Category

	2015 Actual	2016 Adopted	2016 Revised	2017 Proposed	2016 Adopted/ 2017 Budget $ Chg	% Chg
Other Services & Supplies	$ 1,437	$ 202,500	$ 203,563	$ 302,500	$ 100,000	49.4%
Capital Outlay	123,000	200,000	1,978,820	-	(200,000)	-100.0%
TOTAL	**$ 124,437**	**$ 402,500**	**$ 2,182,383**	**$ 302,500**	**$ (100,000)**	**-24.8%**

2017-2021 Capital Improvement Program

Project Name: **Park Maintenance**
Project Type: Parks and Trails — First Shown in CIP: 2011 — Council District: All

Project Description: This item covers annual maintenance for park & open space property in Centennial. The focus of the work is on the City's main park located near the Centennial Civic Center.

Goals Met: City Services, Quality of Life

ESTIMATED FUNDING SCHEDULE:

	Prior Funding	2017	2018	2019	2020	2021	TOTAL
Design and CM:	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land Acquisition:	-	-	-	-	-	-	-
Construction:	625,383	302,500	332,750	366,025	402,630	442,893	2,472,181
Subtotal	$ 625,383	$ 302,500	$ 332,750	$ 366,025	$ 402,630	$ 442,893	$ 2,472,181
Funds from other Sources:	-	-	-	-	-	-	$ -
	-	-	-	-	-	-	$ -
Funding:	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,472,181

City total portion

Total Design & CM Costs:	$ -
Total Land Acquisition Costs:	$ -
Total Construction Costs:	$ 2,472,181
Total City Project Costs:	$ 2,472,181

Annual O&M Impacts: This project covers annual O&M costs for park & open space property.

PROJECT LOCATION: