

CAPITAL FUND

FUTURE PROJECTS

CAPITAL FUND

CAPITAL IMPROVEMENT PROGRAM

FISCAL YEARS UNKNOWN



FUTURE PROJECT LIST

FUTURE PROJECT: BRIDGE AND CULVERT REHABILITATION

CAPITAL FUND

Total Project Cost	Outside Funding Source	City Share	Estimated Total Capital Costs						
			Prior Years	FY 20__	Future				
UNKNOWN	\$0	UNKNOWN	\$0	\$0	\$0	\$0	\$0	\$0	UNKNOWN

Project Description:
 The City is responsible for the maintenance of several drainage culverts that carry creeks and streams beneath the City’s roadways. This project involves the design and construction needed to address maintenance, repair, or replacement of these culverts as they become necessary.

Existing Condition:
 Four of the City’s culverts appear on the State of Missouri’s state-wide register and are inspected annually by both City and State staff. These culverts are currently in good condition.

Justification: *Public Safety*
 Past projects to repair culverts at Chilton Lane, Alden Lane, and Middlebrook Lane were undertaken after the failures of these culverts and when those failures threatened the roadway above. Effective and structurally sound culverts are required to keep stormwater from becoming a hazard to the driving public.

Operating Budget Impact:
 Regular inspections will require some staff time to undertake. Consultants may be required to specific issues.

Comments:
 None.

Expenditure Type:	
Planning, Design & Engineering	\$ TBD
Land Acquisition	\$ TBD
Construction	\$ TBD
Equipment	\$
Other	\$
Total	\$ TBD

FUTURE PROJECTS LIST

FUTURE PROJECT: CERTIFIED NATURE EXPLORER CLASSROOM

CAPITAL FUND

Total Project Cost	Outside Funding Source	City Share	Estimated Total Capital Costs						
			Prior Years	FY 20__	Future				
\$25,000	\$0	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000

Project Description:
 The proposed outdoor classroom could be located in Malcom Terrace Park or Millennium Park. This classroom would include elements such as music & movement area, a place to do nature art, a place to build, climb or crawl, a place to gather or play in water and will include signage throughout.

Existing Condition:
 None.

Justification: *Protection & Conservation; Beautification*
 The goal will be to create an area that can be utilized for both programming provided by the City as well as a place for birthday parties, meeting place for play or scout groups and outdoor classroom for local schools. Having a Certified Nature Explorer Classroom in a Creve Coeur park supports the CIP criteria by enhancing the usefulness and beautification of the environment by providing a nature-rich outdoor space for current and future generations to use the natural world as an integral part of learning.

Operating Budget Impact:
 Minimal impact to the operating budget is anticipated – similar to adding playground equipment.

Comments:
 None.

Expenditure Type:	
Planning, Design & Engineering	\$
Land Acquisition	\$
Construction	\$ 25,000
Equipment	\$
Other	\$
Total	\$ 25,000

FUTURE PROJECTS LIST

FUTURE PROJECT: CREEKSIDE/BELLERIVE TRAIL (GRANT MATCH)

CAPITAL FUND

Total Project Cost	Outside Funding Source	City Share	Estimated Total Capital Costs						
			Prior Years	FY 20__	Future				
\$25,000	TBD	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000

Project Description:

The project involves the creation of a new asphalt trail to extend from the Creekside at Mason subdivision to Bellerive Elementary School, which would provide a pedestrian connection from Rue de Fleur and Bellerive Estates Drive to Mason Road. The amount of \$25,000 represents the City's portion of the cost for a \$125,000 project that is funded by a federal grant through the Recreational Trails Program (RTP). The actual cost of the project will be programmed into the appropriate years of the Capital Improvement Plan if the City is awarded the grant.

Existing Condition:

Several parcels of common ground connect along the south side of the creek and provide the opportunity for a pedestrian and bicycle pathway.

Justification: *Public Safety; Availability of Outside Funding; Citizen Request*

The City's parks are a sense of pride for Creve Coeur, and the City is obligated to provide adequate and safe access to the parks. Pursuit of grant funding to assist with maintaining this access allows the City to meet its obligations at a reduced cost.

Operating Budget Impact:

The City may assume responsibility to mow and otherwise maintain the common ground areas where the paths would be installed. Mowing costs are estimated to be approximately \$2,000/year.

Comments:

Support from the Parkway School District and the subdivision trustees will be sought before the City pursues a grant for this project. Easements will be required to construct the project.

Expenditure Type:

Planning, Design & Engineering	\$	
Land Acquisition	\$	
Construction	\$	25,000
Equipment	\$	
Other	\$	
Total (Grant Match)	\$	25,000

FUTURE PROJECT LIST

FUTURE PROJECT: DIELMANN RECREATION COMPLEX RENOVATIONS - PHASE 2

CAPITAL FUND

Total Project Cost	Outside Funding Source	City Share	Estimated Total Capital Costs						
			Prior Years	FY 20__	Future				
UNKNOWN	TBD	TBD	\$0	\$0	\$0	\$0	\$0	\$0	UNKNOWN

Project Description:

A needs analysis for the Dielmann Recreation Complex was completed in 2013 and used as a guide for Round 15 Municipal Park Grant Commission construction grant awarded in 2015. Phase I renovations included updates to the lobby, creation of a centralized check-in desk for the building, and updated and expanded meeting room space, as well as energy efficiency upgrades. Future phases could include additional energy efficiency upgrades such as interior and exterior lighting, parking lot modifications for better traffic flow, additional updates to the East Meeting Room, such as the addition of a catering kitchen, direct entry from the east parking lot, a north facing clearstory for additional light in the ice arena, and additional on-ice lounge or locker room facilities.

Existing Condition:

The existing building is functional but inefficient from staffing, logistic, and energy standpoints.

Justification: *Availability of Outside Funding; Beautification; Citizen Demand; Operating Efficiency; Condition of Existing Facility*

This project was designed based on public input, and may be possible for future grant funding; however, several other priority projects have been slated for Municipal Park Grant funding for FY2019-FY2023.

Operating Budget Impact:

TBD

Comments:

CIP grant matches for FY2019-FY2023 have been earmarked for other upgrades or improvements at the Creve Coeur Golf Course and Park System.

Expenditure Type:

Planning, Design & Engineering	\$
Land Acquisition	\$
Construction	\$
Equipment	\$
Other	\$
Total	\$ TBD

FUTURE PROJECT LIST

FUTURE PROJECT: DOWNTOWN STREETScape AND INFRASTRUCTURE

CAPITAL FUND

Total Project Cost	Outside Funding Source	City Share	Estimated Total Capital Costs						
			Prior Years	FY 20__	Future				
UNKNOWN	TBD	UNKNOWN	\$0	\$0	\$0	\$0	\$0	\$0	UNKNOWN

Project Description:

The downtown plan calls for a significant investment into the City’s Central Business District, which is generally the area bounded by Olive Boulevard on the north, Old Ballas Road on the east and south, and Interstate 270 on the west. Improvements to the public rights of way in this area include pavement, gutters, wide sidewalks, cross-walks, signals, and street furniture beyond items that are developer expenses.

Existing Condition:

Excluding the perimeter roads, only the Studt Avenue pavement meets the downtown zoning requirements. Everything else will need to be purchased.

Justification: *Economic Growth; Public Safety; Beautification*

The City has had this district in the Comprehensive Plan since 1969, and it is not reasonable to expect that all of the costs within the public rights-of-way can be borne by the development community. Without public investment, the likelihood of development is increasingly remote. Proposed improvements are supported by the 2006 Creve Coeur Central Business District / Downtown Area Implementation Strategy Report.

Operating Budget Impact:

Operating costs are unknown, but these are expected to be low. The City will be required to enter into a maintenance agreement with the Missouri Department of Transportation for any non-standard or decorative features along Olive Boulevard.

Comments:

Median planters and street lights will be extended east along Olive Boulevard through the Central Business District by the Olive Boulevard Transportation Development District in 2016. Further enhancements to Olive Boulevard may not be possible due to limited right of way.

Expenditure Type:

Planning, Design & Engineering	\$
Land Acquisition	\$
Construction	\$
Equipment	\$
Other	\$
Total	\$ TBD

FUTURE PROJECT LIST

FUTURE PROJECT: FERNVIEW DRIVE / BELLERIVE ESTATES DRIVE SIDEWALK

CAPITAL FUND

Total Project Cost	Outside Funding Source	City Share	Estimated Total Capital Costs						
			Prior Years	FY 20__	Future				
\$1,050,000	TBD	TBD	\$0	\$0	\$0	\$0	\$0	\$0	\$1,050,000

Project Description:

The project will involve the addition of a sidewalk along Fernview Drive and Bellerive Estates Drive to connect the sidewalk on Mason Manor Drive to Olive Boulevard. These streets serve as the main roadway for much of the residential area in Ward 4 and have recently been reclassified as “minor collectors.” This reclassification allows for roadway and sidewalk improvements to be considered for federal grants.

Existing Condition:

No sidewalk currently exists along Fernview Drive or Bellerive Estates Drive, and no continuous sidewalk exists through the surrounding residential neighborhoods.

Justification: *Public Safety; Availability of Outside Funding*

The addition of a sidewalk along both Fernview Drive and Bellerive Estates Drive would provide a designated area for pedestrians that would be safer than the street, which is the only current option. Fernview Drive and Bellerive Estates Drive are each listed as “third priority” in the Creve Coeur Pedestrian Plan.

Operating Budget Impact:

This sidewalk would not significantly impact the City’s operating budget, but maintaining the sidewalk as an accessible pedestrian route would eventually become part of the capital improvement program.

Comments:

The proposed sidewalk would pass through approximately 50 properties. It is likely that the City would need to acquire easements from some of the affected property owners in order to adjust the lawns and driveways to allow the sidewalk to pass through. Fernview Drive and Bellerive Estates Drive were recently reclassified as “minor collector” roadways, a classification which qualifies these streets for federal grant assistance. The City would likely apply for a federal Transportation Alternatives Program grant for this project. This grant would require an aggressive schedule for easement acquisition.

Expenditure Type:

Planning, Design & Engineering	\$ 150,000
Land Acquisition	\$ 150,000
Construction	\$ 750,000
Equipment	\$
Other	\$
Total	\$ 1,050,000

FUTURE PROJECT LIST

FUTURE PROJECT: FERNVIEW AT OLIVE INTERSECTION IMPROVEMENTS

CAPITAL FUND

Total Project Cost	Outside Funding Source	City Share	Estimated Total Capital Costs						
			Prior Years	FY 20__	Future				
\$850,000	TBD	TBD	\$0	\$0	\$0	\$0	\$0	\$0	\$850,000

Project Description:
 This project involves improvements to the intersection of Fernview Drive at Olive Boulevard, including new traffic signals, pavement widening, pedestrian facilities, and illuminated street name signs.

Existing Condition:
 The intersection of Fernview Drive and Olive Boulevard has old traffic signal equipment and poor islands and grades, and these conditions combine to create a barrier for future sidewalk projects along Olive Boulevard and along Fernview Drive.

Justification: *Public Safety; Availability of Outside Funding; Condition of Existing Facility*
 The intersection improvements at Fernview and Olive would allow for pedestrian improvements where no pedestrian facilities currently exist.

Operating Budget Impact:
 The City would need to maintain illuminated street name signs and other non-standard items added to the intersection of Fernview and Olive, but this expense is expected to be minimal.

Comments:
 Olive Boulevard is owned and maintained by the Missouri Department of Transportation and this project would require MoDOT approval and permitting. Olive Boulevard and Fernview Drive qualify for federal grant assistance. The City could receive up to 80% reimbursement for costs related to this project if such a grant was awarded.

Expenditure Type:	
Planning, Design & Engineering	\$ 100,000
Land Acquisition	\$
Construction	\$ 750,000
Equipment	\$
Other	\$
Total	\$ 850,000

FUTURE PROJECT LIST

FUTURE PROJECT: GOLF COURSE SOUTH FENCE REPLACEMENT

CAPITAL FUND

Total Project Cost	Outside Funding Source	City Share	Estimated Total Capital Costs						
			Prior Years	FY 20__	Future				
\$75,000	\$0	\$75,000	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000

Project Description:
 This project involves the replacement of a deteriorated fence along the south property line of the Creve Coeur Golf Course. This fence is in two sections, one on each side of Marford Drive.

Existing Condition:
 All of the existing fence is old and in some state of disrepair. The fence on the east side of Marford Drive no longer reaches the ground, as the hillside below has eroded over time to the point where some of the fence footings are exposed. The fence on the west side of Marford Drive is overgrown with dense brush, and its condition has not been determined.

Justification: *Public Safety; Condition of Existing Facility; Citizen Demand*
 Several residents on the east side of Marford Drive whose properties share the fence line with the Golf Course have requested that this fence be replaced. The fence is necessary to separate residential areas from areas of active play on the course.

Operating Budget Impact:
 None.

Comments:
 The replacement of the fence on the east side of Marford Drive is estimated to cost approximately \$25,000, and the fence on the west side of Marford Drive would be \$50,000 or more.

Expenditure Type:	
Planning, Design & Engineering	\$ 5,000
Land Acquisition	\$ 0
Construction	\$ 70,000
Equipment	\$
Other	\$
Total	\$ 75,000

FUTURE PROJECT LIST

FUTURE PROJECT: GOLF COURSE MAINTENANCE BRIDGE

CAPITAL FUND

Total Project Cost	Outside Funding Source	City Share	Estimated Total Capital Costs						
			Prior Years	FY 20__	Future				
TBD	\$0	TBD	\$0	\$0	\$0	\$0	\$0	\$0	TBD

Project Description:
 This project involves the replacement of the vehicular maintenance bridge at the Creve Coeur Golf Course.

Existing Condition:
 The existing bridge consists of old utility poles laid across the channel with wooden planks attached to the top to create a driving surface. The bridge is sinking on one side, the wood is rotting, and the planks often break and need to be replaced.

Justification: *Public Safety; Condition of Existing Facility; Operating Efficiency*
 The existing bridge is used on a limited basis due to its condition. It is closed to heavy vehicles.

Operating Budget Impact:
 This maintenance bridge serves as the most direct access to the southeastern corner of the Golf Course. Using alternate routes takes longer and can cause damage to the course.

Comments:
 The City will review its options for replacing this bridge, including the cost of these options, through a study in FY2019.

Expenditure Type:	
Planning, Design & Engineering	\$ TBD
Land Acquisition	\$
Construction	\$ TBD
Equipment	\$
Other	\$
Total	\$ TBD

FUTURE PROJECT LIST

FUTURE PROJECT: GOLF COURSE STORMWATER SYSTEM IMPROVEMENTS

CAPITAL FUND

Total Project Cost	Outside Funding Source	City Share	Estimated Total Capital Costs						
			Prior Years	FY 20__	Future				
\$1,700,000	\$0	\$1,700,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,700,000

Project Description:

The scope of this project includes improvements to the lakes, dam, and drainage channels at the Creve Coeur Golf Course. Future projects include: dam replacement, south channel improvements, silt removal of the northern three lakes, and replacing the gabion rock lining the lakes with boulders and aquatic plants.

Existing Condition:

The lake system that runs through the Creve Coeur Golf Course was originally constructed as a series of stormwater detention lakes as part of the Creve Coeur Executive Office Park development, which is immediately north of the golf course. The dam at the south end of this system failed in 2013, and a temporary repair was made to the dam in FY2017. The lakes have accumulated silt, and the lakes are no longer deep enough to allow for fountains or to be healthy enough to resist algae growth during the summer.

Justification: *Condition of Existing Facility; Beautification, Citizen Demand*

The lakes are filling in with silt and debris, which must be removed to restore adequate water depth to support healthy ponds that continue to function as settlement basins. Suspended solids are significant pollutants in stormwater runoff, and settling ponds are recommended at the upstream end of a retention/detention system to allow the solids to settle out of the stormwater before the water flows into area creeks and streams.

Operating Budget Impact:

The anticipated maintenance costs for the stormwater facilities are expected to be approximately \$15,000 per year for the next 20 years.

Comments:

The City has invested approximately \$250,000 in studies, design, and repairs to this system from FY2013-FY2017. The most significant of these costs came in FY2017 for a project to remove silt from the southern-most lake and to stabilize the dam.

Expenditure Type:

Planning, Design & Engineering	\$ 150,000
Land Acquisition	\$
Construction	\$ 1,500,000
Equipment	\$ 50,000
Other	\$
Total	\$ 1,700,000

FUTURE PROJECT LIST

FUTURE PROJECT: LADUE ROAD IMPROVEMENTS AT I-270

CAPITAL FUND

Total Project Cost	Outside Funding Source	City Share	Estimated Total Capital Costs						
			Prior Years	FY 20__	Future				
UNKNOWN	TBD	TBD	\$0	\$0	\$0	\$0	\$0	\$0	UNKNOWN

Project Description:

The project will require the evaluation of the traffic flow of Ladue Road between New Ballas Road and Coeur de Ville Drive, including the Ladue Road interchange at Interstate 270. Following the traffic study, the project would involve the design and construction of improvements to provide better traffic management and access to get on and off I-270.

Existing Condition:

Ladue Road intersects New Ballas Road, Emerson Road, Interstate 270, and Coeur de Ville within a quarter of a mile. This area is heavily used during morning and evening rush hours as commuters use this route for work, local hospitals, and schools. Turning lane lengths are generally inadequate to accommodate this congestion, and several of the turning movements from these intersections are in conflict.

Justification: *Public Safety; Condition of Existing Facility*

The existing intersection and roadway configuration causes traffic congestion and difficulties navigating across lanes of traffic to gain access to I-270. Improvement of access to Interstate 270 at Ladue Road would provide motorists with a better alternative to access the highway and could relieve pressure at the Olive/270 interchange.

Operating Budget Impact:

The City will be required to maintain any decorative and/or non-standard facilities that are installed within the rights of way of the Missouri Department of Transportation (MoDOT), including Interstate 270, Emerson Road, Ladue Road, and Coeur de Ville Drive.

Comments:

Interstate 270, Emerson Road, Ladue Road, and Coeur de Ville Drive are owned and maintained by MoDOT, and improvements to these roadways will require MoDOT approval. The City will explore grant and cost-sharing opportunities to implement this project. If changes are required to the I-270 overpass at Ladue Road, the scale and cost of this project will likely exceed what can be expected to receive federal funding through the Surface Transportation Program, which is typically sought for major roadway projects. Other funding sources may be required.

Expenditure Type:

Planning, Design & Engineering	\$
Land Acquisition	\$
Construction	\$
Equipment	\$
Other	\$
Total	\$ TBD

FUTURE PROJECT LIST

FUTURE PROJECT: MALCOLM TERRACE PARK BRIDGE AND STREAM REHABILITATION

CAPITAL FUND

Total Project Cost	Outside Funding Source	City Share	Estimated Total Capital Costs						
			Prior Years	FY 20__	Future				
\$500,000	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000

Project Description:

This project involves the rehabilitation of a section of Deer Creek in Malcolm Terrace Park that has eroded its banks and threatens a vehicular bridge at the end of Townsend Drive. This bridge is currently closed due to the erosion around its foundations. The creek bank stabilization would extend around and upstream from this bridge.

Existing Condition:

A structural review in FY2017 found that the bridge remains structurally sound. The concern is the erosion around the bridge’s foundations. There is little vegetation or armoring along the stream banks to limit further erosion of the stream banks in this area.

Justification: *Public Safety; Operating Efficiency*

The bridge provides the best vehicular access to the south portion of Malcolm Terrace Park, and this access is the most convenient and efficient to use for maintenance and emergency vehicles.

Operating Budget Impact:

There is a nominal additional cost for maintenance staff to use the low-water crossing upstream of this bridge, but this bridge is not always accessible. When it is not accessible, maintenance is postponed.

Comments:

The City received a Bridge Engineering Assistance Program (BEAP) grant from the Missouri Department of Transportation (MoDOT) in FY2017 that fully funded a preliminary review of the Malcolm Terrace Park bridge. This review found that the existing bridge can be used in place.

Expenditure Type:

Planning, Design & Engineering	\$ 50,000
Land Acquisition	\$ 0
Construction	\$ 450,000
Equipment	\$
Other	\$
Total	\$ 500,000

FUTURE PROJECT LIST

FUTURE PROJECT: MASON ROAD SIDEWALK INFILL

CAPITAL FUND

Total Project Cost	Outside Funding Source	City Share	Estimated Total Capital Costs						
			Prior Years	FY 20__	Future				
\$1,435,000	TBD	TBD	\$10,000	\$0	\$0	\$0	\$0	\$0	\$1,425,000

Project Description:

The project involves the City’s participation in a joint, five-phase project with Saint Louis County and the City of Town and Country to create a continuous pedestrian route along Mason Road between Clayton Road and Olive Boulevard. The amount of \$1,435,000 represents the estimated cost to the City for its portion of three phases of the project, plus \$10,000 for the City’s share of the cost to develop a concept plan for the sidewalk. The actual contributions to the project will be programmed into the appropriate fiscal years if the partnership is successful in obtaining one or more federal grants for the various phases of the project. These projects are envisioned to be added onto future St. Louis County projects to improve Mason Road.

Existing Condition:

No continuous sidewalk currently exists along Mason Road from Conway Road to Olive Boulevard. Gaps are present between Conway Road and Ladue Road and then for much of Mason Road between Ladue Road and Hibler Road.

Justification: *Public Safety; Coordination; Availability of Outside Funding; Citizen Demand*

This project will provide pedestrian accessibility along Mason Road where few pedestrian facilities currently exist. Completion of the sidewalk along Mason Road identified as a “Second Priority” project in the Creve Coeur Pedestrian Plan.

Operating Budget Impact:

None.

Comments:

Mason Road is owned and maintained by Saint Louis County. The City and the City of Town and Country developed a conceptual design plan for a continuous pedestrian route along Mason Road from Clayton Road to Olive Boulevard in FY2017. St. Louis County has recently been awarded a federal grant to provide new sidewalks at the intersections of Mason Road with Conway Road. Future improvements to the Mason Road sidewalk will qualify for federal grant assistance, which would likely come through the Surface Transportation Program (if with a St. Louis County roadway project) or the Transportation Alternatives Program (if as stand-alone projects).

Expenditure Type:

Planning, Design & Engineering	\$	235,000
Land Acquisition	\$	250,000
Construction	\$	950,000
Equipment	\$	
Other	\$	
Total	\$	1,435,000

FUTURE PROJECT LIST

FUTURE PROJECT: MILLENNIUM PARK PARKING LOT LIGHTING

CAPITAL FUND

Total Project Cost	Outside Funding Source	City Share	Estimated Total Capital Costs						
			Prior Years	FY 20__	Future				
\$80,000	\$0	\$80,000	\$0	\$0	\$0	\$0	\$0	\$0	\$80,000

Project Description:
 The project would involve adding lights to the parking lot at Millennium Park. These lights would be of the same style and would resemble the layout of the parking lot lights of the new Barnes Jewish Hospital parking lots adjacent to the Millennium Park lot.

Existing Condition:
 The Millennium Park parking lot is currently not lit.

Justification: *Public Safety; Coordination*
 Parking lot lighting will improve public safety for the lot in the evenings and will make the lighting consistent between the new and existing parking lots.

Operating Budget Impact:
 There will be an on-going electrical bill for the lights, but this cost is expected to be low.

Comments:
 None.

Expenditure Type:	
Planning, Design & Engineering	\$ 10,000
Land Acquisition	\$
Construction	\$
Equipment	\$ 70,000
Other	\$
Total	\$ 80,000

FUTURE PROJECT LIST

FUTURE PROJECT: NEW BALLAS ROAD/OLIVE BOULEVARD INTERSECTION IMPROVEMENTS CAPITAL FUND

Total Project Cost	Outside Funding Source	City Share	Estimated Total Capital Costs						
			Prior Years	FY 20__	Future				
\$1,850,000	TBD	TBD	\$0	\$0	\$0	\$0	\$0	\$0	\$1,850,000

Project Description:

This project will improve the geometry of the intersection by re-aligning the through lanes and extending turn lanes. The traffic signals (to be installed in FY2018 or FY2019) will need to be relocated for this project.

Existing Condition:

The New Ballas Road lane alignment is offset between the north and south sides of Olive Boulevard. Pedestrian facilities at this intersection are limited, and the existing signal equipment and medians force the one crosswalk across Olive to be crooked.

Justification: *Public Safety; Condition of Existing Facility; Availability of Outside Funding*

The intersection of Olive Boulevard and North New Ballas Road is one of the principal intersections in the City. The geometry and visibility of the intersection pose potential hazards. Improvements to this intersection would also impact and improve the pedestrian crossings. Sidewalks along both Olive Boulevard and North New Ballas Road are listed at "first priority" in the Creve Coeur Pedestrian Plan.

Operating Budget Impact:

No significant operating budget increase is anticipated to result from this project.

Comments:

Olive Boulevard is owned and maintained by the Missouri Department of Transportation and this project would require MoDOT approval and permitting. Olive Boulevard and New Ballas Road qualify for federal grant assistance. The City could receive up to 80% reimbursement for costs related to this project if such a grant were awarded.

Expenditure Type:

Planning, Design & Engineering	\$	200,000
Land Acquisition	\$	150,000
Construction	\$	1,500,000
Equipment	\$	
Other	\$	
Total	\$	1,850,000

FUTURE PROJECT LIST

FUTURE PROJECT: NEW BALLAS SIDEWALK IMPROVEMENTS PHASE 2B

CAPITAL FUND

Total Project Cost	Outside Funding Source	City Share	Estimated Total Capital Costs						
			Prior Years	FY 20__	Future				
\$425,000	TBD	TBD	\$0	\$0	\$0	\$0	\$0	\$0	\$425,000

Project Description:

This project is designed to fill in the gap in the pedestrian network on the west side of New Ballas Road between Magna Carta Drive and Rocky Drive. This project would involve removing and replacing a retaining wall and landscaping within the project limits.

Existing Condition:

Following the completion of the North New Ballas Sidewalk Improvements Phase 2A Project, there will be a continuous sidewalk along both sides of North New Ballas Road from Ladue Road to Magna Carta Drive. No sidewalk exists between Magna Carta Drive and Rocky Drive on the west side of North New Ballas Road.

Justification: *Public Safety; Citizen Demand; Availability of Outside Funding*

Providing a sidewalk where none exists would improve accessibility and protect the general public walking along the area. New Ballas Road is identified as a “first priority” in the Creve Coeur Pedestrian Plan.

Operating Budget Impact:

None.

Comments:

It will be necessary to obtain easements for this project. New Ballas Road is classified as a minor arterial roadway and therefore qualifies for federal grant assistance for roadway and sidewalk projects.

The City was awarded a federal Transportation Alternatives Program grant in FY2018 for the “Phase 2A” sidewalk improvements. “Phase 2A” involves creating a new sidewalk from Ladue Road to the existing sidewalk at DeSmet High School. Construction of this project is expected to be complete in late FY2019.

Expenditure Type:

Planning, Design & Engineering	\$	50,000
Land Acquisition	\$	75,000
Construction	\$	300,000
Equipment	\$	
Other	\$	
Total	\$	425,000

FUTURE PROJECT LIST

FUTURE PROJECT: OFFICE PARK ROADWAY AND SIDEWALK IMPROVEMENTS

CAPITAL FUND

Total Project Cost	Outside Funding Source	City Share	Estimated Total Capital Costs						
			Prior Years	FY 20__	Future				
\$1,350,000	TBD	TBD	\$0	\$0	\$0	\$0	\$0	\$0	\$1,350,000

Project Description:

The project will involve asphalt pavement resurfacing and sidewalk replacement along Olde Cabin Road, Office Parkway, and Craig Road within the Creve Coeur Executive Office Park. The new sidewalk would be increased to six feet wide to be consistent with the Creve Coeur Pedestrian Plan and would include sidewalk lighting. Roadway improvements would include the changes to several intersections along Craig Road that will be recommended through a concept study in FY2019.

Existing Condition:

The pavement within the Creve Coeur Executive Office Park is generally in good condition, although the micro-surfacing from 2011 is wearing. The sidewalks within the Office Park are generally structurally sound, but these sidewalks are not technically accessible. Any further micro-surfacing or resurfacing would require that the City address the accessibility issues along the sidewalk at the same time.

Justification: *Condition of Existing Facility; Coordination; Economic Development; Availability of Outside Funding*

The roads and sidewalks within the Creve Coeur Executive Office Park are heavily used by the businesses located there and serve as the means to access the City’s Dielmann Recreational Complex. Maintenance of the pavement will be needed soon, and the scope of the sidewalk improvements and the longer life of the pavement resurfacing make a resurfacing project for the pavement repairs more logical than another surface treatment. Sidewalks along Craig Road (South of Olive), Office Parkway, and Olde Cabin Road are listed as “third priority” sidewalks in the Creve Coeur Pedestrian Plan.

Operating Budget Impact:

None.

Comments:

The cost breakdown for the project includes approximately 75% for sidewalk replacement, lighting, and curbing, and 25% for pavement resurfacing. These sidewalk improvements qualify for federal grant assistance, but an application failed in 2015. Staff estimates that this project would qualify for approximately \$500,000 - \$600,000 in grant assistance.

Expenditure Type:

Planning, Design & Engineering	\$ 100,000
Land Acquisition	\$ 50,000
Construction	\$ 1,200,000
Equipment	\$
Other	\$
Total	\$ 1,350,000

FUTURE PROJECT LIST

FUTURE PROJECT: OLD OLIVE STREET ROAD IMPROVEMENTS

CAPITAL FUND

Total Project Cost	Outside Funding Source	City Share	Estimated Total Capital Costs						
			Prior Years	FY 20__	Future				
TBD	TBD	TBD	\$0	\$0	\$0	\$0	\$0	\$0	TBD

Project Description:

This project involves the transformation of Old Olive Street Road from part of the state-maintained Olive/Lindbergh interchange to a City-maintained street that incorporates a new intersection at Old Olive Street Road and Lindbergh Boulevard, improved pedestrian access, street lighting, and other “great streets” elements into its design. The City entered into a partnership with the St. Louis Economic Development Partnership (SLEDP) and St. Louis County in FY2018 to begin a study into what this project would entail.

Existing Condition:

Old Olive Street Road is currently owned and maintained by the Missouri Department of Transportation. Old Olive is on the state’s roadway network, because its two halves serve as two ramps for the interchange of Olive Boulevard and Lindbergh Boulevard. An upcoming project by St. Louis County will overhaul this interchange, which will end the State’s need for Old Olive Street Road. Current discussions involve transitioning Old Olive Street Road from the State network to the City’s network.

Justification: *Beautification; Citizen Demand; Condition of Existing Facility; Availability of Outside Funding* Improvements to Old Olive Street Road would be consistent with the Comprehensive Plan Creve Coeur 2030 and the 39 North Master Plan. The Creve Coeur Pedestrian Plan lists sidewalks along Old Olive Street Road as “second priority.”

Operating Budget Impact:

Adding Old Olive Street Road to the City’s network will increase operations and maintenance costs. However, Old Olive should be provided to the City in good condition, so initial maintenance costs are expected to be low.

Comments:

Old Olive Street Road qualifies for federal grant assistance.

Expenditure Type:

Planning, Design & Engineering	\$
Land Acquisition	\$
Construction	\$
Equipment	\$
Other	\$
Total	\$ TBD

FUTURE PROJECT LIST

FUTURE PROJECT: PARK PLAYGROUND SAFETY SURFACE REPAIRS

CAPITAL FUND

Total Project Cost	Outside Funding Source	City Share	Estimated Total Capital Costs						
			Prior Years	FY 20__	Future				
\$75,000	TBD	TBD	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000

Project Description:

This project involves the replacement of damaged areas and rejuvenation of the rubberized safety surface beneath the City’s playgrounds. The playground at Millennium Park has the most urgent need, and replacement of this safety surface is scheduled for FY2017. Several other playgrounds will require attention in the near future.

Existing Condition:

The City has four playgrounds in three parks that use a rubberized safety surface to provide the required fall protection against injury if a child were to fall off of a playground or swing set. The surfaces in Millennium Park were installed in 2002 and 2006, Beirne Park in 2009, and Conway Park in 2011. These surfaces begin to show significant wear after about 10-12 years of use, at which time replacement or significant maintenance is recommended.

Justification: *Public Safety; Availability of Outside Funding; Condition of Existing Facility*

Keeping the safety surface of the City’s playgrounds in good condition is required for the continuing use of the playgrounds and the safety of the playgrounds’ users.

Operating Budget Impact:

None.

Comments:

This work would qualify for grant funding through the Municipal Parks Grant program.

Expenditure Type:

Planning, Design & Engineering	\$	
Land Acquisition	\$	
Construction	\$	75,000
Equipment	\$	
Other	\$	
Total (Per Park)	\$	75,000

FUTURE PROJECT LIST

FUTURE PROJECT: PUBLIC ART IN CITY PARKS AND PROPERTIES

CAPITAL FUND

Total Project Cost	Outside Funding Source	City Share	Estimated Total Capital Costs						
			Prior Years	FY 20__	Future				
TBD	TBD	TBD	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Description:

This project would involve commissioning, installing, and/or renting art pieces to be displayed on City properties and in the City's parks.

Existing Condition:

Several art pieces are currently on display at the Creve Coeur Government Center, Millennium Park, Conway Park, and Malcolm Terrace Park.

Justification: *Beautification; Citizen Demand*

The Creve Coeur Arts Committee seeks to identify locations and install art on public lands to further the goals of the Public Art Master Plan, which was approved in 2012.

Operating Budget Impact:

City staff will encourage the artists to incorporate ease of maintenance into his design. Ongoing maintenance of the art pieces may be required, but these costs are anticipated to be minimal.

Comments:

The art projects will require reviews from the Parks and Historic Preservation Committee (if located in a park) and the Arts Committee.

Expenditure Type:

Planning, Design & Engineering	\$
Land Acquisition	\$
Construction	\$
Equipment	\$
Other	\$
Total	\$ TBD

FUTURE PROJECT LIST

FUTURE PROJECT: PUBLIC WORKS EQUIPMENT STORAGE BUILDING

CAPITAL FUND

Total Project Cost	Outside Funding Source	City Share	Estimated Total Capital Costs						
			Prior Years	FY 20__	Future				
\$270,000	TBD	TBD	\$0	\$0	\$0	\$0	\$0	\$0	\$270,000

Project Description:

The project involves the planning, design, engineering and construction for the demolition of the existing residential structure at 1030 North Lindbergh Boulevard and construction of an equipment storage shed at this property. The new building will have a floor area of approximately 5,600 square feet and will house the City’s leaf vacuums, limb chippers, and other equipment that is stored on this site when not in use. The total project cost is estimated to be \$270,000. Planning, design and engineering (\$30,000) will provide better estimates of cost to be programmed into the appropriate future fiscal year.

Existing Condition:

The existing house is deteriorated and has little value to the operations of the Public Works Department. The basement stays wet, the grading and the subsurface drains are such that storm water infiltrates through the back door of the basement, and the roof and chimney leak into the upstairs portion of the house. The site currently provides no shelter for the City’s equipment that is stored there.

Justification: Condition of Existing Facility; Operating Efficiency

The existing structure on this site provides little benefit to the Public Works Department. The property at 1030 N. Lindbergh Blvd is used as an equipment storage lot, a transfer station for the leaf and limb collection programs, a project supply lot, and a restroom facility for City workers. Currently the equipment is stored outside in the elements, which cause accelerated aging through exposure to UV as well as extreme temperature change, rain, and snow.

Operating Budget Impact:

A new structure will have water, electric and sewer hookups, but monthly utility costs are expected to be minimal (approximately \$3,000/annually). The structure proposed would be a concrete block building with a metal roof requiring minimal maintenance. Another positive impact on the operating budget will be a reduction in maintenance on equipment as well as increasing its service life.

Comments:

None.

Expenditure Type:

Planning, Design & Engineering	\$ 30,000
Land Acquisition	\$
Construction	\$ 240,000
Equipment	\$
Other	\$
Total	\$ 270,000

FUTURE PROJECT LIST

FUTURE PROJECT: STUdT EXTENSION – OLD BALLAS ROAD TO CRAIG ROAD

CAPITAL FUND

Total Project Cost	Outside Funding Source	City Share	Estimated Total Capital Costs							
			Prior Years	FY 20__	Future					
>\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	>\$1,000,000

Project Description:

This downtown plan recommended that Studt Avenue be extended east beyond Old Ballas Road, to Craig Road. This will require the purchase of the office building at 677 Craig Road prior to construction of the road.

Existing Condition:

The office property is in fair condition but is small and does not appear to be fully occupied. It is appraised by the St. Louis County Assessor at \$812,900 in 2015. There is no right-of-way present and no reusable pavement.

Justification: *Public Safety; Condition of Existing Facility*

The intersection of North New Ballas Road and Olive Boulevard has a very low level of service for those going northbound to Olive Boulevard. Extending Studt Avenue would draw motorists well east of New Ballas Road, through the future downtown area, before turning on Craig Road to reach Olive Boulevard. Connecting Studt Avenue to Craig Road will also extend alternate access to the Creve Coeur Fire Department. Proposed improvements are supported by the 2005 Creve Coeur Central Business District Land Use Plan.

Operating Budget Impact:

Unknown.

Comments:

None.

Expenditure Type:

Planning, Design & Engineering	\$
Land Acquisition	\$
Construction	\$
Equipment	\$
Other	\$
Total	\$ >1,000,000

FUTURE PROJECT LIST

FUTURE PROJECT: TRAIL CONNECTIVITY STUDY

CAPITAL FUND

Total Project Cost	Outside Funding Source	City Share	Estimated Total Capital Costs						
			Prior Years	FY 20__	Future				
TBD	TBD	TBD	\$0	\$0	\$0	\$0	\$0	\$0	TBD

Project Description:

This project will involve the study of possible off-street trail connections to improve walkability and bikeability in Creve Coeur. Several trail areas have been identified for future review and consideration including, but not limited to, an area between Conway and Ladue roads, an area between Malcom Terrace Park to Spoede Road, and a trail connection near Millennium Park, from Mason Road through the Creekside at Mason Subdivision to Bellerive Elementary School.

Existing Condition:

While there are trails in several Creve Coeur parks, there are opportunities to create a more extensive greenway and pathway network for bicycle and pedestrian connectivity throughout the city.

Justification: *Citizen Demand; Protection & Conservation; Beautification; Coordination; Avail. of Outside Funding*

The Creve Coeur 2030 Comprehensive Plan and the Strategic Plan FY18-20 suggest the development of greenways to increase connectivity in Creve Coeur as an action item. A more robust trail network will provide better public access to community amenities and a variety of on- and off-street connections to promote cycling and walking as viable transportation options.

Operating Budget Impact:

Increasing the City trail infrastructure would require ongoing maintenance that would could impact the operating budget. In addition, proposed trails would most likely require easements from all property owners along the trail with associated costs that are yet to be determined.

Comments:

The design and construction of a new trail would qualify for federal and state grants. A study into a particular trail would be encouraged by support from residents directly along that trail, particularly those from whom the City would require easements for the project. Such support would be critical to successfully completing a project with grant funding and the specific schedules that accompany that funding.

Expenditure Type:

Planning, Design & Engineering	\$
Land Acquisition	\$
Construction	\$
Equipment	\$
Other	\$
Total	\$ TBD

FUTURE PROJECT LIST

FUTURE PROJECT: WEST OLIVE MEDIAN IRRIGATION CONTROL

CAPITAL FUND

Total Project Cost	Outside Funding Source	City Share	Estimated Total Capital Costs						
			Prior Years	FY 20__	Future				
\$40,000	\$0	\$40,000	\$0	\$0	\$0	\$0	\$0	\$0	\$40,000

Project Description:

This project will involve evaluating the City’s existing irrigation control system for the landscaped medians along Olive Boulevard from Cross Creek Drive to Mason Road. Following the evaluation, the project would include making adjustments or replacements to the system to make it function properly and efficiently.

Existing Condition:

The plants in the landscaped medians of Olive Boulevard rely upon an irrigation system to survive. The median irrigation control system is not fully connected to the irrigation system and does not function as it was intended. The system is currently running off of batteries and is often operated manually, which can be daily, on-site operation of the system at certain times of the year.

Justification: *Condition of Existing Facility; Economic Development; Beautification*

The City has invested in and takes pride in its landscaped medians. A functional irrigation system is vital to keeping the plants in the medians alive and thriving.

Operating Budget Impact:

On-site staff operation of the irrigation system, and the staff time needed for the traffic control and the safety concerns about working in the Olive medians, could be avoided with a wireless operational system that allows for controlling the system from an office.

Comments:

Proper functionality of the irrigation system is recommended prior to implementing any new, long-term planting plans for the Olive medians.

Expenditure Type:

Planning, Design & Engineering	\$	
Land Acquisition	\$	
Construction	\$	
Equipment	\$	40,000
Other	\$	
Total	\$	40,000

FUTURE PROJECT LIST

FUTURE PROJECT: WEST OLIVE MEDIAN ENHANCEMENTS PHASE II (MASON TO FERNVIEW) CAPITAL FUND

Total Project Cost	Outside Funding Source	City Share	Estimated Total Capital Costs						
			Prior Years	FY 20__	Future				
\$2,200,000	\$0	\$2,200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,200,000

Project Description:

This project includes the construction of landscaped medians with decorative lighting in the medians along Olive Boulevard. Additional right-turn lanes may also be constructed to help manage traffic at signalized intersections. Replacement of traffic control signals with an upgraded black powder coat, Accessible Pedestrian Signals/cross walk signals, and illuminated street name signs are also planned as part of this project.

Existing Condition:

Olive Boulevard from Mason Road west to Fernview Drive is typically four lanes wide with a two-way lane between the east-bound and west-bound lanes. There are many points to make left turns to either the north or south, thus causing congestion and safety concerns.

Justification: *Public Safety; Economic Development; Beautification*

Olive Boulevard serves as a principal roadway in Creve Coeur. Improvements to the traffic flow and aesthetics along Olive will benefit many residents and visitors to the City.

Operating Budget Impact:

The City will be required to maintain any decorative and/or non-standard facilities that are installed within the Olive Boulevard right of way.

Comments:

The Missouri Department of Transportation (MoDOT) owns and operates Olive Boulevard. MoDOT will require that the City enter into a maintenance agreement for any decorative and/or non-standard items. This project will require MoDOT approval and permitting.

Expenditure Type:	
Planning, Design & Engineering	\$ 200,000
Land Acquisition	\$
Construction	\$ 2,000,000
Equipment	\$
Other	\$
Total	\$ 2,200,000

FUTURE PROJECT LIST

FUTURE PROJECT: WEST OLIVE SIDEWALK CONCEPT STUDY (MASON TO WEST CITY LIMIT) CAPITAL FUND

Total Project Cost	Outside Funding Source	City Share	Estimated Total Capital Costs						
			Prior Years	FY 20__	Future				
\$95,600	\$0	\$95,600	\$5,600	\$0	\$0	\$0	\$0	\$0	\$95,600

Project Description:

The project involves engineering design services to evaluate the available options and to develop a preliminary plan to create a continuous, accessible pedestrian route along approximately 7,000 linear feet of the south side of Olive Boulevard, from Mason Road to Highway 141. The intent would be to provide a continuous sidewalk through both Creve Coeur and the City of Chesterfield. Infill sidewalk and accessibility improvements will be needed between Mason Road and Fernview Drive, but intersection improvements, retaining walls, and a pedestrian crossing at Creve Coeur Creek will likely be required to extend the sidewalk to Highway 141.

Existing Condition:

No continuous sidewalk currently exists along the south side of Olive Boulevard between Mason Road and the west city limit near Highway 141. Significant obstacles to creating this sidewalk include the intersection of Olive at Fernview, the crossing of Creve Coeur Creek, and existing grades.

Justification: *Public Safety; Coordination; Availability of Outside Funding*

The project will add and improve pedestrian accessibility along Olive Boulevard. This project would qualify for a federal Transportation Alternatives Program grant due to the sidewalk improvements, and it may qualify for a federal Surface Transportation Program grant with the anticipated traffic signal and intersection improvements at Fernview and Olive. A concept plan will allow the City to understand the scope of work for this project and will assist the City in any grant application(s) for the project. This sidewalk is identified as a "first priority" in the Creve Coeur Pedestrian Plan.

Operating Budget Impact:

None.

Comments:

Olive Boulevard is owned and maintained by the Missouri Department of Transportation, and this design would need to be approved by MoDOT. A portion of this concept design (from Fernview west to Mill Crossing) was developed in FY2013-FY2014, but this study was postponed indefinitely and was moved to a future project.

Expenditure Type:

Planning, Design & Engineering	\$ 95,600
Land Acquisition	\$
Construction	\$
Equipment	\$
Other	\$
Total	\$ 95,600

Additional Comments:

The original intent was to develop a plan to create a continuous sidewalk along Olive Boulevard through both Creve Coeur and Chesterfield. Chesterfield informed the City in the fall of 2015 that they were no longer interested in participating in this plan, negating the overall goal for the project. Furthermore, with the cost of projects increasing, the City decided to focus on maintenance and improvements to the City's infrastructure, as opposed to a study in how to improve MoDOT's infrastructure.