

4.0. CITY CAPITAL PROJECTS

This chapter is intended to describe major capital improvement projects that are included in this budget, as well as projects that are currently unfunded, but may be considered in the future.

CAPITAL IMPROVEMENT PROGRAM

In order to assist with the long-term development of funding for major capital improvement projects on public property, the City Council adopts a seven-year Capital Improvement Program ("CIP") on an annual basis. The CIP and the seven-year period to which it applies is also a requirement for receiving funding from Orange County's Measure M2 half-cent sales tax, which voters approved in 2006 to fund transportation projects and activities. While the first two years of the CIP are included in this budget and work plan, it is important to note that the City Council retains the ability to modify the CIP at its discretion and that no funding commitment is created by the inclusion of unfunded projects or projects planned for future years.

The City considers a "major capital improvement project" to be any project that meets the definition of a "public project" in Section 22002 of the State of California's Public Contracts Code, including "construction, reconstruction, erection, alteration, renovation, improvement, demolition, and repair work" of facilities owned, leased, or operated by the City, as well as any non-minor "painting or repainting." Maintenance is not considered a public project. A "major capital improvement project" also includes pavement management work included in the City's seven-year Pavement Management Plan.

The City classifies its major capital improvement projects as either primarily relating to buildings (e.g., City Hall), green spaces (e.g., landscaping and parks), and/or transportation (e.g., streets and traffic control devices). These classifications are intended to organize similar projects for ease of reference. Throughout the CIP, projects are color-coded **purple** for building projects, **green** for green spaces projects, and **blue** for transportation projects. Where a project is classified in multiple categories, the color-coding is blended (e.g., transportation/green spaces projects are color-coded **blue/green**).

Major capital improvement projects are further categorized as either funded, partially funded, or unfunded. Partial funding of projects is not unusual, as full

funding may be developed over the course of several fiscal years, as grants and other federal, state, and county funds are obtained in order to reduce impacts to the General Fund. In other cases, funding from the General Fund may be set aside for projects over multiple fiscal years in the interest of fiscal prudence. The preparation of design documents and construction drawings may also precede the allocation of construction funding.

SIGNIFICANT CHANGES IN CAPITAL IMPROVEMENT PROJECTS

Fiscal Year 2017-18

A project to rehabilitate the pavement on westbound El Toro Road between Avenida Sevilla and Paseo de Valencia has been added to the Fiscal Year 2017-18 Budget & Work Plan and CIP as a funded project. The project is part of the City's seven-year Pavement Management Plan.

A project to improve pedestrian accessibility in several locations along Moulton Parkway has been added to the Fiscal Year 2017-18 Budget & Work Plan and CIP as a funded project contingent on the receipt of external funding. The City has received a tentative notice of award of Community Development Block Grant ("CDBG") funds for the project.

A project to improve drainage in the vicinity of Moulton Parkway at Santa Maria Avenue has been added to the Fiscal Year 2017-18 Budget & Work Plan and CIP as a funded project.

Construction of the "City Hall Restroom Repair and Improvement Project" has been added to the Fiscal Year 2017-18 Budget & Work Plan and CIP as a funded project. Design documents and construction drawings were prepared in Fiscal Year 2016-17.

A project to design various refurbishments and safety improvements at City Hall has been added to the Fiscal Year 2017-18 Budget & Work Plan and CIP as a funded project. Construction of the refurbishments has been added to the Fiscal Year 2018-19 Budget & Work Plan and CIP as a funded project.

Fiscal Year 2018-19

A project to rehabilitate the pavement on eastbound El Toro Road between Avenida Sevilla and Church Intersection has been added to the Fiscal Year 2018-19 Budget & Work Plan and CIP as a funded project. The project is part of the City's seven-year Pavement Management Plan.

A project to improve pedestrian accessibility in several locations along El Toro Road and Moulton Parkway has been added to the Fiscal Year 2018-19 Budget & Work Plan and CIP as a funded project, contingent on the receipt of external funding. The City intends to apply for CDBG funds for the project.

A project to design water efficient improvements for the medians located on El Toro Road between Calle Sonora and Moulton Parkway has been added to the Fiscal Year 2018-19 Budget & Work Plan and CIP as a funded project. The City Council is expected to consider funding construction as part of the Fiscal Years 2019-20 Budget & Work Plan and CIP.

A project to refurbish and improve safety at City Hall has been added to the Fiscal Year 2018-19 Budget & Work Plan and CIP as a funded project.

Future Fiscal Years

The following projects have been added to the CIP as unfunded projects for the fiscal years noted. The City Council is expected to consider funding as a part of the respective fiscal years budgets, work plans, and CIPs.

[Capital Projects Summary – Changes for Future Fiscal Years]

Fiscal Year	Project Title
2019-20	Americans with Disabilities Act (ADA) Pedestrian Accessibility Project: Phase 3 (El Toro Road)
2019-20	El Toro Road Water Efficient Median Improvement Project (Between Calle Sonora and Moulton Parkway) (Construction)
2019-20	City Hall Emergency Backup Generator Project (Design)
2020-21	Woods End Wilderness Preserve Trail Drainage and Improvement Project
2020-21	City Hall Emergency Backup Generator Project (Construction)
2020-21	City Hall Television Broadcast Improvement Project
2021-22	Americans with Disabilities Act (ADA) Pedestrian Accessibility Project: Phase 4 (Moulton Parkway and Santa Maria Avenue)
2022-23	Americans with Disabilities Act (ADA) Pedestrian Accessibility Project: Phase 5 (El Toro Road and Santa Maria Avenue)

The estimated cost of the pedestrian accessibility improvements included in the “Pavement Management Plan Project (Eastbound Ridge Route Drive between Eastern City Limit and Moulton Parkway)” has been increased by \$1,750, based on the nature of anticipated improvements.

The estimated costs for design and construction of the “El Toro Road Water Efficient Median Improvement Project (Between Calle Sonora and Moulton Parkway)” have been decreased by \$181,300, based on conceptual design changes. It is assumed that no hardscape maintenance band will be installed and that the irrigated area will be limited to 25% of the pervious surface area.

The “Santa Maria Avenue Water Efficient Median Project” has been removed from the CIP. It was previously included as an unfunded project; however, after further consideration, it has been determined that on-site conditions do not necessitate such extensive reconstruction, at this time.

FUTURE OUTLOOK FOR CAPITAL PROJECTS

The City’s seven-year Pavement Management Plan anticipates rehabilitation phased in a manner that is intended to minimize the length and impact of in-lane roadway work on residents and businesses. The Pavement Management Plan will undergo a biennial update during Fiscal Year 2017-18 for a term spanning fiscal years 2018-19 through 2024-25. It is anticipated that additional pavement management plan projects will be identified through that effort.

Pedestrian accessibility improvements on City sidewalks and curb ramps will continue to be necessary on an ongoing basis, as even well-maintained and presently accessible hardscape cracks, lifts, or otherwise degrades over time. It is anticipated that an accessibility survey will be completed during Fiscal Year 2020-21, and every five years thereafter, to identify future projects.

During Fiscal Years 2017-19, staff will conduct an analysis of El Toro Road and Moulton Parkway in order to identify opportunities for active transportation, pedestrian and bicycle safety, transit facility, drainage and storm water capture, and other “complete streets” improvements. It is anticipated that future projects will be identified through that effort.

During Fiscal Years 2017-19, staff will prepare a scope of work for additional refurbishments and safety improvements at City Hall. It is anticipated that the scope of work will form the basis of a future, second phase of the “City Hall Refurbishment and Safety Improvement Project.”

Like jurisdictions throughout California, the City’s urban forest is impacted by the invasive Polyphagous Shot Hole Borer (“PSHB”). The PSHB has infected more than one-third of the Sycamore trees on El Toro Road (as of November 2016) with a pathogenic fungi likely to cause branch dieback, canopy loss, and/or death. While the infected trees show only minimal impacts at present,

extensive tree removal and replacement may be required in coming years to maintain a healthy and safe urban forest. Staff is currently monitoring the situation and developing a recommended course of action. PSHB response is included as a significant work plan item in this budget and work plan.

FUNDED AND PARTIALLY FUNDED CAPITAL IMPROVEMENT PROJECTS

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AMENDMENT RECORD

Significant amendments made to the CIP are summarized in this section.

9/20/2017 – Modified the estimated construction and implementation costs for the “Pavement Management Plan Project (Westbound El Toro Road between Avenida Sevilla and Paseo de Valencia)” to reflect the planned expenditure of Road Maintenance and Rehabilitation Program funds.

Added estimates of the useful lives of the “Pavement Management Plan Project (Westbound El Toro Road between Avenida Sevilla and Paseo de Valencia)” and the “Pavement Management Plan Project (Eastbound El Toro Road between Avenida Sevilla and Church Intersection),” in order to comply with Road Maintenance and Rehabilitation Program funding requirements.

CAPITAL IMPROVEMENT PROGRAM PROJECT WORKSHEET



Project Title: **El Toro Road Traffic Signal Synchronization Project**

Classification: **Transportation**

Funding Status: **Funded (Multiple Prior Years)**

Priority

Alignment:



Healthy and safe



High in quality of life



Environmentally conscious

Project Description

This project is a multi-city undertaking with the City acting as the lead agency with support from the City of Aliso Viejo, City of Laguna Hills, and the California Department of Transportation ("Caltrans"). The project includes synchronization work and the installation of traffic detection, monitoring, and backup power equipment at certain intersections on El Toro Road from Bells Vireo Lane (in Aliso Viejo) to Bridger Road (in Laguna Hills).

Purpose

This project will help improve the flow of traffic by modifying timing plans and installing various equipment to reduce congestion. Minimization of the time motor vehicles spend idling at red lights will also improve air quality and new uninterrupted power supplies will help sustain the operation of traffic signals during energy shortages and disruptions.

Construction and Implementation Costs

This project is currently awarded \$514,000 in funding from the Orange County Transportation Authority's Measure M2 program. The City will match the award with in-kind services and \$83,020 in CARITS funds. The total project cost, including matches from all involved agencies, is \$642,500.

CAPITAL IMPROVEMENT PROGRAM PROJECT WORKSHEET



Project Title: **Moulton Parkway Traffic Signal Synchronization Project**

Classification: **Transportation**

Funding Status: Funded (Multiple Prior Years)

Priority

Alignment:



Healthy and safe



High in quality of life



Environmentally conscious

Project Description

This project is a multi-city undertaking with the City acting as the lead agency with support from the City of Laguna Hills, City of Laguna Niguel, and the California Department of Transportation ("Caltrans"). The project includes synchronization work and the installation of traffic detection, monitoring, and backup power equipment at certain intersections on Moulton Parkway from Lake Forest Drive (in Laguna Hills) to Camino del Avion (in Laguna Niguel).

Purpose

This project will help improve the flow of traffic by modifying timing plans and installing various equipment to reduce congestion. Minimization of the time motor vehicles spend idling at red lights will also improve air quality and new uninterrupted power supplies will help sustain the operation of traffic signals during energy shortages and disruptions.

Construction and Implementation Costs

This project is currently awarded \$645,440 in funding from the Orange County Transportation Authority's Measure M2 program. The City will match the award with in-kind services and \$65,680 in CARITS funds. The total project cost, including matches from all involved agencies, is \$808,050.

CAPITAL IMPROVEMENT PROGRAM PROJECT WORKSHEET



Project Title: **Pavement Management Plan Project (Westbound El Toro Road between Avenida Sevilla and Paseo de Valencia)**

Classification: **Transportation** Street Section ID: W/BET-AS-PDV

Funding Status: Funded (2017-18) Estimated Useful Life: 5 years

Priority

Alignment:



Healthy and safe



High in quality of life

Project Description

This project involves the rehabilitation of pavement along the specified street section, including replacement of deteriorated pavement and a surface seal of crack sealant and rubberized slurry. Pedestrian accessibility improvements will also be made along the street section and/or within the City.

Purpose

This project is a part of the City’s seven-year Pavement Management Plan to extend the useful life and improve the quality of pavement on street sections rated at a Pavement Condition Index (“PCI”) below 80. Ongoing pavement management helps to minimize the prolonged and more impactful work that typically accompanies projects involving significantly degraded pavement. As of January 2016, the specified street section had a PCI of 78.

Construction and Implementation Costs

The one-time cost of designing and constructing this project is estimated at \$157,500 (as of May 2016; subject to the completion of design documents, construction drawings, and competitive bids). \$50,000 in Road Maintenance and Rehabilitation Program revenue and \$107,500 in Fuel Tax revenue will be used to fund this project.

CAPITAL IMPROVEMENT PROGRAM PROJECT WORKSHEET



Project Title: **Americans with Disabilities Act (ADA) Pedestrian Accessibility Improvement Project: Phase 1 (Moulton Parkway)**

Classification: **Transportation**

Funding Status: Contingent on the receipt of external funding (2017-18)

Priority

Alignment:



Healthy and safe



High in quality of life

Project Description

This project involves the improvement of pedestrian paths-of-travel, including elimination of gaps, lifts, and other uneven sidewalk surfaces; reconstruction of curb ramps; and, replacement of detectable warnings. Right-of-way may also be modified to increase navigable area and clearances.

Purpose

This project is based on the findings of an accessibility survey of City sidewalks and curb ramps. The improvements are intended to enhance ease of travel and promote compliance with the Americans with Disabilities Act of 1990, Architectural Barriers Act of 1968, and Rehabilitation Act of 1973.

Construction and Implementation Costs

The one-time cost of designing and constructing this project is estimated at \$145,700 (as of January 2017; subject to the completion of design documents, construction drawings, and competitive bids). This project is contingent on the receipt of external funding. The City anticipates receiving Community Development Block Grant ("CDBG") funding.

CAPITAL IMPROVEMENT PROGRAM PROJECT WORKSHEET



Project Title: **Drainage Improvement Project (Moulton Parkway at Santa Maria Avenue)**

Classification: **Transportation**

Funding Status: **Funded (2017-18)**

Priority

Alignment:



Healthy and safe



High in quality of life

Project Description

The project involves the installation of a box culvert and related drainage, as well as the repair of an existing perforated pipe, on Moulton Parkway south of Santa Maria Avenue. Portions of the southbound sidewalk will be removed to allow for the repair of the perforated pipe and replaced with mulch or another pervious covering to facilitate future repairs.

Purpose

This project is intended to improve drainage and prevent pooling near curb ramps and in pedestrian paths-of-travel.

Construction and Implementation Costs

The one-time cost of constructing this project is estimated at \$59,563 (as of April 2017; subject to competitive bids). Unassigned General Fund balance will be used to fund this project.

CAPITAL IMPROVEMENT PROGRAM PROJECT WORKSHEET



Project Title: **Moulton Parkway Water Efficient Median Improvement Project (Construction)**

Classification: **Transportation/Green Spaces**

Funding Status: Funded (2016-17)

Priority

Alignment:



Healthy and safe



High in quality of life



Environmentally conscious

Project Description

This project involves retrofitting three primarily turf grass medians with drought-tolerant landscaping, water efficient irrigation systems, and “purple pipe” for future recycled water use. The irrigated area of the medians will be limited to 25% of the pervious surface area. The medians are located on Moulton Parkway between Via Campo Verde and Via Iglesia.

Purpose

This project is intended to reduce irrigation-related water consumption and runoff through the replacement of turf grass with drought-tolerant plantings and overhead spray irrigation with a more water efficient alternative. Moving irrigation systems and plantings further from the curb face of the medians will also help prevent inadvertent runoff and related pavement damage. When available, the use of recycled water for irrigation will help conserve potable water, thereby reducing demand for imported water.

Construction and Implementation Costs

The one-time cost of constructing this project is estimated at \$273,914 (as of June 2017). Fuel tax revenue will be used to fund this project.

CAPITAL IMPROVEMENT PROGRAM PROJECT WORKSHEET



Project Title: **City Hall Restroom Repair and Improvement Project**

Classification: **Buildings**

Funding Status: Funded (2017-18)

Priority

Alignment:



Healthy and safe

Project Description

This project involves the repair of the deteriorated subfloor in the second floor restrooms at City Hall, including replacement of tile flooring and underlying lightweight concrete. Accessibility, lighting, energy, heating, ventilation, and air conditioning improvements will also be made in both the first and second floor restrooms, and first floor drinking fountains.

Purpose

This project is necessary in order to complete the repair of the deteriorated subfloor at City Hall, improve accessibility and energy efficiency within City Hall, and modernize restroom and drinking facilities.

Construction and Implementation Costs

The one-time cost of constructing this project is estimated at \$283,363 (as of May 2017; subject to competitive bids). Unassigned General Fund balance will be used to fund this project.

CAPITAL IMPROVEMENT PROGRAM PROJECT WORKSHEET



Project Title: **City Hall Refurbishment and Safety Project: Phase 1 (Design)**

Classification: **Buildings**

Funding Status: Funded (2017-18)

Priority

Alignment:



Healthy and safe

Project Description

This project involves refurbishments and safety improvements at City Hall, including the exterior, public areas, and stairwells. Improvements will include paint, façade repair, replacement of deteriorated signage, reconstruction of damaged planters, replacement of stained/worn carpeting and baseboards, accessibility improvements, and safety and security modifications.

Purpose

This project is intended to ensure that City Hall remains a safe, accessible, and well-maintained public space. The improvements will help to safeguard the City's only public building and seat of government.

Design Costs

The one-time cost of designing this project is estimated at \$22,500. Unassigned General Fund balance will be used to fund this project.

CAPITAL IMPROVEMENT PROGRAM PROJECT WORKSHEET



Project Title: **Pavement Management Plan Project (Eastbound El Toro Road between Avenida Sevilla and Church Intersection)**

Classification: **Transportation** Street Section ID: E/BET-AS-LCC

Funding Status: Funded (2018-19) Estimated Useful Life: 5 years

Priority

Alignment:



Healthy and safe



High in quality of life

Project Description

This project involves the rehabilitation of pavement along the specified street section, including replacement of deteriorated pavement and a surface seal of crack sealant and rubberized slurry. Pedestrian accessibility improvements will also be made along the street section and/or within the City.

Purpose

This project is a part of the City's seven-year Pavement Management Plan to extend the useful life and improve the quality of pavement on street sections rated at a Pavement Condition Index ("PCI") below 80. Ongoing pavement management helps to minimize the prolonged and more impactful work that typically accompanies projects involving significantly degraded pavement. As of January 2016, the specified street section had a PCI of 79.

Construction and Implementation Costs

The one-time cost of designing and constructing this project is estimated at \$110,250 (as of May 2016; subject to the completion of design documents, construction drawings, and competitive bids). Road Maintenance and Rehabilitation Program revenue will be used to fund this project.

CAPITAL IMPROVEMENT PROGRAM PROJECT WORKSHEET



Project Title: **Americans with Disabilities Act (ADA) Pedestrian Accessibility Improvement Project: Phase 2 (El Toro Road and Moulton Parkway)**

Classification: **Transportation**

Funding Status: Contingent on the receipt of external funding (2018-19)

Priority

Alignment:



Healthy and safe



High in quality of life

Project Description

This project involves the improvement of pedestrian paths-of-travel, including elimination of gaps, lifts, and other uneven sidewalk surfaces; reconstruction of curb ramps; and/or, replacement of detectable warnings. Right-of-way may also be modified to increase navigable area and clearances.

Purpose

This project is based on the findings of an accessibility survey of City sidewalks and curb ramps. The improvements are intended to enhance ease of travel and promote compliance with the Americans with Disabilities Act of 1990, Architectural Barriers Act of 1968, and Rehabilitation Act of 1973.

Construction and Implementation Costs

The one-time cost of designing and constructing this project is estimated at \$145,700 (as of January 2017; subject to the completion of design documents, construction drawings, and competitive bids). This project is contingent on the receipt of external funding. The City anticipates applying for Community Development Block Grant ("CDBG") funding.

CAPITAL IMPROVEMENT PROGRAM PROJECT WORKSHEET



Project Title: **El Toro Road Water Efficient Median Improvement Project (Between Calle Sonora and Moulton Parkway) (Design)**

Classification: **Transportation/Green Spaces**

Funding Status: Funded (2018-19)

Priority

Alignment:



Healthy and safe



High in quality of life

Project Description

This project involves retrofitting two primarily turf grass medians with drought-tolerant landscaping, water efficient irrigation systems, and “purple pipe” for future recycled water use. The irrigated area of the medians will be limited to 25% of the pervious surface area. The medians are located on El Toro Road between Calle Sonora and Moulton Parkway.

Purpose

This project is intended to reduce irrigation-related water consumption and runoff through the replacement of turf grass with drought-tolerant plantings and overhead spray irrigation with a more water efficient alternative. Moving irrigation systems and plantings further from the curb face of the medians will also help prevent inadvertent runoff and related pavement damage. When available, the use of recycled water for irrigation will help conserve potable water, thereby reducing demand for imported water.

Design Costs

The one-time cost of designing this project is estimated at \$19,250. Fuel Tax revenue will be used to fund this project.

CAPITAL IMPROVEMENT PROGRAM PROJECT WORKSHEET



Project Title: **City Hall Refurbishment and Safety Project: Phase 1 (Construction)**

Classification: **Buildings**

Funding Status: Funded (2018-19)

Priority

Alignment:



Healthy and safe



Environmentally conscious

Project Description

This project involves refurbishments and safety improvements at City Hall, including the exterior, public areas, and stairwells. Improvements will include paint, façade repair, replacement of deteriorated signage, reconstruction of damaged planters, replacement of stained/worn carpeting and baseboards, accessibility improvements, and safety and security modifications.

Purpose

This project is intended to ensure that City Hall remains a safe, accessible, and well-maintained public space. The improvements will help to safeguard the City's only public building and seat of government.

Construction and Implementation Costs

The one-time cost of constructing this project is estimated at \$165,000 (as of May 2017; subject to the completion of design documents, construction drawings, and competitive bids). Unassigned General Fund balance will be used to fund this project.

CAPITAL IMPROVEMENT PROGRAM PROJECT WORKSHEET

Project Title: **Americans with Disabilities Act (ADA) Pedestrian
Accessibility Improvement Projects**

Classification: **Transportation** Funding Status: Unfunded

Projected Funding Plan: See Table Below

Project Description

These projects involve the improvement of pedestrian paths-of-travel along El Toro Road, Moulton Parkway, and Santa Maria Avenue, including elimination of gaps, lifts, and other uneven sidewalk surfaces; reconstruction of curb ramps; and/or, replacement of detectable warnings. Right-of-way may also be modified to increase navigable area and clearances.

Street(s)
El Toro Road
Moulton Parkway and Santa Maria Avenue
El Toro Road and Santa Maria Avenue

Purpose

These projects are based on the findings of an accessibility survey of City sidewalks and curb ramps. The improvements are intended to enhance ease of travel and promote compliance with the Americans with Disabilities Act of 1990, Architectural Barriers Act of 1968, and Rehabilitation Act of 1973.

Construction and Implementation Costs

Over the course of fiscal years 2019-20 through 2022-23, the one-time cost of designing and constructing these projects is estimated at \$437,100 (as of January 2017; subject to the completion of design documents, construction drawings, and competitive bids). These projects are contingent on the receipt of external funding. The City anticipates applying for Community Development Block Grant ("CDBG") funding.

Street(s)	Anticipated Fiscal Year	Total
El Toro Road	2019-20	\$145,700
Moulton Parkway and Santa Maria Avenue	2021-22	\$145,700
El Toro Road and Santa Maria Avenue	2022-23	\$145,700
Total		\$437,100

CAPITAL IMPROVEMENT PROGRAM PROJECT WORKSHEET

Project Title: Pavement Management Plan Projects

Classification: Transportation **Funding Status:** Unfunded

Projected Funding Plan: See Table Below

Project Description

These projects involve the rehabilitation of pavement, including replacement of deteriorated pavement and surface seals of crack sealant and rubberized slurry. Pedestrian accessibility improvements would also be made along the street sections and/or within the City.

Street Section ID	Street Section Location
W/BET-SNCC-AS	Westbound El Toro Road between Avenida Sevilla and Church Intersection
E/BRR-MP-RRLP	Eastbound Ridge Route Drive between Moulton Parkway and Ridge Route Linear Park

Purpose

These projects are a part of the City’s seven-year Pavement Management Plan to extend the useful life and improve the quality of pavement on street sections rated at a Pavement Condition Index (“PCI”) below 80. Ongoing pavement management helps to minimize the prolonged and more impactful work that typically accompanies projects involving significantly degraded pavement. As of January 2016, Street Section W/BET-SNCC-AS had a PCI of 78 and Street Section E/BRR-MP-RRLP had a PCI of 95.

Construction and Implementation Costs

Over the course of fiscal years 2019-20 through 2021-22, the one-time cost of constructing these projects is estimated at \$127,750 (as of June 2016; subject to the completion of design documents, construction drawings, and competitive bids). It is anticipated that Road Maintenance and Rehabilitation Program revenue will be used to fund these projects.

Street Section ID	Anticipated Fiscal Year	Pavement	Pedestrian Accessibility	Total
W/BET-SNCC-AS	2019-20	\$105,000	\$5,250	\$110,250
E/BRR-MP-RRLP	2021-22	\$15,000	\$2,500	\$17,500
Total		\$120,000	\$7,750	\$127,750

CAPITAL IMPROVEMENT PROGRAM PROJECT WORKSHEET

Project Title: **El Toro Road Water Efficient Median Improvement Project (Between Calle Sonora and Moulton Parkway) (Construction)**

Classification: **Transportation/Green Spaces**

Funding Status: Unfunded

Projected Funding Plan: Fiscal Year 2019-20

Project Description

This project involves retrofitting two primarily turf grass medians with drought-tolerant landscaping, water efficient irrigation systems, and “purple pipe” for future recycled water use. The irrigated area of the medians will be limited to 25% of the impervious surface area. The medians are located on El Toro Road between Calle Sonora and Moulton Parkway.

Purpose

This project is intended to reduce irrigation-related water consumption and runoff through the replacement of turf grass with drought-tolerant plantings and overhead spray irrigation with a more water efficient alternative. Moving irrigation systems and plantings further from the curb face of the medians will also help prevent inadvertent runoff and related pavement damage. When available, the use of recycled water for irrigation will help conserve potable water, thereby reducing demand for imported water.

Construction and Implementation Costs

The one-time cost of constructing this project is estimated at \$95,000 (as of May 2017; subject to the completion of design documents, construction drawings, and competitive bids). It is anticipated that Fuel Tax revenue will be used to fund this project.

CAPITAL IMPROVEMENT PROGRAM PROJECT WORKSHEET

Project Title: **City Centre Park Lighting Improvement Project**

Classification: **Green Spaces** Funding Status: Unfunded

Projected Funding Plan: Fiscal Year 2023-24

Project Description

This project involves using existing conduit to install low-level walkway lighting along the serpentine walking path and hardscape areas in City Centre Park.

Purpose

This project is intended to improve the utility and function of City Centre Park. Light fixtures were part of the initial design for City Centre Park; however, only conduit to allow for future lighting was installed during construction.

Construction and Implementation Costs

The one-time cost of designing and constructing this project is estimated at \$115,000 (as of May 2016; subject to the completion of design documents, construction drawings, and competitive bids). No funding source has been identified; however, City personnel will seek grant opportunities.

CAPITAL IMPROVEMENT PROGRAM PROJECT WORKSHEET

Project Title: **Woods End Wilderness Preserve Trail Drainage and Improvement Project**

Classification: **Green Spaces** Funding Status: Unfunded

Projected Funding Plan: Fiscal Year 2020-21

Project Description

This project involves the construction of new drainage facilities, installation of crushed rock and gravel on the trail and access road, entry improvements, and safety and security modifications at Woods End Wilderness Preserve.

Purpose

This project is intended to improve drainage and prevent storm water runoff from the Woods End Wilderness Preserve trail and access road. It will also enhance the safety and condition of the City-maintained entry area.

Construction and Implementation Costs

The one-time cost of constructing this project is estimated at \$101,396 (as of May 2017; subject to competitive bids). It is anticipated that unassigned General Fund balance will be used to fund this project.

CAPITAL IMPROVEMENT PROGRAM PROJECT WORKSHEET

Project Title: **City Hall Emergency Backup Generator Project (Design)**

Classification: **Buildings** Funding Status: Unfunded

Projected Funding Plan: Fiscal Year 2019-20

Project Description

This project involves the installation of an emergency backup generator and automatic transfer switch at City Hall. The emergency backup generator will be capable of providing sufficient power to allow City Hall to function for a period of not less than 24 hours of continuous use.

Purpose

This project is intended to ensure the security, reliability, and functionality of City Hall during emergencies. The installation of an appropriately sized and configured emergency backup generator will support continuity of City Hall's operations during energy shortages and disruptions.

Design Costs

The one-time cost of designing this project is estimated at \$60,000. It is anticipated that unassigned General Fund balance will be used to fund this project.

CAPITAL IMPROVEMENT PROGRAM PROJECT WORKSHEET

Project Title: **City Hall Emergency Backup Generator Project
(Construction)**

Classification: **Buildings** Funding Status: Unfunded

Projected Funding Plan: Fiscal Year 2020-21

Project Description

This project involves the installation of an emergency backup generator and automatic transfer switch at City Hall. The emergency backup generator will be capable of providing sufficient power to allow City Hall to function for a period of not less than 24 hours of continuous use.

Purpose

This project is intended to ensure the security, reliability, and functionality of City Hall during emergencies. The installation of an appropriately sized and configured emergency backup generator will support continuity of City Hall's operations during energy shortages and disruptions.

Construction and Implementation Costs

The one-time cost of constructing this project is estimated at \$385,000 (as of May 2017; subject to the completion of design documents, construction drawings, and competitive bids). It is anticipated that unassigned General Fund balance will be used to fund this project.

CAPITAL IMPROVEMENT PROGRAM PROJECT WORKSHEET

Project Title: **City Hall Television Broadcast Improvement Project**

Classification: **Buildings** Funding Status: Unfunded

Projected Funding Plan: Fiscal Year 2020-21

Project Description

This project involves the replacement of analog video equipment in the City Council Chambers at City Hall with digital video equipment.

Purpose

This project is intended to improve the broadcast quality of the City's local government television channel. Currently, individuals who use digital or high-definition televisions to view the City's local government channel experience low picture quality as a result of existing analog video equipment.

Construction and Implementation Costs

The one-time cost of designing and constructing this project is estimated at \$75,000 (as of May 2017; subject to the completion of design documents, construction drawings, and competitive bids). It is anticipated that Public, Educational, and Governmental ("PEG") Fees collected from cable television franchisees will be used to fund this project.

CITY OF LAGUNA WOODS
Fiscal Years 2017-18 and 2018-19 Capital Improvement Program - Funding Plan

EXPENDITURES		FY 14-15	FY 15-16	FY 2016-17	Year 1				Year 2					
#	Project Title	Estimated Project Cost	Funded FY 14-15	Funded FY 15-16	Funded FY 16-17	Amount Unfunded (If Partially Funded)	Budget FY 17-18 (General Fund)	Budget FY 17-18 (Transportation Funds)	Proposed FY 17-18 (Other)	Amount Unfunded (If Partially Funded)	Budget FY 18-19 (General Fund)	Budget FY 18-19 (Transportation Funds)	Budget FY 18-19 (Other)	Amount Unfunded (If Partially Funded)
TRANSPORTATION PROJECTS														
1	El Toro Road Traffic Signal Synchronization Project	\$ 642,500	\$ 720	\$ 611,800	\$ 29,980	-	-	-	-	-	-	-	-	-
2	Moulton Parkway Traffic Signal Synchronization Project	\$ 808,050	\$ 1,440	\$ 736,850	\$ 69,760	-	-	-	-	-	-	-	-	-
3	Pavement Management Plan Project (Westbound El Toro Road between Avenida Sevilla and Paseo de Valencia)	\$ 157,500	-	-	-	-	-	\$ 157,500 *	-	-	-	-	-	-
4	Pavement Management Plan Project (Eastbound El Toro Road between Avenida Sevilla and Church Intersection)	\$ 110,250	-	-	-	-	-	-	-	-	-	\$ 110,250 **	-	-
5	Pavement Management Plan Project (Westbound El Toro Road between Avenida Sevilla and Church Intersection)	\$ 110,250	-	-	-	-	-	-	-	-	-	-	-	-
6	Pavement Management Plan Project (Eastbound Ridge Route Drive between Moulton Parkway and Ridge Route Linear Park)	\$ 17,500	-	-	-	-	-	-	-	-	-	-	-	-
7	Americans with Disabilities Act (ADA) Pedestrian Accessibility Improvement Project: Phase 1 (Moulton Parkway)	\$ 145,700	-	-	-	-	-	-	\$ 145,700 ***	-	-	-	-	-
8	Americans with Disabilities Act (ADA) Pedestrian Accessibility Improvement Project: Phase 2 (El Toro Road and Moulton Parkway)	\$ 145,700	-	-	-	-	-	-	-	-	-	-	\$ 145,700 ****	-
9	Americans with Disabilities Act (ADA) Pedestrian Accessibility Improvement Project: Phase 3 (El Toro Road)	\$ 145,700	-	-	-	-	-	-	-	-	-	-	-	-
10	Americans with Disabilities Act (ADA) Pedestrian Accessibility Improvement Project: Phase 4 (Moulton Parkway and Santa Maria Avenue)	\$ 145,700	-	-	-	-	-	-	-	-	-	-	-	-
11	Americans with Disabilities Act (ADA) Pedestrian Accessibility Improvement Project: Phase 5 (El Toro Road and Santa Maria Avenue)	\$ 145,700	-	-	-	-	-	-	-	-	-	-	-	-
12	Drainage Improvement Project (Moulton Parkway at Santa Maria Avenue)	\$ 59,563	-	-	-	-	\$ 59,563	-	-	-	-	-	-	-
TRANSPORTATION / GREEN SPACES PROJECTS														
13	El Toro Road Water Efficient Median Improvement Project (Between Calle Sonora and Moulton Parkway) (Design)	\$ 19,250	-	-	-	-	-	-	-	-	-	\$ 19,250	-	-

CITY OF LAGUNA WOODS
Fiscal Years 2017-18 and 2018-19 Capital Improvement Program - Funding Plan

EXPENDITURES		FY 14-15	FY 15-16	FY 2016-17	Year 1				Year 2					
#	Project Title	Estimated Project Cost	Funded FY 14-15	Funded FY 15-16	Funded FY 16-17	Amount Unfunded (If Partially Funded)	Budget FY 17-18 (General Fund)	Budget FY 17-18 (Transportation Funds)	Proposed FY 17-18 (Other)	Amount Unfunded (If Partially Funded)	Budget FY 18-19 (General Fund)	Budget FY 18-19 (Transportation Funds)	Budget FY 18-19 (Other)	Amount Unfunded (If Partially Funded)
TRANSPORTATION / GREEN SPACES PROJECTS (continued)														
14	El Toro Road Water Efficient Median Improvement Project (Between Calle Sonora and Moulton Parkway) (Construction)	\$ 95,000	-	-	-	-	-	-	-	-	-	-	-	-
15	Moulton Parkway Water Efficient Median Improvement Project (Design)	\$ 52,250	-	\$ 52,250	-	-	-	-	-	-	-	-	-	-
16	Moulton Parkway Water Efficient Median Improvement Project (Construction)	\$ 273,914	-	-	\$ 273,914	-	-	-	-	-	-	-	-	-
GREEN SPACES PROJECTS														
17	City Centre Park Lighting Improvement Project	\$ 115,000	-	-	-	-	-	-	-	-	-	-	-	-
18	Woods End Wilderness Preserve Trail Drainage and Improvement Project	\$ 101,396	-	-	-	-	-	-	-	-	-	-	-	-
BUILDING PROJECTS														
19	City Hall Restroom Repair and Improvement Project (Construction)	\$ 283,363	-	-	-	-	\$ 283,363	-	-	-	-	-	-	-
20	City Hall Refurbishment and Safety Project: Phase 1 (Design)	\$ 22,500	-	-	-	-	\$ 22,500	-	-	-	-	-	-	-
21	City Hall Refurbishment and Safety Project: Phase 1 (Construction)	\$ 165,000	-	-	-	-	-	-	-	\$ 165,000	-	-	-	-
22	City Hall Emergency Backup Generator Project (Design)	\$ 60,000	-	-	-	-	-	-	-	-	-	-	-	-
23	City Hall Emergency Backup Generator Project (Construction)	\$ 385,000	-	-	-	-	-	-	-	-	-	-	-	-
24	City Hall Television Broadcast Improvement Project	\$ 75,000	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL (ALL PROJECTS)		\$ 4,281,786	\$ 2,160	\$ 1,400,900	\$ 373,654	\$ -	\$ 365,426	\$ 157,500	\$ 145,700	\$ -	\$ 165,000	\$ 129,500	\$ 145,700	\$ -
TRANSPORTATION-RELATED OPERATIONS & MAINTENANCE*****														
A	Measure M2 Fair Share Expenditures													
	Street Lighting - Public Right-of-Way	\$ 22,501	\$ 27,006	\$ 25,329	-	-	-	\$ 25,761	-	-	-	\$ 26,367	-	-
	Contract - Traffic Engineering	\$ 119,429	\$ 122,126	\$ 165,600	-	-	-	\$ 163,600	-	-	-	\$ 163,600	-	-
	Contract - Traffic Signal Maintenance	\$ 35,502	\$ 23,843	\$ 41,505	-	-	-	\$ 51,983	-	-	-	\$ 52,325	-	-
	Vendor Reimbursements (Prior Year Charges)	\$ (9,495)	-	-	-	-	-	-	-	-	-	-	-	-
	Allowable Overhead Costs	\$ 1,535	\$ 600	\$ 600	-	-	-	\$ 700	-	-	-	\$ 700	-	-
TOTAL		\$ 169,472	\$ 173,575	\$ 233,034	\$ -	\$ -	\$ -	\$ 242,044	\$ -	\$ -	\$ -	\$ 242,992	\$ -	\$ -

* \$50,000 in Road Maintenance and Rehabilitation Program revenue and \$107,500 in Fuel Tax revenue will be used to fund this project.

** Road Maintenance and Rehabilitation Program revenue will be used to fund this project.

*** This project is contingent on the City receiving external funding. The City anticipates receiving Community Development Block Grant (CDBG) funding.

**** This project is contingent on the City receiving external funding. The City anticipates applying for Community Development Block Grant (CDBG) funding.

***** This information is provided at the direction of the Orange County Transportation Authority. Operations and maintenance expenses are not capital improvement projects.

CITY OF LAGUNA WOODS
Fiscal Years 2019-20 through 2023-24 Capital Improvement Program - Projected Funding Plan

EXPENDITURES		Year 3				Year 4				Year 5				Year 6				Year 7					
#	Project Title	Estimated Project Cost	Projected FY 19-20 (General Fund)	Projected FY 19-20 (Transportation Funds)	Projected FY 19-20 (Other)	Amount Unfunded (If Partially Funded)	Projected FY 20-21 (General Fund)	Projected FY 20-21 (Transportation Funds)	Projected FY 20-21 (Other)	Amount Unfunded (If Partially Funded)	Projected FY 21-22 (General Fund)	Projected FY 21-22 (Transportation Funds)	Projected FY 21-22 (Other)	Amount Unfunded (If Partially Funded)	Projected FY 22-23 (General Fund)	Projected FY 22-23 (Transportation Funds)	Projected FY 22-23 (Other)	Amount Unfunded (If Partially Funded)	Projected FY 23-24 (General Fund)	Projected FY 23-24 (Transportation Funds)	Projected FY 23-24 (Other)	Amount Unfunded (If Partially Funded)	
TRANSPORTATION PROJECTS																							
1	El Toro Road Traffic Signal Synchronization Project	\$ 642,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	Moulton Parkway Traffic Signal Synchronization Project	\$ 808,050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	Pavement Management Plan Project (Westbound El Toro Road between Avenida Sevilla and Paseo de Valencia)	\$ 157,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4	Pavement Management Plan Project (Eastbound El Toro Road between Avenida Sevilla and Church Intersection)	\$ 110,250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5	Pavement Management Plan Project (Westbound El Toro Road between Avenida Sevilla and Church Intersection)	\$ 110,250	-	\$ 110,250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6	Pavement Management Plan Project (Eastbound Ridge Route Drive between Moulton Parkway and Ridge Route Linear Park)	\$ 17,500	-	-	-	-	-	-	-	-	\$ 17,500	-	-	-	-	-	-	-	-	-	-	-	
7	Americans with Disabilities Act (ADA) Pedestrian Accessibility Improvement Project: Phase 1 (Moulton Parkway)	\$ 145,700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8	Americans with Disabilities Act (ADA) Pedestrian Accessibility Improvement Project: Phase 2 (El Toro Road and Moulton Parkway)	\$ 145,700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
9	Americans with Disabilities Act (ADA) Pedestrian Accessibility Improvement Project: Phase 3 (El Toro Road)	\$ 145,700	-	-	\$ 145,700 *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10	Americans with Disabilities Act (ADA) Pedestrian Accessibility Improvement Project: Phase 4 (Moulton Parkway and Santa Maria Avenue)	\$ 145,700	-	-	-	-	-	-	-	-	-	\$ 145,700 **	-	-	-	-	-	-	-	-	-	-	
11	Americans with Disabilities Act (ADA) Pedestrian Accessibility Improvement Project: Phase 5 (El Toro Road and Santa Maria Avenue)	\$ 145,700	-	-	-	-	-	-	-	-	-	-	-	-	\$ 145,700 **	-	-	-	-	-	-	-	
12	Drainage Improvement Project (Moulton Parkway at Santa Maria Avenue)	\$ 59,563	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TRANSPORTATION / GREEN SPACES PROJECTS																							
13	El Toro Road Water Efficient Median Improvement Project (Between Calle Sonora and Moulton Parkway) (Design)	\$ 19,250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
14	El Toro Road Water Efficient Median Improvement Project (Between Calle Sonora and Moulton Parkway) (Construction)	\$ 95,000	-	\$ 95,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
15	Moulton Parkway Water Efficient Median Improvement Project (Design)	\$ 52,250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
16	Moulton Parkway Water Efficient Median Improvement Project (Construction)	\$ 273,914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GREEN SPACES PROJECTS																							
17	City Centre Park Lighting Improvement Project	\$ 115,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 115,000	-	-	-
18	Woods End Wilderness Preserve Trail Drainage and Improvement Project	\$ 101,396	-	-	-	-	\$ 101,396	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BUILDING PROJECTS																							
19	City Hall Restroom Repair and Improvement Project (Construction)	\$ 283,363	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20	City Hall Refurbishment and Safety Project: Phase 1 (Design)	\$ 22,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21	City Hall Refurbishment and Safety Project: Phase 1 (Construction)	\$ 165,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22	City Hall Emergency Backup Generator Project (Design)	\$ 60,000	\$ 60,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
23	City Hall Emergency Backup Generator Project (Construction)	\$ 385,000	-	-	-	-	\$ 385,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
24	City Hall Television Broadcast Improvement Project	\$ 75,000	-	-	-	-	-	\$ 75,000 ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL (ALL PROJECTS)		\$ 4,281,786	\$ 60,000	\$ 205,250	\$ 145,700	\$ -	\$ 486,396	\$ -	\$ 75,000	\$ -	\$ -	\$ 17,500	\$ 145,700	\$ -	\$ -	\$ -	\$ 145,700	\$ -	\$ 115,000	\$ -	\$ -	\$ -	

CITY OF LAGUNA WOODS
Fiscal Years 2019-20 through 2023-24 Capital Improvement Program - Projected Funding Plan

EXPENDITURES		Year 3				Year 4				Year 5				Year 6				Year 7				
		Estimated Project Cost	Projected FY 19-20 (General Fund)	Projected FY 19-20 (Transportation Funds)	Projected FY 19-20 (Other)	Amount Unfunded (If Partially Funded)	Projected FY 20-21 (General Fund)	Projected FY 20-21 (Transportation Funds)	Projected FY 20-21 (Other)	Amount Unfunded (If Partially Funded)	Projected FY 21-22 (General Fund)	Projected FY 21-22 (Transportation Funds)	Projected FY 21-22 (Other)	Amount Unfunded (If Partially Funded)	Projected FY 22-23 (General Fund)	Projected FY 22-23 (Transportation Funds)	Projected FY 22-23 (Other)	Amount Unfunded (If Partially Funded)	Projected FY 23-24 (General Fund)	Projected FY 23-24 (Transportation Funds)	Projected FY 23-24 (Other)	Amount Unfunded (If Partially Funded)
A	Measure M2 Fair Share Expenditures																					
	Street Lighting - Public Right-of-Way		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Contract - Traffic Engineering		\$ 163,600	-	-	-	\$ 167,440	-	-	-	\$ 167,440	-	-	-	\$ 167,440	-	-	-	\$ 167,440	-	-	-
	Contract - Traffic Signal Maintenance		\$ 52,682	-	-	-	\$ 53,048	-	-	-	\$ 54,359	-	-	-	\$ 54,359	-	-	-	\$ 54,359	-	-	-
	Vendor Reimbursements (Prior Year Charges)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Allowable Overhead Costs		\$ 700	-	-	-	\$ 750	-	-	-	\$ 750	-	-	-	\$ 700	-	-	-	\$ 700	-	-	-
	TOTAL		\$ 216,982	\$ -	\$ -	\$ -	\$ 221,238	\$ -	\$ -	\$ -	\$ 222,549	\$ -	\$ -	\$ -	\$ 222,499	\$ -	\$ -	\$ -	\$ 222,499	\$ -	\$ -	\$ -

* This project is contingent on the City receiving external funding. The City anticipates receiving Community Development Block Grant (CDBG) funding.

** This project is contingent on the City receiving external funding. The City anticipates applying for Community Development Block Grant (CDBG) funding.

*** This project would be funded using Public, Educational, and Governmental (PEG) fees.

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