

CAPITAL IMPROVEMENT PROGRAM

2019-2023



Park of the Americas

CITY OF ORLANDO, FLORIDA



TABLE OF CONTENTS

	<u>PAGE</u>		<u>PAGE</u>
CAPITAL IMPROVEMENT PROGRAM PROCESS	3	PROJECT STATUS REPORTS AND DETAIL SHEETS	
ADOPTED CAPITAL BUDGET	16	Community Infrastructure	48
PROGRAM SUMMARY	21	Economic Development	53
CAPITAL IMPROVEMENTS ELEMENT	32	General Government	64
2018 BUDGET REVIEW COMMITTEE ACTIONS	39	Public Safety	73
		Recreation and Culture	84
		Solid Waste	103
		Stormwater	108
		Transportation	119
		Water Reclamation	162
		 APPENDIX	
		Project Index	204

THIS PAGE LEFT INTENTIONALLY BLANK

CAPITAL IMPROVEMENT PROGRAM PROCESS

INTRODUCTION

City Government

The City of Orlando was incorporated on July 31, 1875, and the City Charter was adopted ten years later on February 4, 1885. Orlando, located in the approximate center of the State, is part of the four - county Orlando Metropolitan Statistical Area that consists of Orange, Osceola, Seminole and Lake Counties.

The Mayor serves as the Chief Executive Officer and oversees the daily administration of City operations and implementation of City policy through an eight-member cabinet. The eight cabinet members are the seven department directors and the City Clerk. The Chief of Staff, City Attorney, Chief Financial Officer, Chief Administrative Officer, and Chief Venues Officer serve as advisors to the cabinet. There are five staff offices that report to the Chief of Staff.

Capital Improvement Program

Annually, the City of Orlando prepares a five-year Capital Improvement Program. The Capital Improvement Programming process was initiated in 1966, following Municipal Planning Board recommendation and City Council approval. Though not published, the first programs were developed in 1967 and 1968. The City published its first program in March 1969. Entitled Capital Improvement Program 1969-1973, the report included 148 individual projects with a total estimated cost of \$93 million. On an annual basis thereafter, the City has published a revised and updated capital program for each subsequent five-year period.

This year's Capital Improvement Program, for the five fiscal years 2019-2023, contains information on 138 individual projects. These projects would require a public and private investment of over \$437 million for the five-year period.

The Capital Improvement Program is composed of four primary sections: 1) an introductory process section which explains the reasoning, responsibility, and process involved in developing the program, 2) a program summary which illustrates the total impact of the program by method of financing and type of service, 3) a Capital Improvements Element (CIE) section, and 4) project information broken down by type of service which includes a summary spreadsheet and detailed information about each specific project. The project information is categorized by type of service as follows:

- Economic Development
- General Government
- Public Safety
- Recreation and Culture
- Solid Waste
- Stormwater
- Transportation
- Water Reclamation

A fifth section summarizes all mid-year amendments made in the last fiscal year to the existing Capital Improvement Program.

**Capital Improvement Program:
What is it and why do we have one?**

City government provides needed and desired urban services to the public. In order to provide these services, the City must furnish and maintain capital facilities and equipment, such as sewers, roads, and parks. The capital improvement program is a proposed schedule for the expenditure of funds to acquire or construct these needed improvements over the next five-year period. It represents a comprehensive and direct statement of the physical development policies of the City. The program has major significance in that it touches the lives of each City resident and visitor through the provision of health, safety, transportation, recreation, and other services.

Purpose and Benefits of Capital Programming

The purpose of the Capital Improvement Program is to pull together all capital improvements identified by all City departments into a five-year program that weighs the City's capital needs against available funding. Toward this end, the Capital Improvement Program accomplishes the following:

1. Provides a means for coordinating and consolidating various departmental requests, thereby preventing duplication of projects and equipment.
2. Establishes a system of examining and prioritizing the needs of the City.
3. Provides an important implementation device for the Growth Management Plan.
4. Identifies the timing, phasing, location, and funding of capital improvements in a comprehensive manner.
5. Allows sufficient time for investigation of project financing, implementation measures, and proper technical design.
6. Coordinates physical with financial planning, allowing maximum benefits from available public funds.

7. Helps to provide an equitable distribution of public improvements throughout the City.
8. Provides a basis for formulation of possible bond programs as well as a project pool for investigation of various State and Federal aid programs.

Comprehensive Planning and Capital Programming

The City of Orlando's Growth Management Plan serves as the primary guide for the future development of the City. The plan is a comprehensive statement of long-range physical development goals, policies, and required actions. As such it provides the framework within which all development actions should occur.

The Capital Improvement Program is an important tool for implementing the City's Growth Management Plan. Along with the Land Development Code, it bridges the gap between the day-to-day operations of City government and the City's long-range development goals. The capital improvement programming process gives the community an opportunity to review overall development goals annually.

Comprehensive Planning and Land Development

Section 163.3177(3)(a), Florida Statutes, requires the City to adopt a Capital Improvements Element (CIE) as part of the City's Growth Management Plan (GMP). The CIE sets minimum acceptable level of service standards for various public facilities and services such as parks and recreation, transportation, wastewater, solid waste and stormwater. The CIE also identifies long-range strategies to address 1) maintenance of existing infrastructure, 2) projects needed to address existing deficiencies, and 3) accommodating growth.

The CIE is an adopted five-year schedule for the expenditure of funds to acquire or construct capital improvements based on the needs of the current and projected population. The CIE also includes projects funded by state or regional agencies that provide services within City limits. The Capital Improvements Element differs from the City's Capital Improvement Program in that the capital improvements in the CIE are to be programmed via the Growth Management Plan. The Capital Improvement Program, which includes the City-funded projects in Capital Improvements Element

and all other capital projects proposed by the City, is the vehicle that links capital improvements with adopted public policy. The Capital Improvement Program should not be considered a final, fixed, or rigid plan. Growth will produce change; change will create new needs, and consequently a new plan. Therefore, the CIP must be reviewed and revised annually.

PROCESS

Development of the Capital Improvement Program

Only projects that meet the definition of a capital improvement are included in the Capital Improvement Program. Capital improvements are defined as physical assets, constructed or purchased, that have a minimum useful life of three years and a minimum cost of \$100,000.

Examples of typical capital improvements are:

- a. New and expanded physical facilities for the community over the \$100,000 threshold.
- b. Large-scale rehabilitation or replacement of existing facilities.
- c. Major pieces of equipment that are over \$100,000 and have a relatively long period of usefulness.
- d. The cost of engineering or architectural studies and services relative to the improvement.
- e. The acquisition of land for a facility such as a park, highway, sewer line, etc.

Normal replacement of vehicles or equipment and normal recurring renovation costing less than \$100,000 are not included in the Capital Improvement Program.

In addition, hardware and software requests and other technology improvements are to be included in the Technology Investment Program process for Technology Management Division review. Although individual projects are not included in the CIP, there is a lump sum allocation for technology enhancements.

Each year the CIP is prepared from project requests submitted by the various departments and agencies of the City. The requests require a project description, a justification, cost estimates, a statement of impact on the City's annual operating budget, implementation schedule, and indications of project location and service area.

After compilation of the requests, Management and Budget, the Economic Development Department and the Mayor's Executive Staff (consisting of the Chief Administrative Officer, Chief of Staff, Chief Financial Officer, Chief Venues Officer, and the City Attorney) review the projects. This review, along with available funding, forms the basis of the program recommended to the City Council. The Municipal Planning Board also evaluates the recommended program for compliance with the Growth Management Plan.

The recommended program is then used in the development of the annual operating budget, which becomes effective October 1st of each year. The first year of the five-year program is the Capital Budget with the following four years becoming the Capital Improvement Program.

The Capital Improvement Program is a plan adopted by City Council with the adoption of the annual operating and capital budget, without a commitment to expenditures or appropriations beyond the first year. The CIE is a five-year program that is updated annually through the CIP process and can be amended twice a year through the GMP amendment process.

Responsibilities in Program Preparation

The Capital Improvement Program, by virtue of its comprehensive character, involves the full realm of City operations. Departments, Boards, and City Council must coordinate their actions to accomplish a successful program for improving the community.

Operating Departments, Boards and Agencies: The key role in the initial stages of capital programming falls upon the operating departments, boards and agencies. By virtue of their technical knowledge and experience in the individual fields, it becomes their responsibility to initiate project requests, formulated in a manner that states the merits of each project as well as that projects' relative importance in the department's overall program.

Accounting & Control Division: Provide revenue forecast assistance and review and evaluate project financing when requested.

City Planning Division: The City Planning Division has the following responsibilities in the capital programming process:

1. Review and evaluate all requests concerning the Capital Improvements Element of the GMP, and submit to the Municipal Planning Board (MPB) and City Council any amendment to the CIE that impacts the CIP.
2. Assist with and provide information to the Management and Budget Division in the review and evaluation of submitted projects.
3. Make a recommendation to the MPB regarding the consistency of the CIP with the GMP.

Management and Budget Division: The Management and Budget Division has the following responsibilities in the capital programming process:

1. Prepare the CIP calendar.
2. Provide information concerning the City's financial resources.
3. Prepare and distribute the package used by departments and agencies for submitting requests.
4. Provide assistance to departments and agencies in the preparation of requests.
5. Receive, review and coordinate all requests.
6. Provide staff assistance to the City Planning Division.
7. Provide assistance in preparing the adopted program. Publish and distribute the adopted program.

Mayor's Executive Staff: The final review of the proposed Capital Improvement Program before submission to the City Council is made by the Mayor's Executive Staff consisting of the Chief Administrative Officer,

Chief of Staff and the City Attorney. (The Chief Financial Officer is part of this staff as well, but has previously participated in Management and Budget Division review.) Primarily this includes the projects to be funded from the Capital Improvement Program and Gas Tax Funds, the most competitive funding sources.

Municipal Planning Board: Per Section 65.143 of the City Code, the board is to evaluate the recommended program for compliance with the Growth Management Plan, and, if found to be in compliance, to then recommend the program for City Council approval.

A Capital Improvement Program will be adopted by City Council with the adoption of the annual operating budget. There is no commitment to expenditures or appropriations beyond the first year. Also, expenditures or appropriations beyond the first year may not occur in the years indicated.

City Council: While the departments, boards, and committees play a very significant role in the capital improvement programming process, the ultimate authority for the program rests with City Council. They alone, as elected officials, can authorize the expenditure of public funds, in this case by adopting the first year of the capital improvement program as that fiscal year's capital budget. Therefore, the final priorities placed on community needs and the subsequent satisfaction of those needs is a matter of legislative decision and control.

Department Ranking:

Each project appearing in this five-year program carries a department priority recommendation. This ranking is assigned by the submitting department or agency and reflects the relative importance of the individual project to that particular department's total program.

Departments submit projects in order of their priority, by type of service, prefixed with the following designations:

1. Critical Deficiency—required to eliminate proven or obvious dangers to public or employee health or safety.
2. Existing Deficiency—needed to raise a service or facility to an adopted level of service.

3. Repair/Replacement—maintains adopted service level standards in developed areas and gives comparable service standards in developing areas.
4. Future Need/Planned Expansion—enables the City to provide services required for scheduled development.

Project Numbering

The Capital Improvement Program project number is a three part, eight digit number. The first two digits indicate the year in which a project was first submitted. The remaining six digits are a composite of the three-digit Program number or Division identifier of the submitting Program, followed by three digits representing the number of projects submitted by that program for the fiscal year. For example, Facilities submits three projects for this fiscal year. The numbers assigned would be 19-FAC-001, 19-FAC-002 and 19-FAC-003.

A project retains the original number throughout its existence, with that number permanently retired when a project is completed or deleted from the program.

DESCRIPTION OF REVENUE SOURCES

In order to implement the Capital Improvement Program, funding must be identified and programmed to achieve the desired urban environment envisioned for the City of Orlando. The Capital Improvement Program can only be as effective as the resources that are behind it.

The following pages contain a brief description of funding sources. Many of these funding sources are difficult to predict due to the nature and authority of the funding source. For instance, Federal and State funding may vary from year to year, and in some cases, differ very drastically from one year to the next, making it difficult to forecast revenue. When possible, State plans, such as the Florida Department of Transportation Five Year Transportation Improvement Program are followed closely to determine future funding. Special Assessments and other funding are also hard to predict. Only those revenues the City has available for capital programming are described on the following pages. A table showing historical general governmental revenues is found on page 13. The description of existing revenue sources is as follows:

Property (Ad Valorem) Tax Revenue - CIP

Property tax revenue is based on a millage rate (one mill is equivalent to \$1 per \$1,000 of assessed value), which is applied to the total assessed property value. The City of Orlando's millage rate is 6.6500. Property tax is the single largest revenue source for the City. This revenue is used primarily to support General Fund operations.

The table on page 14 shows assessed and estimated value of taxable property over the last ten years.

A specified portion of property tax revenue may be set aside each year for capital improvements. For FY 2018/19 the City Council set aside \$20.9 million of property tax revenue for CIP funding. The Capital Improvement Program Fund is a competitive funding source since many different departments within the City compete each year for these dollars. Limited funds, compounded by the many needs from the various departments, have made this funding source even more competitive.

Real Estate Acquisition Fund - REM

In FY17/18 the City established the Real Estate Acquisition fund, and moved real estate projects from the CIP fund to this new fund. In doing so, the City was able to organize real estate projects and funds in one location. This will allow the City to identify opportunities for growth and create a strategic plan for managing the City's real estate assets. Proceeds from the sale of existing real estate and occasional transfers from the General Fund are the primary sources of the Real Estate Fund resources.

Federal Aid - FA

Federal grants, other than Community Development Block Grant funds, provide funding for specific projects. An example of federal funding would be Department of Justice (DOJ) Grants.

Six Cents Local Option Gas Tax Funds - GAS

The six cents local option gas tax will generate approximately \$25 million in revenue for Orange County in FY 2018/19. Six cents from every gallon of motor fuel sold in Orange County goes to the County and the municipalities within it. Under the current interlocal agreement the City of

Orlando's portion of the total net revenue is equal to its percentage of the total population of Orange County. The revenue received can only be used for transportation related expenditures. Proceeds must be used toward the cost of establishing, operating, and maintaining a transportation system and related facilities and the cost of acquisition, construction, reconstruction, and maintenance of roads.

Internal Loan Fund – ILF

The Internal Loan Fund was created to provide interim or longer term financing to other funds. The financing for the fund's loan activities was provided through loans from the Sunshine State Governmental Financing Commission and Capital Improvement Refunding Revenue Bonds. The loan documents, between the Internal Loan Fund and the recipient fund, set forth the project use, principal amortization and revenue sources for repayment.

Sewer Service Charges - SC

Monthly service charges are assessed for the use of services and facilities of the City's sanitary sewer system. Service charges are used to pay for operating expenses, maintenance, construction, and debt service. Sewer capacity charges are assessed to recover capital costs associated with improvements and upgrades to the system. Charges are allocated to the capital and any related debt service.

Solid Waste Service Charges - SC

Monthly service charges are collected for curbside, container and recyclable material collection for residential and commercial customers. Solid Waste service charges are reviewed annually and may be increased due to inflation and/or additional costs.

Special Assessments - SPA

The City, as part of its City Code, has adopted a "Home Rule Special Assessment Ordinance." This ordinance relates to capital improvements and services providing a special benefit to local areas within the City. The

ordinance provides for the creation of assessment areas and the imposition and collection of special assessments to fund the costs of capital improvements and services. Typical special assessments may include dirt street paving, sidewalk construction, and streetscape improvements.

State Aid - SA

State grants provide funding for specific projects. State aid funding primarily consists of revenue from the State transportation trust fund for capacity improvements. Recreation projects are also recipients of State aid.

Stormwater Utility Fee - SU

The City enacted a stormwater utility fee in 1989. This fee will generate approximately \$23.7 million in FY 2018/19, depending on development. Funds from this revenue source can only be used for the operation, maintenance and construction of the City's stormwater management system. Each year a portion of the funding may be allocated for capital improvements, while the remainder will be used for operating and maintenance expenses.

Tax Increment Financing - TIF

Tax Increment Financing represents the revenue generated from the property tax increment received on property located within Community Redevelopment Areas, as established under Chapter 163, Part III, Florida Statutes. This revenue must be spent within the respective Community Redevelopment Area on capital improvements and administrative expenses.

Transportation Impact Fees - IFT

In 1986, the City adopted a Transportation Impact Fee Ordinance, Chapter 56, which allows the City to charge a fee for new construction projects to ensure that development pays its fair share of the cost of new and/or expanded transportation facilities necessary to accommodate that growth. Chapter 56 created the City's three benefit areas: North, Southeast, and Southwest. Transportation Impact Fees must be properly earmarked so that the money collected is spent within the proper benefit area or on a specific road project. Impact fee revenue can only be used for growth and

development related road capacity improvements. A portion of each year's revenue is set aside for administrative costs.

Park Impact Fees – PFT

In 2017 the City enacted a Park Impact Fee. The fee is assessed on new single and multi-family residential development. It serves as a dedicated funding source to bring new parks and recreational facilities to the residents of Orlando; or make enhancements or additions to the green spaces in our community.

FISCAL POLICY FRAMEWORK

The following fiscal policy framework is used to guide formulation of the Capital Improvement Program each year. This framework provides guidance to balance competing priorities.

The financial policies used to formulate the CIP are as follows:

- The City shall utilize a coordinated fiscal management process that provides efficiency and flexibility in the equitable financing of needed public facilities and services and ensures the financial feasibility of the Growth Management Plan.
- The Capital Improvement Program shall be financially feasible and based to the largest extent possible on revenue sources that are under the control of the City. The Capital Improvement Program shall contain a balanced program that addresses the repair and replacement of existing public facilities, elimination of existing deficiencies, and the provision for new public facilities.
- Existing development shall be responsible for the costs associated with the repair and replacement of existing public facilities and services through the payment of ad valorem taxes, utility fees, franchise taxes, user fees, service charges and other appropriate charges.
- Existing development shall be responsible for the cost of capital improvements needed to eliminate pre-1991 existing deficiencies through property tax revenue, utility fees, local option gas tax revenue, user fees, service charges and other appropriate revenue.
- Development shall bear a proportionate share of the cost of providing new or expanded public facilities and infrastructure required to maintain adopted levels of service through impact fees, site-related developer dedications, and developer contributions.
- The City shall set aside a portion of ad valorem taxes each year for the Capital Improvement Program (CIP) Fund. The actual amount to be set aside shall be determined annually.
- Recreation and open space public facilities shall be funded primarily on a "pay as you go" basis through the Capital Improvement Program (CIP) Fund unless new dedicated revenue sources for park and recreation facilities are developed.
- Since the rehabilitation of existing parks can often increase recreation opportunities at a fraction of the cost of new development, the City shall actively rehabilitate, maintain, and upgrade existing park and recreation facilities within existing and future funding constraints.
- Transportation public facilities, as a major non-proprietary component of the Capital Improvements Element, shall have all or a portion of certain revenues targeted for capital projects on either a "pay as you go" or debt service basis.
- The City shall consider using other viable funding sources to fund transportation improvements, including the additional one-cent local option sales, and five cents local option gas tax. All countywide funding sources should be shared with the City based on a mutually agreeable formula.
- Transportation impact fee assessments to individual developments shall not exceed that development's share of the cost of anticipated roadway improvements within the transportation benefit area.

- In addition to paying transportation impact fees, new developments shall be responsible for the cost of site-related road and traffic operations improvements that are necessary for safe and adequate access to the development site.
- The City shall fund its local share of providing regional transit systems and services in a proportion equal to its share of the population to the extent that such regional costs are not funded through dedicated local tax sources or State and Federal funds. The City shall enter into an interlocal agreement with the transit provider to provide funding commensurate with receiving the adopted mass transit level of service identified in the Growth Management Plan.
- The City shall actively support the establishment of dedicated revenue sources for public transit in conjunction with the establishment of a regional multi-modal transportation agency.
- The City shall seek commitments from other local governments to fund their local share of the cost of providing regional public transit systems and services.

Debt Management

It is sometimes necessary to provide periodic capital infusions for which borrowing is the elective choice. An effective debt management program is intended to minimize the resultant taxpayer or user fee burden.

Managing the debt portfolio requires a broad focus on the requirements for tax-exempt and taxable debt, the use of fixed, variable and blended rate debt, and on the options of short, intermediate and long-term debt alternatives. As an active participant in a number of statewide, pooled debt programs, the City has demonstrated a willingness to join with other governmental units to provide common access to a variety of new short-term variable rate markets. By actively pursuing new pooling options, access will be provided to interim variable rate tools for capital projects.

Debt Management Policies:

- The City's capital program funding shall be categorized as either governmental or proprietary funds. The following table indicates the present categorization of City operating funds:

Proprietary Funds

Enterprise Funds:

- Wastewater System
- Stormwater Utility
- Solid Waste Management
- Parking System
- Orlando Venues (Amway Center)
- Orlando Stadiums Operations (Citrus Bowl & Tinker Field)

Internal Service Funds:

- Construction Management
- Fleet Management
- Risk Management
- Internal Loan
- Health Care
- Facility Fund

Governmental Funds

Special Revenue Funds:

- Community Redevelopment Agency
- Gas Tax
- Housing and Urban Development Grants
- State Housing Initiatives Partnership Program
- Transportation Impact Fee
- Park Impact Fees

Other Governmental Funds

- General Fund
- Debt Service Funds
- Capital Projects Funds
- Real Estate Fund

- The City shall establish specific maximums for general governmental revenues, other than ad valorem taxes, (i.e., sales taxes, gas taxes, utility service taxes, etc.), which can be made available for debt service from current or future revenue, if and when enacted, for purposes of capital project assignment and with further limits regarding the portion which could be designated for debt service repayment purposes.

- For self-sufficient proprietary funds, the annual debt service requirements (both principal and interest) shall be structured to maximize the interperiod equity consistent with existing State and Federal laws and investment banking norms.
- For special purpose governmental funds, policy shall be established to limit the portion of the revenue that can be utilized to support debt service in a manner to provide sufficient available recurring revenues for related operating and maintenance expenses and for the portion of the capital projects to be provided for on a "pay as you go" basis.
- Debt obligations of governmental funds, other than special purpose, and subsidized proprietary funds (to the extent of the subsidy required) shall be considered an obligation of the City's general governmental revenue sources.
- Pledgeable revenue sources for debt obligation shall be considered a scarce consumable resource and will be managed selectively to meet the present and future needs of the City.
- The City shall strive to employ revenue on a beneficiary association (user benefit) basis, whenever possible, within the City's limited legal capacity and flexibility.
- Whenever the City utilizes a pledgeable revenue source as a secondary revenue enhancement for capital projects, the City shall provide (a) for actual use of these revenues to be considered a loan subject to future repayment with interest, and (b) wherever possible, the release of the pledgeable revenue source for subsequent redeployment when the primary revenue is able to demonstrate market sufficient coverage factors.
- The City shall employ an active debt management strategy to minimize the impact on tax or ratepayers related to outstanding debt obligations.
- The City shall integrate short, intermediate and long-term debt to minimize aggregate debt service costs.
- The City shall develop policies and strategies regarding the maximum deployment of short or intermediate term debt in conjunction with the utilization of hedging tools (i.e., swaps, caps, etc.) to minimize the potential for future interest rate volatility.
- The City shall not rely on the use of general obligation (property tax) bonds. The City shall rely on various revenue bond alternatives where borrowing is considered appropriate.
- The City shall limit non-self-sufficient debt service to be no greater than 20 percent of non-ad-valorem general government revenues, subsidized proprietary or other government funds.
- The City shall develop an internal banking system that allows for the interim or long-term financing of capital projects in a manner designed to facilitate the timing and efficiency for access and entry into various capital markets. The City's internal banking fund shall be designed as a conduit, and shall establish a billing structure which, while recovering actual (initial and ongoing) costs incurred, passes a savings along to the individual funds (and thus to the specific revenue or enterprise operation).
- The City shall establish and/or participate in fixed, variable or blended rate pool programs that allow for the reduction in the effective initiation and on-going costs and access to markets that might not otherwise be available to either the City or other pooling participants separately.
- Bond issues will be carefully sized with a realistic assessment of the actual need for funds and will be timed for the most opportune entry into financial markets. Page 12 shows the City's debt service requirements.

**CITY OF ORLANDO, FLORIDA
SUMMARY OF DEBT SERVICE REQUIREMENTS TO MATURITY
ALL SERIES
2018-2047**

**CITY OF ORLANDO, FLORIDA
SUMMARY OF DEBT SERVICE REQUIREMENTS TO MATURITY
ALL SERIES
2018-2047**

Fiscal Year	Primary Government				Primary Government		Total Principal & Interest Primary Government (1)
	Governmental Activities				Business-type Activities		
	Community Redevelopment Agency Bonds	Conroy Road Tax Increment Revenue Ref. Bonds	Republic Drive Tax Increment Revenue Ref. Bonds	Capital Improvement Revenue Bonds	Wastewater Revenue Bonds	Orlando Venues Bonds	
2018	13,162,354	1,934,250	3,870,992	23,396,394	2,871,750	15,090,137	60,325,877
2019	13,158,567	1,932,000	3,871,192	22,936,708	2,861,700	23,450,769	68,210,936
2020	13,160,919	1,936,750	3,872,192	22,803,708	2,861,325	25,276,350	69,911,244
2021	13,125,898	1,938,000	3,872,741	22,609,583	2,865,300	25,141,125	69,552,647
2022	13,092,526	1,940,750	3,873,491	24,079,507	2,855,775	25,137,150	70,979,199
2023	13,055,884	1,939,750	3,873,241	25,654,273	2,854,400	25,099,150	72,476,698
2024	13,018,057	1,945,000	3,871,743	24,801,573	2,848,775	25,141,386	71,626,534
2025	12,913,819	1,946,000	3,873,742	18,076,444	2,877,900	25,087,136	64,775,041
2026	12,807,247	1,947,750	-	18,543,673	2,848,650	25,030,645	61,177,965
2027	12,686,559	-	-	14,433,926	2,846,650	24,972,520	54,939,655
2028	12,563,162	-	-	12,501,741	2,844,525	24,924,569	52,833,997
2029	12,435,921	-	-	12,372,826	2,842,025	24,858,545	52,509,317
2030	12,293,710	-	-	10,557,111	2,838,900	24,788,574	50,478,295
2031	12,151,387	-	-	10,504,672	2,853,950	24,724,825	50,234,834
2032	11,994,474	-	-	10,487,557	2,833,750	24,644,260	49,960,041
2033	11,826,662	-	-	7,975,667	2,829,000	24,575,840	47,207,169
2034	11,646,753	-	-	7,987,567	-	24,496,410	44,130,730
2035	11,458,563	-	-	7,980,642	-	24,409,517	43,848,722
2036	11,260,472	-	-	7,963,692	-	24,322,983	43,547,147
2037	11,055,908	-	-	7,972,826	-	24,234,575	43,263,309
2038	10,837,876	-	-	5,976,655	-	23,146,713	39,961,244
2039	10,605,668	-	-	2,974,250	-	47,050,387	60,630,305
2040	10,368,821	-	-	2,964,500	-	3,406,795	16,740,116
2041	-	-	-	2,964,875	-	-	2,964,875
2042	-	-	-	2,960,000	-	-	2,960,000
2043	-	-	-	2,964,500	-	-	2,964,500
2044	-	-	-	2,958,125	-	-	2,958,125
2045	-	-	-	2,950,875	-	-	2,950,875
2046	-	-	-	2,952,250	-	-	2,952,250
2047	-	-	-	2,946,875	-	-	2,946,875
	<u>\$ 280,681,207</u>	<u>\$ 17,460,250</u>	<u>\$ 30,979,334</u>	<u>\$ 346,252,995</u>	<u>\$ 45,634,375</u>	<u>\$ 559,010,361</u>	<u>\$ 1,280,018,522</u>

Notes:

(1) This schedule represents only bonded indebtedness; therefore, the Sunshine State Governmental Financing Commission (SSGFC) loans, the State Infrastructure Bank (SIB) loan, and the Water Reclamation State Revolving Fund loans are not included in this schedule. For information regarding the SSGFC loans, the SIB Loan, and the State Revolving Fund loans, see pages 76 through 79.

**CITY OF ORLANDO, FLORIDA
GOVERNMENTAL FUND REVENUES
LAST EIGHT FISCAL YEARS
(modified accrual basis of accounting)
(in thousands of dollars)**

	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>
Revenues								
Property Taxes	159,237	145,100	\$ 128,497	\$ 102,111	\$ 98,782	\$ 99,143	\$ 102,301	\$ 122,169
Local Option Fuel Tax	9,257	8,901	8,471	8,218	-	-	-	-
Communication Services	13,498	13,709	14,221	14,559	-	-	-	-
Local Business	9,948	9,742	8,434	8,101	-	-	-	-
Utilities Services Tax	31,298	31,525	30,341	30,114	28,744	42,434	44,574	46,840
Intergovernmental:								
Orlando Utilities Commission Contribution	59,061	55,719	53,211	48,622	47,000	47,161	47,976	45,596
State Sales Tax	41,787	39,429	37,903	35,612	33,415	30,998	29,801	27,655
Other Intergovernmental	82,707	77,331	67,267	77,724	97,011	82,470	95,550	102,612
Franchises fees	31,532	31,852	31,077	30,032	57,130	42,634	42,362	42,632
Licenses, Permits and Fees	29,985	29,801	26,122	23,312	52,197	38,712	32,421	23,246
Charges for Services	74,930	74,884	68,471	60,470				
Fines and forfeitures	4,748	3,829	3,274	3,081	3,600	3,359	3,461	3,858
Investment earnings	6,029	14,448	3,933	8,389	(3,268)	19,553	11,270	24,267
Special Assessments	753	5,366	1,526	3,398	1,881	1,861	1,292	1,394
Other revenue	12,889	14,569	10,910	7,242	32,792	36,484	37,668	29,276
Total revenue	<u>\$ 567,658</u>	<u>\$ 556,205</u>	<u>\$ 493,658</u>	<u>\$ 460,985</u>	<u>\$ 449,284</u>	<u>\$ 444,809</u>	<u>\$ 448,676</u>	<u>\$ 469,545</u>

Notes: As part of the implementation of a new computer system in FY 2014, the City modified its chart of accounts to more closely align with the recommendations from the State of Florida

**CITY OF ORLANDO, FLORIDA
 ASSESSED VALUE AND ESTIMATED ACTUAL VALUE OF TAXABLE PROPERTY
 LAST TEN FISCAL YEARS**

Fiscal Year Ended Sept. 30,	Real Property	Personal Property	Centrally Assessed Property	Less: Tax Exempt Property	Total Taxable Assessed Value	Total Direct Tax Rate	Estimated Actual Taxable Value	Assessed Value as a Percentage of Actual Value⁽¹⁾
2010	28,597,253,609	4,386,281,455	3,642,541	10,776,709,502	22,210,468,103	5.6500	41,622,527,507	79.253
2011	24,461,788,554	4,237,364,431	2,680,548	9,992,734,864	18,709,098,669	5.6500	36,485,554,283	78.666
2012	23,905,294,724	4,359,002,821	3,973,236	10,067,071,228	18,201,199,553	5.6500	36,053,309,056	78.407
2013	24,297,138,448	4,506,800,257	3,852,456	10,611,947,227	18,195,843,934	5.6500	36,782,903,504	78.318
2014	24,154,374,015	4,586,231,797	4,629,753	9,924,686,112	18,820,549,453	5.6500	36,760,143,626	78.197
2015	25,651,931,308	4,645,979,060	4,735,156	10,225,715,639	20,076,929,885	6.6500	38,630,712,526	78.442
2016	28,491,608,827	4,963,496,780	4,154,251	10,568,108,041	22,891,151,817	6.6500	42,548,233,647	78.638
2017	31,897,749,099	4,769,282,530	1,668,400	11,713,926,589	24,954,773,440	6.6500	46,199,854,828	79.370
2018	35,289,831,510	5,062,289,127	4,399,743	12,410,304,034	27,946,216,346	6.6500	50,726,010,627	79.558
2019	39,011,369,442	5,403,248,608	4,718,546	13,370,572,678	31,048,763,918	6.6500	55,724,535,679	79.712

(1) Includes tax exempt property.

Source: Orange County Property Appraiser (Recapitulation of the Ad Valorem Assessment Rolls, DR-403)

Note: (1) Assessed values are determined as of January 1 for each fiscal year.

(2) Real Property is assessed at 85% of estimated market value and Personal Property assessments at 55%. Estimated actual taxable value is calculated by dividing assessed value by those percentages.

(3) Centrally assessed property consists of the railroad lines which are assessed by the State of Florida.

(4) Tax rates are per \$1,000 of assessed value.



THIS PAGE LEFT INTENTIONALLY BLANK

City of Orlando
 2018/2019 Capital Improvement Program
 by Funding Source
 Adopted Capital Budget

	<u>2018/19</u>	<u>Function</u>	<u>CIE</u>
Amway Center Repair and Replacement Fund			
Amway Center Repair and Replacement	\$ 1,000,000	REC	N
Amway Center Repair and Replacement Fund Total	\$ 1,000,000		
Capital Improvement (General Fund)			
Affordable Housing Initiative	\$ 1,000,000	INF	N
Athletic Field Maintenance	591,000	REC	N
City Hall 9th Floor Training & Conference Rooms	300,000	PUB	N
Decorative Lighting	250,000	TRA	N
Digital City Hall, Phase II	175,000	GEN	N
DPAC R&R Contribution	1,738,911	REC	N
Energy Management HVAC Upgrades	435,000	PUB	N
Energy Management Lighting Upgrades	970,000	PUB	N
Facility Evaluation, Repairs, and Rehabilitation	1,750,000	PSF	N
Fire Equipment Replacement	1,200,000	PSF	N
Information Technology Security Measures	400,000	GEN	N
Replacement Radios for Special Events	280,000	PSF	N
Parking Enhancement at Leu Gardens	500,000	REC	N
Mennello Museum Lighting Replacement and Upgrade	200,000	REC	N
Information Technology Enhancements	1,200,000	GEN	N
Miscellaneous Sidewalk Repair	1,150,000	TRA	Y
Police Equipment Replacement	1,300,000	PSF	N
OPD Mutual Aid 8TAC94 Infrastructure Replacement	187,500	PSF	N
North Employee Parking Lot	250,000	PSF	N
Uniform Patrol Rifles	1,400,000	PSF	N
Parks and Playground Renovation Project	1,220,000	REC	Y
Pavement Rehabilitation	1,250,000	TRA	N
Recreation Facility Renovation & Maintenance	1,095,000	REC	N
Recreation Pools & Courts	240,000	REC	N
School Safety Sidewalk Program	600,000	TRA	Y
Smart Cities	400,000	TRA	N
Solar Canopy Fleet Structure	1,208,125	PUB	N
Southeast Projects	1,000,000	ECD	Y
Wellness Center Renovations	975,000	PUB	N
General Fund Contribution Fund Total	\$ 23,265,536		

City of Orlando
 2018/2019 Capital Improvement Program
 by Funding Source
 Adopted Capital Budget

Gas Tax

ADA Transition Plan	\$	250,000	STR	Y
Bicycle Plan Implementation		150,000	TRA	Y
Brick Street Restoration		100,000	TRA	N
Curb Ramp Construction and Curb Repair		150,000	TRA	Y
Intersection Safety Improvements		350,000	TRA	Y
LYNX Annual Contribution		4,008,555	TRA	Y
Miscellaneous Sidewalk Repair		200,000	TRA	Y
New Traffic Signal Locations		100,000	TRA	Y
Pavement Marking Maintenance		350,000	TRA	N
Pavement Rehabilitation		2,000,000	TRA	N
Regional Computerized Signal System		100,000	TRA	Y
School Safety Sidewalk Program		100,000	TRA	Y
SunRail Corridor Quiet Zone		400,000	TRA	N
Traffic Counts and Travel Time Studies		100,000	TRA	N
Traffic Signal Refurbishing Program		200,000	TRA	Y
Virginia Drive Improvements		250,000	TRA	Y
Gas Tax Total	\$	8,808,555		

Transportation Impact Fees

Colonial Overpass	\$	100,000	TRA	Y
Grand National - Oakridge to Sand Lake		500,000	TRA	Y
Lincoln SunRail Station Reimbursement		500,000	TRA	Y
Millenia & Oak Ridge Dual Left SB		150,000	TRA	Y
Terry Avenue - South Extension		332,000	TRA	Y
Narcoossee Widening: SR 528 - SR 417		3,500,000	TRA	Y
New Traffic Signal Locations		150,000	TRA	N
Orange/Michigan Turn Lane		100,000	TRA	Y
Radebaugh Way Road Widening		200,000	TRA	Y
Shingle Creek Trail		500,000	TRA	Y
Transportation Impact Fees Total	\$	6,032,000		

Water Reclamation Renewal and Replacement Fund

Lift Station Underground Rehabilitation	\$	1,500,000	WAS	N
Lift Station Site Improvements		500,000	WAS	Y
Water Reclamation Renewal and Replacement Fund Total	\$	2,000,000		

City of Orlando
 2018/2019 Capital Improvement Program
 by Funding Source
 Adopted Capital Budget

Wastewater Projects

Conserv I Treatment Plant Improvements	1,500,000	WAS	Y
Conserv I Expansion Joint Repair & Replace	100,000	WAS	Y
Conserv II Area Collection System Improvements	1,000,000	WAS	N
Water Conserv II Equalization Pumping Station Rehab	4,500,000	WAS	N
Conserv II Plant Water System Evaluation	500,000	WAS	Y
Iron Bridge Area Collection System Improvements	1,500,000	WAS	N
Iron Bridge Diffused Air	1,800,000	WAS	N
Iron Bridge Biosolids Disposal Improvements	500,000	WAS	N
Iron Bridge Grit System Replacement	1,000,000	WAS	N
Iron Bridge Storm Water A Improvements	400,000	WAS	N
Iron Bridge Ventilation for Biosolids Press Room	900,000	WAS	N
Lift Station Rehabilitation	3,000,000	WAS	Y
Lift Stations Electrical Safety Improvements	1,000,000	WAS	N
LS1,2,3 and 4 Force Main Evaluation	1,500,000	WAS	N
Line Sewers	2,000,000	WAS	N
Rapid Response Construction	1,000,000	WAS	N
Rehab Old Lab Facility to an Education Center	150,000	WAS	N
Sanitary Service Lateral Rehabilitation	500,000	WAS	N
Sanitary Upgrades with Other Projects	1,000,000	WAS	N
Sewage ARV Replacement	1,500,000	WAS	N
Wastewater Projects Total	\$ 25,350,000		

Stormwater Utility Fee

Drainwell Enhancements	200,000	STR	Y
Lake Notasulga/Haralson Estates	250,000	STR	Y
Rapid Response Construction	1,000,000	STR	N
Stormwater System Construction	500,000	STR	Y
System Repair and Rehabilitation	500,000	STR	Y
Stormwater Utility Fee Total	\$ 2,450,000		

Parking Projects

Administration Center Garage Repair/Maintenance	150,000	TRA	N
Central Blvd Garage Repairs and Maintenance	125,000	TRA	N
Courthouse Garage Repairs and Maintenance	125,000	TRA	N
GEICO Garage Repairs and Maintenance	120,000	TRA	N
Jefferson Garage Capital Repairs	175,000	TRA	N
Library Garage Repair and Maintenance	135,000	TRA	N
Parking Projects Fee Total	\$ 830,000		

Solid Waste Fund

Commercial Collection Vehicles	\$ 1,328,155	SOL	Y
Solid Waste Fee Total	\$ 1,328,155		

City of Orlando
 2018/2019 Capital Improvement Program
 by Funding Source
 Adopted Capital Budget

Community Redevelopment & Downtown Development Board			
Downtown Capital Maintenance	550,000	ECD	N
Downtown Lighting	150,000	ECD	N
DTO Implementation	2,000,000	ECD	N
Parramore Housing Initiative	2,800,000	ECD	N
Streetscape Improvements	275,000	ECD	N
Under I Design	750,000	ECD	N
Welcome Center Upgrades	325,000	ECD	N
Community Redevelopment & Downtown Development Board Total	\$ 6,850,000		
Dubsdread Golf Course Renewal & Replacement			
Dubsdread Equipment	150,000	REC	N
Dubsdread Golf Course Renewal & Replacement Total	\$ 150,000		
Downtown South Neighborhood Improvement District			
DSNID Projects	\$ 440,000	GEN	N
Downtown South Neighborhood Improvement District Total	\$ 440,000		
Real Estate Acquisition Fund			
Land Acquisitions	\$ 1,063,386	GEN	N
Real Estate Acquisition Fund Total	\$ 1,063,386		
CIP Total	\$ 79,567,632		



THIS PAGE LEFT INTENTIONALLY BLANK

PROGRAM SUMMARY FOR THE 2019-2023 CAPITAL IMPROVEMENT PROGRAM

2019/2023 CAPITAL BUDGET

Capital Budget by Funding Source

The first year of the five-year CIP is referred to as the Capital Budget. The FY 2018/19 Capital Budget includes 100 projects totaling \$79.6 million. The following chart displays the Capital Budget by funding source.

Capital Improvement Fund

The Capital Improvement (CIP) fund is considered a competitive funding source. A total of 29 projects amounting to \$23.3 million is recommended for CIP funding in FY 2018/2019.

Local Option Gas Tax Fund

Transportation projects will receive \$8.8 million in funding generated by the Six-Cent Local Option Gas Tax as well as Fund Balance during FY 2018/2019. Gas Tax revenue is spent across 16 projects for repair, replacement and expansion of the existing road system, public transportation and debt service.

Service Charges

Service Charges (SC), both external and internal, are used for Water Reclamation, Solid Waste, Parking and vehicle and equipment replacement projects. SC funding for FY 2018/2019 totals \$30.5 million and funds 31 projects.

Stormwater Utility Fees

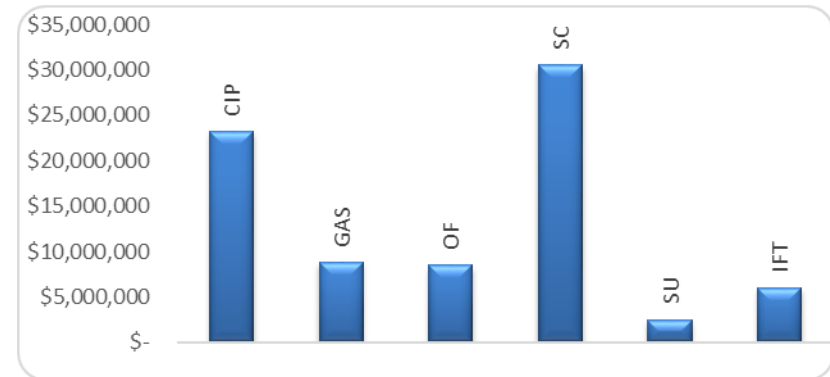
The Stormwater Utility Fee (SU) should generate \$23.7 million in FY 2018/2019. A portion is reserved for capital improvements, with the balance allocated toward operating and maintenance expenses. Stormwater improvements during FY 2018/2019 will include 5 projects at a cost of \$2.4 million.

Transportation Impact Fees

The City collects Transportation Impact Fees (IFT) from new development to ensure that the new development pays its fair share of the cost of new and/or expanded transportation facilities needed to accommodate the development. The City has three benefit areas and impact fees are earmarked so that money collected in a benefit area is spent in that area. A portion of this revenue is set aside for administrative costs and the remainder is allocated for transportation capital projects. Transportation impact fees will fund 10 projects and debt service totaling \$6 million in FY 2018/2019.

Other Funds

For FY2018/2019 other funds include economic development projects funded through the use of Community Redevelopment Agency, Downtown Development Board Funds, Downtown South Neighborhood Improvement District, Dubsread Golf Course and the new created Real Estate Acquisition Fund. These sources will fund 10 projects totaling \$8.5 million.



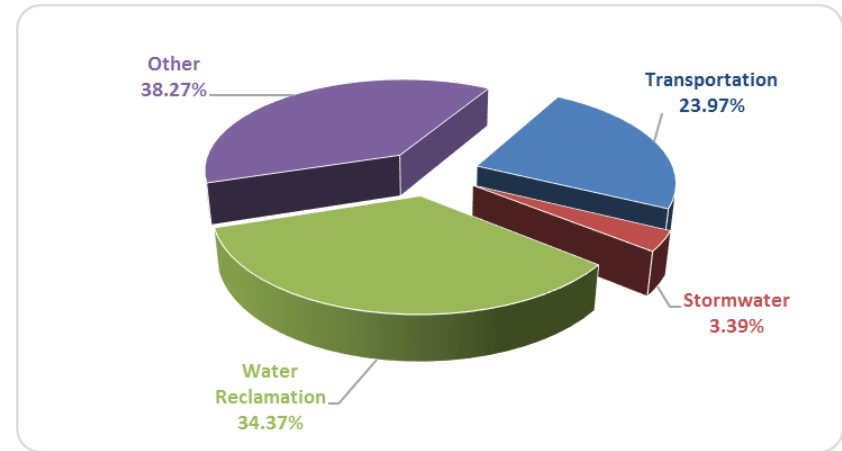
Key:

CIP	Capital Improvement Fund	SC	Service Charges
GAS	Gas Tax Fund	SU	Stormwater Utility Fund
OF	Other Funds	IFT	Transportation Impact Fees

PROGRAM SUMMARY FOR THE 2019-2023 CAPITAL IMPROVEMENT PROGRAM

Capital Budget by Type of Service

The following chart illustrates the FY 2018/2019 Capital Budget by type of service. Water Reclamation projects capture 34.4% of funding, Transportation projects account for 24.0% and Stormwater 3.4% of the total expenditures, for a combined total of 61.8%. Recreation and Culture, General Government, Public Safety, Facilities Management and Economic Development account for the remaining 38.2%. Stormwater, Solid Waste and Water Reclamation capital projects have dedicated, relatively stable funding mechanisms (user fees) in place to cover capital costs. Recreation and Culture, General Government, Public Safety, and Facilities Management rely heavily on CIP funding. Transportation projects have dedicated sources in Gas Tax and Transportation Impact Fees, but also rely on a variety of other funding sources.



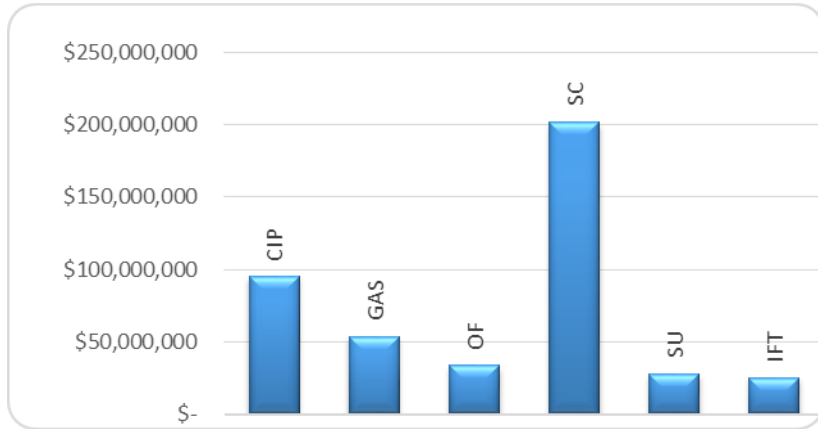
Type of Service Breakdown 2018/2019

Water Reclamation	\$	27,350,000
Transportation		19,070,555
Stormwater		2,700,000
Solid Waste		1,328,155
Recreation & Culture		6,734,911
Economic Development		7,850,000
Community Infrastructure		1,440,000
Facilities Management		5,638,125
General Government		2,838,386
Public Safety		4,617,500
TOTAL	\$	79,567,632

PROGRAM SUMMARY FOR THE 2019-2023 CAPITAL IMPROVEMENT PROGRAM

Five Year CIP by Funding Source

The following chart depicts the five year CIP by funding source, which shows that Service Charges will account for a large portion of capital spending during the five-year program contributing \$202 million. In addition, Stormwater Utility will contribute \$27.9 million and Gas Tax \$53.6 million.



Key:

CIP	Capital Improvement Fund	SC	Service Charges
GAS	Gas Tax Fund	SU	Stormwater Utility Fund
OF	Other Funds	IFT	Transportation Impact Fees

The Capital Improvement Fund is indicated to provide \$95.4 million over the five-year program. As stated earlier in this document, the Capital Improvement Program is not a commitment to expenditures or appropriations beyond the first year, except for those capital improvements programmed in the Capital Improvements Element (CIE). The majority of the projects shown under the Capital Improvement Fund are not CIE projects. The actual amount funded each year from this source will be determined during each annual budget process.

Transportation Impact Fee revenue will supply \$25.1 million for transportation improvements over the five-year budget period.

Funding from all Other Funds over the five year period are currently projected to be \$33.7 million.

PROGRAM SUMMARY FOR THE 2019-2023 CAPITAL IMPROVEMENT PROGRAM

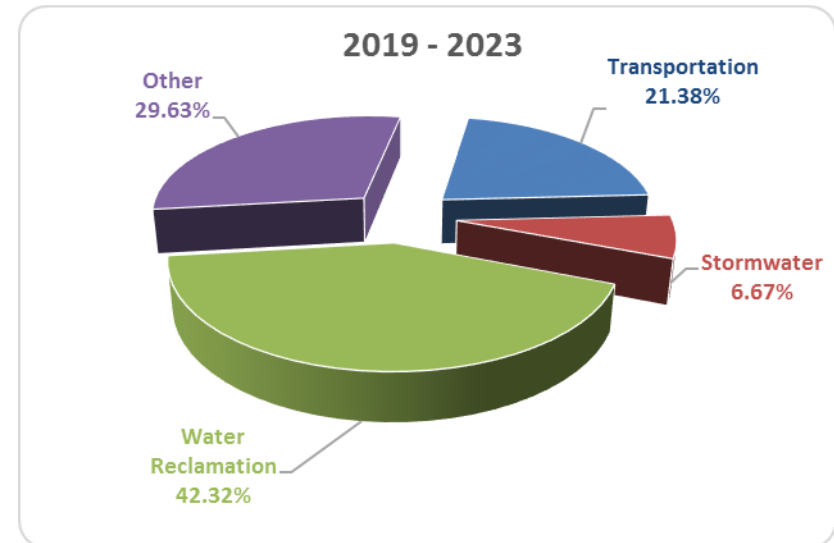
Five Year CIP by Type of Service

The following chart shows the relative level of funding in 2019-2023 Capital Improvement Program by type of service.

Demand for Water Reclamation and City services work outpaces demands for Transportation. However, demand for these improvements must be tempered by the desire and ability to fund those improvements. Population, economic growth and tourism place pressure on both existing infrastructure and the City's ability to keep pace with new growth.

Transportation projects are balanced against anticipated revenues. However, due to limited revenues, maintenance, operations, safety and capacity improvements may not be totally funded. As a result, a number of projects may be deferred and the City's ability to adhere to service levels may be hindered. Growth Management Plan amendments may be necessary to lower adopted level of service standards. Continuing roadway analyses will be performed to evaluate these conditions. Lobbying will continue on new/additional revenue sources. Additionally, the City has adopted two transportation initiatives which will create opportunities for grant funding.

The Water Reclamation, Solid Waste and Stormwater programs have dedicated funding sources. The recommended programs for these services are financially feasible. The Recreation and Culture, General Government, Economic Development, Facility Management and Public Safety projects rely largely on competitive funding, primarily through the CIP Fund. The last five types of services boost the needed funding level for the CIP fund.



2019-2023 Program Summary

The program summary shown on the following page represents a \$437.8 million public and private capital investment in the City of Orlando. The program summary reflects funding for FY 2019-2023 by function and by funding source.

2019-2023 Fund Schedule

The 2019-2023 Capital Improvement Fund Schedule shows all capital improvements broken down by funding source. Nine categories of funding sources are identified in this program. Funding source descriptions and projections are given on pages 26-29 of this section. This schedule gives the project name and breakdown of project funding over the five-year program.

PROGRAM SUMMARY FOR THE 2019-2023 CAPITAL IMPROVEMENT PROGRAM

CITY OF ORLANDO

2019 - 2023 CAPITAL IMPROVEMENT PROGRAM

PROGRAM SUMMARY BY FUNCTION

<u>Function</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>2020/2021</u>	<u>2021/2022</u>	<u>2022/2023</u>	<u>Total</u>
Economic Development	\$ 7,850,000	\$ 6,025,000	\$ 5,750,000	\$ 4,950,000	\$ 4,950,000	29,525,000
Community Infrastructure	1,440,000	1,850,000	2,100,000	1,450,000	1,450,000	8,290,000
General Government	2,838,386	9,760,904	1,609,501	1,000,000	1,000,000	16,208,791
Public Safety	4,617,500	7,937,500	2,750,000	2,750,000	2,600,000	20,655,000
Facilities MGMT	5,638,125	1,000,000	1,000,000	1,000,000	1,000,000	9,638,125
Recreation and Culture	6,734,911	11,391,078	6,974,811	6,650,155	6,387,160	38,138,115
Solid Waste	1,328,155	1,450,383	707,000	352,000	3,433,830	7,271,368
Stormwater	2,700,000	8,500,000	8,590,000	7,150,000	2,250,000	29,190,000
Transportation	19,070,555	21,342,619	27,708,059	12,722,260	12,771,105	93,614,598
Wastewater	27,350,000	56,200,000	41,500,000	32,200,000	28,000,000	185,250,000
Total	<u>\$ 79,567,632</u>	<u>\$ 125,457,484</u>	<u>\$ 98,689,371</u>	<u>\$ 70,224,415</u>	<u>\$ 63,842,095</u>	<u>\$ 437,780,997</u>

PROGRAM SUMMARY BY FUNDING SOURCE

<u>Funding Source</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>2020/2021</u>	<u>2021/2022</u>	<u>2022/2023</u>	<u>Total</u>
Capital Improvement Fund	\$ 23,265,536	\$ 32,230,632	\$ 14,034,312	\$ 13,150,155	\$ 12,737,160	\$ 95,417,795
Gas Tax	8,808,555	8,999,469	15,961,059	9,662,260	10,146,105	53,577,448
Other Funds	8,503,386	7,075,000	7,050,000	5,550,000	5,550,000	33,728,386
Service Charges	30,508,155	59,620,383	44,522,000	34,362,000	32,958,830	201,971,368
Stormwater Utility	2,450,000	8,250,000	8,340,000	6,900,000	2,000,000	27,940,000
Transportation Impact Fee	6,032,000	9,282,000	8,782,000	600,000	450,000	25,146,000
Total	<u>\$ 79,567,632</u>	<u>\$ 125,457,484</u>	<u>\$ 98,689,371</u>	<u>\$ 70,224,415</u>	<u>\$ 63,842,095</u>	<u>\$ 437,780,997</u>

PROGRAM SUMMARY FOR THE 2019-2023 CAPITAL IMPROVEMENT PROGRAM

City of Orlando 2019-2023 Capital Improvement Program by Funding Source

		2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	FIVE YEAR	CIE
Capital Improvement Fund								
Affordable Housing	INF	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 5,000,000	N
Athletic Field Maintenance	REC	591,000	330,000	330,000	330,000	330,000	1,911,000	N
Bob Carr	REC	-	3,500,000	-	-	-	3,500,000	N
City Hall 9th Floor Renovations	PUB	300,000	-	-	-	-	300,000	N
Decorative Lighting	TRA	250,000	-	-	-	-	250,000	N
Dedicated Special Event Equipment	PSF	-	100,000	-	-	-	100,000	N
Digital City Hall Phase II	GEN	175,000	181,904	-	-	-	356,904	N
DPAC R&R Contribution	REC	1,738,911	1,791,078	1,844,811	1,900,155	1,957,160	9,232,115	N
Energy Management HVAC Upgrades	PUB	435,000	-	-	-	-	435,000	N
Energy Management Lighting Upgrades	PUB	970,000	-	-	-	-	970,000	N
Enterprise Document Management	GEN	-	7,000,000	-	-	-	7,000,000	N
Facility Evaluation, Repairs, and Rehabilitation	PUB	1,750,000	1,000,000	1,000,000	1,000,000	1,000,000	5,750,000	N
Fire Equipment Replacement	PSF	1,200,000	1,200,000	1,300,000	1,300,000	1,300,000	6,300,000	N
Fire Training and Admin Facility - Phase II	PSF	-	5,000,000	-	-	-	5,000,000	N
Information Technology Enhancements	GEN	1,200,000	550,000	559,501	-	-	2,309,501	N
Information Technology Security Measures	GEN	400,000	-	-	-	-	400,000	N
IRIS Cameras	PSF	-	150,000	150,000	150,000	-	450,000	N
Low of No Emission Vehicle Program - Grant Match	TRA	-	441,150	-	-	-	441,150	Y
Magic Grill Concept Conversion & Renovation	REC	-	500,000	-	-	-	500,000	N
Mennello Museum Lighting Replacement and Upgrade	REC	200,000	-	-	-	-	200,000	N
Miscellaneous Sidewalk Repair	TRA	1,150,000	300,000	300,000	300,000	300,000	2,350,000	Y
North Employee Parking Lot	PSF	250,000	-	-	-	-	250,000	N
OPD Mutual Aid 8TAC94 Infrastructure Replacement	PSF	187,500	187,500	-	-	-	375,000	N
Parking Enhancement at Leu Gardens	REC	500,000	-	-	-	-	500,000	N
Parks and Playground Renovation Project	REC	1,220,000	750,000	1,330,000	1,550,000	1,630,000	6,480,000	Y
Pavement Rehabilitation	TRA	1,250,000	1,000,000	1,000,000	1,000,000	1,000,000	5,250,000	N
Phone System Upgrade	GEN	-	429,000	50,000	-	-	479,000	N
Police Equipment Replacement	PSF	1,300,000	1,300,000	1,300,000	1,300,000	1,300,000	6,500,000	N
Recreation Facility Renovations and Maintenance	REC	1,095,000	830,000	830,000	830,000	830,000	4,415,000	N
Recreation Pools & Courts	REC	240,000	240,000	240,000	240,000	240,000	1,200,000	N
Replacement Radios for Special Events	PSF	280,000	-	-	-	-	280,000	N
School Safety Sidewalk Program	TRA	600,000	600,000	600,000	600,000	600,000	3,000,000	Y
Sign and Signal Shop Facility Improvements	GEN	-	600,000	-	-	-	600,000	N
Signature Park Renovations	REC	-	1,150,000	1,200,000	650,000	250,000	3,250,000	N
Smart Cities Capital Project	TRA	400,000	-	-	-	-	400,000	N
Solar Canopy Fleet Structure	PUB	1,208,125	-	-	-	-	1,208,125	N
Southeast Projects	ECD	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000	Y

PROGRAM SUMMARY FOR THE 2019-2023 CAPITAL IMPROVEMENT PROGRAM

City of Orlando 2019-2023 Capital Improvement Program by Funding Source

		2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	FIVE YEAR	CIE
Terrace Level Quad C Buildout in Amway Center	REC	-	1,000,000	-	-	-	1,000,000	N
Tree Removal at Leu Gardens	REC	-	100,000	-	-	-	100,000	N
Uniform Patrol Rifles	PSF	1,400,000	-	-	-	-	1,400,000	N
Wellness Center Renovations	PUB	975,000	-	-	-	-	975,000	N
Capital Improvement Fund Total		\$ 23,265,536	\$ 32,230,632	\$ 14,034,312	\$ 13,150,155	\$ 12,737,160	\$ 95,417,795	
Gas Tax Fund								
ADA Transition Plan	STR	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,250,000	N
Bicycle Plan Implementation	TRA	150,000	150,000	150,000	150,000	150,000	750,000	Y
Brick Street Restoration	TRA	100,000	100,000	100,000	100,000	100,000	500,000	N
Curb Ramp Construction and Curb Repair	TRA	150,000	200,000	200,000	200,000	200,000	950,000	Y
Intersection Safety Improvements	TRA	350,000	350,000	350,000	350,000	350,000	1,750,000	N
LYNX Annual Contribution	TRA	4,008,555	4,029,469	4,110,059	4,192,260	4,276,105	20,616,448	Y
Miscellaneous Sidewalk Repair	TRA	200,000	200,000	200,000	200,000	200,000	1,000,000	N
New Traffic Signal Locations	TRA	100,000	370,000	370,000	370,000	370,000	1,580,000	Y
Pavement Marking Maintenance	TRA	350,000	350,000	350,000	350,000	350,000	1,750,000	N
Pavement Rehabilitation	TRA	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000	N
Railroad Grade Crossing Rehabilitation	TRA	-	100,000	-	100,000	-	200,000	N
Regional Computerized Signal System	TRA	100,000	100,000	100,000	100,000	100,000	500,000	N
Robinson Street "Complete Streets"	TRA	-	-	6,481,000	-	-	6,481,000	Y
School Safety Sidewalk Program	TRA	100,000	100,000	100,000	100,000	100,000	500,000	Y
SunRail Corridor Quiet Zone	TRA	400,000	400,000	400,000	400,000	400,000	2,000,000	N
Traffic Counts and Travel Time Studies	TRA	100,000	100,000	100,000	100,000	100,000	500,000	N
Traffic Signal Refurbishing Program	TRA	200,000	200,000	200,000	200,000	200,000	1,000,000	N
Virginia Drive Improvements	TRA	250,000	-	500,000	500,000	1,000,000	2,250,000	Y
Gas Tax Total		\$ 8,808,555	\$ 8,999,469	\$ 15,961,059	\$ 9,662,260	\$ 10,146,105	\$ 53,577,448	
Other Funds								
Downtown Capital Maintenance	ECD	\$ 550,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 1,150,000	N
Downtown Lighting	ECD	150,000	500,000	250,000	250,000	250,000	1,400,000	N
DSNID Projects	INF	440,000	850,000	1,100,000	450,000	450,000	3,290,000	N
DTO Implementation	ECD	2,000,000	2,000,000	2,000,000	1,500,000	1,500,000	9,000,000	N
Dubsdread Clubhouse Improvements	REC	-	-	-	150,000	-	150,000	N
Dubsdread Course/Grounds Maintenance	REC	-	200,000	200,000	-	-	400,000	N
Dubsdread Equipment	REC	150,000	-	-	-	150,000	300,000	N
Parramore Housing Initiative	ECD	2,800,000	1,500,000	1,500,000	1,000,000	1,000,000	7,800,000	N
Real Estate Acquisition	GEN	1,063,386	1,000,000	1,000,000	1,000,000	1,000,000	5,063,386	N
Streetscape Improvements	ECD	275,000	125,000	100,000	50,000	50,000	600,000	N
Under I Design	ECD	750,000	750,000	750,000	1,000,000	1,000,000	4,250,000	Y
Welcome Center Upgrades	ECD	325,000	-	-	-	-	325,000	N
Other Funds Total		\$ 8,503,386	\$ 7,075,000	\$ 7,050,000	\$ 5,550,000	\$ 5,550,000	\$ 33,728,386	

PROGRAM SUMMARY FOR THE 2019-2023 CAPITAL IMPROVEMENT PROGRAM

City of Orlando 2019-2023 Capital Improvement Program by Funding Source

		2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	FIVE YEAR	CIE
Service Charges								
Administration Center Garage Repair/Maintenance	TRA	150,000	200,000	150,000	-	-	500,000	N
Amway Center Repair and Replacement	REC	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	5,000,000	N
CBD Waste & Recycling Center	SOL	-	400,000	-	-	-	400,000	Y
Central Blvd Garage Repair and Maintenance	TRA	125,000	150,000	200,000	180,000	-	655,000	N
Centroplex I Garage Repair and Maintenance	TRA	-	100,000	160,000	-	100,000	360,000	N
Centroplex II Garage Capital Repairs	TRA	-	100,000	100,000	160,000	100,000	460,000	N
Commercial Collection Vehicles	SOL	1,328,155	343,383	-	-	3,433,830	5,105,368	Y
Conserv I Area Collection System Improvements	WAS	-	2,000,000	1,000,000	2,000,000	2,000,000	7,000,000	Y
Conserv I Expansion Joint Repair or Replace	WAS	100,000	-	-	-	-	100,000	N
Conserv I Reclaimed Water Storage	WAS	-	-	-	6,500,000	-	6,500,000	
Conserv I Treatment Plant Improvements	WAS	1,500,000	7,500,000	7,500,000	-	-	16,500,000	Y
Conserv II Area Collection System Improvements	WAS	1,000,000	4,500,000	3,500,000	2,000,000	2,000,000	13,000,000	Y
Conserv II Equalization Pumping Station Reha	WAS	4,500,000	-	-	-	-	4,500,000	N
Conserv II Plant Water System Evaluation	WAS	500,000	-	-	-	-	500,000	N
Conserv II Process Improvements and Upgrades	WAS	-	500,000	2,500,000	-	-	3,000,000	
Conserv II RIB Site 1 & 10 Expansion	WAS	-	4,000,000	-	-	-	4,000,000	Y
Courthouse Garage Repair and Maintenance	TRA	125,000	120,000	100,000	200,000	175,000	720,000	N
Easterly Wetlands Restoration	WAS	-	500,000	500,000	500,000	500,000	2,000,000	N
GEICO Garage Repairs and Maintenance	TRA	120,000	-	250,000	150,000	-	520,000	N
Iron Bridge Area Collection System Improvements	WAS	1,500,000	2,500,000	1,500,000	1,500,000	1,500,000	8,500,000	Y
Iron Bridge Biosolids Disposal Improvements	WAS	500,000	5,000,000	-	-	-	5,500,000	N
Iron Bridge Diffused Air Improvements	WAS	1,800,000	-	-	-	-	1,800,000	N
Iron Bridge Grit System Replacement	WAS	1,000,000	8,000,000	-	-	-	9,000,000	N
Iron Bridge Storm Water A Improvements	WAS	400,000	-	-	-	-	400,000	N
Iron Bridge Ventilation for Biosolids Press Room	WAS	900,000	-	-	-	-	900,000	N
Jefferson Garage Capital Repairs	TRA	175,000	150,000	180,000	-	-	505,000	N
Library Garage Repair and Maintenance	TRA	135,000	150,000	175,000	120,000	150,000	730,000	N
Lift Station Odor Control	WAS	-	500,000	500,000	500,000	500,000	2,000,000	N
Lift Station Rehabilitation	WAS	3,000,000	3,000,000	5,000,000	3,000,000	3,000,000	17,000,000	N
Lift Station Site Improvements	WAS	500,000	500,000	500,000	500,000	500,000	2,500,000	N
Lift Station Underground Rehabilitation	WAS	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	7,500,000	N
Lift Stations Electrical Safety Improvements	WAS	1,000,000	400,000	2,000,000	400,000	1,000,000	4,800,000	N
Lift Stations Emergency Generators	WAS	-	2,000,000	2,500,000	2,500,000	2,500,000	9,500,000	Y
Line Sewers	WAS	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000	N
LS1,2,3 and 4 Force Main Evaluation	WAS	1,500,000	3,000,000	2,000,000	2,000,000	2,000,000	10,500,000	N
Rapid Response Construction	WAS	1,000,000	2,500,000	2,500,000	2,500,000	3,000,000	11,500,000	N
Reclaimed Water System Valve Replacements	WAS	-	1,000,000	-	-	-	1,000,000	N
Rehab of old lab facility to an education center	WAS	150,000	-	-	-	-	150,000	N
Residential/Recycling Collection Vehicles	SOL	-	707,000	707,000	352,000	-	1,766,000	N

PROGRAM SUMMARY FOR THE 2019-2023 CAPITAL IMPROVEMENT PROGRAM

City of Orlando 2019-2023 Capital Improvement Program by Funding Source

		2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	FIVE YEAR	CIE
Sanitary Service Lateral Rehabilitation	WAS	500,000	2,500,000	2,500,000	2,000,000	2,000,000	9,500,000	N
Sanitary System Corrosion Abatement	WAS	-	1,000,000	1,000,000	1,000,000	1,000,000	4,000,000	N
Sanitary upgrades with other projects	WAS	1,000,000	1,500,000	1,500,000	1,500,000	1,500,000	7,000,000	N
Sewage ARV Replacement	WAS	1,500,000	300,000	1,500,000	300,000	1,500,000	5,100,000	N
Service Charges Total		\$ 30,508,155	\$ 59,620,383	\$ 44,522,000	\$ 34,362,000	\$ 32,958,830	\$ 201,971,368	
Stormwater Utility Fee								
Drainage Well Enhancement	STR	\$ 200,000	\$ -	\$ 200,000	\$ 200,000	\$ -	\$ 600,000	Y
East Lake Arnold	STR	-	1,000,000	1,000,000	1,000,000	-	\$ 3,000,000	Y
Lake Hourglass to Lake Lancaster Drainage Improvements	STR	-	-	140,000	1,200,000	-	\$ 1,340,000	Y
Lake Notasulga/Haralson Estates	STR	250,000	2,000,000	2,500,000	-	-	\$ 4,750,000	Y
Lake of the Woods to Al Coith Park	STR	-	1,750,000	-	-	-	\$ 1,750,000	Y
Rapid Response Construction	STR	1,000,000	2,500,000	2,500,000	2,500,000	-	\$ 8,500,000	N
Stormwater System Construction	STR	500,000	500,000	1,000,000	1,000,000	1,000,000	\$ 4,000,000	Y
System Repair and Rehabilitation	STR	500,000	500,000	1,000,000	1,000,000	1,000,000	\$ 4,000,000	Y
Stormwater Utility Fee Total		\$ 2,450,000	\$ 8,250,000	\$ 8,340,000	\$ 6,900,000	\$ 2,000,000	\$ 27,940,000	
Transportation Impact Fees								
Colonial Overpass	TRA	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ 200,000	Y
Downtown Connector Trail	TRA	-	250,000	-	-	-	250,000	Y
Grand National Dr.: Oakridge Rd. to Sand Lake Rd.	TRA	500,000	4,000,000	4,000,000	-	-	8,500,000	Y
Lincoln SunRail Station Reimbursement	TRA	500,000	500,000	-	-	-	1,000,000	Y
Millenia & Oak Ridge Dual Left SB	TRA	150,000	-	-	-	-	150,000	Y
Narcoossee Widening: SR 528 - SR 417	TRA	3,500,000	3,500,000	3,500,000	-	-	10,500,000	Y
New Traffic Signal Locations (Southeast & Southwest)	TRA	150,000	450,000	450,000	450,000	450,000	1,950,000	Y
Orange/Michigan Turn Lane	TRA	100,000	-	-	-	-	100,000	Y
Orlando Urban Trail between Overpass to Magnolia	TRA	-	-	500,000	-	-	500,000	Y
Radebaugh Way Road Widening	TRA	200,000	-	-	-	-	200,000	Y
Shingle Creek Trail	TRA	500,000	-	-	-	-	500,000	Y
Terry Avenue – South Extension	TRA	332,000	332,000	332,000	-	-	996,000	Y
Transportation Studies/Professional Services	TRA	-	150,000	-	150,000	-	300,000	N
Transportation Impact Fee Totals		\$ 6,032,000	\$ 9,282,000	\$ 8,782,000	\$ 600,000	\$ 450,000	\$ 25,146,000	

THIS PAGE LEFT INTENTIONALLY BLANK



THIS PAGE LEFT INTENTIONALLY BLANK

CAPITAL IMPROVEMENTS ELEMENT REQUIREMENTS

One of the significant changes brought about by the 1985 Growth Management Act (GMA) was the requirement for a Capital Improvements Element (CIE) as an integral part of the comprehensive plan. In whole, the comprehensive plan should set the "principles, guidelines, and standards for the orderly and balanced future economic, social, physical, environmental, and fiscal development" of the City. The CIE is the pivotal element that actually charts the course for the entire comprehensive plan through the programming of needed capital improvements in a timely manner to accommodate balanced growth.

The purpose of the CIE is to pull together all needed capital improvements identified in all the other elements of the Growth Management Plan (GMP) ensuring that those capital improvements essential to maintaining adopted level of service standards, or fulfilling the goals and policies of the plan, are programmed and completed in a timely manner. Once all needed capital improvements identified in the CIE are incorporated into the CIP, the CIP can then be used to implement and monitor the effectiveness of the GMP.

In order to meet the requirements mandated by the Growth Management Act, the City of Orlando must develop a financially feasible Capital Improvements Element (CIE). More specifically, the legislation mandates that local governments must accomplish the following tasks:

- Evaluate the need for public facilities as identified in all other elements based on level of service standards.
- Adopt goals, objectives, and policies that will direct and guide the future development and funding of capital improvements.
- Determine funding levels for all applicable funding sources and five-year projections.

- Develop a five-year program that designates those capital improvements that are to be funded and constructed for the five-year interim.
- Identify the timing, phasing, funding and location of all capital improvements in a comprehensive manner.
- Determine the fiscal impact capital improvements have on the annual budget.
- Estimate the cost of capital improvements
- Examine and prioritize all capital improvements assuring that the most essential projects are programmed first.
- Analyze the fiscal capability of the local government to finance and construct needed improvements.
- Serve as a mechanism that ensures the availability of public facilities and services concurrent with the impact of new development, and maintain adopted level of service standards.
- Establish a mechanism that will monitor the status of capital improvements, new development, revenue and available capacity on an annual basis.

The City of Orlando provides needed and desired urban services to the public. In order to provide these services, the City must adopt acceptable level of service standards and develop a schedule to expand and maintain public facilities, services and equipment. The CIE has great significance in that it touches the lives of every City resident and visitor through the provision of public facilities and services such as roads, mass transit, stormwater, potable water, wastewater, solid waste and parks.

In 2005, the Florida Legislature passed the Infrastructure Planning and Funding Act (SB360). The provisions of this Act require local

governments to further define the financial feasibility of their comprehensive plans. Local governments were required to implement the following standards by December 1, 2007:

- The 5-year capital improvements schedule must be updated annually and submitted to the State for review.
- The definition of financial feasibility has been amended to require committed funding for the first 3 years of the 5-year schedule, followed by planned or committed funding for the remaining two years.
- Projects listed within the capital improvements schedule must be funded from public or private sources. A privately funded project may only be included if its funding source has been guaranteed through an enforceable agreement.
- The capital improvements schedule must include transportation improvements identified in Metroplan Orlando's transportation improvement program.
- If a local government adopts a long-term concurrency management system, it must also adopt a long-term capital improvements schedule. Long-term concurrency management may be planned for up to 15 years.
- Local governments must demonstrate that the comprehensive plan, including the capital improvements schedule, is financially feasible. This may be accomplished using the state's Fiscal Impact Analysis Model (FIAM) or by other approved methodology.

The 2005 legislation also required local governments to adopt a proportionate share mitigation ordinance by December 1, 2006. The law provides that a developer may choose to satisfy all transportation concurrency requirements by contributing a proportionate share of the cost for transportation facilities needed to mitigate the impacts of a proposed development.

As required effective December 1, 2008, the CIE must also include standards and projects for public school facilities, including public school facility LOS standards, concurrency service areas, proportionate fair-share projects, and projects identified in the school district's work plan.

The following represents selected financial goals, objectives and policies found in the Capital Improvements Element establishing the criteria used to determine which capital improvements are included in the five-year program:

Goal 1

To provide and maintain, in an efficient and balanced manner, public facilities and services that protect the public health, safety, and welfare of its citizens, concurrent with the impacts of new development, are environmentally sensitive, are consistent with the desired urban form, achieve acceptable levels of service, maintain the existing infrastructure, and minimize public costs.

Objective 1.1 Capital improvements shall be provided to correct existing deficiencies, repair and replace worn out or obsolete facilities, and to accommodate new growth in an efficient, cost-effective, and timely manner upon plan adoption.

Policy 1.1.1 The Capital Improvements Element shall be the mechanism used to guide and implement the Growth Management Plan through the programming of public facilities and services as identified in other elements of the GMP. The Capital Improvements Element shall concentrate on the first five years of capital needs, shall be financially feasible, and shall be reviewed and updated annually. The five-year capital improvements schedule shall be adopted as part of the Growth Management Plan.

Policy 1.1.2 Capital improvements identified in the Growth Management Plan that have an estimated cost of \$100,000 or over with a minimum useful life of three years shall be included in the Capital Improvements Element. Capital improvements identified in the Capital Improvements Element shall fulfill one of four purposes:

1. Protect the public's health and safety by preventing a critical breakdown in the City's public facilities and services.
2. Maintain, upgrade, repair or replace existing public facilities.
3. Eliminate existing deficiencies.

4. Expand existing public facilities or construct new public facilities concurrent with new growth.

Policy 1.1.3 For the purpose of this element, public facilities shall pertain to the following: roads, schools, public transit, wastewater, potable water, solid waste, stormwater, and recreation and open space that are located within the City. Needed public facilities and services that meet the capital improvements definition and are the City's fiscal responsibility shall be included in the Capital Improvements Element.

Policy 1.1.4 Recommended public facilities and services identified in the Housing, Historic Preservation, Downtown or Urban Design Elements that meet the capital improvements definition and are the City's fiscal responsibility shall also be included in the Capital Improvements Element.

Policy 1.1.5 Capital improvements identified in development orders executed for all Developments of Regional Impact and development agreements shall be included in the Capital Improvements Element, if improvements are proven to be financially feasible and necessary.

Policy 1.1.6 Capital improvements shall be prioritized in a manner that is consistent with the Growth Management Plan. This prioritization system shall be comprised of the following three components:

(a) The timing of capital improvements shall be based on the following priorities:

1. To preserve the health and ensure the safety and welfare of the public by eliminating or preventing a critical breakdown in the City's public facilities and services.
2. To maintain existing public facilities through a repair and replacement program.
3. To eliminate existing deficiencies in a timely and cost efficient manner.

4. To accommodate new growth through the timely and cost effective planning and construction of new or expanded public facilities.

(b) The needed capital improvements shall be located to promote efficient and compact development patterns through the strategic placement of new and expanded facilities that support the activity center concept. In an effort to promote compact development patterns, capital improvements shall be given the following priority based on project location:

1. Downtown
2. Metropolitan activity centers
3. Other activity centers and mixed-use corridors
4. Fully developed area
5. All other areas in the City

(c) The fiscal impact of needed capital improvements shall be taken into consideration so that programmed capital improvements shall not overburden the operating budget in a particular year, and also to ensure that capital improvements are programmed in a cost efficient manner. Participation of other private and public entities (Florida Department of Transportation, Orange County, and Water Management District) shall be taken into consideration for cost-effectiveness and to avoid duplication. The following criteria shall be applied to determine the fiscal impact of capital improvements:

1. Consideration of the fiscal impact on the operating and capital budget.
2. Relationship between project costs and potential revenue.
3. Protection of a prior or potential public investment.
4. Value of project to improve City's efficiency.
5. Avoidance of inefficient duplication of public facilities and services.

Policy 1.1.7 The Capital Improvements Element shall be a five-year program that is updated annually after a single adoption hearing. A copy of the ordinance shall be transmitted to the Florida Department of Community Affairs following adoption.

Policy 1.1.8 The Capital Improvements Element shall be integrated into the Capital Improvement Program process, and the first year of the Capital Improvement Program will represent the capital budget that is adopted by City Council. The capital budget will include the first year of the Capital Improvements Fund Schedule and all other capital improvements identified in the Capital Improvement Program. Years two through five of the Capital Improvements Fund Schedule shall be included in the Capital Improvements Program, with committed funding sources identified for years two and three.

Policy 1.1.9 All operating costs associated with public facilities and services programmed in the Capital Improvements Element shall be incorporated into the five-year operating budget. The budget process shall be amended to ensure that operating revenue needed to support capital improvements is provided.

The Capital Improvements Element is an important tool to implement the City's Growth Management Plan. The CIE shall be incorporated into the Capital Improvement Program. The following fund schedule shows exactly how much it will cost the City to preserve the approved "quality of life" based on adopted Level of Service standards.

The Goals, Objectives and Policies section of the CIE describes the adopted Level of Service standards. The five-year schedule of capital improvements identified in the Capital Improvements Element represents a five-year program of needs based on adopted Level of Service standards. The following schedule of improvements is updated annually. This schedule represents the annual update for the FY 2018/19 through 2022/23 programs.

CAPITAL IMPROVEMENTS ELEMENT
2019-2023 CITY OF ORLANDO CAPITAL IMPROVEMENT ELEMENT (FIGURE CI-14)
BY FUNDING SOURCE

	<u>2018/19</u>	<u>2019/20</u>	<u>2020/21</u>	<u>2021/22</u>	<u>2022/23</u>	<u>FIVE YEAR</u>
<u>Capital Improvement Fund</u>						
Bicycle and Pedestrian Facilities						
School/Safety Sidewalk Program	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 3,000,000
Miscellaneous Sidewalk Repair	1,150,000	300,000	300,000	300,000	300,000	2,350,000
Roadways						
Southeast Projects	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	\$ 5,000,000
Parks and Open Space						
Parks and Playground Renovation	1,220,000	750,000	1,330,000	1,550,000	1,630,000	6,480,000
Capital Improvement Fund Total	\$ 3,970,000	\$ 2,650,000	\$ 3,230,000	\$ 3,450,000	\$ 3,530,000	\$ 16,830,000
<u>Gas Tax Fund</u>						
Roadways						
New Traffic Signal Locations (City wide)	\$ 100,000	\$ 370,000	\$ 370,000	\$ 370,000	\$ 370,000	\$ 1,580,000
Curb Ramp Construction and Curb Repair	150,000	200,000	200,000	200,000	200,000	950,000
Robinson "Complete Streets"	-	-	6,481,000	-	-	6,481,000
Virginia Drive Improvement	250,000	-	500,000	500,000	1,000,000	2,250,000
Mass Transit						
LYNX Annual Contribution	4,008,555	4,029,469	4,110,059	4,192,260	4,276,105	20,616,448
Bicycle and Pedestrian Facilities						
Bicycle Plan Implementation	150,000	150,000	150,000	150,000	150,000	750,000
School/Safety Sidewalk Program	100,000	100,000	100,000	100,000	100,000	500,000
Gas Tax Fund Total	\$ 4,758,555	\$ 4,849,469	\$ 11,911,059	\$ 5,512,260	\$ 6,096,105	\$ 33,127,448
<u>Other Funds</u>						
Parks and Open Space						
Under I Design	\$ 750,000	\$ 750,000	\$ 750,000	\$ 1,000,000	\$ 1,000,000	\$ 4,250,000
Other Funds Total	\$ 750,000	\$ 750,000	\$ 750,000	\$ 1,000,000	\$ 1,000,000	\$ 4,250,000
<u>Service Charges</u>						
Solid Waste Collection						
Commercial Collection Vehicles	\$ 1,328,155	\$ 343,383	\$ -	\$ -	\$ 3,433,830	\$ 5,105,368
CBD Waste & Recycling Center	-	400,000	-	-	-	400,000
Residential/Recycling Collection Vehicles	-	707,000	707,000	352,000	-	1,766,000
	\$ 1,328,155	\$ 1,450,383	\$ 707,000	\$ 352,000	\$ 3,433,830	\$ 7,271,368

CAPITAL IMPROVEMENTS ELEMENT
2019-2023 CITY OF ORLANDO CAPITAL IMPROVEMENT ELEMENT (FIGURE CI-14)
BY FUNDING SOURCE

	<u>2018/19</u>	<u>2019/20</u>	<u>2020/21</u>	<u>2021/22</u>	<u>2022/23</u>	<u>FIVE YEAR</u>
Conserv I Area Collection System Improvements	\$ -	\$ 2,000,000	\$ 1,000,000	\$ 2,000,000	\$ 2,000,000	\$ 7,000,000
Conserv I Treatment Plant Improvements	1,500,000	7,500,000	7,500,000	-	-	16,500,000
Conserv II Area Collection System Improvements	1,000,000	4,500,000	3,500,000	2,000,000	2,000,000	13,000,000
Iron Bridge Area Collection Systems Improvements	1,500,000	2,500,000	1,500,000	1,500,000	1,500,000	8,500,000
Lift Station Emergency Generators	-	2,000,000	2,500,000	2,500,000	2,500,000	9,500,000
Service Charges Total	\$ 4,000,000	\$ 18,500,000	\$ 16,000,000	\$ 8,000,000	\$ 8,000,000	\$ 54,500,000
<u>Stormwater Utility Fee</u>						
Stormwater						
Drainage Well Enhancement	\$ 200,000	\$ -	\$ 200,000	\$ 200,000	\$ -	\$ 600,000
East Lake Arnold Outfall Improvements	-	1,000,000	1,000,000	1,000,000	-	3,000,000
Lake Hourgalss to Lake Lancaster Draingage Improvements	-	-	140,000	1,200,000	-	1,340,000
Lake of the Woods to Al Coith Park	-	1,750,000	-	-	-	1,750,000
Lake Notasulga / Haralson Estates	250,000	2,000,000	2,500,000	-	-	4,750,000
Stormwater System Construction	500,000	500,000	1,000,000	1,000,000	1,000,000	4,000,000
System Repair and Rehabilitation	500,000	500,000	1,000,000	1,000,000	1,000,000	4,000,000
Stormwater Utility Fee Total	\$ 1,450,000	\$ 5,750,000	\$ 5,840,000	\$ 4,400,000	\$ 2,000,000	\$ 19,440,000
<u>Transportation Impact Fees</u>						
Roadways						
Grand National Dr.: Oakridge Rd to Sand Lake Rd	\$ 500,000	\$ 4,000,000	\$ 4,000,000	\$ -	\$ -	\$ 8,500,000
Millenia & Oak Ridge Dual Left SB	150,000	-	-	-	-	150,000
Narcoossee Widening: SR 528 - SR 417	3,500,000	3,500,000	3,500,000	-	-	10,500,000
Orange/Michigan Turn Lane	100,000	-	-	-	-	100,000
Orlando Urban Trail B/T Overpass Magnolia	-	-	500,000	-	-	500,000
New Traffic Signal Locations (Southeast)	-	300,000	300,000	300,000	300,000	1,200,000
New Traffic Signal Locations (Southwest)	150,000	150,000	150,000	150,000	150,000	750,000
Terry Avenue - Washington to Colonial - South Extension	332,000	332,000	332,000	-	-	996,000
Radebaugh Way Road Widening	200,000	-	-	-	-	200,000
Mass Transit						
Lincoln SunRail Station Funding Agreement	500,000	500,000	-	-	-	1,000,000
Bicycle and Pedestrian Facilities						
Colonial Overpass	100,000	100,000	-	-	-	200,000
Downtown Connector Trail	-	250,000	-	-	-	250,000
Shingle Creek Trail	500,000	-	-	-	-	500,000
Transportation Impact Fees Total	\$ 6,032,000	\$ 9,132,000	\$ 8,782,000	\$ 450,000	\$ 450,000	\$ 24,846,000
Total	\$ 22,288,710	\$ 43,081,852	\$ 47,220,059	\$ 23,164,260	\$ 24,509,935	\$ 160,264,816



THIS PAGE LEFT INTENTIONALLY BLANK

**CITY OF ORLANDO
2019 - 2023 SUPPLEMENTAL CAPITAL FUNDING
FROM BUDGET REVIEW COMMITTEE**

The City's capital budget exists in a dynamic environment. Even though the City makes every effort to budget capital projects efficiently, there are both internal and external factors that can impact projects throughout the year. Therefore, the City has policies in place to guide requests for budgetary changes during the fiscal year. Such changes may include but are not limited to receipt of grants, the re-purposing of existing appropriations, allocating or releasing fund balance and changes to authorized positions. These changes can include changes to the capital improvement budget. A Budget Review Committee (BRC) meets as needed to address and act on requests for budgetary changes. Below is a list of the BRC-approved changes to the FY18 capital budget.

Project Name (by meeting date)	Fund	Project	Project Description	BRC Funding
October 2017				
SR 435 (Kirkman Rd) Multi-Use Trail	1072_F	TSP0052P	For construction cost of Kirkman Road Multi-use Trail project	\$1,464,833
Plan Scanning	1110_F	PER0001_P	To support increased contract costs	\$100,000
November 2017				
Creative Village Land	3006_F	REM0011_P	To recognize budget from the sale of Creative Village Parcel J Student Housing	\$3,265,310
Iron Bridget Low Voltage Improvements	4106_F	CIP0054_P ⁽ⁱ⁾	To recognize State Revolving Fund loan for Iron Bridge Water Reclamation Facility low voltage system improvements	\$12,768,910
[i] In the original BRC materials this was incorrectly coded with CIP0214_P				
January 2018				
Land Acquisitions	3006_F	REM0010_P	To recognize budget from the sale of land	\$230,295
February 2018				
TF4 Warehouse	3001_F	OFR0005_P	To recognize budget from lease agreement with Orange County Fire Department and Seminole County Fire Department	\$226,114
Mass Transit Florida Hospital	3001_F	TSP0003_P	To budget for the FY18 Lynx Funding Agreement for use of the Omnimodal GPS Services	\$50,000
Park of Americas Lighting	3001_F	PKS0012_P	To budget for the installation of pedestrian lights at Park of the Americas	\$110,000

CITY OF ORLANDO
2019 - 2023 SUPPLEMENTAL CAPITAL FUNDING
FROM BUDGET REVIEW COMMITTEE

Project Name (by meeting date)	Fund	Project	Project Description	BRC Funding
March 2018				
Grand National – Oakridge to Sand Lake	1072_F	TRE0017_P	To move funding from the I Drive Congestion Management project (CIP0082_P) to help fund Grand National construction costs	\$979,371
Narcoossee Widening: SR 538 – SR417	1071_F	TRE0028_P	To move funding from several projects to increase the Narcoossee Widening budget	\$2,887,850
Virginia Drive Improvements	1100_F	TSP0060_P	To move funding from the Medical City Connector project (TSP0022_P) to the Virginia drive project	\$229,434
Creative Village Land	3006_F	REM0011_P	To recognize budget from the sale of Creative Village Parcels N and P	\$3,649,329
Land Acquisitions	3006_F	REM0010_P	To recognize budget from the sale of land located at South Division Av and West South Street	\$1,156,328
Lake Davis / Greenwood Interconnect	4160_F	CIP0015_P	To allocated fund balance to fund project	\$3,167,751
Oregon Street (Hampton to Altaloma) Drainage Improvements	4160_F	STW0025_P	To allocated fund balance to fund project	\$2,895,266
Conserv II Deep Bed Filters	4106_F	CIP0190_P	To move budget from several projects, Contingency and Fund Balalnce to fund construction needs	\$1,500,000
Iron Bridge Backwash / Recycle VFD Upgrade	4106_F	CIP0194_P	To move Contingency and Fund Balance from the Water Reclamation Revenue Fund for construction needs	\$50,000
Conserv II Filter Rehabilitation	4106_F	CIP0207_P	To move Contingency and Fund Balance from the Water Reclamation Revenue Fund for construction needs	\$90,000
Iron Bridge WRF Dewatering Improvements	4106_F	CIP0223_P	To move Contingency and Fund Balance from the Water Reclamation Revenue Fund for construction needs	\$2,500,000
Lift Station 1 Improvements	4106_F	CIP0216_P	To move Contingency and Fund Balance from the Water Reclamation Revenue Fund for construction needs	\$20,000,000
Lift Station Emergency Generators	4106_F	CIP0217_P	To move Contingency and Fund Balance from the Water Reclamation Revenue Fund for construction needs	\$800,000
Wastewater Administration Redesign and Expansion	4106_F	CIP0179_P	To move Contingency and Fund Balance from the Water Reclamation Revenue Fund for construction needs	\$1,000,000
Lift Station Odor Control	4104_F	CIP0001_P	To move budget from several projects to fund construction needs	\$5,680
Conserv II Biosolids Dewater	4104_F	CIP0007_P	To move budget from several projects to fund construction needs	\$324,298

CITY OF ORLANDO
2019 - 2023 SUPPLEMENTAL CAPITAL FUNDING
FROM BUDGET REVIEW COMMITTEE

Project Name (by meeting date)	Fund	Project	Project Description	BRC Funding
Lift Station Telemetry Replacement	4104_F	CIP0021_P	To move budget from several projects to fund construction needs	\$196,691
Marks Street Improvements	4104_F	CIP0147_P	To move budget from several projects to fund construction needs	\$67,217
Carver Shores Improvements – Water Reclamation	4106_F	CIP0058_P	To move budget from several projects to fund construction needs	\$3,300
Dean Road Sewer Slipline	4106_F	CIP0104_P	To move budget from several projects to fund construction needs	\$3,400,000
Marks Street Sewer	4106_F	CIP0116_P	To move budget from several projects to fund construction needs	\$179,677
Conserv II Anaerobic Digester	4106_F	CIP0168_P	To move budget from several projects to fund construction needs	\$27,470
Lift Station 3 Collection System Improvements	4106_F	CIP0182_P	To move budget from several projects to fund construction needs	\$16,626
Downtown Sanitary Sewer	4110_F	CIP0070_P	To use Contingency to fund construction needs	\$484,098
8 th Street Gravity Sewer	4110_F	CIP0188_P	To use Contingency to fund construction needs	\$15,902
Information Technology Security Measures	3001_F	TMD0006_P	To move budget from the Information Technology Enhancements project (TMD0003_P) to IT Security	\$1,596,100
Operational Efficiency Project	3001_F	TMD0002_P	To move budget from the Information Technology Enhancements project (TMD0003_P) to Operational Efficiency	\$197,250
Information Technology Hardware and Software Upgrades	3001_F	TMD0007_P	To move budget from the Information Technology Enhancements project (TMD0003_P) to Hardware & Software Upgrades	\$3,769,750
Energy Initiative Construction Bond Project Admin	3032_F	FAC0009_P	To move unused budget from complete projects to the Admin Project	\$3,225,981
City Hall Energy Bond Projects	3032_F	FAC0018_P	To move unused budget from complete projects to the Admin Project	\$8,361,498
Leu Gardens Stormwater Improvements	4160_F	CIP0010_P	To move unused budget from complete projects to the Admin Project	\$2,021,195
Oregon Street (Hampton to Altaloma) Drainage Improvements	4160_F	STW0025_P	To move budget to complete project	\$96,374
Cheryl Street Drainage	4160_F	CIP0032_P	To move budget to complete project	\$870
Rapid Response Construction	4160_F	CIP0086_P	To move budget to complete project	\$1,798,954
Stormwater System Evaluation	4160_F	CIP0090_P	To move budget to complete project	\$3,521
Jefferson Drainage Improvements	4160_F	CIP0123_P	To move budget to complete project	\$62,519
Kaley / Eola Drainage Improvements	4160_F	CIP0124_P	To move budget to complete project	\$91,455
Marks Street Drainage	4160_F	CIP0127_P	To move budget to complete project	\$39,839

**CITY OF ORLANDO
2019 - 2023 SUPPLEMENTAL CAPITAL FUNDING
FROM BUDGET REVIEW COMMITTEE**

Project Name (by meeting date)	Fund	Project	Project Description	BRC Funding
Oregon Street (Altaloma to Shine) Drainage Improvements	4160_F	CIP0159_P	To move budget to complete project	\$352,000
Olive / Lawsona Interconnect	4160_F	CIP0126_P	To move budget to complete project	\$53,623
May 2018				
Lake Nona Parks	3001_F	PKS0009_P	To provide funding for new parks in Lake Nona area	\$625,000
Land Acquisitions	3006_F	REM0010_P	To recognize budget from the sale of Lakeside Village and Bordeaux I & II apartment complexes	\$1,360,000
Iron Bridge Low Voltage Improvements	4106_F	CIP0054_P	To allocated fund balance to supplemental State Revolving Loan Fund budget	\$3,000,000
Additionally at the May 8 meeting, the BRC approved the movement of all existing Parking capital projects into a separate Parking Renewal & Replacement Fund.				

June 2018

Curb Ramps – Gas Tax	1100_F	TRE0023_P	To move budget from Miscellaneous Transportation Projects (TRE0019_P) to the Curb Ramps project	\$132,841
Oracle – Community Emergency Response Team	1130_F	OFD0002_P	To recognize revenue	\$28,606
Land Acquisitions	3006_F	REM0010_P	To recognize budget from the sale of property located at the corner of Rixey Street and Lake Baldwin Lane and along the east side of Chapman Court	\$682,033
Downtown Connector Trail	1071_F	TSP0055_P	To use contingency funds to complete the phase of the Downtown Connector Trail	\$145,000

August 2018

Amelia Street Trail Crossing	1070_F	CIP0238_P	To use contingency funds and fund balance to complete the Amelia Street Trail Crossing project	\$388,000
SR 435 (Kirkman Road) Multi-Use Trail	1072_F	TSP0052_P	To use contingency funds to complete this phase of the Kirkman Road Multi-Use Trail	\$92,806
Iron Bridge Master Pump Station Tank Replacement	4106_F	CIP0228_P	To transfer unused funds from the Iron Bridge Equipment Replacement Project (CIP0107_P) to the Iron Bridge Master Pump Station Tank Replacement	\$300,000

CITY OF ORLANDO
2019 - 2023 SUPPLEMENTAL CAPITAL FUNDING
FROM BUDGET REVIEW COMMITTEE

Project Name (by meeting date)	Fund	Project	Project Description	BRC Funding
Narcoossee Road Reclaimed Water Main	4106_F	CIP0237_P	To use fund balance to budget for the replacement of a reclaimed water main along Narcoossee Road as the road is widened	\$8,948,187
Miscellaneous Sidewalk Repair – Capital Improvement Plan	3001_F	STW0013_P	To replenish funds in the citywide sidewalk repair project	\$2,000,000
Facility Evaluation, Repairs and Rehabilitation	3001_F	FAC0019_P	To provide funding for citywide general facilities repairs	\$1,985,000
Creative Village	3001_F	EDV0004_P	To provide funding for the repaving of Parramore Avenue and streetscape improvements along Amelia in the Creative Village area	\$1,500,000
City Hall Renovations	3001_F	REM0006_P	To provide funding for the final phase of City Hall renovations which include the basement and 9 th floor	\$3,500,000
Transportation Safety Projects	3001_F	TRN0001_P	To dedicate all surplus red light camera revenue to only transportation safety initiatives	\$1,715,000
City Hall Energy CIP	3001_F	FAC0023_P	To provide funding for the final phase of City Hall energy efficiency improvements	\$3,200,000
Orlando Operations Center Repairs	3001_F	FAC0002_P	To fund the replacement of chiller, chiller building roof, computer room a/c and other improvements at the operations center	\$2,000,000
Community Capital Investments FY18	3001_F	NDG0005_P	To fund the third annual allocation for investments in neighborhoods	\$920,000
Mennello Museum Lighting and Signage	3001_F	LEU0003_P	To fund the replacement of the Mennello street sign consistent with Loch Haven guidelines	\$65,000
Signature Parks	3001_F	PKS0007_P	To fund utility upgrades at the City’s signature parks	\$200,000
Fire Station and Public Safety Bldgs Interim Improvements	3001_F	FAC0024_P	To fund stopgap improvements at public safety facilities that are scheduled for renovations in the next few years	\$500,000
Economic Development Contractual Commitments	3001_F	EDV0003_P	Setting aside business incentive commitments for possible future disbursement	\$156,972
Mayor’s Grants	3001_F	OCA0001_P	Setting aside Mayor’s Matching grants commitments for possible future disbursement	\$35,241
Community Capital – District 1	3001_F	OCC0001_P	To move unspent District funds to the capital fund	\$87,509
Community Capital – District 2	3001_F	OCC0002_P	To move unspent District funds to the capital fund	\$38,598
Community Capital – District 3	3001_F	OCC0003_P	To move unspent District funds to the capital fund	\$74,407
Community Capital – District 3	3001_F	OCC0003_P	To move unspent District funds to the capital fund	\$64,159

CITY OF ORLANDO
2019 - 2023 SUPPLEMENTAL CAPITAL FUNDING
FROM BUDGET REVIEW COMMITTEE

Project Name (by meeting date)	Fund	Project	Project Description	BRC Funding
Affordable Housing	3001_F	HSG0001_P	To supplement existing funds to leverage development of affordable housing and mixed income housing	\$1,000,000
Operational Efficiency Project	3001_F	TMD0002_P	To provide funding for several IT initiatives including replacing laptops, eliminating pagers and replacing an AS/400 application	\$250,000
Capital Investments	3001_F	CIP0136_P	To fund the relocation of utility lines along Orange Center Blvd and planning work at Trotters' Park	\$1,000,000
Traffic Flow Improvements	3001_F	TRE0038_P	To fund repairs to intersection detection devices (or other similar efforts) to improve the flow of traffic	\$250,000
City Hall Renovations	3001_F	REM0006_P	To reimburse the capital fund for work done in FY18 as part of City Hall renovations	\$1,660,538
City Hall Public Space & Conference Rooms 2 nd Floor	3001_F	REM0008_P	To reimburse the capital fund for work done in FY18 as part of City Hall renovations	\$19,278
Community Capital Investments FY18	3001_F	NDG0005_P	To fund the third annual allocation for investments in neighborhoods	\$280,000
Information Technology Security Measures	3001_F	TMD0006_P	To fund efforts to improve IT safety and security	\$250,000
Financial Business Operations	3001_F	FIN0002_P	To fund human resource research studies	\$50,000
Human Resources Wellness Initiatives	3001_F	HRD0001_P	To budget revenue from wellness initiatives	\$257,000
Signature Parks	3001_F	PKS0007_P	To budget several year's revenue received for an encroachment into Lk Eola Park	\$100,000
Creative Village	3001_F	EDV0004_P	To fund improvements to the Bob Carr plaza	\$500,000
Land Acquisitions	3006_F	REM0010_P	To fund future land acquisitions using the proceeds from land sale proceeds	\$291,468
City Hall Energy Bond	3032_F	FAC0018_P	To allocate the remaining fund balance to the project	\$722,594
Mass Transit Florida Hospital	3001_F	TSP0003_P	To return unspent Lymmo operating funds to this project	\$230,015
Rental Rehab	1201_F	HSG0004_P	To budget revenue received on rehab rental property to be used anew	\$230,051
Packing District: Park and Tennis Parcel Improvements	3034_F	PKS0017_P	To budget bond proceeds for new project	\$8,071,268
Packing District: Transportation Improvements	3034_F	TRN0003_P	To budget bond proceeds for new project	\$9,207,850
Packing District: Stormwater	3034_F	STW0031_P	To budget bond proceeds for new project	\$7,230,569

CITY OF ORLANDO
2019 - 2023 SUPPLEMENTAL CAPITAL FUNDING

Project Name (by meeting date)	Fund	Project	Project Description	BRC Funding
Packing District: Nondepartmental	3034_F	NDG0003_P	To budget bond proceeds for new project	\$500,000
Packing District: Tennis Center	3034_F	CIP0227_P	To budget bond proceeds for new project	\$5,000,000
Constitution Green Dog Park Improvements	3034_F	PKS0013_P	To budget bond proceeds for new project	\$100,000
Rosemount Center Gymnasium	3034_F	REC0009_P	To budget bond proceeds for new project	\$4,500,000
Grand Avenue School	3034_F	CIP0226_P	To budget bond proceeds for new project	\$18,000,000
Lake Lorna Doone Park Improvements	3034_F	CIP0229_P	To budget bond proceeds for new project	\$5,000,000
Fire Station #11	3034_F	CIP0230_P	To budget bond proceeds for new project	\$6,500,000
Orlando Bicycle Beltway	3034_F	CIP0239_P	To budget bond proceeds for new project	\$12,500,000
Public Safety, Transportation and Parks Infrastructure	3034_F	NDG0004_P	To budget bond proceeds for new project	\$3,000,000
Brick Street Improvements	3034_F	STW0034_P	To budget bond proceeds for new project	\$3,500,000
Dover Shores Improvements Bond Program	3034_F	REC0010_P	To budget bond proceeds for new project	\$1,000,000
Lake Notasulga / Haralson Estates Bond Program	3034_F	STW0033_P	To budget bond proceeds for new project	\$3,500,000
Park & Tennis Parcel Improvements P3	3035_F	PKS0016_P	To budget public-private partnership (P3) contributions	\$610,650
Transportation Improvements P3	3035_F	TRN0004_P	To budget public-private partnership (P3) contributions	\$2,707,733
Stormwater P3	3035_F	STW0032_P	To budget public-private partnership (P3) contributions	\$949,005
HNTB Florida Citrus Bowl (FCBR)	4077_F	CBR0006_P	To allocate fund balance to close project	\$291,942
CW Stadium Repair & Replacement	4005_F	OSO0005_P	Transfer from Operations Fund for stadium renovations	\$750,000
Real Estate Acquisition	3001_F	REM0002_P	To recognize interest earnings on debt proceeds	\$628,088
Lift Station Site Improvements	4104_F	CIP0003_P	To allocated fund balance for project	\$2,452,340
Conserv II Biosolids Dewater	4104_F	CIP0007_P	To move unused budget from projects	\$1,210,322
Marks Street Improvements	4104_F	CIP0147_P	To move unused budget from projects	\$437,342
Lift Station 3	3034_F	CIP0150_P	To move unused budget from projects	\$182,337

THIS PAGE LEFT INTENTIONALLY BLANK



COMMUNITY INFRASTRUCTURE

THIS PAGE LEFT INTENTIONALLY BLANK.

CITY OF ORLANDO
2019-2023 CAPITAL IMPROVEMENT PROGRAM
Listing For Community Infrastructure

PROJECT NAME	PROJECT D PR	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE_YEAR	PRIOR	FUTURE	TOTAL CIE
Affordable Housing	19-HSG-001 0.	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000	0	0	5,000,000
DSNID Projects	18-EDV-006 0.	440,000	850,000	1,100,000	450,000	450,000	3,290,000	270,000	0	3,560,000
TOTAL		\$1,440,000	\$1,850,000	\$2,100,000	\$1,450,000	\$1,450,000	\$8,290,000	\$270,000	\$0	\$8,560,000

TYPE OF SERVICE:	Community Infrastructure	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE
DEPARTMENT:	HOUSING	19-HSG-001	Affordable Housing		
DIVISION:	HOUSING	PRIORITY:			

PROBLEM IDENTIFICATION OR NEED:

There is a need for more affordable and mixed income housing in the City of Orlando.

PROJECT RANKING

Department Rating 0.

CIE Requirement

CONTACT:

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Capital Funds to leverage development of affordable and mixed income housing in the City of Orlando.

SERVICE AREA

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
3001	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,000,000	\$0	\$0	\$5,000,000
ALL	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,000,000	\$0	\$0	\$5,000,000

PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs: SOURCE: Total Annual Income
Description	From	To		

TYPE OF SERVICE:	Community Infrastructure	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE
DEPARTMENT:	ECONOMIC DEVELOPMENT	18-EDV-006	DSNID Projects							EDV0009_P	50
DIVISION:	ECONOMIC DEV. ADMIN.	PRIORITY:									
PROBLEM IDENTIFICATION OR NEED:											
Need for the investment in infrastructure and facilities within the Downtown South Neighborhood Improvement District.											
<p>PROJECT RANKING</p> <p>Department Rating 0 .</p> <p>CIE Requirement</p>											
CONTACT: Kelly Moody											
REMARKS											
EDV0009_P DSNID Projects											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
Capital projects and other multi-year commitments of the Downtown South Neighborhood Improvement District.											
The Downtown South Neighborhood Improvement District proposes to fund design work for enhancements to several corridors within the District, in order to attract future funding for construction. For example, Division Avenue is a Florida Strategic Intermodal System facility, which could seek state funds to connect the SunRail Station to Interstate-4 while providing critical bike, freight and regional mobility needs, while enhancing connectivity out of Downtown Orlando.											
2018/19: Orange Avenue Streetscape Improvement (\$20K), Stormwater& Greenway Master Plan (\$125K).											
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
1170	\$440,000	\$850,000	\$1,100,000	\$450,000	\$450,000	\$3,290,000	\$0	\$270,000	\$3,560,000		
ALL	\$440,000	\$850,000	\$1,100,000	\$450,000	\$450,000	\$3,290,000	\$0	\$270,000	\$3,560,000		
PROJECT COST BY PHASE											
IMPACT ON OPERATING COST (+-)											
Project Phasing			Estimated Time		Estimated Cost						
Description			From	To							
					Salaries, Wages, Benefits						
					Operating Costs						
					Other Capital Costs						
					Total Annual Operating Costs:						
					SOURCE:						
					Total Annual Income						

THIS PAGE LEFT INTENTIONALLY BLANK



ECONOMIC DEVELOPMENT

THIS PAGE LEFT INTENTIONALLY BLANK

CITY OF ORLANDO
2016-2021 CAPITAL IMPROVEMENT PROGRAM
Listing For Economic Development

PROJECT NAME	PROJECT	D PR	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE_YEAR	PRIOR	FUTURE	TOTAL CIE
Downtown Capital Maintenance	16-CRA-002	0.	550,000	150,000	150,000	150,000	150,000	1,150,000	250,000	0	1,400,000
Downtown Lighting	17-CRA-004	4.	150,000	500,000	250,000	250,000	250,000	1,400,000	0	0	1,400,000
DTO Implementation	16-CRA-003	.	2,000,000	2,000,000	2,000,000	1,500,000	1,500,000	9,000,000	5,497,046	0	14,497,046
Parramore Housing Initiative	17-CRA-005	0.	2,800,000	1,500,000	1,500,000	1,000,000	1,000,000	7,800,000	2,000,000	0	9,800,000
Southeast Projects	19-FIN-001	4.	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000	2,250,022	5,749,978	13,000,000
Streetscape Improvements	18-CRA-002	.	275,000	125,000	100,000	50,000	50,000	600,000	175,000	0	775,000
Under I Design	18-CRA-001	0.	750,000	750,000	750,000	1,000,000	1,000,000	4,250,000	1,500,000	0	5,750,000
Welcome Center Upgrades	16-DDB-001	0.	325,000	0	0	0	0	325,000	100,000	0	425,000
TOTAL			\$7,850,000	\$6,025,000	\$5,750,000	\$4,950,000	\$4,950,000	\$29,525,000	\$11,772,068	\$5,749,978	\$47,047,046

TYPE OF SERVICE:	Economic Development	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE
DEPARTMENT:	ECONOMIC DEVELOPMENT	16-CRA-002	Downtown Capital Maintenance							CRA0016_P	54
DIVISION:	COMMUNITY REDEVELOPMENT AGE	PRIORITY:									
PROBLEM IDENTIFICATION OR NEED:											
Ongoing maintenance and up-keep within the CRA. Additional trees replaced in downtown area as a result of hurricanes - need supports.											
PROJECT RANKING											
Department Rating 0 .											
CIE Requirement											
CONTACT: Robert Fish 246-3680											
REMARKS											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
Funding to be utilized for the CRA maintenance and up-keep related costs. Add welded supports to new trees downtown.											
SERVICE AREA											
DOWNTOWN											
LOCATION											
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
1250	\$550,000	\$150,000	\$150,000	\$150,000	\$150,000	\$1,150,000	\$0	\$250,000	\$1,400,000		
ALL	\$550,000	\$150,000	\$150,000	\$150,000	\$150,000	\$1,150,000	\$0	\$250,000	\$1,400,000		
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)						
Project Phasing		Estimated Time		Estimated Cost							
Description		From	To								
				Salaries, Wages, Benefits							
				Operating Costs							
				Other Capital Costs							
				Total Annual Operating Costs:							
				SOURCE:							
				Total Annual Income							

TYPE OF SERVICE:	Economic Development	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE
DEPARTMENT:	ECONOMIC DEVELOPMENT	17-CRA-004	Downtown Lighting							CRA0011_P	55
DIVISION:	COMMUNITY REDEVELOPMENT AGE	PRIORITY: Future Need/Planned Expansion									
PROBLEM IDENTIFICATION OR NEED:										PROJECT RANKING	
Insufficient lighting for pedestrians and a need to further enhance downtown.										Department Rating 4 .	
										CIE Requirement	
										CONTACT: Mercedes Blanca 246-3625	
										REMARKS	
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):										SERVICE AREA	
Lighting improvements needed in the Eola and Parramore areas to accommodate increased pedestrian traffic. In addition, decorative lighting will be installed downtown to enhance the area.										DOWNTOWN	
										LOCATION	
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
1250	\$150,000	\$500,000	\$250,000	\$250,000	\$250,000	\$1,400,000	\$0	\$0	\$1,400,000		
ALL	\$150,000	\$500,000	\$250,000	\$250,000	\$250,000	\$1,400,000	\$0	\$0	\$1,400,000		
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)						
Project Phasing		Estimated Time		Estimated Cost							
Description		From	To			Salaries, Wages, Benefits					
						Operating Costs					
						Other Capital Costs					
						Total Annual Operating Costs:					
						SOURCE:					
						Total Annual Income					

TYPE OF SERVICE: Economic Development		PROJECT NUMBER: 16-CRA-003		PROJECT NAME: DTO Implementation		FINANCIAL PROJECT #		PAGE	
DEPARTMENT: ECONOMIC DEVELOPMENT		16-CRA-003		DTO Implementation		CRA0017_P		56	
DIVISION: COMMUNITY REDEVELOPMENT AGE		PRIORITY:							
PROBLEM IDENTIFICATION OR NEED:						PROJECT RANKING			
Implementation of various initiatives and projects identified in the Project DTO Vision Plan. Multi-year project.						Department Rating .			
						CIE Requirement			
						CONTACT: David Barilla 246-3703			
						REMARKS			
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):						SERVICE AREA			
Multi-year funding will be required to implement various projects and initiatives identified in the Project DTO Vision Plan. Projects will be short, mid, and long-term in nature. Future funding needs to be better estimated once an implementation strategy is complete						DOWNTOWN			
						LOCATION			
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR									
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
1250	\$2,000,000	\$2,000,000	\$2,000,000	\$1,500,000	\$1,500,000	\$9,000,000	\$0	\$5,497,046	\$14,497,046
ALL	\$2,000,000	\$2,000,000	\$2,000,000	\$1,500,000	\$1,500,000	\$9,000,000	\$0	\$5,497,046	\$14,497,046
PROJECT COST BY PHASE									
PROJECT COST BY PHASE						IMPACT ON OPERATING COST (+-)			
Project Phasing		Estimated Time		Estimated Cost					
Description		From	To			Salaries, Wages, Benefits			
						Operating Costs			
						Other Capital Costs			
						Total Annual Operating Costs:			
						SOURCE:			
						Total Annual Income			

TYPE OF SERVICE:	Economic Development	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE
DEPARTMENT:	ECONOMIC DEVELOPMENT	17-CRA-005	Parramore Housing Initiative							CRA0007_P	57
DIVISION:	COMMUNITY REDEVELOPMENT AGE	PRIORITY:									
PROBLEM IDENTIFICATION OR NEED:											
Insufficient housing units in Parramore.											
PROJECT RANKING											
Department Rating 0 .											
CIE Requirement											
CONTACT: Walter Hawkins 246-3190											
REMARKS											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
Increase housing through support for the development of multi-family and single-family residences.											
SERVICE AREA											
DOWNTOWN											
LOCATION											
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
1250	\$2,800,000	\$1,500,000	\$1,500,000	\$1,000,000	\$1,000,000	\$7,800,000	\$0	\$2,000,000	\$9,800,000		
ALL	\$2,800,000	\$1,500,000	\$1,500,000	\$1,000,000	\$1,000,000	\$7,800,000	\$0	\$2,000,000	\$9,800,000		
PROJECT COST BY PHASE											
IMPACT ON OPERATING COST (+-)											
Project Phasing			Estimated Time		Estimated Cost						
Description			From	To							
					Salaries, Wages, Benefits						
					Operating Costs						
					Other Capital Costs						
					Total Annual Operating Costs:						
					SOURCE:						
					Total Annual Income						

TYPE OF SERVICE:	Economic Development	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE
DEPARTMENT:	BUSINESS & FINANCIAL SVCS.	19-FIN-001	Southeast Projects								
DIVISION:	CHIEF FINANCIAL OFFICER	PRIORITY: Future Need/Planned Expansion									
PROBLEM IDENTIFICATION OR NEED:										PROJECT RANKING Department Rating 4 . CIE Requirement	
Fund will be used to reimburse the developer of Lake Nona for the construction of Narcoossee roadways. A total of \$13 million has been allocated for the project as growth progresses.											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
										CONTACT: Martin Carmody	
										REMARKS	
										SERVICE AREA	
										LOCATION	
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
3001	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,000,000	\$5,749,978	\$2,250,022	\$13,000,000		
ALL	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,000,000	\$5,749,978	\$2,250,022	\$13,000,000		
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)						
Project Phasing		Estimated Time		Estimated Cost							
Description		From	To								
					Salaries, Wages, Benefits						
					Operating Costs						
					Other Capital Costs						
					Total Annual Operating Costs:						
					SOURCE:						
					Total Annual Income						

TYPE OF SERVICE:	Economic Development	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE
DEPARTMENT:	ECONOMIC DEVELOPMENT	18-CRA-002	Streetscape Improvements							CRA00xx_P	59
DIVISION:	COMMUNITY REDEVELOPMENT AGE	PRIORITY:									
PROBLEM IDENTIFICATION OR NEED:											
Major damage existing on sidewalks both concrete and paver.											
PROJECT RANKING											
Department Rating .											
CIE Requirement											
CONTACT: Mercedes Blanca 246-3625											
REMARKS											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
Utilizing Clean Team and outside vendor, tackle problem areas in order of importance/priority											
SERVICE AREA											
DOWNTOWN											
LOCATION											
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
1250	\$275,000	\$125,000	\$100,000	\$50,000	\$50,000	\$600,000	\$0	\$175,000	\$775,000		
ALL	\$275,000	\$125,000	\$100,000	\$50,000	\$50,000	\$600,000	\$0	\$175,000	\$775,000		
PROJECT COST BY PHASE											
IMPACT ON OPERATING COST (+-)											
Project Phasing			Estimated Time		Estimated Cost						
Description			From	To							
					Salaries, Wages, Benefits						
					Operating Costs						
					Other Capital Costs						
					Total Annual Operating Costs:						
					SOURCE:						
					Total Annual Income						

TYPE OF SERVICE:	Economic Development	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE
DEPARTMENT:	ECONOMIC DEVELOPMENT	18-CRA-001	Under I Design							CRA0019_P	60
DIVISION:	COMMUNITY REDEVELOPMENT AGE	PRIORITY:									
PROBLEM IDENTIFICATION OR NEED:											
Implementation of various initiatives and projects identified in the Project DTO Vision Plan. Multi-year project.											
PROJECT RANKING											
Department Rating 0 .											
CIE Requirement											
CONTACT: David Barilla 246-3703											
REMARKS											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
Multi-year funding will be required to implement various projects and initiatives identified in the Project DTO Vision Plan. Projects will be short, mid, and long-term in nature. Future funding needs to be better estimated once an implementation strategy is complete											
SERVICE AREA											
DOWNTOWN											
LOCATION											
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
1250	\$750,000	\$750,000	\$750,000	\$1,000,000	\$1,000,000	\$4,250,000	\$0	\$1,500,000	\$5,750,000		
ALL	\$750,000	\$750,000	\$750,000	\$1,000,000	\$1,000,000	\$4,250,000	\$0	\$1,500,000	\$5,750,000		
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)						
Project Phasing		Estimated Time		Estimated Cost							
Description		From	To								
				Salaries, Wages, Benefits							
				Operating Costs							
				Other Capital Costs							
				Total Annual Operating Costs:							
				SOURCE:							
				Total Annual Income							

TYPE OF SERVICE:	Economic Development	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # DDB0006_P	PAGE 61
DEPARTMENT:	ECONOMIC DEVELOPMENT	16-DDB-001	Welcome Center Upgrades		
DIVISION:	DOWNTOWN DEVELOPMENT BOARD	PRIORITY:			

PROBLEM IDENTIFICATION OR NEED:

Updates to the existing Downtown Orlando Information Center as well as new space acquired for the center.

PROJECT RANKING

Department Rating 0.
CIE Requirement

CONTACT: Mercedes Blanca 246-3625

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Various technology updates and preparation for the addition of services.

SERVICE AREA

DOWNTOWN

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4190	\$325,000	\$0	\$0	\$0	\$0	\$325,000	\$0	\$100,000	\$425,000
ALL	\$325,000	\$0	\$0	\$0	\$0	\$325,000	\$0	\$100,000	\$425,000

PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs: SOURCE: Total Annual Income
Description	From	To		

THIS PAGE LEFT INTENTIONALLY BLANK



THIS PAGE LEFT INTENTIONALLY BLANK

CITY OF ORLANDO
2016-2021 CAPITAL IMPROVEMENT PROGRAM
Listing For General Government

PROJECT NAME	PROJECT	D PR	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE_YEAR	PRIOR	FUTURE	TOTAL CIE
Digital City Hall Phase II	19-TMD-001	2.	175,000	181,904	0	0	0	356,904	0	0	356,904
Enterprise Document Management	16-TMD-001	2.4	0	7,000,000	0	0	0	7,000,000	0	0	7,000,000
Information Technology Enhanceme	09-TMD-001	2.1	1,200,000	550,000	559,501	0	0	2,309,501	13,560,000	22,344,356	38,213,857 N
Information Technology Security Me	18-TMD-006	2.4	400,000	0	0	0	0	400,000	0	0	400,000
Phone System Upgrade	18-TMD-001	1.4	0	429,000	50,000	0	0	479,000	0	0	479,000
Real Estate Acquisition	16-REM-001	4.3	1,063,386	1,000,000	1,000,000	1,000,000	1,000,000	5,063,386	0	0	5,063,386
Sign and Signal Shop Facility Improv	19-TRE-001	1.	0	600,000	0	0	0	600,000	0	0	600,000
TOTAL			\$2,838,386	\$9,760,904	\$1,609,501	\$1,000,000	\$1,000,000	\$16,208,791	\$13,560,000	\$22,344,356	\$52,113,147

TYPE OF SERVICE:	General Government	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE
DEPARTMENT:	BUSINESS & FINANCIAL SVCS.	19-TMD-001	Digital City Hall Phase II							TMD0002_P	65
DIVISION:	TECHNOLOGY MANAGEMENT	PRIORITY: Existing Deficiency									
PROBLEM IDENTIFICATION OR NEED:											
Continued efforts toward Digital City Hall											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
Estimated Amount: \$356,904 over 2 years											
FY2018/19: \$175,000 FY2019/20: \$181,904											
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
3001	\$175,000	\$181,904	\$0	\$0	\$0	\$356,904	\$0	\$0	\$356,904		
ALL	\$175,000	\$181,904	\$0	\$0	\$0	\$356,904	\$0	\$0	\$356,904		
PROJECT COST BY PHASE											
IMPACT ON OPERATING COST (+-)											
Project Phasing			Estimated Time		Estimated Cost						
Description			From	To							
					Salaries, Wages, Benefits						
					Operating Costs						
					Other Capital Costs						
					Total Annual Operating Costs:						
					SOURCE:						
					Total Annual Income						
PROJECT RANKING											
Department Rating 2 .											
CIE Requirement											
CONTACT: Rosa Akhtarkhava 246-2124											
REMARKS											
SERVICE AREA											
CITYWIDE											
LOCATION											

TYPE OF SERVICE:	General Government	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE 66
DEPARTMENT:	BUSINESS & FINANCIAL SVCS.	16-TMD-001	Enterprise Document Management		
DIVISION:	TECHNOLOGY MANAGEMENT	PRIORITY: Existing Deficiency			

PROBLEM IDENTIFICATION OR NEED:

With the new Economic Development Information System and the City's increased focus on Open Data Portals a Document Management Solution needs to be developed.

PROJECT RANKING

Department Rating 2 . 4
CIE Requirement

CONTACT: Rosa Akhtarkhava 246-2124

REMARKS

The project was originally named "Technology Management Enhancement Projects". The name was changed in the FY18 capital plan.

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

The project will consist of the design and implementation of a system that allows users to interact with City information easily and without additional hardware and software programs.

Projects of this type can range in cost from \$3 million to \$15 million depending on the depth of product specifications and user requirements.

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
3001	\$0	\$7,000,000	\$0	\$0	\$0	\$7,000,000	\$0	\$0	\$7,000,000
ALL	\$0	\$7,000,000	\$0	\$0	\$0	\$7,000,000	\$0	\$0	\$7,000,000

PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs: SOURCE: Total Annual Income
Description	From	To		



TYPE OF SERVICE:	General Government	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # TMD0003_P	PAGE 67
DEPARTMENT:	BUSINESS & FINANCIAL SVCS.	09-TMD-001	Information Technology Enhancements		
DIVISION:	TECHNOLOGY MANAGEMENT	PRIORITY:	Existing Deficiency		

PROBLEM IDENTIFICATION OR NEED:

Enterprise-level funding to acquire, upgrade and improve the City's overall Information Technology infrastructure. Includes hardware, software, implementation services, and external support services involving information systems, networks and applications for internal operations and external communications

PROJECT RANKING

Department Rating 2 . 1
CIE Requirement N

CONTACT: Rosa Akhtarkhava 246-2124

REMARKS

Formerly named Technology Management Enhancement Projects; changed in FY18 capital plan. Items to be replaced each year within budgeted allotment to be determined by the Chief Information Officer.

Projects identified were approved based on prioritization; however, are subject to change if deemed necessary by city staff.

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Detailed listing of anticipated projects in FY2018/2019 below:

Microsoft Datacenter 2016 for OOC location ☐ \$48,000; Kronos upgrade - \$30,000; Enterprise Software Testing Tool ☐ \$50,000 ; Internet Firewalls ☐ \$220,169; Large Media Storage ☐ \$89,000; IT Lab ☐ \$55,918; Cisco Switch Replacement ☐ \$500,000; SAN Expansion ☐ \$75,000; OpenDNS ☐ \$80,000; PRTG integration with ITSM ☐ \$25,000

Total: \$1,178,087
CIP Amount: \$1,200,000

Detailed listing of anticipated projects in FY2019/2020 below:

Cisco Switch Replacement - \$500,000; Video Conference Expansion - \$50,000

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
3001	\$1,200,000	\$550,000	\$559,501	\$0	\$0	\$2,309,501	\$22,344,356	\$13,560,000	\$38,213,857
ALL	\$1,200,000	\$550,000	\$559,501	\$0	\$0	\$2,309,501	\$22,344,356	\$13,560,000	\$38,213,857



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs:
Description	From	To		
				SOURCE: Total Annual Income

TYPE OF SERVICE:	General Government	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # TMD0006_P	PAGE 68
DEPARTMENT:	BUSINESS & FINANCIAL SVCS.	18-TMD-006	Information Technology Security Measures		
DIVISION:	TECHNOLOGY MANAGEMENT	PRIORITY: Existing Deficiency			

PROBLEM IDENTIFICATION OR NEED:

Enterprise-level funding to acquire, upgrade, and improve the City's Information Technology Security systems. Includes hardware, software, and external services to assess and enhance physical and data access controls, to monitor critical operations, and to develop/maintain business continuity/recovery capabilities. Priorities and emphases include risk management, threat detection/mitigation, and Public Safety.

PROJECT RANKING

Department Rating 2 . 4
CIE Requirement

CONTACT: Rosa Akhtarkhava 246-2124

REMARKS

Projects identified were approved based on prioritization; however, are subject to change if deemed necessary by city staff.

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Detailed listing of anticipated projects in FY2018/2019:

Microsoft Azure Information Protection ☐ \$67,000; Microsoft Advance Threat Protection ☐ \$67,000; LogRhythm Hardware Addition ☐ \$54,035; Threat Protection Software ☐ \$170,000

Total: \$358,035
CIP Amount: \$400,000

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
3001	\$400,000	\$0	\$0	\$0	\$0	\$400,000	\$0	\$0	\$400,000
ALL	\$400,000	\$0	\$0	\$0	\$0	\$400,000	\$0	\$0	\$400,000

PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	Salaries, Wages, Benefits
Description	From	To		
				Other Capital Costs
				Total Annual Operating Costs:
				SOURCE:
				Total Annual Income



TYPE OF SERVICE:	General Government	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # TMD0001_P	PAGE 69
DEPARTMENT:	BUSINESS & FINANCIAL SVCS.	18-TMD-001	Phone System Upgrade		
DIVISION:	TECHNOLOGY MANAGEMENT	PRIORITY: Critical Deficiency			

PROBLEM IDENTIFICATION OR NEED:

Enterprise-level funding to facilitate life-cycle upgrades and replacements of internal telephone system components. Includes hardware, software, and implementation services.

PROJECT RANKING

Department Rating 1 . 4
CIE Requirement

CONTACT: Rosa Akhtarkhava 246-2124

REMARKS

Total estimated cost was \$577,750; however, request reduced to \$429,000 as \$110,000 of cost will be allocated to other funds based off proportional number of phones.

Projects identified were approved based on prioritization; however, are subject to change if deemed necessary by city staff.

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Detailed listing of anticipated projects in FY2019/2020 below:
Phone System Replacement - \$390,000; Fire Department Phones - \$39,000

Fund/Phone Count/% of Phone Lines/Cost Allocated

1110_F/126/5.0%/\$25,000; 1155_F/24/1.0%/\$5,000; 1200_F/14/1.0%/\$5,000; 1250_F/13/1.0%/\$5,000; 4003_F/23/1.0%/\$5,000;
4100_F/154/6.0%/\$30,000; 4132_F/38/2.0%/\$10,000; 4150_F/28/1.0%/\$5,000; 4160_F/22/1.0%/\$5,000; 5001_F/22/1.0%/\$5,000;
5015_F/16/1.0%/\$5,000 5020_F/31/1.0%/\$5,000

Detailed listing of anticipated projects in FY2019/2020 below:
Call Center Replacement - \$50,000

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
3001	\$0	\$429,000	\$50,000	\$0	\$0	\$479,000	\$0	\$0	\$479,000
ALL	\$0	\$429,000	\$50,000	\$0	\$0	\$479,000	\$0	\$0	\$479,000



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs:
Description	From	To		
				SOURCE: Total Annual Income

TYPE OF SERVICE:	General Government	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # REM0010_P	PAGE 70
DEPARTMENT:	BUSINESS & FINANCIAL SVCS.	16-REM-001	Real Estate Acquisition		
DIVISION:	REAL ESTATE MGMT.	PRIORITY: Future Need/Planned Expansion			

PROBLEM IDENTIFICATION OR NEED:

Periodically the City needs to take advantage of the real estate market to purchase property in strategic positions throughout the City. This endeavor could carry a significant cost but we need to be able to react quickly to opportunities that are in the best interest of the City.

PROJECT RANKING

Department Rating 4 . 3
CIE Requirement

CONTACT: Laurie Botts 246-2653

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Continue the funding for strategic land acquisitions including costs associated with those purchases such as surveys, title work, and environmental remediation. There is a possibility that in the future land purchases and costs from this funding source could be offset by land sales or transfers of costs to the actual infrastructure and facility project being constructed on the land parcel.

SERVICE AREA

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
3006	\$1,063,386	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,063,386	\$0	\$0	\$5,063,386
ALL	\$1,063,386	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,063,386	\$0	\$0	\$5,063,386

PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs: SOURCE: Total Annual Income
Description	From	To		

TYPE OF SERVICE:	General Government	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE 71
DEPARTMENT:	TRANSPORTATION DEPT.	19-TRE-001	Sign and Signal Shop Facility Improvements								
DIVISION:	TRANS. ENGINEERING	PRIORITY: Critical Deficiency									
PROBLEM IDENTIFICATION OR NEED:										PROJECT RANKING Department Rating 1. CIE Requirement	
The current Sign & Signal Shop on Westmoreland is over 40 years old and is in dire need of upgrades and efficiency renovations. Over the course of 10 years, facility expenses have totalled \$310,747 for work order and preventative maintenance.											
CONTACT: Chris Cairns 2703											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):										REMARKS	
Update the existing structure, or replace structure, depending on Facilities recommendation. At minimum, update the existing structure for energy efficiency and modernization, increase security by installing an electronic gate, upgrade parking lot, add women's locker area to existing restroom...etc.										SERVICE AREA	
An assessment will be conducted in FY19, funded by Facilities. The funding requested for FY20 would be for construction / renovation costs.											
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total	LOCATION	
3001	\$0	\$600,000	\$0	\$0	\$0	\$600,000	\$0	\$0	\$600,000		
ALL	\$0	\$600,000	\$0	\$0	\$0	\$600,000	\$0	\$0	\$600,000		
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)						
Project Phasing		Estimated Time		Estimated Cost							
Description		From	To								
				Salaries, Wages, Benefits							
				Operating Costs							
				Other Capital Costs							
				Total Annual Operating Costs:							
				SOURCE:							
				Total Annual Income							



THIS PAGE LEFT INTENTIONALLY BLANK

CITY OF ORLANDO
2019-2023 CAPITAL IMPROVEMENT PROGRAM
Listing For Public Safety

PROJECT NAME	PROJECT	D PR	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE_YEAR	PRIOR	FUTURE	TOTAL CIE
Dedicated Special Event Equipment	19-OFR-002	2.	0	100,000	0	0	0	100,000	0	0	100,000
Fire Equipment Replacement	05-OFR-001	1.1	1,200,000	1,200,000	1,300,000	1,300,000	1,300,000	6,300,000	2,200,000	4,800,000	13,300,000 N
Fire Training and Admin Facility - Ph	17-OFR-003	4.	0	5,000,000	0	0	0	5,000,000	0	0	5,000,000
IRIS Cameras	19-OPD-003	3.	0	150,000	150,000	150,000	0	450,000	0	0	450,000
North Employee Parking Lot	19-OPD-005	5.	250,000	0	0	0	0	250,000	0	0	250,000
OPD Mutual Aid 8TAC94 Infrastructu	19-OPD-004	4.	187,500	187,500	0	0	0	375,000	0	0	375,000
Police Equipment Replacement	19-OPD-001	1.	1,300,000	1,300,000	1,300,000	1,300,000	1,300,000	6,500,000	0	0	6,500,000
Replacement Radios for Special Eve	19-OFR-001	2.	280,000	0	0	0	0	280,000	0	0	280,000
Uniform Patrol Rifles	19-OPD-002	2.	1,400,000	0	0	0	0	1,400,000	0	0	1,400,000
TOTAL			\$4,617,500	\$7,937,500	\$2,750,000	\$2,750,000	\$2,600,000	\$20,655,000	\$2,200,000	\$4,800,000	\$27,655,000

TYPE OF SERVICE:	Public Safety	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE				
DEPARTMENT:	FIRE DEPARTMENT	19-OFR-002	Dedicated Special Event Equipment						
DIVISION:	FIRE-RESCUE OPERATIONS	PRIORITY: Existing Deficiency	TBD			74			
PROBLEM IDENTIFICATION OR NEED:				PROJECT RANKING					
<p>As the volume of events continues to increase in Orlando, it is necessary to expand our Special Event footprint, including equipment for and access to events. As OPD is working to place bollards around areas of high volume in and around downtown, it will continue to diminish the Fire Department's ability to access those areas. Much like the bike team expansion that has taken place in the last few years, OFD needs to be able to quickly access patients in narrow areas, such as sidewalks and between bollards. This increase in activity also fuels the need for a Special Event vehicle that can load equipment and distribute to various events and locations. Currently, this equipment is picked up and dropped off via personal vehicles and depending on the number of events taking place, may go from one event to another in a single day. Transporting this equipment in a dedicated vehicle is essential to the health and safety of our personnel as equipment may be returned contaminated with various bodily fluids depending on what it comes in contact with.</p>				Department Rating 2 . CIE Requirement					
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):				CONTACT: Tysha Resnick 4072463131					
<p>OFD would like to purchase 3-4 emergency access mules for use during Special Events where access is severely restricted and large vehicles cannot get through. OFD would also like to purchase a dedicated cargo van for distribution to/from events.</p> <p>Estimated Cost of Cargo Van: \$30,830 Estimated Cost of Emergency Access Vehicles (\$11,730 for 1): \$46,920 for 4</p> <p>Total: \$100,000</p>				REMARKS					
				SERVICE AREA					
				LOCATION					
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR									
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
3001	\$0	\$100,000	\$0	\$0	\$0	\$100,000	\$0	\$0	\$100,000
ALL	\$0	\$100,000	\$0	\$0	\$0	\$100,000	\$0	\$0	\$100,000
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)				
Project Phasing		Estimated Time		Estimated Cost					
Description		From	To			Salaries, Wages, Benefits			
						Operating Costs			
						Other Capital Costs			
						Total Annual Operating Costs:			
						SOURCE:			
						Total Annual Income			

TYPE OF SERVICE:	Public Safety	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE
DEPARTMENT:	FIRE DEPARTMENT	05-OFR-001	Fire Equipment Replacement		
DIVISION:	FIRE ADMINISTRATION	PRIORITY: Critical Deficiency			

OFR0001_P 75

PROBLEM IDENTIFICATION OR NEED:

Large equipment items, including bunker gear, air packs and bottles, portable/mobile radios, and other equipment for emergency deployment need to be replaced on rotation, based on their expected life cycle. The use of outdated equipment can expose Fire Department personnel and the City to unnecessary liability issues.

PROJECT RANKING

Department Rating 1. 1
CIE Requirement N

CONTACT: Tysha Resnick 4072463131

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Provide an annual source of funding to accomplish these equipment replacements. Items to be replaced each year within budgeted allotment to be determined by the Fire Chief.

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
3001	\$1,200,000	\$1,200,000	\$1,300,000	\$1,300,000	\$1,300,000	\$6,300,000	\$4,800,000	\$2,200,000	\$13,300,000
ALL	\$1,200,000	\$1,200,000	\$1,300,000	\$1,300,000	\$1,300,000	\$6,300,000	\$4,800,000	\$2,200,000	\$13,300,000



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost
Description	From	To	
			Salaries, Wages, Benefits
			Operating Costs
			Other Capital Costs
			Total Annual Operating Costs:
			SOURCE:
			Total Annual Income

TYPE OF SERVICE:	Public Safety	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE
DEPARTMENT:	FIRE DEPARTMENT	17-OFR-003	Fire Training and Admin Facility - Phase II							TBD	76
DIVISION:	FIRE-RESCUE OPERATIONS	PRIORITY: Future Need/Planned Expansion									
PROBLEM IDENTIFICATION OR NEED:											
Fire Training, Fire Supply, and Emergency Medical Services (EMS) are currently housed in three separate buildings. Fire Administration is on top of Fire Station 1, in the heart of downtown. Fire training is currently located at Primrose (FPR) and this has caused citizen complaints in the past about the curb appeal. Additionally, FPR has needs for expansion.											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
Consolidate Fire Training, Fire Supply, and Fire Administration in the same building in order to make organizational and communication efforts more efficient. City has already purchased the land required for this facility (near OPD Training Facility) and would now like to move forward with solicitation of architectural drawings/conceptual renderings and cost analysis of a two story structure to accommodate classrooms, conference rooms, offices, loading dock, storage and auditorium.											
Estimated Cost of Fire Training and Administration Facility <input type="checkbox"/> Phase II (Administration – 1-3 years to start project): \$5M <input type="checkbox"/> Phase III (Training / EMS – 3-5 years to start project): \$15M											
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
3001	\$0	\$5,000,000	\$0	\$0	\$0	\$5,000,000	\$0	\$0	\$5,000,000		
ALL	\$0	\$5,000,000	\$0	\$0	\$0	\$5,000,000	\$0	\$0	\$5,000,000		
PROJECT COST BY PHASE											
IMPACT ON OPERATING COST (+-)											
Project Phasing		Estimated Time		Estimated Cost							
Description		From	To								
				Salaries, Wages, Benefits							
				Operating Costs							
				Other Capital Costs							
				Total Annual Operating Costs:							
				SOURCE:							
				Total Annual Income							

PROJECT RANKING	
Department Rating	4 .
CIE Requirement	
CONTACT: Tysha Resnick	4072463131
REMARKS	
SERVICE AREA	
AZALEA PARK	
LOCATION	

TYPE OF SERVICE:	Public Safety	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE 77
DEPARTMENT:	POLICE DEPARTMENT	19-OPD-003	IRIS Cameras								
DIVISION:	POLICE ADMINISTRATIVE SERVICES	PRIORITY: Repair / Replacement									
PROBLEM IDENTIFICATION OR NEED:										PROJECT RANKING Department Rating 3. CIE Requirement	
<p>The IRIS Cameras are outdated and are running on old technology. The majority of these cameras were purchased over 10 years ago and many of them are need of repair. This CIP will give the agency the ability to replace the older cameras in phases.</p> <p>This is a deviation from the original agreement from Chief Mina, which was that this project would be included in the regular equipment replacement. However, they have prioritized the equipment replacement and this is not included.</p>											
CONTACT: Deputy Chief Mark 4072462465											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):										REMARKS	
To replace the outdated failing cameras.										SERVICE AREA	
										CITYWIDE	
										LOCATION	
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
3001	\$0	\$150,000	\$150,000	\$150,000	\$150,000	\$600,000	\$0	\$0	\$600,000		
ALL	\$0	\$150,000	\$150,000	\$150,000	\$150,000	\$600,000	\$0	\$0	\$600,000		
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)						
Project Phasing		Estimated Time		Estimated Cost							
Description		From	To								
Equipment Purchase					Salaries, Wages, Benefits \$0						
					Operating Costs						
					Other Capital Costs						
					Total Annual Operating Costs:						
					SOURCE:						
					Total Annual Income						

TYPE OF SERVICE:	Public Safety	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE 78				
DEPARTMENT:	POLICE DEPARTMENT	19-OPD-005	North Employee Parking Lot						
DIVISION:	POLICE ADMINISTRATIVE SERVICES	PRIORITY: Existing Deficiency							
PROBLEM IDENTIFICATION OR NEED:				PROJECT RANKING					
Orlando Police Headquarters is experiencing parking issues at the employee parking lot. We are running out of parking spaces. The parking lot size is too small to accommodate the large number of employees and events at OPH.				Department Rating 5 .					
The cost requested includes the engineering/ design costs associated with the lot. They would determine the scope of work and whether or not there would be additional stormwater or other environmental costs.				CIE Requirement					
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):				CONTACT: Deputy Chief Mark 4072462465					
We recommend paving a large grassy area located on the North/East of the employee parking lot. This will provide additional 25 parking spaces.				REMARKS					
				SERVICE AREA					
				Poilce Headquarters					
				LOCATION					
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR									
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
3001	\$250,000	\$0	\$0	\$0	\$0	\$250,000	\$0	\$0	\$250,000
ALL	\$250,000	\$0	\$0	\$0	\$0	\$250,000	\$0	\$0	\$250,000
PROJECT COST BY PHASE									
IMPACT ON OPERATING COST (+-)									
Project Phasing			Estimated Time		Estimated Cost				
Description			From	To					
Employee Parking Expansion					Salaries, Wages, Benefits \$0				
					Operating Costs				
					Other Capital Costs				
					Total Annual Operating Costs:				
					SOURCE:				
					Total Annual Income				

TYPE OF SERVICE:	Public Safety	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE 79
DEPARTMENT:	POLICE DEPARTMENT	19-OPD-004	OPD Mutual Aid 8TAC94 Infrastructure Replacement								
DIVISION:	POLICE ADMINISTRATIVE SERVICES	PRIORITY: Repair / Replacement									
PROBLEM IDENTIFICATION OR NEED:										PROJECT RANKING Department Rating 4 . CIE Requirement	
The current equipment used for the Mutual Aid TG 8TAC94 is outdated and the equipment is past the end of life cycle. If service or replacement is needed, parts may not be available and emergency funding will be required to fix.											
Essentially the 8TAC94 is a Radio Frequency Repeater at each radio site that allows different law enforcement agencies to communicate with one another without disrupting regular OPD radio traffic. The repeaters at the sites are no longer supported by Motorola											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):										CONTACT: Deputy Chief Mark 4072462465	
Replace infrastructure at all sites that maintain 8TAC94. These sites are, WTP, Pershing, GOAA, Clarcona and Courthouse.										REMARKS	
										SERVICE AREA	
										CITYWIDE	
										LOCATION	
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
3001	\$187,500	\$187,500	\$0	\$0	\$0	\$375,000	\$0	\$0	\$375,000		
ALL	\$187,500	\$187,500	\$0	\$0	\$0	\$375,000	\$0	\$0	\$375,000		
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)						
Project Phasing		Estimated Time		Estimated Cost							
Description		From	To								
Equipment Replacement				Salaries, Wages, Benefits \$0							
				Operating Costs							
				Other Capital Costs							
				Total Annual Operating Costs:							
				SOURCE:							
				Total Annual Income							

TYPE OF SERVICE:	Public Safety	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE 80
DEPARTMENT:	POLICE DEPARTMENT	19-OPD-001	Police Equipment Replacement		
DIVISION:	POLICE ADMINISTRATION	PRIORITY: Repair / Replacement			

PROBLEM IDENTIFICATION OR NEED:

Currently, OPD has no operating budget for required equipment replacement. Included in this project are items such as Tasers, flashlights, mandatory wear protective vests, police radios. Some of this equipment, such as protective vests and radios are life saving and mandatory equipment that must be replaced on a schedule, every 3 years for vests and every 5 years for radios.

PROJECT RANKING

Department Rating 1 .
CIE Requirement

CONTACT: Lilian Draisin 4072462504

REMARKS

These mandatory replacements are critical needs.

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

If an addition to the budget is not made, OPD will need CIP funding for this critical use equipment.

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
3001	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	\$6,500,000	\$0	\$0	\$6,500,000
ALL	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	\$6,500,000	\$0	\$0	\$6,500,000

PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	
Description	From	To		
Equipment Purchase				Salaries, Wages, Benefits \$0
				Operating Costs
				Other Capital Costs
				Total Annual Operating Costs:
				SOURCE:
				Total Annual Income

TYPE OF SERVICE:	Public Safety	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE
DEPARTMENT:	FIRE DEPARTMENT	19-OFR-001	Replacement Radios for Special Events		
DIVISION:	FIRE-RESCUE OPERATIONS	PRIORITY: Existing Deficiency			

OFR0009_P 81

PROBLEM IDENTIFICATION OR NEED:

Existing special event radios are already past their useful life expectancy and the current number dedicated for these endeavors are not adequate to cover multiple events simultaneously.

PROJECT RANKING

Department Rating 2 .
CIE Requirement
CONTACT: Tysha Resnick 4072463131

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

OFD would like to order 50 replacement radios and 20 additional radios (70 total at \$4,000 each) for Special Event specific use, in order to upgrade to the cache currently on hand and cover logistical needs.

Estimated Cost of Replacement Radios: \$280,000

SERVICE AREA

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
3001	\$280,000	\$0	\$0	\$0	\$0	\$280,000	\$0	\$0	\$280,000
ALL	\$280,000	\$0	\$0	\$0	\$0	\$280,000	\$0	\$0	\$280,000



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs:
Description	From	To		
				SOURCE: Total Annual Income

TYPE OF SERVICE:	Public Safety	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE 82
DEPARTMENT:	POLICE DEPARTMENT	19-OPD-002	Uniform Patrol Rifles								
DIVISION:	POLICE PATROL SERVICES	PRIORITY: Existing Deficiency									
PROBLEM IDENTIFICATION OR NEED:										PROJECT RANKING Department Rating 2. CIE Requirement CONTACT: Deputy Chief Orla 4072462405 REMARKS The cost per rifle is \$1,843, which includes optic, sling, sling attachments, and magazines.	
Current inventory of patrol rifles is not sufficient to outfit all uniform patrol officers. The current rifles also lack available equipment that enhance shooting accuracy. Some of the officers that responded to the Pulse Tragedy were not equipped with Patrol Rifles. Current national and international incidents highlight the need for this type of equipment for a better law enforcement response.											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
The purchase of patrol rifles is recommended for all sworn members. This cost is substantial (\$1,400,000 estimate). The immediate need is for officers assigned to Uniform Patrol. Therefore, this request is for a 3-4 year plan to purchase new Patrol Rifles. Priority will be given to Uniform Patrol Officers, or approximately \$500,000, for the initial purchase.										SERVICE AREA CITYWIDE LOCATION	
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/222		FIVE YR	LATER	PRIOR	Total		
3001	\$1,400,000	\$0	\$0	\$0	\$0	\$1,400,000	\$0	\$0	\$1,400,000		
ALL	\$1,400,000	\$0	\$0	\$0	\$0	\$1,400,000	\$0	\$0	\$1,400,000		
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)						
Project Phasing		Estimated Time		Estimated Cost							
Description		From	To								
Equipment Purchase					Salaries, Wages, Benefits \$0						
					Operating Costs						
					Other Capital Costs						
					Total Annual Operating Costs:						
					SOURCE:						
					Total Annual Income						



THIS PAGE LEFT INTENTIONALLY BLANK

CITY OF ORLANDO
2019-2023 CAPITAL IMPROVEMENT PROGRAM
Listing For Recreation & Culture

PROJECT NAME	PROJECT D PR	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE_YEAR	PRIOR	FUTURE	TOTAL CIE		
Amway Center Repair and Replacem	18-VEN-001	1.99	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000	1,000,000	0	6,000,000	N
Athletic Field Maintenance	16-FPR-003	2.	591,000	330,000	330,000	330,000	330,000	1,911,000	0	0	1,911,000	
Bob Carr	16-FAC-021	2.	0	3,500,000	0	0	0	3,500,000	465,462	0	3,965,462	N
DPAC R&R Contribution	15-PAC-036	3.3	1,738,911	1,791,078	1,844,811	1,900,155	1,957,160	9,232,115	1,688,263	0	10,920,378	N
Dubsdread Clubhouse Improvement	16-DUB-001	3.	0	0	0	150,000	0	150,000	94,000	0	244,000	
Dubsdread Course/Grounds Mainten	16-DUB-003	2.	0	200,000	200,000	0	0	400,000	478,794	0	878,794	
Dubsdread Equipment	16-DUB-002	3.	150,000	0	0	0	150,000	300,000	221,000	0	521,000	
Magic Grill Concept Conversion & R	16-VEN-001	4.5	0	500,000	0	0	0	500,000	0	0	500,000	N
Mennello Museum Lighting Replace	16-LEU-001	1.1	200,000	0	0	0	0	200,000	0	0	200,000	N
Parking Enhancement at Leu Garde	15-LEU-001	2.2	500,000	0	0	0	0	500,000	0	0	500,000	N
Parks and Playground Renovation Pr	10-731-019	2.2	1,220,000	750,000	1,330,000	1,550,000	1,630,000	6,480,000	0	0	6,480,000	Y
Recreation Facility Renovations and	FRP	1.1	1,095,000	830,000	830,000	830,000	830,000	4,415,000	0	0	4,415,000	
Recreation Pools & Courts	16-FPR-006	2.	240,000	240,000	240,000	240,000	240,000	1,200,000	557,500	0	1,757,500	
Signature Park Renovtions	19-PKS-002	2.	0	1,150,000	1,200,000	650,000	250,000	3,250,000	0	0	3,250,000	
Terrace Level Quad C Buildout in A	14-VEN-002	4.4	0	1,000,000	0	0	0	1,000,000	0	0	1,000,000	N
Tree Removal at Leu Gardens	14-LEU-001	1.3	0	100,000	0	0	0	100,000	150,000	0	250,000	N
TOTAL			\$6,734,911	\$11,391,078	\$6,974,811	\$6,650,155	\$6,387,160	\$38,138,115	\$4,655,019	\$0	\$42,793,134	

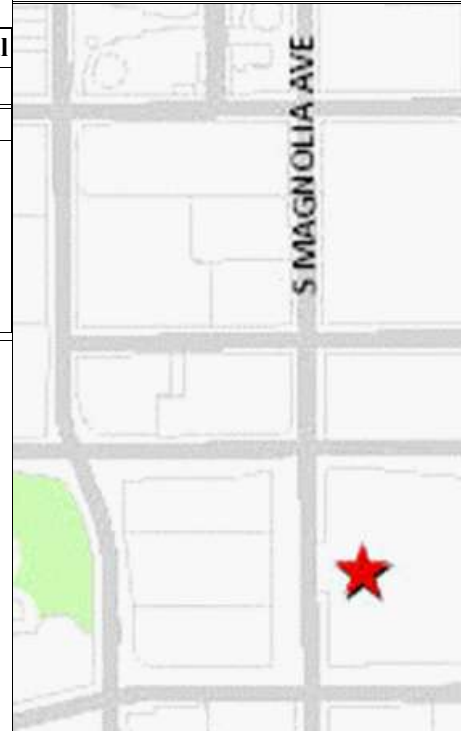
TYPE OF SERVICE:	Recreation & Culture	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE 85
DEPARTMENT:	ORLANDO VENUES DEPARTMENT	18-VEN-001	Amway Center Repair and Replacement								
DIVISION:	ORLANDO VENUES	PRIORITY: Critical Deficiency									
PROBLEM IDENTIFICATION OR NEED:										PROJECT RANKING Department Rating 1 . 99 CIE Requirement N CONTACT: Eric Hutcherson 4074407050 REMARKS	
Amway Center Repair and Replacement											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
										SERVICE AREA	
										DOWNTOWN	
										LOCATION	
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
4002	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000		
ALL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000		
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)						
Project Phasing		Estimated Time		Estimated Cost							
Description		From	To								
				Salaries, Wages, Benefits							
				Operating Costs							
				Other Capital Costs							
				Total Annual Operating Costs:							
				SOURCE:							
				Total Annual Income							

TYPE OF SERVICE: Recreation & Culture		PROJECT NUMBER		PROJECT NAME:		FINANCIAL PROJECT #		PAGE	
DEPARTMENT: FAMILIES, PARKS, RECREATION		16-FPR-003		Athletic Field Maintenance		REC0006_P		86	
DIVISION: RECREATION		PRIORITY: Repair / Replacement							
PROBLEM IDENTIFICATION OR NEED:						PROJECT RANKING			
On-going usage at our Athletic fields require on-going repairs and replacements as well as preventative maintenance. Plans include: -(18/19) Emory Hamilton Sports Complex, all four multipurpose fields, including irrigation and sidewalks -(19/20) Southport Community Park and Fields - all six fields resoded, two fields resoded at Airport Lakes plus fencing of one field at Airport Lakes -(20/21) Eagles Nest Park renovated including Cricket field, both basebaall resoded, all four Blue Jacket resoded -(21/22) Resod all eight fields at Trotters Park -(22/23) Redos all five fields at Lake Fairview, add lights at Festival Park volleyball lights resod Smioth softball field						Department Rating 2 . CIE Requirement			
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):						CONTACT: Rodney Williams 246-4309			
Continue an on-going renovation and improvement program for athletic fields. This will include repairing fences, resolving drainage issues, apply herbicide treatments, repair and replace goal mouths and replace clay and sand each year.						REMARKS Added \$261,000 for FY18/19 for the one time equipment purchases for the 8 new Lake Nona Ballfields. 3 Trucks (\$25,000 ea.) 2 Painters (\$8,000 ea.) 2 Workman Carts (\$35,000 ea.) 2 Trailers (\$30,000 ea.) 2 Sand Pros (\$20,000 ea.)			
						SERVICE AREA			
						CITYWIDE			
						LOCATION			
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR									
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
3001	\$591,000	\$330,000	\$330,000	\$330,000	\$330,000	\$1,911,000	\$0		
ALL	\$591,000	\$330,000	\$330,000	\$330,000	\$330,000	\$1,911,000	\$0		
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)				
Project Phasing		Estimated Time		Estimated Cost					
Description		From	To						
Athletic Field Maintenance						Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs:			
						SOURCE: Total Annual Income			

TYPE OF SERVICE:	Recreation & Culture	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # FAC0021_P	PAGE 87				
DEPARTMENT:	BUSINESS & FINANCIAL SVCS.	16-FAC-021	Bob Carr						
DIVISION:	CITYWIDE	PRIORITY:	Existing Deficiency						
PROBLEM IDENTIFICATION OR NEED:				PROJECT RANKING					
Full roof replacement necessary as current roof is nearly 20 years old and incurred further damage due to Hurricane Irma in September 2017.				Department Rating 2 .					
HVAC system replacement necessary as current system components are failing and system only functions at 60% capacity. HVAC system incurred further damage due to Hurricane Irma in September 2017.				CIE Requirement N					
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):				CONTACT: David Dunn					
Full roof replacement estimated at \$1,800,000 (\$975,000 of which was hurricane damage).				REMARKS					
HVAC system replacement estimated at at \$1,700,000.				All of these items are important mechanical and facility needs, and as the theater will be used at least for next several years for the Orlando Philharmonic and many other community groups.					
Total: \$3,500,000				In FY17 this was in the General Government Service Type. In FY18, it is moved to Recreation & Culture Service Type					
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR				SERVICE AREA					
				DOWNTOWN					
				LOCATION					
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
3001	\$0	\$3,500,000	\$0	\$0	\$0	\$3,500,000	\$0	\$465,462	\$3,965,462
ALL	\$0	\$3,500,000	\$0	\$0	\$0	\$3,500,000	\$0	\$465,462	\$3,965,462
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)				
Project Phasing		Estimated Time		Estimated Cost					
Description		From	To						
				Salaries, Wages, Benefits					
				Operating Costs					
				Other Capital Costs					
				Total Annual Operating Costs:					
				SOURCE:					
				Total Annual Income					

TYPE OF SERVICE:	Recreation & Culture	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE
DEPARTMENT:	BUSINESS & FINANCIAL SVCS.	15-PAC-036	DPAC R&R Contribution							PAC0036_P	88
DIVISION:	CITYWIDE	PRIORITY: Repair / Replacement									
PROBLEM IDENTIFICATION OR NEED:											
<p>The Dr. Phillips Performing Arts Center (DPAC) repair and replacement contribution for DPAC fiscal year ending 06/30/19 (FY18-19). This contribution was approved as part of the original Interlocal Agreement approved by City Council on 07/23/07 and was contingent on building occupancy timeframes being met. The City's contract requires deposit of the full amount of \$1.5M annually (adjusted annually by 3%) to a trustee on the first day of DPAC's fiscal year, July 1.</p>											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
3001	\$1,738,911	\$1,791,078	\$1,844,811	\$1,900,155	\$1,957,160	\$9,232,115	\$0	\$1,688,263	\$10,920,378		
ALL	\$1,738,911	\$1,791,078	\$1,844,811	\$1,900,155	\$1,957,160	\$9,232,115	\$0	\$1,688,263	\$10,920,378		
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)						
Project Phasing		Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs: SOURCE: Total Annual Income						
Description		From	To								


PROJECT RANKING	
Department Rating	3 . 3
CIE Requirement	N
CONTACT: Brian Battles	
REMARKS	
SERVICE AREA	
DOWNTOWN	
LOCATION	



TYPE OF SERVICE:	Recreation & Culture	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE
DEPARTMENT:	BUSINESS & FINANCIAL SVCS.	16-DUB-001	Dubsdread Clubhouse Improvements							DUB0004_P	89
DIVISION:	CHIEF FINANCIAL OFFICER	PRIORITY: Repair / Replacement									
PROBLEM IDENTIFICATION OR NEED:											
There are several areas of the Clubhuose and surrounding areas that need improvements. Clubhouse improvements plans should be viewed in tandem with Course/Grounds Maintenance (16-DUB-003, DUB0002_P) and Dubsdread Equipment (16-DUB-0002, DUB003_P).											
PROJECT RANKING											
Department Rating 3 .											
CIE Requirement											
CONTACT: Rodney Reifsnider 506-5948											
REMARKS											
SERVICE AREA											
COLLEGE PARK											
LOCATION											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
FY22 \$150,000											
<ul style="list-style-type: none"> - Carpet and fixtures in Pro-Shop are approximately 13 years old and in need of replacement. FY22 - Current wash areas for maintenance does not meet environmental standards. FY22 - Safety concerns such as corrodng metal handrails and broken curbs creating trip hazards are in need of replacement. FY22 - Renovation of bathrooms and locker rooms. FY22 - Pro-Shop: Replace interior and exterior carpet. Replace counter and update food and beverage point-of-sale fixtures 											
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
0016	\$0	\$0	\$0	\$150,000	\$0	\$150,000	\$0	\$94,000	\$244,000		
ALL	\$0	\$0	\$0	\$150,000	\$0	\$150,000	\$0	\$94,000	\$244,000		
PROJECT COST BY PHASE											
IMPACT ON OPERATING COST (+-)											
Project Phasing			Estimated Time		Estimated Cost						
Description			From	To							
					Salaries, Wages, Benefits						
					Operating Costs						
					Other Capital Costs						
					Total Annual Operating Costs:						
					SOURCE:						
					Total Annual Income						

TYPE OF SERVICE:	Recreation & Culture	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE
DEPARTMENT:	BUSINESS & FINANCIAL SVCS.	16-DUB-003	Dubsdread Course/Grounds Maintenance							DUB0002_P	90
DIVISION:	CHIEF FINANCIAL OFFICER	PRIORITY: Existing Deficiency									
PROBLEM IDENTIFICATION OR NEED:											
On-going maintenance for golf course and surrounding grounds areas. Planns for course maintenance should be viewed in tandem with Clubhouse Improvements (16-DUB-001, DUB0004_P) and Dubsdread Equipment (16-DUB-0003_P).											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
2019/20 - Driving range phase 1. Regrass greens, replace top layer sod and fortify rough and fringe around green. \$200,000											
2020/21 - Driving range phase 2. Maintenance yard improvements and tree work. \$200,000											
2021/22 - Driving range phase 3 (possibly including netting at back of range near marsh.											
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
0016	\$0	\$200,000	\$200,000	\$0	\$0	\$400,000	\$0	\$478,794	\$878,794		
ALL	\$0	\$200,000	\$200,000	\$0	\$0	\$400,000	\$0	\$478,794	\$878,794		
PROJECT COST BY PHASE											
IMPACT ON OPERATING COST (+-)											
Project Phasing			Estimated Time		Estimated Cost						
Description			From	To							
					Salaries, Wages, Benefits						
					Operating Costs						
					Other Capital Costs						
					Total Annual Operating Costs:						
					SOURCE:						
					Total Annual Income						
PROJECT RANKING											
Department Rating 2 .											
CIE Requirement											
CONTACT: Rodney Reifsnider 506-5948											
REMARKS											
Billy Casper Golf has floated the idea of renovating the driving range in three (3) phases including; laying new grass in hitting area, moving ball retriever/ washer from club house to the range itself, and adding seating and other improvements.											
SERVICE AREA											
COLLEGE PARK											
LOCATION											

TYPE OF SERVICE:	Recreation & Culture	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE
DEPARTMENT:	BUSINESS & FINANCIAL SVCS.	16-DUB-002	Dubsdread Equipment								
DIVISION:	CHIEF FINANCIAL OFFICER	PRIORITY: Repair / Replacement									
PROBLEM IDENTIFICATION OR NEED:										PROJECT RANKING Department Rating 3. CIE Requirement	
Equipment is becoming old and meeting its useful life expectancy. Planned equipment replacement should be viewed in tandem with Clubhouse Improvements (16-DUB-001, DUB0004_P) and Course / Grounds Maintenance plans (16-DUB-0003, DUB0002_P).											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
Purchase and replace out dated equipment.										CONTACT: Rodney Reifsnider 506-5948	
FY2018/19 - Ventrac 4500P Tractor, 2 utility carts, Greens Triplex Mower, Vibe roller, Thatch away Cassettes and heavy duty vehicle. \$150,000										REMARKS	
FY2022/23 - Spin Grinder, Heavy Duty Vehicle, Vertidrain Aerifier, Greens Aerifier, Topdresser. \$150,000											
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR										SERVICE AREA	
										COLLEGE PARK	
										LOCATION	
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
0016	\$150,000	\$0	\$0	\$0	\$150,000	\$300,000	\$0	\$221,000	\$521,000		
ALL	\$150,000	\$0	\$0	\$0	\$150,000	\$300,000	\$0	\$221,000	\$521,000		
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)						
Project Phasing		Estimated Time		Estimated Cost							
Description		From	To								
				Salaries, Wages, Benefits							
				Operating Costs							
				Other Capital Costs							
				Total Annual Operating Costs:							
				SOURCE:							
				Total Annual Income							

TYPE OF SERVICE:	Recreation & Culture	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE 92
DEPARTMENT:	ORLANDO VENUES DEPARTMENT	16-VEN-001	Magic Grill Concept Conversion & Renovation								
DIVISION:	ORLANDO VENUES	PRIORITY: Future Need/Planned Expansion									
PROBLEM IDENTIFICATION OR NEED:										PROJECT RANKING	
The Magic Grill at the Amway Center requires review in order to maintain the quality of a restaurant at a first class sports and entertainment facility.											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):										Department Rating 4 . 5	
Invest \$500,000 to revitalize and renovate the Magic Grill into a new updated concept restaurant that continues to offer Legendary service while updating the menu, décor and atmosphere of the location. The long-term goal of any such investment is to increase revenues over time compared to current offerings, as it is expected that many similar restaurants will be opened nearby with the continued investment in the downtown area.										CIE Requirement N	
										CONTACT: Charles Leone 4074407060	
										REMARKS	
										The estimate of \$500K is a placeholder based off of past negotiations and proposals from contract discussions with proposed tenants/operators of the space. The design, concept and scope of the project is contingent upon negotiations with prospective tenants/brands.	
										SERVICE AREA	
										DOWNTOWN	
										LOCATION	
											
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
3001	\$0	\$500,000	\$0	\$0	\$0	\$500,000	\$0	\$0	\$500,000		
ALL	\$0	\$500,000	\$0	\$0	\$0	\$500,000	\$0	\$0	\$500,000		
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)						
Project Phasing		Estimated Time		Estimated Cost							
Description		From	To								
				Salaries, Wages, Benefits							
				Operating Costs							
				Other Capital Costs							
				Total Annual Operating Costs:							
				SOURCE:							
				Total Annual Income							

TYPE OF SERVICE:	Recreation & Culture	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE 93					
DEPARTMENT:	ORLANDO VENUES DEPARTMENT	16-LEU-001	Mennello Museum Lighting Replacement and Upgrade							
DIVISION:	H P LEU GARDENS	PRIORITY: Critical Deficiency								
PROBLEM IDENTIFICATION OR NEED:				PROJECT RANKING						
<p>The Mennello Museum's lighting is outdated with obsolete fixtures and maxed out tracks incapable of handling necessary and sustainable upgrades. All lights, tracks, and dimmers need to be replaced as they are hot, shorting out, constantly flickering, and blowing out. It is a safety hazard and an aesthetic necessity for museum standard and best practices. Approximately \$25,000 in service costs related to flickering and blown out lights are incurred annually.</p> <p>A lighting replacement study and estimate is necessary to generate a final fiscal impact statement.</p>				Department Rating 1 . 1 CIE Requirement N						
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):				CONTACT: Shannon Fitzgerald 4328						
<p>Replacing the lighting and controls at the museum is critical to museum standard lighting and visitor's experience. A holistic replacement will be a long term investment and reduce costs and move toward a more green sustainable lighting solution.</p> <p>LED technology offers the possibility of a better and/or different viewing experience than we are accustomed to. It also offers the likelihood of drastically reduced energy consumption (for light and building cooling), maintenance costs (changing light bulbs), and waste (in the form of spent bulbs and packaging).</p> <p>The possible expansion announcement only enhances the need to maintain our current facilities (which will be fully operating with expansion) and the need to be fully operating, with sustainable museum grade lights. The impact is for the community to see how well the public-private partnership functions and the City fully deliver on facility lighting for our visitors is part of that. This will save dollars in the long term - please note our facilities bills for changing obsolete bulbs in at capacity grids. Our visitors experience paintings and galleries in the dark at least three</p>				REMARKS The Museum staff has researched current best practices for lighting and museums from The Smithsonian American Art Museum (The Mennello Museum is an Affiliate) and the related Final Report prepared in support of the U.S. DOE Solid-State Lighting Technology Demonstration GATEWAY Program "Demonstration of LED Retrofit Lamps at the Smithsonian American Art Museum, Washington, DC".						
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR				SERVICE AREA						
				CLUSTER 27						
				LOCATION						
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total	
3001	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$0	\$0	\$200,000	
ALL	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$0	\$0	\$200,000	
PROJECT COST BY PHASE				IMPACT ON OPERATING COST (+/-)						
Project Phasing		Estimated Time		Estimated Cost						
Description		From	To			Salaries, Wages, Benefits				
						Operating Costs				
						Other Capital Costs				
						Total Annual Operating Costs:				
						SOURCE:				
						Total Annual Income				

TYPE OF SERVICE:	Recreation & Culture	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE
DEPARTMENT:	ORLANDO VENUES DEPARTMENT	15-LEU-001	Parking Enhancement at Leu Gardens		
DIVISION:	H P LEU GARDENS	PRIORITY: Existing Deficiency			

PROBLEM IDENTIFICATION OR NEED:

Current parking does not meet the Gardens' needs and reduces revenue by limiting private and special events. In addition, the existing perimeter fence does not maintain a continuous barrier and due to this problem there is the issue of unpaid entry to the Gardens from this lot and lost revenue.

PROJECT RANKING

Department Rating 2 . 2
CIE Requirement N

CONTACT: Robert Bowden 3667

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

50-60 additional spaces are needed. New parking is proposed via a reconfiguration and expansion of the existing lot in the SE corner of the gardens. This location minimizes impacts to key garden areas and utilizes existing access points. The fence for this area will tie into the existing fencing and provide a continuous barrier to control access to the Gardens. Parking improvement recommendations from the 2013 Leu Gardens Master Plan is available upon request.

The original request as described above was for \$466,000 but did not mention security cameras. This was revised in the Budget Office review to \$500,000 and is to include security cameras.

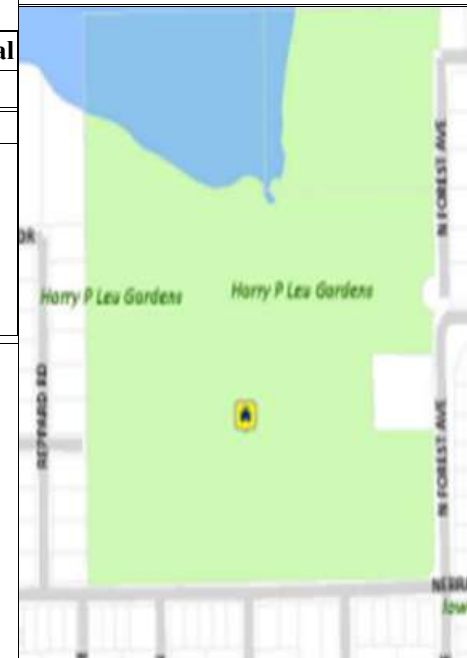
SERVICE AREA

CLUSTER 27

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
3001	\$500,000	\$0	\$0	\$0	\$0	\$500,000	\$0	\$0	\$500,000
ALL	\$500,000	\$0	\$0	\$0	\$0	\$500,000	\$0	\$0	\$500,000



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+/-)

Project Phasing	Estimated Time		Estimated Cost	Salaries, Wages, Benefits
Description	From	To		
				Other Capital Costs
				Total Annual Operating Costs:
				SOURCE:
				Total Annual Income

TYPE OF SERVICE:	Recreation & Culture	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # PKS0009_P	PAGE 95
DEPARTMENT:	FAMILIES, PARKS, RECREATION	10-731-019	Parks and Playground Renovation Project		
DIVISION:	PARKS	PRIORITY: Repair / Replacement			

PROBLEM IDENTIFICATION OR NEED:

Even with excellent routine maintenance, periodic major repairs and renovations are required to assure the safe use and sustainability of the City's parks and playgrounds. Park amenities such as playground equipment and surfacing, furnishings, sidewalks, outdoor fitness equipment, parking areas, signs and landscape have a limited useful life due to new codes and standards, availability of replacement parts, age, and normal deterioration that may be accelerated by intensity of use. Examples of this need are playground and fitness equipment that can no longer be repaired; parking lots worn to the base with pot holes and illegible parking lines; and park signs that are faded and difficult to read.

PROJECT RANKING	
Department Rating	2 . 2
CIE Requirement	Y

CONTACT: John Perrone 246-2287

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Continue an ongoing renovation and improvement program for two to three playgrounds per year. These renovations and improvements will meet all ADA and CPSC (Consumer Products Safety Commission) Public Safety Guidelines. Parks and playgrounds to be determined by the Parks Division as priorities are determined annually. Continuation of this program results in playgrounds being renovated ever 18-20 years which is slightly longer than the expected life of some playgrounds and below some of those that don't experience as much use.

SERVICE AREA
CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
3001	\$1,220,000	\$750,000	\$1,330,000	\$1,550,000	\$1,630,000	\$6,480,000	\$0	\$0	\$6,480,000
ALL	\$1,220,000	\$750,000	\$1,330,000	\$1,550,000	\$1,630,000	\$6,480,000	\$0	\$0	\$6,480,000



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing Description	Estimated Time		Estimated Cost
	From	To	
Parks and Playground Renovation Project			

Salaries, Wages, Benefits
Operating Costs
Other Capital Costs
Total Annual Operating Costs:

SOURCE:
Total Annual Income

TYPE OF SERVICE:	Recreation & Culture	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # REC0005_P	PAGE 96
DEPARTMENT:	FAMILIES, PARKS, RECREATION	FRP	Recreation Facility Renovations and Maintenance		
DIVISION:	RECREATION	PRIORITY: Repair / Replacement			

PROBLEM IDENTIFICATION OR NEED:

Aging buildings and facilities require continual review and update to ensure the safety of our staff and residents, as well as ensuring the ability for facilities to be used by residents as needed. Planned major renovations include:

- Beardall (18/19)
- Callahan (19/20)
- L. Claudia Allen (20/21)
- Wadeview (21/22)
- Dr James R Smith (22/23)

All years will include minor repairs to other community centers as needed plus replace of fitness room equipment as needed

PROJECT RANKING

Department Rating 1 . 1
CIE Requirement

CONTACT: Anthony Williams 246-4293

REMARKS

Moving the original project of Recreation Center Vans into this. Replace approx 1-2 vans per center depending on need. (1) 12 person van costs \$32,950 Requested \$100,000/ yr
Smith, Northwest, Hankins (18/19)
Dover shores, Engelwood and Rock Lake (19/20)
College Park, Rosemont and Citrus Square (20/21)
DTRC Jackson and Ivy Lane (21/22)

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
3001	\$830,000	\$830,000	\$830,000	\$830,000	\$830,000	\$4,150,000	\$0	\$0	\$4,150,000
ALL	\$830,000	\$830,000	\$830,000	\$830,000	\$830,000	\$4,150,000	\$0	\$0	\$4,150,000

PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+/-)

Project Phasing Description	Estimated Time		Estimated Cost
	From	To	
			Salaries, Wages, Benefits
			Operating Costs
			Other Capital Costs
			Total Annual Operating Costs:
			SOURCE:
			Total Annual Income



TYPE OF SERVICE:	Recreation & Culture	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE
DEPARTMENT:	FAMILIES, PARKS, RECREATION	16-FPR-006	Recreation Pools & Courts							REC0007_P	97
DIVISION:	RECREATION	PRIORITY: Existing Deficiency									
PROBLEM IDENTIFICATION OR NEED:											
High utilization of our Specialty Athletics requires a commitment to ongoing repairs, replacements and renovations. Planned renovations include: -(18/19) resurface pool deck at Dover; resurface courts at East Park -(19/20) resurface pool deck at Hankins, resurface Jackson Center Basketball Courts -(20/21) resurface pool deck at John Long Pool, resurface tennis courts at Delaney Park -(21/22) resurface pool decks at Jackson, resurface Reeves basketball courts -(22/23) resurface pool decks at Engelwood and resurface basketball courts at Engelwood all years include replacement of pool heaters and other equipment as necessary within Specialty Athletics (OTC, OSP, Pottery)											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
On-going maintenance of Aquatic facilities including replacing filters and micro processors, resurfacing pool decks, replacing pool blankets and pool heaters. This project will also support repairs at the Orlando Skate Park and the Orlando Tennis Center.											
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
3001	\$240,000	\$240,000	\$240,000	\$240,000	\$240,000	\$1,200,000	\$0	\$557,500	\$1,757,500		
ALL	\$240,000	\$240,000	\$240,000	\$240,000	\$240,000	\$1,200,000	\$0	\$557,500	\$1,757,500		
PROJECT COST BY PHASE											
IMPACT ON OPERATING COST (+-)											
Project Phasing			Estimated Time		Estimated Cost						
Description			From	To							
					Salaries, Wages, Benefits						
					Operating Costs						
					Other Capital Costs						
					Total Annual Operating Costs:						
					SOURCE:						
					Total Annual Income						

TYPE OF SERVICE:	Recreation & Culture	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # pks0013_P	PAGE 98				
DEPARTMENT:	FAMILIES, PARKS, RECREATION	19-PKS-002	Signature Park Renovtions						
DIVISION:	PARKS	PRIORITY:	Existing Deficiency						
PROBLEM IDENTIFICATION OR NEED:				PROJECT RANKING					
Age of existing Facilities and an enormous increase in visitors and attendance has hampered the ability to keep existing facilities in good repair and safe operating order. Anticipated repairs and replacements are reflective of the Parks CIP Workbook which is update annually. Below is the critical projects for FY 2018/19: Restroom Facilities at Lake Eola and Bill Frederic Park are over 30 and 40 years old, respectively. Those restrooms were not built to today's ADA standards, not large enough to meet the increased demands of everyday use, and they are difficult to keep clean, secure or in good working order. Lake Eola Swan Boat Dock has experienced a huge increase in visitors, prompting a need for larger dock area. The numbers of visitors and the diversity of their abilities is not always met due to the narrow ramps and tight spaces on the dock. Point of sale is currently a cart that is in need of safe and secure mounting.				Department Rating 2 . CIE Requirement					
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):				CONTACT: John Perrone 407-246-38					
Completely replace restrooms at Lake Eola (2) (Lake Eola: FY 2018/19 = \$1,150,000; FY 2019/20 = \$1,050,000) Utility upgrades for BFP \$100,000 (19/20) Utility upgrades for events at Loch Haven, Eola and Edwards Park \$50,000(19/20); \$50,000 (20/21); \$50,000 (22/23) Eola Amphitheatre Technical Improvements \$250,000 (20/21) Improve and expand RV parking at BFP \$350,000 (20/21) Road and walk improvemnts at various parks (Streets contractor) \$250,000 (21/22) Eola Drive improvements (Design, construction) \$250,000 (22/23)				REMARKS The west side of Lake Eola Park including the Washington Street Plaza will be receiving improvements via funding from DDB as a result of Project DTO. Those improvements will include; a Large Gateway Feature, utility distribution improvements, Pedestrian access changes, Streetscape improvements and landscape features. Ancillary funding will be needed for transition areas that will need sidewalk and irrigation transition work.					
				SERVICE AREA					
				CITYWIDE					
				LOCATION					
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR									
FUND	18/19	19/20	20/21	21/22	22/23	FIVE YR	LATER	PRIOR	Total
3001	\$0	\$1,150,000	\$1,200,000	\$650,000	\$250,000	\$3,250,000	\$0	\$0	\$3,250,000
ALL	\$0	\$1,150,000	\$1,200,000	\$650,000	\$250,000	\$3,250,000	\$0	\$0	\$3,250,000
PROJECT COST BY PHASE						IMPACT ON OPERATING COST (+-)			
Project Phasing		Estimated Time		Estimated Cost					
Description		From	To			Salaries, Wages, Benefits			
						Operating Costs			
						Other Capital Costs			
						Total Annual Operating Costs:			
						SOURCE:			
						Total Annual Income			

TYPE OF SERVICE:	Recreation & Culture	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE 99
DEPARTMENT:	ORLANDO VENUES DEPARTMENT	14-VEN-002	Terrace Level Quad C Buildout in Amway Center		
DIVISION:	ORLANDO VENUES	PRIORITY: Future Need/Planned Expansion			

PROBLEM IDENTIFICATION OR NEED:

The terrace level Quad C Build Out would finish out a vacant space in the Amway Ctr and make it useable space to generate revenue.

PROJECT RANKING

Department Rating 4 . 4
CIE Requirement N

CONTACT: Charles Leone 4074407060

REMARKS

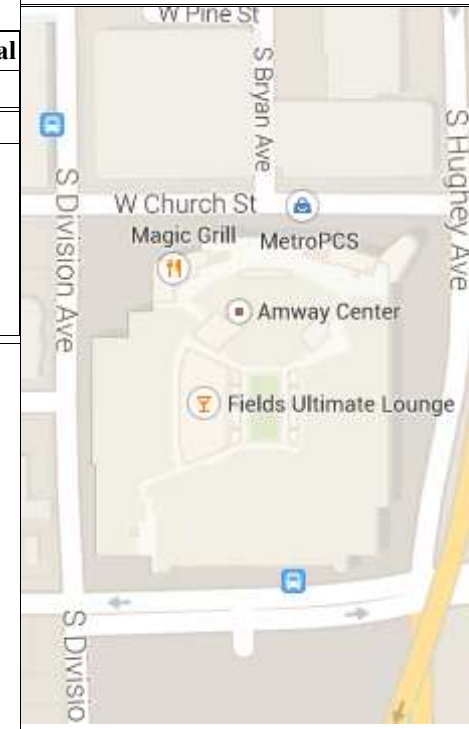
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Complete the space and make it useable real estate within the Amway Center. The estimate of \$1M is a placeholder based off of past negotiations and proposals from contract discussions with proposed tenants/operators of the space. The design and concept and scope of the project is contingent upon negotiations with prospective tenants/brands.

SERVICE AREA

DOWNTOWN

LOCATION



PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
3001	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000
ALL	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000

PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs: SOURCE: Total Annual Income
Description	From	To		

TYPE OF SERVICE:	Recreation & Culture	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE 100
DEPARTMENT:	ORLANDO VENUES DEPARTMENT	14-LEU-001	Tree Removal at Leu Gardens		
DIVISION:	H P LEU GARDENS	PRIORITY: Critical Deficiency			

PROBLEM IDENTIFICATION OR NEED:

Many large trees were removed (395) in the aftermath of Hurricanes Charley and Irma and should be replaced to provide shade cover for the nationally recognized collection of plants.

PROJECT RANKING

Department Rating 1 . 3
CIE Requirement N

CONTACT: Robert Bowden 2625

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Replenish tree inventory with mid-size replacements that will grow to provide shade cover. Estimated cost of purchase and replacement of select areas throughout the garden is \$100K

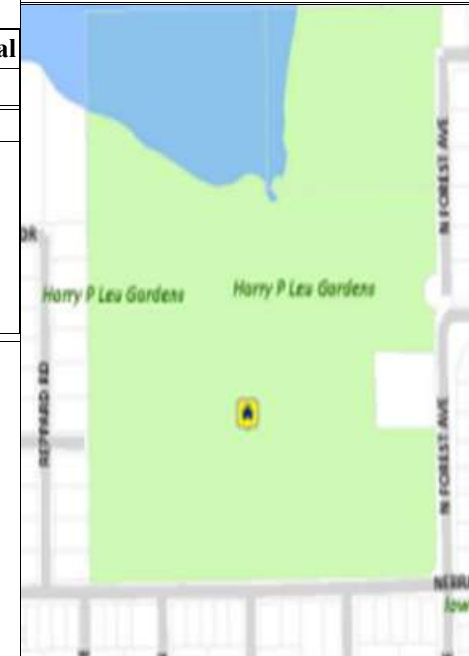
SERVICE AREA

CLUSTER 27

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
3001	\$0	\$100,000	\$0	\$0	\$0	\$100,000	\$0	\$150,000	\$250,000
ALL	\$0	\$100,000	\$0	\$0	\$0	\$100,000	\$0	\$150,000	\$250,000



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs:
Description	From	To		
				SOURCE: Total Annual Income

THIS PAGE LEFT INTENTIONALLY BLANK



THIS PAGE LEFT INTENTIONALLY BLANK

CITY OF ORLANDO
2019-2023 CAPITAL IMPROVEMENT PROGRAM
Listing For Solid Waste

PROJECT NAME	PROJECT	D PR	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE_YEAR	PRIOR	FUTURE	TOTAL	CIE
CBD Waste & Recycling Center	18-SWM-001	1.	0	400,000	0	0	0	400,000	0	0	400,000	N
Commercial Collection Vehicles	83-365-003	4.2	1,328,155	343,383	0	0	3,433,830	5,105,368	1,284,383	0	6,389,751	Y
Residential/Recycling Collection Veh	90-366-004	4.1	0	707,000	707,000	352,000	0	1,766,000	788,000	0	2,554,000	Y
TOTAL			\$1,328,155	\$1,450,383	\$707,000	\$352,000	\$3,433,830	\$7,271,368	\$2,072,383	\$0	\$9,343,751	

TYPE OF SERVICE:	Solid Waste	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # 000 4	PAGE 104
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	18-SWM-001	CBD Waste & Recycling Center		
DIVISION:	SOLID WASTE MANAGEMENT	PRIORITY: Critical Deficiency			

PROBLEM IDENTIFICATION OR NEED:

The Court Street compactor that services over 100 downtown businesses is in critical need of expansion to also provide recycling options to the customers.

PROJECT RANKING

Department Rating 1 .
CIE Requirement n

CONTACT: Charles Wade 246-3693

REMARKS

Design of enclosure will be in conjunction with Orange County to match the current motif of the adjoining Orange County History Center.

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

A new compactor enclosure will be designed and constructed to house two compactors, one for MSW and one for recycling services. The new design will provide increases capacity and in accordance to City Ordinances pertaining to MSW enclosures.

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4150	\$400,000	\$0	\$0	\$0	\$0	\$400,000	\$0	\$0	\$400,000
ALL	\$400,000	\$0	\$0	\$0	\$0	\$400,000	\$0	\$0	\$400,000

PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost		
Description	From	To			
Design and construction of Compactor enclosure			Salaries, Wages, Benefits	\$0	
			Operating Costs	\$20,000	
			Other Capital Costs	\$0	
			Total Annual Operating Costs:	\$20,000	
			SOURCE:	Service Charges	
			Total Annual Income	\$162,192	

TYPE OF SERVICE:	Solid Waste	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # 0006	PAGE 105
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	83-365-003	Commercial Collection Vehicles		
DIVISION:	SOLID WASTE MANAGEMENT	PRIORITY: Future Need/Planned Expansion			

PROBLEM IDENTIFICATION OR NEED:

Additional solid waste collection and disposal capacity will be required to serve the anticipated annexations and development of vacant land through the year 2023.

PROJECT RANKING

Department Rating 4 . 2
CIE Requirement Y

CONTACT: Charlie Wade 246-3693

REMARKS

Operating costs include tipping fees for 1800 tons MSW @\$33.60 per ton and O&M of \$150,149.00 per year.

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Two compaction Front Load vehicles will have to be purchased prior to the year 2019 to serve the annexation and development areas. This solution will meet the solid waste collection needs of the community and commercial growth. One special purpose underground collection vehicle will be purchase to service special events and specialized containers both above and below ground. One collection vehicle for exclusive collection of food waste will be purchased prior to 2023. Vehicles will be speced to meet the Green Initiatives of the City and be powered by Compressed Natural Gas (CNG).

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4150	\$1,328,155	\$343,383	\$0	\$0	\$3,433,830	\$5,105,368	\$0	\$1,284,383	\$6,389,751
ALL	\$1,328,155	\$343,383	\$0	\$0	\$3,433,830	\$5,105,368	\$0	\$1,284,383	\$6,389,751



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing Description	Estimated Time		Estimated Cost	SALARIES, WAGES, BENEFITS	
	From	To			
					\$159,846
					\$375,000
					\$0
					\$534,846
				SOURCE: Service Charges	
				Total Annual Income	\$1,175,000

TYPE OF SERVICE:	Solid Waste	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # 0003	PAGE 106
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	90-366-004	Residential/Recycling Collection Vehicles		
DIVISION:	SOLID WASTE MANAGEMENT	PRIORITY: Future Need/Planned Expansion			

PROBLEM IDENTIFICATION OR NEED:

Additional solid waste collection and disposal capacity will be required to serve the anticipated annexations and development of vacant land through the year 2023.

PROJECT RANKING

Department Rating 4 . 1
CIE Requirement Y

CONTACT: Charlie Wade 246-3693

REMARKS

Tipping fees for 2,020 tons of MSW @\$33.60 per ton and \$165,440 for O&M costs included in operating costs. These vehicles will service the Single Cart Recycling Program, Back Alley and Automated Garbage Collection.

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Five residential compaction collection vehicles are recommended to meet the anticipated annexations and conversion to single cart recycling and MSW collection through and the year 2023. This solution will meet the solid waste collection needs of the community. The three automated collection vehicles and two rear loading collection vehicles will have to be purchased with the "later" funding, prior to the year 2023, to serve the anticipated annexations and development. Vehicles will be speced to meet the Green Initiatives of the City and be equipped with CNG Powered Engines.

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4150	\$0	\$707,000	\$707,000	\$352,000	\$0	\$1,766,000	\$0	\$788,000	\$2,554,000
ALL	\$0	\$707,000	\$707,000	\$352,000	\$0	\$1,766,000	\$0	\$788,000	\$2,554,000

PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost		
Description	From	To			
				Salaries, Wages, Benefits	\$60,061
				Operating Costs	\$330,880
				Other Capital Costs	\$0
				Total Annual Operating Costs:	\$390,941
				SOURCE:	Service Charges
				Total Annual Income	\$395,520





STORMWATER

THIS PAGE LEFT INTENTIONALLY BLANK

CITY OF ORLANDO
2016-2021 CAPITAL IMPROVEMENT PROGRAM
Listing For Stormwater

PROJECT NAME	PROJECT	D PR	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE_YEAR	PRIOR	FUTURE	TOTAL	CIE
ADA Transition Plan	16-STW-001	2.	250,000	250,000	250,000	250,000	250,000	1,250,000	500,000	0	1,750,000	
Drainage Well Enhancement	89-722-072	0.0	200,000	0	200,000	200,000	0	600,000	5,043,678	1,500,000	7,143,678	Y
East Lake Arnold	18-STW-009	2.	0	1,000,000	1,000,000	1,000,000	0	3,000,000	0	0	3,000,000	
Lake Hourglass to Lake Lancaster D	18-STW-004	2.	0	0	140,000	1,200,000	0	1,340,000	0	0	1,340,000	
Lake Notasulga/Haralson Estates	10-705-004	2.38	250,000	2,000,000	2,500,000	0	0	4,750,000	1,914,859	0	6,664,859	N
Lake of the Woods to Al Coith Park	18-STW-006	2.	0	1,750,000	0	0	0	1,750,000	180,000	0	1,930,000	
Rapid Response Construction	02-721-003	2.16	1,000,000	2,500,000	2,500,000	2,500,000	0	8,500,000	7,790,661	1,250,000	17,540,661	Y
Stormwater System Construction	04-719-030	3.19	500,000	500,000	1,000,000	1,000,000	1,000,000	4,000,000	4,100,000	2,500,000	10,600,000	N
System Repair and Rehabilitation	83-722-022	1.21	500,000	500,000	1,000,000	1,000,000	1,000,000	4,000,000	16,254,026	2,500,000	22,754,026	Y
TOTAL			\$2,700,000	\$8,500,000	\$8,590,000	\$7,150,000	\$2,250,000	\$29,190,000	\$35,783,224	\$7,750,000	\$72,723,224	

TYPE OF SERVICE:	Stormwater	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE 109
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	16-STW-001	ADA Transition Plan								
DIVISION:	STREETS & STORMWATER SVCS	PRIORITY: Existing Deficiency									
PROBLEM IDENTIFICATION OR NEED:										PROJECT RANKING Department Rating 2. CIE Requirement	
The City's ADA Transition Plan needs to be updated and kept up to date on an annual basis. Code of Federal Regulations requires that local governments identify barriers in programs and activities that prevents persons with disabilities from access. The ADA Transition Plan needs to identify barriers in the public rights-of-way such as curbs, sidewalks, pedestrian crossings, pedestrian signals, shared use trails, parking, and bus stops.											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):										CONTACT: Lisa Henry	
Develop an ADA Transition Plan that sets forth steps necessary to complete modifications identified through a self-evaluation (those areas not covered in the previous developed plan) and provides a schedule for completing modifications. It is important to note that the ADA Transition Plan is a living document which will be evolving and needs to be used as a monitoring tool. As the City's boundaries grow, so does the need to incorporate acquired facilities into the Self-Evaluation/Transition process.										REMARKS	
										SERVICE AREA	
										CITYWIDE	
										LOCATION	
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
1100	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000	\$0	\$500,000	\$1,750,000		
ALL	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000	\$0	\$500,000	\$1,750,000		
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)						
Project Phasing		Estimated Time		Estimated Cost							
Description		From	To								
					Salaries, Wages, Benefits						
					Operating Costs						
					Other Capital Costs						
					Total Annual Operating Costs:						
					SOURCE:						
					Total Annual Income						

TYPE OF SERVICE:	Stormwater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # 4124	PAGE 110
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	89-722-072	Drainage Well Enhancement		
DIVISION:	STREETS & STORMWATER SVCS	PRIORITY: Existing Deficiency			

PROBLEM IDENTIFICATION OR NEED:

The City has approximately 150 drainage wells which serve as the ultimate point of discharge for most of the City's stormwater. All of these wells were installed prior to 1965 with little regard for the potential risks of polluting the State's groundwater which serves as the primary drinking water supply. New wells are difficult to permit and legislation is pending which would require clean-up or elimination of wells which represent a high risk of pollution.

PROJECT RANKING

Department Rating 0 . 0
CIE Requirement Y

CONTACT: Lisa Henry 3646

REMARKS

SEE PROJECT NOTES TAB - RM Cox

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Establish a continuous program to identify and upgrade high risk facilities. The installation of pollution control devices, re-routing of runoff and, in some cases, creating alternative methods of discharge and selected replacement of the wells, are examples of the type of remedial measures which would be undertaken.

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
3001	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,113	\$18,113
4160	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$64,640	\$64,640
4160	\$200,000	\$0	\$200,000	\$200,000	\$0	\$600,000	\$1,500,000	\$4,960,925	\$7,060,925
ALL	\$200,000	\$0	\$200,000	\$200,000	\$0	\$600,000	\$1,500,000	\$5,043,678	\$7,143,678



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing Description	Estimated Time		Estimated Cost		
	From	To			
				Salaries, Wages, Benefits	\$0
				Operating Costs	\$0
				Other Capital Costs	\$0
				Total Annual Operating Costs:	\$0
				SOURCE:	
				Total Annual Income	\$0

TYPE OF SERVICE:	Stormwater	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE 111
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	18-STW-009	East Lake Arnold								
DIVISION:	STREETS & STORMWATER SVCS	PRIORITY: Existing Deficiency									
PROBLEM IDENTIFICATION OR NEED:										PROJECT RANKING Department Rating 2. CIE Requirement	
<p>Three existing outfalls within the East Lake Arnold drainage are undersized. There are no adequate pipe connections from the basin areas to those outfalls.</p> <p>East Lake Arnold drainage basin existing outfalls upgrade and construction of pipe connection from the basin areas to those outfalls.</p> <p>The design services authorization (the fee is over \$200,000 threshold) is waiting for the City Council approval on June 5 Council meeting. Esat Lake Arnold existing funding is in CIP0083_P for \$770,224; the total cost will be \$2.5 M.</p>											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):										CONTACT: Lihua Wei REMARKS The project involves the improvement to three existing outfalls and provides additional piping to better connect the basin areas to those outfalls. The additional pipes also will provide a more balance distribution of the basin areas to the outfalls.	
<p>The proposed Eastern Outfall improvements include replacement of an existing segment of 30-inch RCP from Hargill Drive to Lake Arnold with 36-inch RCP, and a new baffle box. The proposed North Outfall improvements include adding pipes in areas not currently being served by a stormwater system. The proposed Western Outfall improvements will mainly consist of upsizing the outfall pipe and providing an upgraded end treatment.</p> <p>Cost: FY17/18 \$2.5M (construction \$2.2M & CEI \$300,000).</p> <p>This project will divert stormwater away from the low areas and reduce the potential for flooding within the East Lake Arnold drainage basin. In addition, the project will also improve the water quality by installing baffle boxes.</p>											
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR										SERVICE AREA DOWNTOWN	
LOCATION											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
4160	\$0	\$1,000,000	\$1,000,000	\$1,000,000	\$0	\$3,000,000	\$0	\$0	\$3,000,000		
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
ALL	\$0	\$1,000,000	\$1,000,000	\$1,000,000	\$0	\$3,000,000	\$0	\$0	\$3,000,000		
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)						
Project Phasing		Estimated Time		Estimated Cost							
Description		From	To								
				Salaries, Wages, Benefits							
				Operating Costs							
				Other Capital Costs							
				Total Annual Operating Costs:							
				SOURCE:							
				Total Annual Income							

TYPE OF SERVICE:	Stormwater	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE 112
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	18-STW-004	Lake Hourglass to Lake Lancaster Drainage Improvem								
DIVISION:	STREETS & STORMWATER SVCS	PRIORITY: Existing Deficiency									
PROBLEM IDENTIFICATION OR NEED:										PROJECT RANKING Department Rating 2. CIE Requirement	
<p>The Lake Hourglass sub-basin has no surface water outfall other than a 12" drainage well. Due to insufficient stormwater drainage, portions of the area are susceptible to flooding following large storm events.</p> <p>This project is a part of the overall Southeast Lakes Improvements project. The project will divert stormwater away from the low areas within the Lake Hourglass sub-basin thus reducing the potential for flooding. In addition, the improvements will also improve distribution of flows between the two lakes and to help enhance overall water quality of the lakes.</p>											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):										CONTACT: Lihua Wei	
<p>The improvements include the installation of approximately 1,080 feet of 30" RCP along East Kaley Street, connecting to an existing inlet and pipe at East Kaley Street west of South Fern Creek Avenue. From this point, an existing pipe connects the inlet to Lake Lancaster. The project also includes an adjustable weir control structure along the pipe run.</p>										REMARKS The project involves the construction of storm sewer from Lake Hourglass to Lake Lancaster within the right-of-way of East Kaley Street to the intersection with Ferncreek Avenue, where to connect to an existing storm sewer system to Lake Lancaster.	
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR										SERVICE AREA LANCASTER PARK	
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total	LOCATION	
4160	\$0	\$0	\$140,000	\$1,200,000	\$0	\$1,340,000	\$0	\$0	\$1,340,000		
ALL	\$0	\$0	\$140,000	\$1,200,000	\$0	\$1,340,000	\$0	\$0	\$1,340,000		
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)						
Project Phasing		Estimated Time		Estimated Cost							
Description		From	To								
				Salaries, Wages, Benefits							
				Operating Costs							
				Other Capital Costs							
				Total Annual Operating Costs:							
				SOURCE:							
				Total Annual Income							

TYPE OF SERVICE:	Stormwater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	10-705-004	Lake Notasulga/Haralson Estates		
DIVISION:	STREETS & STORMWATER SVCS	PRIORITY: Existing Deficiency			

PROBLEM IDENTIFICATION OR NEED:
 Lake Notasulga is a landlocked lake which lies near the western city limits in the Shingle Creek basin. In cooperation with Orange County, a project has been proposed to make water quality improvements to the lake. Once the necessary property has been secured, those improvements will be undertaken. The neighborhood to the south of the lake, Haralson Estates, is characterized by open drainage conveyances. Not only are the soil conditions and water table not conducive to stormwater management using swales, but residents have taken it upon themselves to extend driveway culverts without regard to proper sizing of these culverts.

PROJECT RANKING	
Department Rating	2 . 38
CIE Requirement	N

CONTACT: Lisa Henry 3646

REMARKS

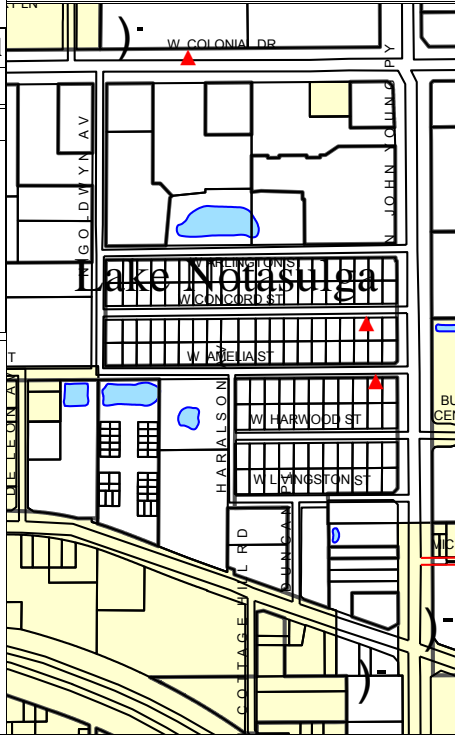
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):
 In conjunction with the lake water quality improvements, the conveyance systems will be converted to curb drainage or a swale/closed conveyance system that can properly function given the conditions in the neighborhood.

SERVICE AREA

WEST COLONIAL

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR									
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4160	\$250,000	\$2,000,000	\$2,500,000	\$0	\$0	\$4,750,000	\$0	\$1,914,859	\$6,664,859
ALL	\$250,000	\$2,000,000	\$2,500,000	\$0	\$0	\$4,750,000	\$0	\$1,914,859	\$6,664,859



PROJECT COST BY PHASE			IMPACT ON OPERATING COST (+/-)	
Project Phasing	Estimated Time		Estimated Cost	
Description	From	To		
			Salaries, Wages, Benefits	
			Operating Costs	
			Other Capital Costs	
			Total Annual Operating Costs:	
			SOURCE:	
			Total Annual Income	

TYPE OF SERVICE: Stormwater		PROJECT NUMBER		PROJECT NAME:		FINANCIAL PROJECT #		PAGE	
DEPARTMENT: PUBLIC WORKS DEPARTMENT		18-STW-006		Lake of the Woods to AI Coith Park				114	
DIVISION: STREETS & STORMWATER SVCS		PRIORITY: Existing Deficiency							
PROBLEM IDENTIFICATION OR NEED:						PROJECT RANKING			
Lake of the Woods has no outfall other than drainage wells. Due to insufficient stormwater drainage, portions of the area are susceptible to flooding following large storm events.						Department Rating 2 .			
This project is a part of the overall Southeast Lakes Improvements project. This is the second phase connecting Lake of the Woods to Lake Cherokee. The project will divert stormwater away from the low areas within Lake of the Woods sub-basin thus reducing the potential for flooding. In addition, the improvements will also improve distribution of flows between the two lakes and to help with the water quality.						CIE Requirement			
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):						CONTACT: Lihua Wei			
The improvements include connecting to an existing pipe and inlet at the intersection of South Orange Avenue and Annie Street, from this point, construction of approximately 1,030 feet of 36" RCP along Annie Street across Delaney Avenue and into AI Coith Park. The project also includes the installation of an adjustable control structure along Annie Street and a Suntree baffle box near the outfall to AI Coith Park.						REMARKS			
						The improvements provide a new surface water outfall for the Lake of the Woods north and east to AI Coith Park and then onto Lake Cherokee.			
						SERVICE AREA			
						LAKE CHEROKEE			
						LOCATION			
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR									
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4160	\$0	\$1,750,000	\$0	\$0	\$0	\$1,750,000	\$0	\$180,000	\$1,930,000
ALL	\$0	\$1,750,000	\$0	\$0	\$0	\$1,750,000	\$0	\$180,000	\$1,930,000
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)				
Project Phasing		Estimated Time		Estimated Cost					
Description		From	To			Salaries, Wages, Benefits			
						Operating Costs			
						Other Capital Costs			
						Total Annual Operating Costs:			
						SOURCE:			
						Total Annual Income			

TYPE OF SERVICE:	Stormwater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # 2569	PAGE 115
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	02-721-003	Rapid Response Construction		
DIVISION:	STREETS & STORMWATER SVCS	PRIORITY: Existing Deficiency			

PROBLEM IDENTIFICATION OR NEED:

Although it is possible through analysis to predict those stormwater systems that require replacement, such systems are usually identified by residents or motorists who have had first-hand experience of the problem through property damage or mere inconvenience.

PROJECT RANKING

Department Rating 2 . 16
CIE Requirement Y

CONTACT: Lisa Henry 3646

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

This project will enable City staff to assign such problems to one of several rapid response contractors, accelerating the pace at which new systems are constructed or problems remediated.

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4160	\$1,000,000	\$2,500,000	\$2,500,000	\$2,500,000	\$0	\$8,500,000	\$1,250,000	\$7,790,661	\$17,540,661
ALL	\$1,000,000	\$2,500,000	\$2,500,000	\$2,500,000	\$0	\$8,500,000	\$1,250,000	\$7,790,661	\$17,540,661

PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost
Description	From	To	
			Salaries, Wages, Benefits
			Operating Costs
			Other Capital Costs
			Total Annual Operating Costs:
			SOURCE:
			Total Annual Income



TYPE OF SERVICE:	Stormwater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # 2689	PAGE 116
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	04-719-030	Stormwater System Construction		
DIVISION:	STREETS & STORMWATER SVCS	PRIORITY: Repair / Replacement			

PROBLEM IDENTIFICATION OR NEED:

In house construction to replace aging or inadequate storm sewers has been funded through system repair and rehabilitation project #4271. More funds are needed to address storm sewer lining projects, leaving funds for more traditional repair projects in project #4271.

PROJECT RANKING

Department Rating 3 . 19
CIE Requirement N

CONTACT: Lisa Henry 3646

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

A separate project will help distinguish relining projects from more traditional repairs and ensure funds are available to procure supplies, materials and equipment for this in-house construction activity.

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4160	\$500,000	\$500,000	\$1,000,000	\$1,000,000	\$1,000,000	\$4,000,000	\$2,500,000	\$4,100,000	\$10,600,000
ALL	\$500,000	\$500,000	\$1,000,000	\$1,000,000	\$1,000,000	\$4,000,000	\$2,500,000	\$4,100,000	\$10,600,000

PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs:
Description	From	To		
				SOURCE: Total Annual Income



TYPE OF SERVICE:	Stormwater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # 4271	PAGE 117
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	83-722-022	System Repair and Rehabilitation		
DIVISION:	STREETS & STORMWATER SVCS	PRIORITY: Repair / Replacement			

PROBLEM IDENTIFICATION OR NEED:

The funds earmarked for system repairs & rehabilitation are being used increasingly to rehabilitate or reline storm sewers. Although relining is extremely cost-effective and allows City staff to correct problems that would otherwise be impossible to repair, it is an expensive procedure. Relining projects are taking an increasing share of the funds that have been used in the past for more traditional repairs involving excavation and complete pipe replacement.

PROJECT RANKING

Department Rating 1 . 21
CIE Requirement Y

CONTACT: Lisa Henry 3646

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Creation of a separate and distinct project will enable City staff to better track and fund the work of storm sewer repairs vs. storm sewer rehabilitation.

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
3001	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$276,234	\$276,234
1100	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$695,942	\$695,942
4160	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$65,000	\$65,000
4160	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$281,070	\$281,070
4160	\$500,000	\$500,000	\$1,000,000	\$1,000,000	\$1,000,000	\$4,000,000	\$2,500,000	\$14,935,780	\$21,435,780
ALL	\$500,000	\$500,000	\$1,000,000	\$1,000,000	\$1,000,000	\$4,000,000	\$2,500,000	\$16,254,026	\$22,754,026

PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost		
Description	From	To			
				Salaries, Wages, Benefits	\$0
				Operating Costs	
				Other Capital Costs	\$0
				Total Annual Operating Costs:	
				SOURCE:	
				Total Annual Income	\$0





TRANSPORTATION

THIS PAGE LEFT INTENTIONALLY BLANK

CITY OF ORLANDO
2016-2021 CAPITAL IMPROVEMENT PROGRAM
Listing For Transportation

PROJECT NAME	PROJECT D PR	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE_YEAR	PRIOR	FUTURE	TOTAL	CIE	
Administration Center Garage Repair	15-PKG-003	3.9	150,000	200,000	150,000	0	0	500,000	275,000	0	775,000	N
Bicycle Plan Implementation	94-812-008	2.18	150,000	150,000	150,000	150,000	150,000	750,000	1,575,565	744,895	3,070,460	N
Brick Street Restoration	95-721-008	3.5	100,000	100,000	100,000	100,000	100,000	500,000	4,285,228	1,000,000	5,785,228	N
Central Blvd Garage Repair and Mai	15-PKG-002	1.9	125,000	150,000	200,000	180,000	0	655,000	495,000	0	1,150,000	N
Centroplex I Garage Repair and Mai	15-PKG-004	7.9	0	100,000	160,000	0	100,000	360,000	300,000	100,000	760,000	N
Centroplex II Garage Capital Repair	19-PKG-001	8.9	0	100,000	100,000	160,000	100,000	460,000	0	0	460,000	
Colonial Overpass	18-TSP-002	2.	100,000	100,000	0	0	0	200,000	100,000	0	300,000	
Courthouse Garage Repair and Mai	15-PKG-006	4.9	125,000	120,000	100,000	200,000	175,000	720,000	325,000	0	1,045,000	N
Curb Ramp Construction and Curb R	83-722-023	1.3	150,000	200,000	200,000	200,000	200,000	950,000	3,367,677	1,550,000	5,867,677	N
Decorative Lighting	19-TRE-002	2.	250,000	0	0	0	0	250,000	2,000,000	0	2,250,000	
Downtown Connector Trail	15-TSP-002	4.24	0	250,000	0	0	0	250,000	545,000	0	795,000	Y
GEICO Garage Repairs and Mainten	17-PKG-001	9.9	120,000	0	250,000	150,000	0	520,000	154,000	0	674,000	N
Grand National Dr.: Oakridge Rd. to	07-812-009	2.17	500,000	4,000,000	4,000,000	0	0	8,500,000	2,200,000	10,000,000	20,700,000	Y
Intersection Safety Improvements	79-757-001	1.5	350,000	350,000	350,000	350,000	350,000	1,750,000	4,725,686	800,000	7,275,686	N
Jefferson Garage Capital Repairs	15-PKG-008	6.9	175,000	150,000	180,000	0	0	505,000	320,000	0	825,000	N
Library Garage Repair and Maintena	15-PKG-007	5.9	135,000	150,000	175,000	120,000	150,000	730,000	300,000	0	1,030,000	N
Lincoln SunRail Station Funding Agr	18-TSP-004	0.	500,000	500,000	0	0	0	1,000,000	150,000	0	1,150,000	
Low or No Emission Vehicle Progra	20-TSP-001	2.	0	441,150	0	0	0	441,150	0	0	441,150	Y
LYNX Annual Contribution	91-812-001	2.1	4,008,555	4,029,469	4,110,059	4,192,260	4,276,105	20,616,448	96,823,341	0	117,439,789	Y
Millenia & Oak Ridge Dual Left SB	16-TRE-003	2.	150,000	0	0	0	0	150,000	160,000	0	310,000	Y
Miscellaneous Sidewalk Repair	77-722-004	1.2	1,350,000	500,000	500,000	500,000	500,000	3,350,000	12,468,113	1,100,000	16,918,113	N
Narcoossee Widening: SR 528 - SR	16-TRE-001	1.	3,500,000	3,500,000	3,500,000	0	0	10,500,000	6,500,000	0	17,000,000	Y
New Traffic Signal Locations	08-660-001	1.9	250,000	820,000	820,000	820,000	820,000	3,530,000	3,040,000	2,000,000	8,570,000	N
Orange/Michigan Turn Lane	14-TSP-002	0.	100,000	0	0	0	0	100,000	0	0	100,000	
Orlando Urban Trail between Overpa	15-TSP-001	4.29	0	0	500,000	0	0	500,000	400,000	0	900,000	Y
Pavement Marking Maintenance	90-756-002	3.17	350,000	350,000	350,000	350,000	350,000	1,750,000	3,445,382	1,000,000	6,195,382	N
Pavement Rehabilitation	79-722-001	3.1	3,250,000	3,000,000	3,000,000	3,000,000	3,000,000	15,250,000	43,791,053	8,000,000	67,041,053	N
Radebaugh Way Road Widening	16-TRE-002	2.	200,000	0	0	0	0	200,000	200,000	0	400,000	Y
Railroad Grade Crossing Rehabilitati	86-725-002	3.4	0	100,000	0	100,000	0	200,000	2,474,886	1,100,000	3,774,886	N
Regional Computerized Signal Syste	81-755-004	1.7	100,000	100,000	100,000	100,000	100,000	500,000	3,300,140	800,000	4,600,140	Y

CITY OF ORLANDO
2016-2021 CAPITAL IMPROVEMENT PROGRAM
Listing For Transportation

PROJECT NAME	PROJECT ID	PR	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE_YEAR	PRIOR	FUTURE	TOTAL CIE	
Robinson Street "Complete Streets"	19-TSP-002	0.	0	0	6,481,000	0	0	6,481,000	0	0	6,481,000	
School Safety Sidewalk Program	84-722-039	1.1	700,000	700,000	700,000	700,000	700,000	3,500,000	13,820,965	400,000	17,720,965	Y
Shingle Creek Trail	18-TSP-003	2.	500,000	0	0	0	0	500,000	500,000	0	1,000,000	
Smart Cities Capital Project	19-FAC-004	0.	400,000	0	0	0	0	400,000	0	0	400,000	
SunRail Corridor Quiet Zone	15-TSP-007	2.32	400,000	400,000	400,000	400,000	400,000	2,000,000	800,000	0	2,800,000	N
Terry Avenue – South Extension	13-734-001	0.	332,000	332,000	332,000	0	0	996,000	852,000	0	1,848,000	Y
Traffic Counts and Travel Time Studi	05-734-026	1.8	100,000	100,000	100,000	100,000	100,000	500,000	1,294,000	0	1,794,000	N
Traffic Signal Refurbishing Program	87-757-005	3.16	200,000	200,000	200,000	200,000	200,000	1,000,000	5,575,832	2,000,000	8,575,832	N
Transportation Studies/Professional	09-815-004	4.8	0	150,000	0	150,000	0	300,000	450,000	0	750,000	N
Virginia Drive Improvements	19-TSP-001	0.	250,000	0	500,000	500,000	1,000,000	2,250,000	0	0	2,250,000	
TOTAL			\$19,070,555	\$21,342,619	\$27,708,059	\$12,722,260	\$12,771,105	\$93,614,598	\$217,013,868	\$30,594,895	\$341,223,361	

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE 121
DEPARTMENT:	TRANSPORTATION DEPT.	15-PKG-003	Administration Center Garage Repair/Maintenance		
DIVISION:	PARKING	PRIORITY: Repair / Replacement			

PROBLEM IDENTIFICATION OR NEED:

On the exterior walls waterproof coating show no remaining evidence of sealer, unless renewed water will seep through the concrete slab and cause structural corrosion, exterior walls are deteriorating and loosing adhesion causing leaks and corrosion of the steel and delaminating of concrete between levels. Expansion joints on roof level, ramps and vertical exterior walls are deteriorating and loosing adhesion causing leaks and corrosion of the steel and delaminating of concrete between levels. The elevator interiors are deteriorated by their high usage and cause an unattractive image of City property. They will be 24 years old in FY20. New up to date control panels, lighting and vandal proof interiors are necessary to meet future parking demands for the City, County, and FPCO.

PROJECT RANKING

Department Rating 3 . 9
CIE Requirement N

CONTACT: Pamela Corbin 246-3766

REMARKS

Parking R&R Fund and from O&M Partners.

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Pressure wash first to sixth level exterior walls. Comply with local ordinances and regulations. Apply a coating of SIKA Ferrogard 903 corrosion inhibiting sealer to waterproof all exterior walls. On ramp areas and floor joints, remove all pre-formed or liquid sealant material in expansion joints, control joints, vertical joints and floor slabs. Replace with applicable preformed or recommended silicone building sealant and caulk all areas throughout garage. Elevator cabs are to be modernized by installing new control panel, stainless steel vandal resistant interior surfaces, new lighting, hands free telephone communication, car position indicators and new vandal resistant call buttons and infrared door protection detectors.

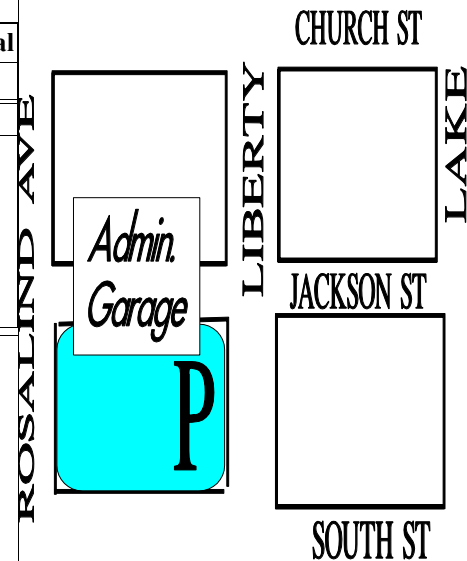
SERVICE AREA

DOWNTOWN

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4133	\$150,000	\$200,000	\$150,000	\$0	\$0	\$500,000	\$0	\$275,000	\$775,000
ALL	\$150,000	\$200,000	\$150,000	\$0	\$0	\$500,000	\$0	\$275,000	\$775,000



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+/-)

Project Phasing Description	Estimated Time		Estimated Cost
	From	To	
Elevator Modernization	10/1/2016	9/30/2017	\$125,000
Replace expansion joints on walls & floors	10/1/2017	9/30/2018	\$150,000
Waterproof exterior walls	10/1/2019	9/30/2020	\$140,000
	10/1/2020	9/30/2021	\$100,000

Salaries, Wages, Benefits
 Operating Costs
 Other Capital Costs
 Total Annual Operating Costs:

SOURCE:
 Total Annual Income

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # TSP0013_P	PAGE 122
DEPARTMENT:	TRANSPORTATION DEPT.	94-812-008	Bicycle Plan Implementation		
DIVISION:	TRANSPORTATION PLANNING	PRIORITY:	Existing Deficiency		

PROBLEM IDENTIFICATION OR NEED:
 Bicycle signage and facility construction is critical to the implementation of the City's Bicycle Plan, adopted in May of 1994. Establishing a convenient and connected bicycle network supports a critical mode of travel that makes Orlando a more livable community for residents of all ages and mobility levels.

 This project addresses the need to improve safety, design, and accessibility elements of the City's bicycle network, while reducing pollution, creating a healthier citizenry, and supporting a form of transportation that will remain sustainable for years to come.

PROJECT RANKING
Department Rating 2 . 18
CIE Requirement N

CONTACT: F. J. Flynn 246-2092

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):
 Provide a Citywide signage and facility construction program timed in accordance with the phasing outlined in the Bicycle Plan. Tax Increment Financing may be used to fund projects within the Community Redevelopment Area. Continued implementation of the Bicycle Plan through annual maintenance and physical infrastructure improvements is necessary to maintain or improve the City's designation as a bronze level Bicycle Friendly Community.

REMARKS
 Bicycle Plan Implementation TSP0013_P

 Formally named Miscellaneous Transportation Elements

SERVICE AREA
 CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR									
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
1100	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000	\$619,895	\$1,500,217	\$2,870,112
3001	\$0	\$0	\$0	\$0	\$0	\$0	\$125,000	\$72,487	\$197,487
1070	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,861	\$2,861
ALL	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000	\$744,895	\$1,575,565	\$3,070,460



PROJECT COST BY PHASE			IMPACT ON OPERATING COST (+-)	
Project Phasing	Estimated Time		Estimated Cost	
Description	From	To		
			Salaries, Wages, Benefits	\$0
			Operating Costs	\$0
			Other Capital Costs	\$0
			Total Annual Operating Costs:	\$0
			SOURCE:	
			Total Annual Income	\$0

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # 4138	PAGE 123
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	95-721-008	Brick Street Restoration		
DIVISION:	ENGINEERING SERVICES	PRIORITY: Repair / Replacement			

PROBLEM IDENTIFICATION OR NEED:

City policy dictates that before any known asphalt-covered brick street is resurfaced, the residents adjacent to the street are afforded the opportunity to reclaim the brick surface. The residents express their wishes through an official ballot process and if the ballot indicates a majority are in favor of reclaiming the brick street surface, this funding source is used to accomplish the project.

PROJECT RANKING

Department Rating 3 . 5
CIE Requirement N

CONTACT: Jim Hunt 3623

REMARKS

FY 2012/13 funding moved to next year.
FY 2013/14 funding moved to next year.
RMCox

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Remove asphalt from previously existing brick pavement surfaces and reconstruct the brick pavement. Streets are ranked on a first come-first served basis. Additional funds are used to perform maintenance on brick streets by City crews and by the contractor.

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
3001	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$2,900,000	\$3,900,000
1100	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	\$0	\$1,338,137	\$1,838,137
SPA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$47,091	\$47,091
ALL	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	\$1,000,000	\$4,285,228	\$5,785,228



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost		
Description	From	To			
				Salaries, Wages, Benefits	\$0
				Operating Costs	\$0
				Other Capital Costs	\$0
				Total Annual Operating Costs:	\$0
				SOURCE:	
				Total Annual Income	\$0

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE 124
DEPARTMENT:	TRANSPORTATION DEPT.	15-PKG-002	Central Blvd Garage Repair and Maintenance		
DIVISION:	PARKING	PRIORITY: Repair / Replacement			

PROBLEM IDENTIFICATION OR NEED:

On the exterior walls waterproof coating show no remaining evidence of sealer, unless renewed water will seep through the concrete slab and cause structural corrosion, exterior walls are deteriorating and losing adhesion causing leaks and corrosion of the steel and delaminating of concrete between levels. The steel fire doors with hardware on various levels need replacement due to vandalism and internal corrosion. Fire pump and system piping are 36 years old. Engine and pump barely meet capacity flow requirements as per code. Various sections are piping are corroded and leaking at different times causing flow alarms and dispatching OFD fire units. The interior building emergency generator will be 36 years old past the end of its life cycle. It would not be reliable during emergency situations.

PROJECT RANKING

Department Rating 1. 9
CIE Requirement N

CONTACT: Pamela Corbin 246-3766

REMARKS

Parking R&R Fund and from O&M Partners.

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Pressure wash and degrease first to sixth floors on exterior walls. Comply with local ordinances and regulations. Apply a coating of BSAF Hydrozo 100 sealer to waterproof walls. Replace with new approved UL fire doors rated at (2) hours with related door checks and panic bars. Replace fire pump/engine unit including new control board. Replace various sections of galvanized steel standpipe and sprinkler distribution horizontal piping and risers with new. Replace generator and electrical components with fully integrated efficient 250 KW diesel powered unit including transfer switch.

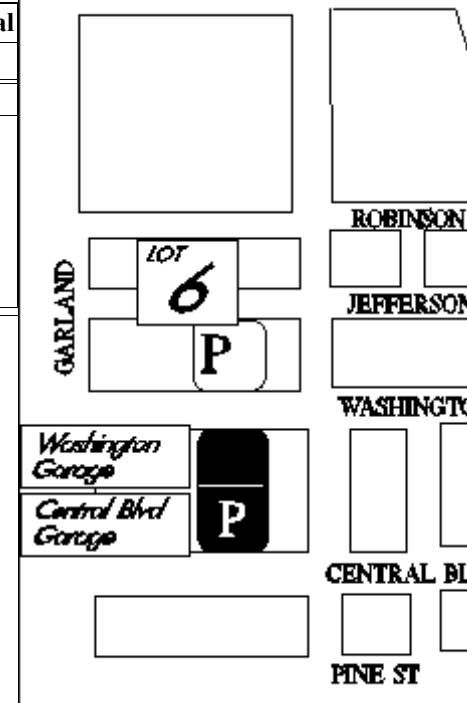
SERVICE AREA

DOWNTOWN

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4133	\$125,000	\$150,000	\$200,000	\$180,000	\$0	\$655,000	\$0	\$495,000	\$1,150,000
ALL	\$125,000	\$150,000	\$200,000	\$180,000	\$0	\$655,000	\$0	\$495,000	\$1,150,000



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing Description	Estimated Time		Estimated Cost
	From	To	
Emergency Generator Replacement & Transfer Switch	10/1/2016	10/1/2017	\$120,000
Fire Pump, Piping & Controls	10/1/2017	9/30/2018	\$100,000
Replace Interior and Roof Lighting Fixtures	10/1/2018	9/30/2019	\$150,000
Fire Door Replacement	10/1/2019	10/1/2020	\$100,000
Waterproof and Exterior Painting	10/1/2020	10/1/2021	\$150,000

Salaries, Wages, Benefits
 Operating Costs
 Other Capital Costs
 Total Annual Operating Costs:

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE 125
DEPARTMENT:	TRANSPORTATION DEPT.	15-PKG-004	Centroplex I Garage Repair and Maintenance		
DIVISION:	PARKING	PRIORITY: Repair / Replacement			

PROBLEM IDENTIFICATION OR NEED:
 The fire alarm system and protection devices are 30 years old and need to be brought up to existing code. The existing interior garage lighting fixtures and rooftop pole fixtures are costly to maintain and use high energy. Replacing the fixtures with LED type will save 40–50% in energy cost. CPX I elevators will be thirty four (34) years old in FY19, the car operating panels and controllers are obsolete. The interiors of the cars are deteriorated by their high usage. Much of the turf, trees, and shrubs around the perimeter of the garage have reached the end of their life expectancy and cause an unattractive image of City property for the new Creative Village.

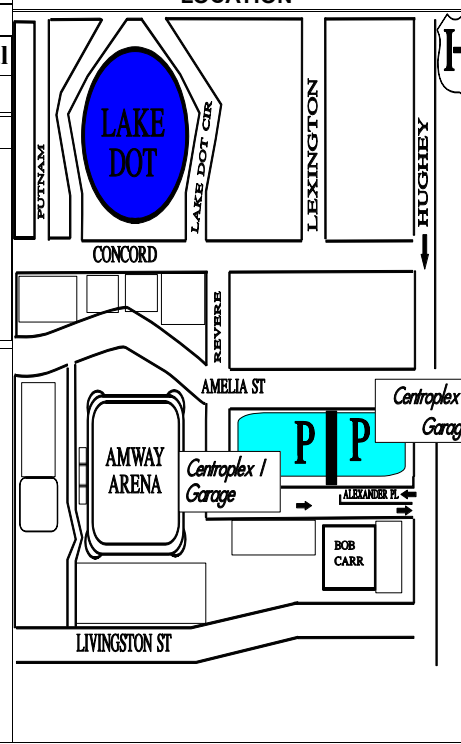
PROJECT RANKING	
Department Rating	7 . 9
CIE Requirement	N
CONTACT:	Pamela Corbin 246-3766
REMARKS	

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):
 Replace fire alarm system and fire protection devices. Replace current lighting fixtures with newest technology LED fixtures. Lumens output per fixture must exceed IESNA minimum standards for parking garages. Elevator cabs are to be modernized by installing new stainless steel vandal resistant interior surfaces, new lighting, hands free telephone communication, car position indicators and new vandal resistant call buttons and infrared door protection device. Design and implement new landscaping and hard surface areas.

SERVICE AREA
 DOWNTOWN

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4130	\$0	\$100,000	\$160,000	\$0	\$100,000	\$360,000	\$100,000	\$300,000	\$760,000
ALL	\$0	\$100,000	\$160,000	\$0	\$100,000	\$360,000	\$100,000	\$300,000	\$760,000



PROJECT COST BY PHASE

Project Phasing Description	Estimated Time		Estimated Cost
	From	To	
Landscape Exterior Areas	10/1/2016	9/30/2017	\$150,000
Elevator modernization: (2)	10/1/2017	9/30/2018	\$150,000
Lighting Modernization	10/1/2018	9/30/2019	\$180,000
Fire Alarm & Fire Door Replacement	10/1/2019	9/30/2020	\$100,000

IMPACT ON OPERATING COST (+-)

- Salaries, Wages, Benefits
- Operating Costs
- Other Capital Costs
- Total Annual Operating Costs:

SOURCE:
 Total Annual Income

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE
DEPARTMENT:	TRANSPORTATION DEPT.	19-PKG-001	Centroplex II Garage Capital Repairs		126
DIVISION:	PARKING	PRIORITY: Repair / Replacement			

PROBLEM IDENTIFICATION OR NEED:
 The fire alarm system and protection devices are 30 years old and need to be brought up to existing code. The existing interior garage lighting fixtures and rooftop pole fixtures are costly to maintain and use high energy. Replacing the fixtures with LED type will save 40–50% in energy cost.
 CPX II elevators will be (30) years old in FY19, the car operating panels and controllers are obsolete. The interiors of the cars are deteriorated by their high usage. Much of the turf, trees, and shrubs around the perimeter of the garage have reached the end of their life expectancy and cause an unattractive image of City property for the new Creative Village.

PROJECT RANKING
 Department Rating 8 . 9
 CIE Requirement

CONTACT: Pam Corbin 3766

REMARKS

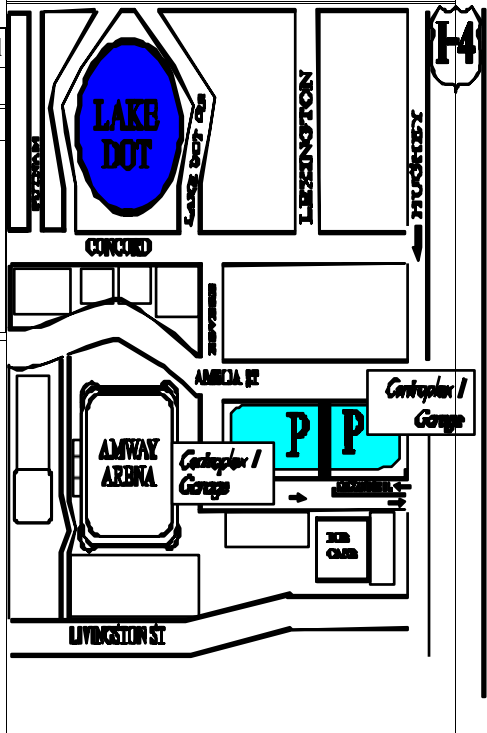
SERVICE AREA
 DOWNTOWN

LOCATION

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):
 Replace fire alarm system and fire protection devices. Replace current lighting fixtures with newest technology LED fixtures. Lumens output per fixture must exceed IESNA minimum standards for parking garages.
 Elevator cabs are to be modernized by installing new stainless steel vandal resistant interior surfaces, new lighting, hands free telephone communication, car position indicators and new vandal resistant call buttons and infrared door protection device. Design and implement new landscaping and hard surface areas.

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4130	\$0	\$100,000	\$100,000	\$160,000	\$100,000	\$460,000	\$0	\$0	\$460,000
ALL	\$0	\$100,000	\$100,000	\$160,000	\$100,000	\$460,000	\$0	\$0	\$460,000



PROJECT COST BY PHASE			IMPACT ON OPERATING COST (+/-)
Project Phasing	Estimated Time		Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs:
Description	From	To	
Landscape Exterior Areas			
Elevator modernization (2)			
Lighting Modernization			
Fire Alarm & Fire Door Replacement			

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # TSP0036_P	PAGE 127				
DEPARTMENT:	TRANSPORTATION DEPT.	18-TSP-002	Colonial Overpass						
DIVISION:	TRANSPORTATION PLANNING	PRIORITY: Existing Deficiency							
PROBLEM IDENTIFICATION OR NEED:				PROJECT RANKING					
The Colonial Overpass project was created in April 2014 via BA14-37. The City was awarded a grant from FDOT for a bicycle and pedestrian connection between Gertrude's Walk and Dinky Line segments of the Orlando Urban Trail.				Department Rating 2 .					
				CIE Requirement					
				CONTACT: Ian Sikonia 246-3325					
				REMARKS					
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):									
Additional funding is needed in FY19 for CIID Services and construction costs not eligible to be reimbursed by FDOT.									
SERVICE AREA									
DOWNTOWN									
LOCATION									
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR									
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
1070	\$100,000	\$100,000	\$0	\$0	\$0	\$200,000	\$0	\$100,000	\$300,000
ALL	\$100,000	\$100,000	\$0	\$0	\$0	\$200,000	\$0	\$100,000	\$300,000
PROJECT COST BY PHASE						IMPACT ON OPERATING COST (+-)			
Project Phasing		Estimated Time		Estimated Cost					
Description		From	To			Salaries, Wages, Benefits			
						Operating Costs			
						Other Capital Costs			
						Total Annual Operating Costs:			
						SOURCE:			
						Total Annual Income			

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE 128						
DEPARTMENT:	TRANSPORTATION DEPT.	15-PKG-006	Courthouse Garage Repair and Maintenance								
DIVISION:	PARKING	PRIORITY: Repair / Replacement									
PROBLEM IDENTIFICATION OR NEED:				PROJECT RANKING							
<p>Various barrier cables on the roof level and on floors 2 -7 are weak or corroded and need replacement. Waterproof deck coating on roof level needs renewal. If not repaired, water will seep through the concrete slab and cause structural corrosion. On interior floors 1 to 7 the waterproof coating shows no remaining evidence of sealer, unless renewed water will seep through the concrete slab and cause structural corrosion. The (4) traction type elevators in Phase 1 & 2 are on average more than 20 years old. The car operating panel, controller and communication instruments are obsolete. The hoisting equipment needs to be re-roped to meet code. In addition, the interior of the car and associated hardware are in poor condition due to heavy usage. Expansion joints on various levels 1 to 7 are deteriorating and loosing adhesion causing leaks and corrosion of the steel and delaminating of concrete between levels.</p>				Department Rating 4 . 9 CIE Requirement N							
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):				CONTACT: Pamela Corbin 246-3766							
<p>Install new galvanized barrier cables of equal strength and torque to proper tension where identified. Apply liquid sealant material. Replace with recommended BASF Sonoguard traffic coating building sealant. On Phase 1 section and for Phase 2 apply Basf Hydrozo 100 sealant. Pressure wash first to sixth level interior floors. Comply with local ordinances and regulations. Apply a coating of SIKA Ferrogard 903 corrosion inhibiting sealer to waterproof all interior floors. Elevator equipment and cab are to be modernized by installing new solid-state microprocessor generic controllers with starters, stainless steel vandal resistant interior surfaces, new lighting, ADA compliant updates, car position indicators, new vandal resistant call buttons, and door infrared protection device. On identified floor joints, remove all pre-formed or liquid sealant material in expansion joints, and control joints. Replace with applicable preformed or recommended silicone building sealant and caulk all areas throughout garage</p>				REMARKS Parking R&R Fund and from O&M Partners.							
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR				SERVICE AREA							
				DOWNTOWN							
				LOCATION							
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
4133	\$125,000	\$120,000	\$100,000	\$200,000	\$175,000	\$720,000	\$0	\$325,000	\$1,045,000		
ALL	\$125,000	\$120,000	\$100,000	\$200,000	\$175,000	\$720,000	\$0	\$325,000	\$1,045,000		
PROJECT COST BY PHASE				IMPACT ON OPERATING COST (+-)							
Project Phasing		Estimated Time		Estimated Cost		Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs:					
Description		From To									
Replace interior Expansion Joints		10/1/2016 9/30/2017		\$125,000							
Elevator Modernization (4 Cars)		10/1/2017 9/30/2018		\$100,000							
Waterproof Interior Floors Expansion Joints		10/1/2018 9/30/2019		\$120,000							
Waterproof Exterior Walls		10/1/2019 9/30/2020		\$100,000							
Replace Barrier Cables		10/1/2020 10/1/2021		\$100,000							

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE
DEPARTMENT:	TRANSPORTATION DEPT.	83-722-023	Curb Ramp Construction and Curb Repair		
DIVISION:	TRANS. ENGINEERING	PRIORITY: Repair / Replacement			

TRE0023_P 129

PROBLEM IDENTIFICATION OR NEED:

The Americans with Disabilities Act (ADA) requires the construction of curb ramps at all intersections where pedestrian walkways exist. Funding for curb ramps was routinely included with sidewalk maintenance in the past and will continue; however, additional funds are needed in order to complete the requirements set by ADA. Curb repair funding is requested to fund the reconstruction of dysfunctional curb sections throughout the City.

PROJECT RANKING

Department Rating 1. 3
CIE Requirement N

CONTACT: Cade Braud 3377

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Continuous inspections by City staff, the Sidewalk Inventory with condition assessment and public input will identify locations for curb ramps. According to the ADA, areas that require immediate attention are state and local government facilities, places of public accommodation and the residences of the disabled. An annual contract will be administered by City staff.

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
3001	\$0	\$0	\$0	\$0	\$0	\$0	\$750,000	\$1,276,239	\$2,026,239
1100	\$150,000	\$200,000	\$200,000	\$200,000	\$200,000	\$950,000	\$800,000	\$2,091,438	\$3,841,438
ALL	\$150,000	\$200,000	\$200,000	\$200,000	\$200,000	\$950,000	\$1,550,000	\$3,367,677	\$5,867,677



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	
Description	From	To		
				Salaries, Wages, Benefits \$0
				Operating Costs \$0
				Other Capital Costs \$0
				Total Annual Operating Costs: \$0
				SOURCE:
				Total Annual Income \$0

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE		
DEPARTMENT:	TRANSPORTATION DEPT.	19-TRE-002	Decorative Lighting									TBD	130
DIVISION:	TRANS. ENGINEERING	PRIORITY: Existing Deficiency											
PROBLEM IDENTIFICATION OR NEED:										PROJECT RANKING			
The project addresses the need to improve elements of neighborhoods and to mitigate impacts on residential streets in neighborhoods. Public spaces, such as parks and near lakes, require pedestrian scale lighting with aesthetic quality. A policy has been adopted to address requests for residential neighborhoods.											Department Rating 2.		
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):										CIE Requirement			
Provide decorative style lighting in public parks and around public spaces such as lakes. Establish a program to coordinate with residents and provide decorative street lighting for residential streets in neighborhoods on a first come-first serve basis. Property owner special assessments would be utilized to match City share in order to advance projects or fully fund projects.										CONTACT:			
Estimated Request: \$100,000										REMARKS			
										Annual funding was provided for decorative lighting in the CIP Fund (3001_F) until FY09, when funding ceased due the recession and budgetary cuts.			
										Special Assessment Fund (1001_F) will contribute 50% of funding.			
										SERVICE AREA			
										CITYWIDE			
										LOCATION			
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR													
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total				
3001	\$250,000	\$0	\$0	\$0	\$0	\$250,000	\$0	\$2,000,000	\$2,250,000				
ALL	\$250,000	\$0	\$0	\$0	\$0	\$250,000	\$0	\$2,000,000	\$2,250,000				
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)								
Project Phasing		Estimated Time		Estimated Cost									
Description		From	To										
				Salaries, Wages, Benefits									
				Operating Costs									
				Other Capital Costs									
				Total Annual Operating Costs:									
				SOURCE:									
				Total Annual Income									

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # TSP0055_P	PAGE 131
DEPARTMENT:	TRANSPORTATION DEPT.	15-TSP-002	Downtown Connector Trail		
DIVISION:	TRANSPORTATION PLANNING	PRIORITY: Future Need/Planned Expansion			

PROBLEM IDENTIFICATION OR NEED:

The Downtown Connector Trail is envisioned to serve as the primary east-west corridor within the City's trail network, which will connect the Orlando Urban Trail to the Lake Underhill Path. Currently there is no direct family friendly bicycle route between these two significant off-street trails. Closing this gap will increase bicycle safety, improve access to Downtown destinations, support general bicycle mobility, and provide citizens with a convenient commuting option into the Central Business District. A conceptual study of this segment was accomplished during the 2014 Orlando Primary Bicycle Route Study.

PROJECT RANKING

Department Rating 4 . 24
CIE Requirement Y

CONTACT: Ian Sikonia 246-3325

REMARKS

Design Phase
IFT-Southeast

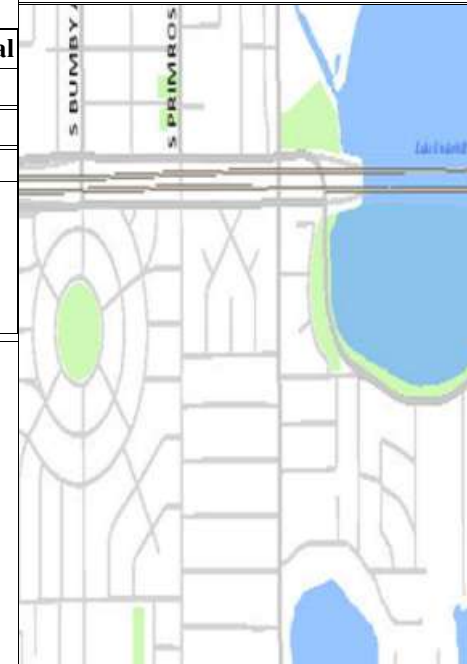
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Design a multi-use trail to connect the Orlando Urban Trail to the Lake Underhill Path will create a safe and convenient connection to the Central Business District for bicyclists and pedestrians. The funds for the construction phase of this trail segment are currently located within Metroplan Orlando's Prioritized Project List and do not require a city match.

SERVICE AREA

LAKE COMO

LOCATION



PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
1071	\$0	\$250,000	\$0	\$0	\$0	\$250,000	\$0	\$545,000	\$795,000
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ALL	\$0	\$250,000	\$0	\$0	\$0	\$250,000	\$0	\$545,000	\$795,000

PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost
Description	From	To	
			Salaries, Wages, Benefits
			Operating Costs
			Other Capital Costs
			Total Annual Operating Costs:
			SOURCE:
			Total Annual Income

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE
DEPARTMENT:	TRANSPORTATION DEPT.	17-PKG-001	GEICO Garage Repairs and Maintenance								132
DIVISION:	PARKING	PRIORITY: Repair / Replacement									
PROBLEM IDENTIFICATION OR NEED:											
Waterproof deck coating on roof level is deteriorating due to UV rays and weather. Unless renewed water will seep through the concrete slab and cause structural corrosion. Caulking on vertical and control joints dried and cracking causing water seepage to steel structure. The interior lights are T5 108 watt fluorescent fixtures, and the roof pole lights are 150 watt metal halide lamps that are obsolete and costly to operate. All interior metal surfaces need to be painted to prevent corrosion. Floors on each lower level needs to be seal coated to prevent corrosion of rebar and spalling of concrete.											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
Spray a coating of BASF Hydrozo 100 sealant to entire roof deck and caulk with BASF NP1 AND SL1 parking structure sealant. Install new fee computers and hand held event devices. Replace lighting fixtures with new efficient 50 watt LED interior fixtures on all levels and stairwells. Install new galvanized barrier cables of equal strength and torque to proper tension where identified. On metal surfaces remove any loose rust that is present, as well as any peeling paint. Apply a top quality metal primer because it must perform two vital functions: provide the bond between the topcoat and the metal, and inhibit corrosion. Apply a coating of Enviroseal 40 Salane sealer to concrete substrate on each interior floor.											
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
4133	\$120,000	\$0	\$250,000	\$150,000	\$0	\$520,000	\$0	\$154,000	\$674,000		
ALL	\$120,000	\$0	\$250,000	\$150,000	\$0	\$520,000	\$0	\$154,000	\$674,000		
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)						
Project Phasing		Estimated Time		Estimated Cost							
Description		From	To								
Waterproof & Paint Interior Surface				Salaries, Wages, Benefits							
Replace Interior & Roof Lighting				Operating Costs							
Waterproof exterior surfaces				Other Capital Costs							
				Total Annual Operating Costs:							
				SOURCE:							
				Total Annual Income							
PROJECT RANKING											
Department Rating 9 . 9											
CIE Requirement N											
CONTACT: Pamela Corbin											
REMARKS											
SERVICE AREA											
DOWNTOWN											
LOCATION											

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # TRE0017_P	PAGE 133
DEPARTMENT:	TRANSPORTATION DEPT.	07-812-009	Grand National Dr.: Oakridge Rd. to Sand Lake Rd.		
DIVISION:	TRANSPORTATION PLANNING	PRIORITY: Existing Deficiency			

PROBLEM IDENTIFICATION OR NEED:

The International Drive Resort Area lacks a clear identifiable grid network of collector roadways. This contributes to an over-reliance on the arterial network, especially Kirkman Road and International Drive. This condition and the intense development in the area contributes to the congested conditions on these roadways.

PROJECT RANKING	
Department Rating	2 . 17
CIE Requirement	Y

CONTACT: John Rhoades 2293

REMARKS
The cost of the right-of-way will be refined after the completion of the study.

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

The realignment of Grand National Drive to connect to Greenbriar Parkway through the Carrier Drive Intersection will create a continuous north-south collector roadway from Sand Lake Road to Oak Ridge Road. Additional reconstruction/reconfiguration of portions of the corridor will be necessary to accommodate an increased number of trips.

SERVICE AREA
FLORIDA CENTER

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
1072	\$500,000	\$4,000,000	\$4,000,000	\$0	\$0	\$8,500,000	\$10,000,000	\$2,200,000	\$20,700,000
ALL	\$500,000	\$4,000,000	\$4,000,000	\$0	\$0	\$8,500,000	\$10,000,000	\$2,200,000	\$20,700,000



PROJECT COST BY PHASE				IMPACT ON OPERATING COST (+-)	
Project Phasing Description	Estimated Time		Estimated Cost	Salaries, Wages, Benefits	Operating Costs
	From	To			

Design	10/1/2008	9/1/2008	\$800,000	Other Capital Costs	Total Annual Operating Costs:
Planning	4/1/2007	1/1/2008	\$400,000		

SOURCE:
Total Annual Income

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE
DEPARTMENT:	TRANSPORTATION DEPT.	79-757-001	Intersection Safety Improvements		
DIVISION:	TRANS. ENGINEERING	PRIORITY: Critical Deficiency			

TRE0006_P	134
-----------	-----

PROBLEM IDENTIFICATION OR NEED:

The most significant crash locations in the City are the intersection of streets and roadways. Through analysis of these locations, safety enhancements can be implemented to improve safety by reducing the likelihood of crashes and reduction in severity of these crashes.

PROJECT RANKING	
Department Rating	1 . 5
CIE Requirement	N

CONTACT: Cade Braud 3377

REMARKS
Improvements scheduled annually based upon intersection analysis and annual accident summary.

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

This on-going project has been formulated to modify as necessary the existing signal installations in order to reduce prevailing accident rates. Modifications may be as minor as adding/deleting signal phases or upgrading display systems to enhance visibility. Minor geometric improvements also may be made to improve traffic flow crash reduction by the enhancement of pavement markings, additional signage, increasing visibility of traffic signal and improving sight distance.

SERVICE AREA
CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
1100	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$1,750,000	\$800,000	\$4,598,186	\$7,148,186
OF	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$127,500	\$127,500
ALL	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$1,750,000	\$800,000	\$4,725,686	\$7,275,686



PROJECT COST BY PHASE			IMPACT ON OPERATING COST (+-)	
-----------------------	--	--	-------------------------------	--

Project Phasing Description	Estimated Time		Estimated Cost		
	From	To			
			Salaries, Wages, Benefits		\$0
			Operating Costs		\$0
			Other Capital Costs		\$0
			Total Annual Operating Costs:		\$0
			SOURCE:		
			Total Annual Income		\$0

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE
DEPARTMENT:	TRANSPORTATION DEPT.	15-PKG-008	Jefferson Garage Capital Repairs		135
DIVISION:	PARKING	PRIORITY:	Repair / Replacement		

PROBLEM IDENTIFICATION OR NEED:

Waterproof deck coating on roof level is deteriorating due to UV rays and weather, unless renewed water will seep through the concrete slab and cause structural corrosion. Caulking on vertical and control joints are nearly 10 years old dried and cracking causing water seepage to steel structure. The power back-up system provided by the UPS unit was damaged beyond repair by a power spike caused by improper operation of the switching system. Without a UPS system, loss of business critical equipment during a power failure can cost substantial loss of revenue. All interior metal surfaces need to be painted to prevent corrosion. Floors on each lower level needs to be seal coated to prevent corrosion of rebar and spalling of concrete. The elevator interiors are deteriorated by their high usage and cause an unattractive image of City property. New up to date control panels, lighting and vandal proof interiors are necessary to meet future parking demands for the City.

PROJECT RANKING

Department Rating 6 . 9
CIE Requirement N

CONTACT: Pamela Corbin 246-3766

REMARKS

Parking R&R Fund

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Spray a coating of BASF Hydrozo 100 sealant to entire roof deck and caulk with BASF NP1 AND SL1 Parking structure sealant. Replace UPS unit with one Mitsubishi 2033D, 50KVA, p/n M23D-05024-44BOO UPS including batteries and necessary labor. On metal surfaces remove any loose rust that is present, as well as any peeling paint. Apply a top quality metal primer because it must perform two vital functions: provide the bond between the topcoat and the metal, and inhibit corrosion. Elevator cabs are to be modernized by installing new control panel, stainless steel vandal resistant interior surfaces, new lighting, hands free telephone communication, car position indicators and new vandal resistant call buttons and infrared door protection detectors

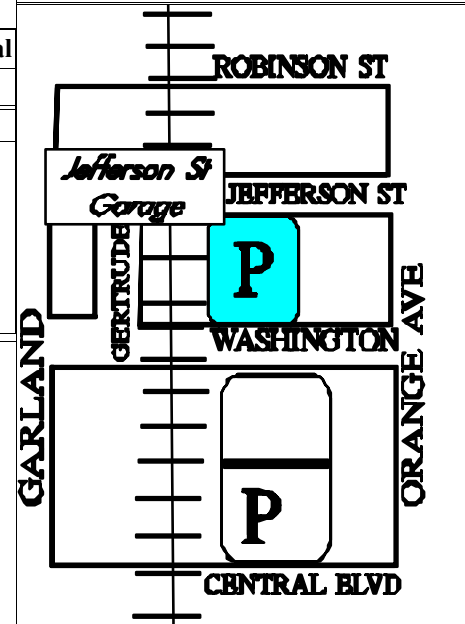
SERVICE AREA

DOWNTOWN

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4133	\$175,000	\$150,000	\$180,000	\$0	\$0	\$505,000	\$0	\$320,000	\$825,000
ALL	\$175,000	\$150,000	\$180,000	\$0	\$0	\$505,000	\$0	\$320,000	\$825,000



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing Description	Estimated Time		Estimated Cost
	From	To	
	10/1/2016	9/30/2017	\$200,000
	10/1/2018	9/30/2019	\$110,000
	10/1/2020	10/1/2021	\$120,000

Salaries, Wages, Benefits
Operating Costs
Other Capital Costs
Total Annual Operating Costs:

SOURCE:
Total Annual Income

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE 136
DEPARTMENT:	TRANSPORTATION DEPT.	15-PKG-007	Library Garage Repair and Maintenance		
DIVISION:	PARKING	PRIORITY: Repair / Replacement			

PROBLEM IDENTIFICATION OR NEED:

The exterior building emergency generator will be 29 years old nearing the end of its life cycle. It has much corrosion in the generator section being weathered and may not be reliable during emergency situations for long time running operation. The metal pan with concrete fill staircase on the Central side of the garage from the first to third level is corroded and is beyond repair. Unless replace, personal injuries to the public can occur.

The steel fire doors with hardware on various levels need replacement due to vandalism and internal corrosion. Fire pump and alarm system will be 30 years old and would not be reliable during an emergency situation for long time running operation. Barrier cables on the roof level and various areas on floors 2 -5 are corroded and need replacement. The two elevator hoisting equipment and main controls will be 30 years old. They will not continually meet the demands that are placed upon them with the activity of entertainment businesses that surround the garage.

PROJECT RANKING

Department Rating 5 . 9
CIE Requirement N

CONTACT: Pamela Corbin 246-3766

REMARKS

Parking R&R Fund and from O&M Partners.

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Replace generator and electrical components with fully integrated efficient 150 KW diesel powered unit. Replace with a precast reinforced concrete assembly or furnish and install new steel c-channels, stringers, metal pans and concrete. Provide new handrails and repaint as needed. Replace with new approved UL fire doors rated at (2) hours with related door checks and panic bars. Replace fire pump and engine with same design specifications as existing unit. Install new galvanized barrier cables of equal strength and torque to proper tension. Modernize the elevator hoisting equipment, controls and mechanical room air conditioning units according to State of Florida Elevator Codes.

SERVICE AREA

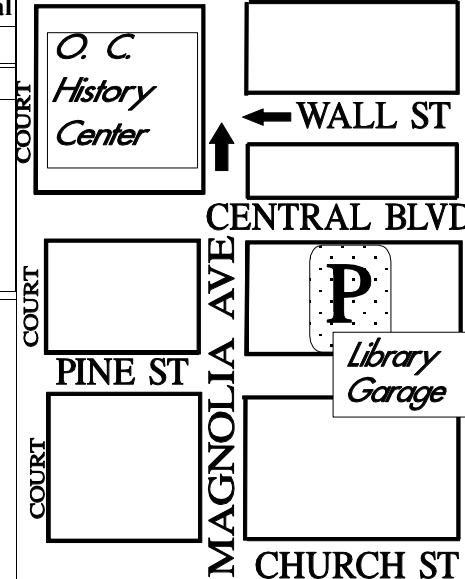
DOWNTOWN

LOCATION

WASHINGTON ST

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4133	\$135,000	\$150,000	\$175,000	\$120,000	\$150,000	\$730,000	\$0	\$300,000	\$1,030,000
ALL	\$135,000	\$150,000	\$175,000	\$120,000	\$150,000	\$730,000	\$0	\$300,000	\$1,030,000



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing Description	Estimated Time		Estimated Cost
	From	To	
Elevator Control Modernization			
Replace Barrier Cable	10/1/2017	9/30/2018	\$120,000
Replace Fire Pump and Fire Alarm System	10/1/2018	9/30/2019	\$220,000
Replace Central Staircase & Fire Doors	9/30/2019	9/30/2020	\$100,000
Replace Emergency Generator	10/1/2020	9/30/2021	\$120,000

Salaries, Wages, Benefits
Operating Costs
Other Capital Costs
Total Annual Operating Costs:

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE
DEPARTMENT:	TRANSPORTATION DEPT.	18-TSP-004	Lincoln SunRail Station Funding Agreement							TSP0054_P	137
DIVISION:	TRANSPORTATION PLANNING	PRIORITY:									
PROBLEM IDENTIFICATION OR NEED:											
Lincoln Church Street, LLC ("Developer"), agreed to enter into an agreement with the City to construct a SunRail Station within their new mixed-use tower project, located south of Church Street, north of W. South Street, and east of Garland Avenue. The Developer shall be responsible for the construction of the station and conveyance of easements to FDOT or SunRail Commission, on or before December 31, 2024. The City of Orlando through the thresholds set within this agreement, shall provide funding not to exceed \$1,500,000, in three installments of \$500,000.											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
The funding agreement was approved by City Council on July 24, 2017; however, the Developer has not yet signed the agreement. As of March 2018 (FY18), no payment has been made to Lincoln Church Street. The FY19 and FY20 funding request satisfies the City's obligation as outlined in the agreement.											
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
1070	\$500,000	\$500,000	\$0	\$0	\$0	\$1,000,000	\$0	\$150,000	\$1,150,000		
ALL	\$500,000	\$500,000	\$0	\$0	\$0	\$1,000,000	\$0	\$150,000	\$1,150,000		
PROJECT COST BY PHASE											
IMPACT ON OPERATING COST (+-)											
Project Phasing			Estimated Time		Estimated Cost						
Description			From	To							
					Salaries, Wages, Benefits						
					Operating Costs						
					Other Capital Costs						
					Total Annual Operating Costs:						
					SOURCE:						
					Total Annual Income						
PROJECT RANKING											
Department Rating 0.											
CIE Requirement											
CONTACT: Claudia Korobkoff 246-2180											
REMARKS											
The City agrees to fund Lincoln's cost to construct the station within their proposed tower project. Understanding the relocation of this station serves the public with a safer and more convenient location by aligning the northbound and southbound platforms. City funds shall be utilized by Lincoln to pay the costs incurred for construction of the station. The agreement provides three installments of \$500,000 each, with the first due on or after 10/1/2017, the second contingent upon											
SERVICE AREA											
LOCATION											

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE 138
DEPARTMENT:	TRANSPORTATION DEPT.	20-TSP-001	Low or No Emission Vehicle Program – Grant Match								
DIVISION:	TRANSPORTATION PLANNING	PRIORITY: Existing Deficiency									
PROBLEM IDENTIFICATION OR NEED:										PROJECT RANKING Department Rating 2. CIE Requirement Y CONTACT: Amy Kessel 4269 REMARKS The City provided a Letter of Support to LYNX for the local share match. LYNX's grant application requested funding for eight (8) 35' electric buses and eight (8) depot chargers. However, it is likely if awarded, LYNX will receive funding for two (2) 35' electric buses and two (2) depot chargers.	
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
Local Match for eight (8) buses and eight (8) depot chargers: \$441,150 Local Match for two (2) buses and two (2) depot chargers: \$110,228											
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR										SERVICE AREA CITYWIDE LOCATION	
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
	\$0	\$441,150	\$0	\$0	\$0	\$441,150	\$0	\$0	\$441,150		
ALL	\$0	\$441,150	\$0	\$0	\$0	\$441,150	\$0	\$0	\$441,150		
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)						
Project Phasing		Estimated Time		Estimated Cost							
Description		From	To								
						Salaries, Wages, Benefits			\$0		
						Operating Costs			\$0		
						Other Capital Costs			\$0		
						Total Annual Operating Costs:			\$0		
						SOURCE:					
						Total Annual Income			\$0		

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # CCA0014_C	PAGE 139
DEPARTMENT:	TRANSPORTATION DEPT.	91-812-001	LYNX Annual Contribution		
DIVISION:	TRANSPORTATION PLANNING	PRIORITY: Existing Deficiency			

PROBLEM IDENTIFICATION OR NEED:

The Growth Management Plan addresses the need to contribute to the transit provider. The City's share for fleet, operational and paratransit requirements is based on its share of population and future needs for services.

PROJECT RANKING

Department Rating 2 . 1
CIE Requirement Y

CONTACT: Claudia Korobkoff 2180

REMARKS

Later funding will be determined yearly based upon the GMP Transportation element. This project now combines the allocations previously contained in the related LYNX Operational and LYNX Paratransit projects (90-812-002 and 94-812-006). See related revenue tracking projects, 06-734-020 and 06-734-021.

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Allocate annually a portion of the City's revenue to contribute to the transit provider for fleet, operational and paratransit requirements.

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
3001	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,073,200	\$2,073,200
1100	\$4,008,555	\$4,029,469	\$4,110,059	\$4,192,260	\$4,276,105	\$20,616,448	\$0	\$94,145,661	\$114,762,109
OF	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$604,480	\$604,480
ALL	\$4,008,555	\$4,029,469	\$4,110,059	\$4,192,260	\$4,276,105	\$20,616,448	\$0	\$96,823,341	\$117,439,789

PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	
Description	From	To		
				Salaries, Wages, Benefits \$0
				Operating Costs \$0
				Other Capital Costs \$0
				Total Annual Operating Costs: \$0
				SOURCE:
				Total Annual Income \$0



TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE 140
DEPARTMENT:	TRANSPORTATION DEPT.	16-TRE-003	Millenia & Oak Ridge Dual Left SB								
DIVISION:	TRANS. ENGINEERING	PRIORITY: Existing Deficiency									
PROBLEM IDENTIFICATION OR NEED:										PROJECT RANKING Department Rating 2. CIE Requirement Y CONTACT: Jeremy Crowe 3262 REMARKS SERVICE AREA LOCATION	
The City's Traffic Studies Group has received numerous concerns and complaints about peak hour congestion at the signalized intersection for the southbound movement. The Traffic Studies Group has also collected information in the past and has noted high vehicle counts in the peak hour.											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
The City needs to design and construction an additional southbound turn lane which will be cut out of the current grassed median on Millenia Blvd. The signalized intersection needs to be restriped and the additional signal modifications are necessary to implement this additional turn lane.											
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
1072	\$150,000	\$0	\$0	\$0	\$0	\$150,000	\$0	\$160,000	\$310,000		
ALL	\$150,000	\$0	\$0	\$0	\$0	\$150,000	\$0	\$160,000	\$310,000		
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)						
Project Phasing		Estimated Time		Estimated Cost							
Description		From	To								
						Salaries, Wages, Benefits					
						Operating Costs					
						Other Capital Costs					
						Total Annual Operating Costs:					
						SOURCE:					
						Total Annual Income					

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # STW0012_P	PAGE 141
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	77-722-004	Miscellaneous Sidewalk Repair		
DIVISION:	ENGINEERING SERVICES	PRIORITY: Repair / Replacement			

PROBLEM IDENTIFICATION OR NEED:

This program is required for the routine maintenance of the City's pedestrian walkway system. A broken or raised sidewalk represents a safety hazard to citizens. Presently, the City's practice is to quickly respond to hazardous locations and make an area safer. This is accomplished by either grinding down the raised edge of the sidewalk, placing a temporary asphalt ramp toward the raised edge or by making an asphalt patch. The ultimate repairs are to perform appropriate tree root pruning and replace defective sidewalk sections.

PROJECT RANKING

Department Rating 1. 2
CIE Requirement N

CONTACT: Jim Hunt 3623

REMARKS

This is an ongoing program to repair only the most hazardous of broken sidewalks.

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Contracted assistance is needed to keep pace with sidewalk deficiencies. Continuous inspection, the Sidewalk Inventory with condition assessment, citizen complaints and accidents identify locations that need repairs.

For FY16/17 an additional \$150,000 allocated to be used toward Parramore Safe Routes to School Project (STW0012_P)

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
3001	\$1,150,000	\$300,000	\$300,000	\$300,000	\$300,000	\$2,350,000	\$300,000	\$6,340,808	\$8,990,808
1100	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000	\$800,000	\$6,127,305	\$7,927,305
ALL	\$1,350,000	\$500,000	\$500,000	\$500,000	\$500,000	\$3,350,000	\$1,100,000	\$12,468,113	\$16,918,113



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing Description	Estimated Time		Estimated Cost		
	From	To			
			Salaries, Wages, Benefits		\$0
			Operating Costs		\$0
			Other Capital Costs		\$0
			Total Annual Operating Costs:		\$0
			SOURCE:		
			Total Annual Income		\$0

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE
DEPARTMENT:	TRANSPORTATION DEPT.	16-TRE-001	Narcoossee Widening: SR 528 - SR 417							TRE0028_P	142
DIVISION:	TRANS. ENGINEERING	PRIORITY: Critical Deficiency									
PROBLEM IDENTIFICATION OR NEED:											
Current pavement conditions along Narcoossee Road between SR 528 and SR 417 dictate the need for repaving in the near future, and modelling shows that the capacity demand as a result of growth will necessitate the widening within the next 5-years.											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
Widen Narcoossee from a two-lane and to a 6-lane road.											
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
1071	\$3,500,000	\$3,500,000	\$3,500,000	\$0	\$0	\$10,500,000	\$0	\$6,500,000	\$17,000,000		
ALL	\$3,500,000	\$3,500,000	\$3,500,000	\$0	\$0	\$10,500,000	\$0	\$6,500,000	\$17,000,000		
PROJECT COST BY PHASE											
IMPACT ON OPERATING COST (+-)											
Project Phasing			Estimated Time		Estimated Cost						
Description			From	To							
					Salaries, Wages, Benefits						
					Operating Costs						
					Other Capital Costs						
					Total Annual Operating Costs:						
					SOURCE:						
					Total Annual Income						

PROJECT RANKING	
Department Rating	1.
CIE Requirement	Y
CONTACT: F J Flynn	2092
REMARKS	
<input type="checkbox"/> The funding agreement with Lake Nona was approved on June 6th, 2015 and provides for \$8 million in funding for the construction of Narcoossee Road as a six-lane facility.	
SERVICE AREA	
LOCATION	

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE 143
DEPARTMENT:	TRANSPORTATION DEPT.	08-660-001	New Traffic Signal Locations		
DIVISION:	TRANS. ENGINEERING	PRIORITY: Critical Deficiency			

PROBLEM IDENTIFICATION OR NEED:

Each year, intersections in the City are identified as meeting the "warrants" for signalization. Traffic volumes have increased, delay at these intersections and/or right angle accidents have resulted in citizen requests for timely installation of traffic signals. The installation of traffic signals can result in improvements to the safe and efficient movement of vehicles and pedestrians.

PROJECT RANKING

Department Rating 1 . 9
CIE Requirement N

CONTACT: Chris Kibler 3212355350

REMARKS

Gas Tax TRE0001_P
IFT - North TRE0003_P
IFT - SE TRE0025_P
IFT - SW TRE0004_P

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Provide funding for design at an average cost of \$25,000 per intersection and construction of traffic signalization at an average cost of \$250,000 per intersection.

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
1100	\$100,000	\$370,000	\$370,000	\$370,000	\$370,000	\$1,580,000	\$2,000,000	\$740,000	\$4,320,000
1071	\$0	\$300,000	\$300,000	\$300,000	\$300,000	\$1,200,000	\$0	\$1,350,000	\$2,550,000
1072	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000	\$0	\$450,000	\$1,200,000
1070	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000	\$500,000
ALL	\$250,000	\$820,000	\$820,000	\$820,000	\$820,000	\$3,530,000	\$2,000,000	\$3,040,000	\$8,570,000

PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing Description	Estimated Time		Estimated Cost
	From	To	
Annual equipment replacement	10/1/2017	9/30/2018	\$800,000
Annual equipment replacement	10/1/2016	9/30/2017	\$800,000
Annual equipment replacement	10/1/2015	9/30/2016	\$800,000
Annual equipment replacement	10/1/2014	9/30/2015	\$800,000
Annual equipment replacement	10/1/2013	9/30/2014	\$800,000

Salaries, Wages, Benefits	\$0
Operating Costs	\$44,418
Other Capital Costs	\$0
Total Annual Operating Costs:	\$44,418
Source:	
Total Annual Income	\$4,400



TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE
DEPARTMENT:	TRANSPORTATION DEPT.	14-TSP-002	Orange/Michigan Turn Lane							TSP0044_P	144
DIVISION:	TRANSPORTATION PLANNING	PRIORITY:									
PROBLEM IDENTIFICATION OR NEED:											
East bound truck traffic on Michigan Avenue turning south onto Orange Avenue routinely overrun the curb and sidewalk. Numerous attempts to engineer a solution have failed to produce the desired result. Mixing truck activity on the sidewalk creates a hazard for pedestrians.											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
Acquire additional ROW to increase the turning radii and reduce the hazard to pedestrians.											
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
1072	\$100,000	\$0	\$0	\$0	\$0	\$100,000	\$0	\$0	\$100,000		
ALL	\$100,000	\$0	\$0	\$0	\$0	\$100,000	\$0	\$0	\$100,000		
PROJECT COST BY PHASE											
IMPACT ON OPERATING COST (+-)											
Project Phasing			Estimated Time		Estimated Cost						
Description			From	To							
					Salaries, Wages, Benefits						
					Operating Costs						
					Other Capital Costs						
					Total Annual Operating Costs:						
					SOURCE:						
					Total Annual Income						
PROJECT RANKING											
Department Rating 0.											
CIE Requirement											
CONTACT: Claudia Korobkoff 2180											
REMARKS											
This project is split funded 50/50 Transportation and DSNID											
PY funding - planning study											
FY19 IFT-SW funding is for anticipated ROW											
SERVICE AREA											
SOUTH ORANGE											
LOCATION											

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE				
DEPARTMENT:	TRANSPORTATION DEPT.	15-TSP-001	Orlando Urban Trail between Overpass to Magnolia						
DIVISION:	TRANSPORTATION PLANNING	PRIORITY: Future Need/Planned Expansion	TSP0001_P			145			
PROBLEM IDENTIFICATION OR NEED:				PROJECT RANKING					
<p>The programmed construction of the Colonial Overpass trail bridge will leave a gap of approximately 0.4 miles in the existing Orlando Urban trail between the northern terminus of Gertrude's Walk and the existing western terminus of the Dinky Line trail segment at Magnolia Avenue. Closing this gap will increase bicycle safety, improve access to Downtown destinations, support general bicycle mobility within Downtown Orlando, and increase the livability of Downtown Business District. A conceptual study of this segment was accomplished during the 2014 Orlando Primary Bicycle Route Study.</p>				Department Rating 4 . 29 CIE Requirement Y					
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):				CONTACT: Ian Sikonia 246-3325					
<p>Design a protected bikeway to complete the northern portion of the Orlando Urban Trail creating a safe and convenient connection to the Central Business District for bicyclists and pedestrians. The funds for the construction phase of this trail segment are currently located within Metroplan Orlando's Prioritized Project List and do not require a city match.</p>				REMARKS					
				Design Phase IFT - North					
				Construction estimate: \$2,900,000					
				2.22.2018 - City Council approved FDOT Local Agency Program (LAP) Grant on January 22, 2018 for design \$814,546. It is anticipated there will be a forthcoming LAP for construction. The funding requested in FY21 is for costs not eligible for grant.					
				SERVICE AREA					
				DOWNTOWN					
				LOCATION					
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR									
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
1070	\$0	\$0	\$500,000	\$0	\$0	\$500,000	\$0	\$400,000	\$900,000
ALL	\$0	\$0	\$500,000	\$0	\$0	\$500,000	\$0	\$400,000	\$900,000
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+/-)				
Project Phasing		Estimated Time		Estimated Cost					
Description		From	To			Salaries, Wages, Benefits			
						Operating Costs			
						Other Capital Costs			
						Total Annual Operating Costs:			
						SOURCE:			
						Total Annual Income			

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # TRE0010_P	PAGE 146
DEPARTMENT:	TRANSPORTATION DEPT.	90-756-002	Pavement Marking Maintenance		
DIVISION:	TRANS. ENGINEERING	PRIORITY: Repair / Replacement			

PROBLEM IDENTIFICATION OR NEED:
Pavement markings wear out, fade and lose reflectivity with time and use. Properly maintained markings lead to improved safety on roads and streets.

PROJECT RANKING	
Department Rating	3 . 17
CIE Requirement	N

CONTACT: Cade Braud 3377

REMARKS
Project is under funded due to limited Gas Tax funding.

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):
Continue a Pavement Marking Upgrade Program to provide for routine upgrade of critical traffic pavement marking and raised reflective markers. Replacement based upon reflectivity, condition and type of facility. Majority of pavement marking renewal is by contract due to personnel and equipment availability.

For FY19 - Transportation is proposing for this project to be funded via Capital Improvement Funds, due to limited funds in Gas Tax. It should be noted, this project was previously funded in both CIP Fund & Gas Tax.

SERVICE AREA
CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
1100	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$1,750,000	\$500,000	\$2,645,382	\$4,895,382
3001	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000	\$800,000	\$1,300,000
ALL	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$1,750,000	\$1,000,000	\$3,445,382	\$6,195,382



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	
Description	From	To		
				Salaries, Wages, Benefits \$0
				Operating Costs \$0
				Other Capital Costs \$0
				Total Annual Operating Costs: \$0
				SOURCE:
				Total Annual Income \$0

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	79-722-001	Pavement Rehabilitation							4103	147
DIVISION:	STREETS & STORMWATER SVCS	PRIORITY: Repair / Replacement									
PROBLEM IDENTIFICATION OR NEED:											
<p>A continuing program of pavement rehabilitation is required to maintain 700 miles of pavement within the City of Orlando. Pavement surfaces have a life of approximately 15 years depending upon traffic loading, environment and drainage conditions. A condition assessment completed in December 2006 indicates that Orlando's average pavement condition is relatively good and a budget of \$2.5M is required to keep the conditions at the same level. Pavement rehabilitation spending below \$2.5M will result in overall declining pavement surface conditions. Deferring maintenance costs will result in a significant backlog of needs.</p>											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
<p>Specific locations and strategies are identified annually based on condition assessments. A mix of pavement rehabilitation techniques are used to maximize pavement conditions and extend usable life. A funding level of \$2.5M will keep Orlando's pavement conditions stable and will accomplish an average annual program consisting of: \$250,000 for rejuvenation, \$1,125,000 for hot-in-place resurfacing and \$1,125,000 for conventional resurfacing.</p>											
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
1100	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$10,000,000	\$8,000,000	\$43,711,053	\$61,711,053		
3001	\$1,250,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,250,000	\$0	\$80,000	\$5,330,000		
ALL	\$3,250,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$15,250,000	\$8,000,000	\$43,791,053	\$67,041,053		
PROJECT COST BY PHASE											
Project Phasing			Estimated Time		Estimated Cost		IMPACT ON OPERATING COST (+-)				
Description			From	To							
					Salaries, Wages, Benefits		\$0				
					Operating Costs		\$0				
					Other Capital Costs		\$0				
					Total Annual Operating Costs:		\$0				
					SOURCE:						
					Total Annual Income		\$0				
PROJECT RANKING											
Department Rating								3 . 1			
CIE Requirement								N			
CONTACT: Lisa Henry 3646											
REMARKS											
Project STW0009_P											
SERVICE AREA											
CITYWIDE											
LOCATION											



TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # TRE0034_P	PAGE 148
DEPARTMENT:	TRANSPORTATION DEPT.	16-TRE-002	Radebaugh Way Road Widening		
DIVISION:	TRANS. ENGINEERING	PRIORITY: Existing Deficiency			

PROBLEM IDENTIFICATION OR NEED:

The FDOT is currently improving the I-4 and bridge over Radebaugh Way. During heavy congestion periods both directions of Radebaugh queue the entire length of this short connector roadway. Along with FDOT improving the interstate, the City needs to improve this facility in order to allow for more queue storage so traffic is not blocked on Millenia Blvd or Vineland Rd.

PROJECT RANKING

Department Rating 2.
CIE Requirement Y

CONTACT: Jeremy Crowe 3262

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

The City needs to fund, through the coordination with I4MP and FDOT, the expansion of this 530 foot section of roadway to either a four to five lane cross section and perform the necessary signal modifications for this expansion.

SERVICE AREA

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
1072	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$0	\$200,000	\$400,000
ALL	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$0	\$200,000	\$400,000

PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	
Description	From	To		
				Salaries, Wages, Benefits
				Operating Costs
				Other Capital Costs
				Total Annual Operating Costs:
				SOURCE:
				Total Annual Income

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # 4339	PAGE 149
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	86-725-002	Railroad Grade Crossing Rehabilitation		
DIVISION:	ENGINEERING SERVICES	PRIORITY: Repair / Replacement			

PROBLEM IDENTIFICATION OR NEED:

Railroad grade crossings throughout the City were replaced in the late 80's. Rubberized crossings replaced old timber construction that had been in place for many years. Major increases in traffic volumes have led to many failures of the rubberized crossings although many have reached their predicted life. Several crossings are in need of replacement and the City has responsibility for all City jurisdictional roadways.

PROJECT RANKING

Department Rating 3 . 4
CIE Requirement N

CONTACT: Jim Hunt 3623

REMARKS

FY 2012-13 funding moved to next year.
FY 2013-14 funding moved to next year.
RMCox

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Standard specifications for railroad grade crossings now calls for concrete pads rather than the rubberized grade crossings. Conversions of the crossing pads will continue as the rubberized crossing pads deteriorate and when accumulated funds become available.

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
1100	\$0	\$100,000	\$0	\$100,000	\$0	\$200,000	\$1,100,000	\$2,104,886	\$3,404,886
OF	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$370,000	\$370,000
ALL	\$0	\$100,000	\$0	\$100,000	\$0	\$200,000	\$1,100,000	\$2,474,886	\$3,774,886

PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing Description	Estimated Time		Estimated Cost		
	From	To			
				Salaries, Wages, Benefits	\$0
				Operating Costs	\$0
				Other Capital Costs	\$0
				Total Annual Operating Costs:	\$0
				SOURCE:	
				Total Annual Income	\$0



TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE
DEPARTMENT:	TRANSPORTATION DEPT.	81-755-004	Regional Computerized Signal System		
DIVISION:	TRANS. ENGINEERING	PRIORITY: Repair / Replacement			

TRE0012_P 150

PROBLEM IDENTIFICATION OR NEED:

The majority of the signalized intersections in the City operate in a coordinated system. A connected system provides coordination with other adjacent or area signals to allow for traffic flow continuity on arterials or grid-type road networks and for monitoring of signals. Since 2002, the multi-pair copper cable network has begun to fail frequently and needs to be replaced with a new communications system. Optical Fiber Interconnect allows for the replacement of the older communications cable and for true connection of un-connected signals.

The video wall located in the Traffic Management Center (TMC) was purchased in 2003. It consists of a control unit and 12 rear projection screens, using incandescent lamps. The vendor no longer manufactures replacement parts and the video wall controller does not support all of the types of video streams from our CCTV system. CEK

PROJECT RANKING
Department Rating 1. 7
CIE Requirement Y

CONTACT: Benton Bonney 246-3626

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

This on-going project ensures the continuous maintenance and replacement of existing signal communications and the connection of remote devices.

Implementation to replace obsolete equipment and software. This will reduce maintenance costs and resolve operational deficiencies. Later funding required for ongoing upgrading and cable replacement as well as traffic signal re-timing and optimization of signal operations. This includes the operations and maintenance of the fiber optic communication equipment, traffic signal control software and video wall hardware and software.

Replace video wall display cubes and video wall controller with new, solid state equipment and a controller with enhanced decoding capabilities to support all types of CCTV. CEK

SERVICE AREA
CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
1100	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	\$800,000	\$3,300,140	\$4,600,140
ALL	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	\$800,000	\$3,300,140	\$4,600,140



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing Description	Estimated Time		Estimated Cost	
	From	To		
				Salaries, Wages, Benefits
				Operating Costs \$61,000
				Other Capital Costs \$7,200
				Total Annual Operating Costs:
				SOURCE:
				Total Annual Income \$0

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE 151
DEPARTMENT:	TRANSPORTATION DEPT.	19-TSP-002	Robinson Street "Complete Streets"								
DIVISION:	TRANSPORTATION PLANNING	PRIORITY:									
PROBLEM IDENTIFICATION OR NEED:										PROJECT RANKING Department Rating 0. CIE Requirement	
There is a need to improve multimodal access along Robinson Street from Hughey Avenue in the Central Business District to Maguire in the Milk District to support downtown growth and consistent with corridor character.											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
This project would incorporate "Complete Streets" principles to improve pedestrian safety and accommodate bicycling needs for all users on trips accessing the corridor.										CONTACT: Gus Castro 3385	
										REMARKS Anticipated FDOT funding	
										SERVICE AREA	
										LOCATION	
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
1100	\$0	\$0	\$6,481,000	\$0	\$0	\$6,481,000	\$0	\$0	\$6,481,000		
ALL	\$0	\$0	\$6,481,000	\$0	\$0	\$6,481,000	\$0	\$0	\$6,481,000		
PROJECT COST BY PHASE						IMPACT ON OPERATING COST (+-)					
Project Phasing		Estimated Time		Estimated Cost							
Description		From	To								
						Salaries, Wages, Benefits					
						Operating Costs					
						Other Capital Costs					
						Total Annual Operating Costs:					
						SOURCE:					
						Total Annual Income					

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # 4105	PAGE 152
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	84-722-039	School Safety Sidewalk Program		
DIVISION:	STREETS & STORMWATER SVCS	PRIORITY: Critical Deficiency			

PROBLEM IDENTIFICATION OR NEED:

A number of locations have been identified as pedestrian/bike routes for children going to school that are without the benefit of sidewalks. These routes are usually located along heavily traveled collector/arterial streets. Locations are identified through coordination with Orange County Schools and Transportation Engineering.

PROJECT RANKING

Department Rating 1 . 1
CIE Requirement Y

CONTACT: Jim Hunt 3623

REMARKS

FA = FDOT LAP using funds from the FHA as approved by City Council on 3/7/11. Project STW0011_P

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Continue the program to construct sidewalks/bike paths along collector/arterial streets at all identified locations.

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
3001	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$3,000,000	\$400,000	\$8,937,000	\$12,337,000
1100	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	\$0	\$4,883,965	\$5,383,965
	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
ALL	\$700,000	\$700,000	\$700,000	\$700,000	\$700,000	\$3,500,000	\$400,000	\$13,820,965	\$17,720,965



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing Description	Estimated Time		Estimated Cost		
	From	To			
			Salaries, Wages, Benefits		\$0
			Operating Costs		\$0
			Other Capital Costs		\$0
			Total Annual Operating Costs:		\$0
			SOURCE:		
			Total Annual Income		\$0

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE
DEPARTMENT:	TRANSPORTATION DEPT.	18-TSP-003	Shingle Creek Trail							CIP0051_P	153
DIVISION:	TRANSPORTATION PLANNING	PRIORITY: Existing Deficiency									
PROBLEM IDENTIFICATION OR NEED:											
<p>The City of Orlando's Shingle Creek Multi-Use Trail project is a proposed multi-use trail (varying from 10-14 feet in width) extending from Oak Ridge Road to Sand Lake Road. City Transportation Planning, working with Metro Plan and directly with the FDOT, Orange County and Osceola County, identified this particular segment as an integral part of the 26+ mile regional Shingle Creek Trail. The project design is substantially funded with Federal Surface Transportation Funding. The project is scheduled to receive Federal Surface Transportation Funding for the construction phase. This funding will address the majority of the construction costs and the balance of the funding will be borne by the City of Orlando.</p>											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
<p>The Right of Way acquisition phase has been completed and the ROW Certification form was executed by the City of Orlando. The design plans are complete. The project construction is scheduled for a start date in 2017 consistent with the availability of FDOT work program funding.</p>											
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
1072	\$500,000	\$0	\$0	\$0	\$0	\$500,000	\$0	\$500,000	\$1,000,000		
ALL	\$500,000	\$0	\$0	\$0	\$0	\$500,000	\$0	\$500,000	\$1,000,000		
PROJECT COST BY PHASE											
IMPACT ON OPERATING COST (+-)											
Project Phasing			Estimated Time		Estimated Cost						
Description			From	To							
					Salaries, Wages, Benefits						
					Operating Costs						
					Other Capital Costs						
					Total Annual Operating Costs:						
					SOURCE:						
					Total Annual Income						

PROJECT RANKING	
Department Rating	2 .
CIE Requirement	
CONTACT: Ian Sikonia	246-3225
REMARKS	
This is an existing project in Workday, new to the CIP Database for FY18.	
SERVICE AREA	
METROWEST	
LOCATION	

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE 154
DEPARTMENT:	TRANSPORTATION DEPT.	19-FAC-004	Smart Cities Capital Project								
DIVISION:	DIRECTOR OF TRANSPORTATION	PRIORITY:									
PROBLEM IDENTIFICATION OR NEED:										PROJECT RANKING Department Rating 0. CIE Requirement	
Need to build a data-driven infrastructure that will support safer, cleaner and more efficient travel and an improved quality of life for our community.											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
										CONTACT:	
										REMARKS	
										SERVICE AREA	
										CITYWIDE	
										LOCATION	
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
3001	\$400,000	\$0	\$0	\$0	\$0	\$400,000	\$0	\$0	\$400,000		
ALL	\$400,000	\$0	\$0	\$0	\$0	\$400,000	\$0	\$0	\$400,000		
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)						
Project Phasing		Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs: SOURCE: Total Annual Income						
Description		From	To								

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE
DEPARTMENT:	TRANSPORTATION DEPT.	15-TSP-007	SunRail Corridor Quiet Zone							TSP0051_P	155
DIVISION:	TRANSPORTATION PLANNING	PRIORITY: Existing Deficiency									
PROBLEM IDENTIFICATION OR NEED:											
<p>The City of Orlando is installing Supplemental Safety Measures (SSM) at at-grade railroad crossings along the SunRail corridor in preparation for establishing a Quiet Zone for train horns in accordance with Federal Railroad Administration (FRA) rules. The total project cost to treat all 26 intersections within City of Orlando limits is estimated at \$6 million. Currently the City intends to install SSMs at 15 to 19 of the 26 at-grade crossings in Orlando using City funds totaling \$1.8 M and an FDOT grant for \$974 K as Phase 1 of this project. The City of Orlando goal is to treat all remaining crossings as Phase 2 of this project.</p>											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
<p>The second phase of the project is envisioned as an annual CIP expenditure to add SSMs at one or two untreated crossings each year until all 26 crossings have FRA approved SSMs installed and operational. This request is the first of these requests to add SSMs at two crossings which were not included in Phase 1. Additional funding will also be sought through the Downtown CRA for untreated crossings within their boundaries.</p>											
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
1100	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$2,000,000	\$0	\$800,000	\$2,800,000		
3001	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
ALL	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$2,000,000	\$0	\$800,000	\$2,800,000		
PROJECT COST BY PHASE											
IMPACT ON OPERATING COST (+-)											
Project Phasing		Estimated Time		Estimated Cost							
Description		From	To								
Design and Construction		10/1/2015	9/30/2017								
				Salaries, Wages, Benefits							
				Operating Costs							
				Other Capital Costs							
				Total Annual Operating Costs:							
				SOURCE:							
				Total Annual Income							

PROJECT RANKING	
Department Rating	2 . 32
CIE Requirement	N
CONTACT: John Rhoades	246-2293
REMARKS	
\$400,000 roughly funds one intersection	
SERVICE AREA	
DOWNTOWN	
LOCATION	

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE
DEPARTMENT:	TRANSPORTATION DEPT.	13-734-001	Terry Avenue – South Extension		
DIVISION:	TRANSPORTATION PLANNING	PRIORITY:			

TSP0005_P 156

PROBLEM IDENTIFICATION OR NEED:

The SR 408 Expressway and ramps to I-4 trisect the Holden/Parramore Neighborhood, and restrict travel between the three areas.

PROJECT RANKING

Department Rating 0.
CIE Requirement Y

CONTACT: F J Flynn 2092

REMARKS

Right-of-Way is needed

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

The Florida Department of Transportation (FDOT) plans to begin construction of the I-4 Ultimate Improvements in Calendar Year 2014 and finish the work by 2020. The work will reconfigure the interchange with SR408, and move the ramps out of the Holden/Parramore Neighborhood. In conjunction with these improvements, the City proposes to extend Terry Avenue south from Church Street to Gore Avenue, where a signal will provide access to Gore Ave and the on-ramp to west bound I-4. The extension will help to re-establish the local street network while providing another north/south route for the residents.

SERVICE AREA

CLUSTER 12

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
1072	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$200,000	\$200,000
1070	\$332,000	\$332,000	\$332,000	\$0	\$0	\$996,000	\$0	\$652,000	\$1,648,000
ALL	\$332,000	\$332,000	\$332,000	\$0	\$0	\$996,000	\$0	\$852,000	\$1,848,000



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	Salaries, Wages, Benefits
Description	From	To		
				Other Capital Costs
				Total Annual Operating Costs:
				SOURCE:
				Total Annual Income

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # TRE0016_P	PAGE 157
DEPARTMENT:	TRANSPORTATION DEPT.	05-734-026	Traffic Counts and Travel Time Studies		
DIVISION:	TRANS. ENGINEERING	PRIORITY: Existing Deficiency			

PROBLEM IDENTIFICATION OR NEED:

Traffic count data is necessary to maintain proper traffic signal timing and coordination. As development occurs and traffic patterns change, traffic coordination timing plans have to be reevaluated and updated. The data also facilitates proper planning for future transportation improvements, safety improvements and neighborhood traffic assignment and planning.

PROJECT RANKING

Department Rating 1. 8
CIE Requirement N

CONTACT: Cade Braud 3377

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

A critical component for this effort is annual traffic counts on roadways, turning movement counts at signalized intersections and travel time studies along identified key roads throughout the City. These studies will provide annual metrics to help evaluate performance of specific corridors in Orlando.

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
1100	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	\$0	\$1,294,000	\$1,794,000
ALL	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	\$0	\$1,294,000	\$1,794,000



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	Salaries, Wages, Benefits
Description	From	To		
				Other Capital Costs
				Total Annual Operating Costs:
				SOURCE:
				Total Annual Income

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # TRE0007_P	PAGE 158
DEPARTMENT:	TRANSPORTATION DEPT.	87-757-005	Traffic Signal Refurbishing Program		
DIVISION:	TRANS. ENGINEERING	PRIORITY: Repair / Replacement			

PROBLEM IDENTIFICATION OR NEED:

Traffic control signal equipment has a life span of approximately ten years after which maintenance costs increase significantly and reliability is brought into question. An established preventive maintenance and replacement program is essential for proper maintenance and to obtain reliability.

PROJECT RANKING

Department Rating 3 . 16
CIE Requirement N

CONTACT: Benton Bonney 3626

REMARKS

An estimated \$400,000 per year in replacement costs exist.

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Purchase preventive maintenance equipment and implement a regular program to extend equipment life. An equipment replacement program amounting to approximately 20 intersections per year at an average cost of \$20,000 per intersection is required.

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
3001	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$1,286,133	\$2,286,133
1100	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000	\$1,000,000	\$4,289,699	\$6,289,699
ALL	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000	\$2,000,000	\$5,575,832	\$8,575,832



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost		
Description	From	To			
				Salaries, Wages, Benefits	\$0
				Operating Costs	\$0
				Other Capital Costs	\$0
				Total Annual Operating Costs:	\$0
				SOURCE:	
				Total Annual Income	\$0

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # 6252	PAGE 159
DEPARTMENT:	TRANSPORTATION DEPT.	09-815-004	Transportation Studies/Professional Services		
DIVISION:	TRANSPORTATION PLANNING	PRIORITY: Future Need/Planned Expansion			

PROBLEM IDENTIFICATION OR NEED:
The Transportation Planning Division plans to undertake studies within the North, Southeast and Southwest districts that will require professional services by an outside consultant. The studies will include transit expansion in the North, and potential transit corridors in the Southeast and Southwest. In addition, the City of Orlando also has unfunded Growth Management and Land Development Regulation mandates to implement as a result of SB 360.

PROJECT RANKING
Department Rating 4 . 8
CIE Requirement N

CONTACT: Nancy Ottini x3529

REMARKS
North District \$50,000 (TSP0014_P);
Southwest District \$50,000 (TSP0028_P);
Southeast District \$50,000 (TSP0009_P).

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Provide funding for the studies.

SERVICE AREA
CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
1070	\$0	\$50,000	\$0	\$50,000	\$0	\$100,000	\$0	\$450,000	\$550,000
1071	\$0	\$50,000	\$0	\$50,000	\$0	\$100,000	\$0	\$0	\$100,000
1072	\$0	\$50,000	\$0	\$50,000	\$0	\$100,000	\$0	\$0	\$100,000
ALL	\$0	\$150,000	\$0	\$150,000	\$0	\$300,000	\$0	\$450,000	\$750,000



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs: SOURCE: Total Annual Income
Description	From	To		

TYPE OF SERVICE:	Transportation	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE 160
DEPARTMENT:	TRANSPORTATION DEPT.	19-TSP-001	Virginia Drive Improvements								
DIVISION:	TRANSPORTATION PLANNING	PRIORITY:									
PROBLEM IDENTIFICATION OR NEED:										PROJECT RANKING Department Rating 0. CIE Requirement	
In 2017, the City approved the Virginia/ Lake Highland Transportation and Land Use Study, which was developed with substantial community input and recommends streetscape improvements and utility improvements for the Virginia Drive corridor. Existing infrastructure is insufficient to serve the increasing number of pedestrians and cyclists in the corridor.											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
Streetscape project to include placing utilities underground, improving sidewalks, adding parkways, landscaping, curb extensions or bulb outs, and bicycle infrastructure. First-year funding is for design. Later year construction costs are estimated, and will be refined once design is complete.										CONTACT: Claudia Korobkoff 2180	
										REMARKS	
										SERVICE AREA	
										LOCATION	
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
1100	\$250,000	\$0	\$500,000	\$500,000	\$1,000,000	\$2,250,000	\$0	\$0	\$2,250,000		
ALL	\$250,000	\$0	\$500,000	\$500,000	\$1,000,000	\$2,250,000	\$0	\$0	\$2,250,000		
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)						
Project Phasing		Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs: SOURCE: Total Annual Income						
Description		From	To								



WATER RECLAMATION

THIS PAGE LEFT INTENTIONALLY BLANK

CITY OF ORLANDO
2019-2023 CAPITAL IMPROVEMENT PROGRAM
Listing For Wastewater

PROJECT NAME	PROJECT ID	PR	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YEAR	PRIOR	FUTURE	TOTAL	CIE
Conserv I Area Collection System Im	06-344-02	2.12	0	2,000,000	1,000,000	2,000,000	2,000,000	7,000,000	9,350,000	600,000	16,950,000	Y
Conserv I Expansion Joint Repair or	19-WAS-003	3.	100,000	0	0	0	0	100,000	0	0	100,000	
Conserv I Reclaimed Water Storage	07-351-003	4.34	0	0	0	6,500,000	0	6,500,000	500,000	0	7,000,000	N
Conserv I Treatment Plant Improvem	19-WAS-005	4.	1,500,000	7,500,000	7,500,000	0	0	16,500,000	0	0	16,500,000	
Conserv II Area Collection System I	13-344-001	2.10	1,000,000	4,500,000	3,500,000	2,000,000	2,000,000	13,000,000	6,450,000	0	19,450,000	Y
Conserv II Equalization Pumping Sta	16-WAS-006	2.	4,500,000	0	0	0	0	4,500,000	600,000	0	5,100,000	N
Conserv II Plant Water System Eval	19-WAS-004	3.	500,000	0	0	0	0	500,000	0	0	500,000	
Conserv II Process Improvements a	03-352-002	4.20	0	500,000	2,500,000	0	0	3,000,000	4,850,000	0	7,850,000	N
Conserv II RIB Site 1 & 10 Expansio	12-352-001	4.26	0	4,000,000	0	0	0	4,000,000	4,100,000	0	8,100,000	Y
Easterly Wetlands Restoration	13-359-001	2.	0	500,000	500,000	500,000	500,000	2,000,000	2,600,000	0	4,600,000	N
Iron Bridge Area Collection System I	15-WAS-001	2.	1,500,000	2,500,000	1,500,000	1,500,000	1,500,000	8,500,000	2,800,000	0	11,300,000	N
Iron Bridge Biosolids Disposal Impro	19-WAS-002	0.	500,000	5,000,000	0	0	0	5,500,000	0	0	5,500,000	
Iron Bridge Diffused Air Impovement	17-WAS-003	1.	1,800,000	0	0	0	0	1,800,000	750,000	0	2,550,000	
Iron Bridge Grit System Replacemen	15-WAS-003	2.	1,000,000	8,000,000	0	0	0	9,000,000	2,100,000	0	11,100,000	N
Iron Bridge Storm Water A Improve	17-WAS-002	2.	400,000	0	0	0	0	400,000	100,000	0	500,000	
Iron Bridge Ventilation for Biosolids	17-WAS-001	1.	900,000	0	0	0	0	900,000	100,000	0	1,000,000	
Lift Station Odor Control	11-354-002	4.21	0	500,000	500,000	500,000	500,000	2,000,000	4,000,000	0	6,000,000	N
Lift Station Rehabilitation	07-354-002	3.1	3,000,000	3,000,000	5,000,000	3,000,000	3,000,000	17,000,000	23,000,000	0	40,000,000	N
Lift Station Site Improvements	12-354-001	2.24	500,000	500,000	500,000	500,000	500,000	2,500,000	5,000,000	0	7,500,000	N
Lift Station Underground Rehabilitati	05-354-001	2.3	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	7,500,000	9,725,000	0	17,225,000	N
Lift Stations Electrical Safety Improv	13-354-001	2.32	1,000,000	400,000	2,000,000	400,000	1,000,000	4,800,000	3,750,000	0	8,550,000	Y
Lift Stations Emergency Generators	19-WAS-001	2.	0	2,000,000	2,500,000	2,500,000	2,500,000	9,500,000	0	0	9,500,000	
Line Sewers	07-344-001	3.18	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000	6,250,000	850,000	17,100,000	N
LS1,2,3 and 4 Force Main Evaluation	12-354-002	2.15	1,500,000	3,000,000	2,000,000	2,000,000	2,000,000	10,500,000	7,300,000	0	17,800,000	N
Rapid Response Construction	08-344-003	3.9	1,000,000	2,500,000	2,500,000	2,500,000	3,000,000	11,500,000	7,700,000	0	19,200,000	N
Reclaimed Water System Valve Repl	19-WAS-009	3.	0	1,000,000	0	0	0	1,000,000	0	0	1,000,000	N
Rehab of old lab facility to an educati	16-WAS-008	2.	150,000	0	0	0	0	150,000	250,000	0	400,000	N
Sanitary Service Lateral Rehabilitatio	16-WAS-001	3.	500,000	2,500,000	2,500,000	2,000,000	2,000,000	9,500,000	500,000	0	10,000,000	N
Sanitary System Corrosion Abateme	16-WAS-002	3.	0	1,000,000	1,000,000	1,000,000	1,000,000	4,000,000	3,000,000	0	7,000,000	N
Sanitary upgrades with other projects	16-WAS-003	2.	1,000,000	1,500,000	1,500,000	1,500,000	1,500,000	7,000,000	3,000,000	0	10,000,000	N

CITY OF ORLANDO
2019-2023 CAPITAL IMPROVEMENT PROGRAM
Listing For Wastewater

PROJECT NAME	PROJECT D PR	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE_YEAR	PRIOR	FUTURE	TOTAL CIE		
Sewage ARV Replacement	11-344-006	3.14	1,500,000	300,000	1,500,000	300,000	1,500,000	5,100,000	1,900,000	0	7,000,000	N
TOTAL			\$27,350,000	\$56,200,000	\$41,500,000	\$32,200,000	\$28,000,000	\$185,250,000	\$109,675,000	\$1,450,000	\$296,375,000	

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	06-344-02	Conserv I Area Collection System Improvements		
DIVISION:	WASTEWATER	PRIORITY: Existing Deficiency			

2889 164

PROBLEM IDENTIFICATION OR NEED:

The City is experiencing rapid development in the downtown and surrounding areas including high rise office buildings, condominiums, retail establishment and the expansion of Orlando Regional Medical Center. Substantial quantities of additional wastewater flow must be accommodated by the City's sanitary collection system.

PROJECT RANKING
Department Rating 2 . 12
CIE Requirement Y

CONTACT: Charles Shultz x2213

REMARKS

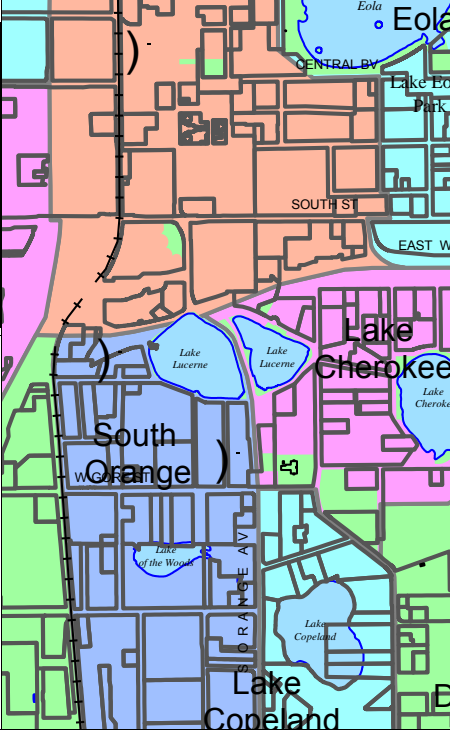
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Study and evaluate the extent of the additional sewage flow and plan accordingly for upsizing and replacement.

SERVICE AREA

DOWNTOWN

LOCATION



PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4106	\$2,000,000	\$2,000,000	\$1,000,000	\$2,000,000	\$0	\$7,000,000	\$600,000	\$9,350,000	\$16,950,000
ALL	\$2,000,000	\$2,000,000	\$1,000,000	\$2,000,000	\$0	\$7,000,000	\$600,000	\$9,350,000	\$16,950,000

PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing Description	Estimated Time		Estimated Cost
	From	To	
Study and Evaluate			\$450,000
Construction/CM Costs			\$4,500,000
Design			\$500,000

Salaries, Wages, Benefits
 Operating Costs
 Other Capital Costs
 Total Annual Operating Costs:

SOURCE:
 Total Annual Income

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE 165
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	19-WAS-003	Conserv I Expansion Joint Repair or Replace								
DIVISION:	WASTEWATER PROCESS/OPERATIO	PRIORITY: Repair / Replacement									
PROBLEM IDENTIFICATION OR NEED:										PROJECT RANKING Department Rating 3. CIE Requirement	
There are 23 concrete expansion joints on the elevated channels between each of the process areas. These joints are over thirty years old and in need ofv replacing before they fail.											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION): Repair or replace ceach joint.											
										CONTACT: steve shelnutt 40	
										REMARKS	
										SERVICE AREA	
										CITYWIDE	
										LOCATION	
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
4106	\$100,000	\$0	\$0	\$0	\$0	\$100,000	\$0	\$0	\$100,000		
ALL	\$100,000	\$0	\$0	\$0	\$0	\$100,000	\$0	\$0	\$100,000		
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)						
Project Phasing		Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs: SOURCE: Total Annual Income						
Description		From	To								

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	07-351-003	Conserv I Reclaimed Water Storage		
DIVISION:	WASTEWATER	PRIORITY: Future Need/Planned Expansion			

6306 166

PROBLEM IDENTIFICATION OR NEED:

The Water Conserv I Water Reclamation Facility will be decommissioned within two years. However, some areas of the facility will continue to operate as it receives raw wastewater from the Water Conserv I service area, pumps raw wastewater to Iron Bridge and repumps reclaimed water into the distribution system. One of the process areas that will remain in service is the reclaimed water storage tank which is currently not covered. Additional storage and pumping facilities will also be required to accommodate the increasing demand for reclaimed water in the areas south and east of the Water Conserv I WRF.

PROJECT RANKING
Department Rating 4 . 34
CIE Requirement N

CONTACT: Robert Rutter x2573

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

The reclaimed water storage tank will be covered to ensure that the quality of the stored water is not compromised. A new reclaimed water pumping and storage facility will be constructed in the Lake Nona area to improve the distribution of reclaimed water to customers in the new developments.

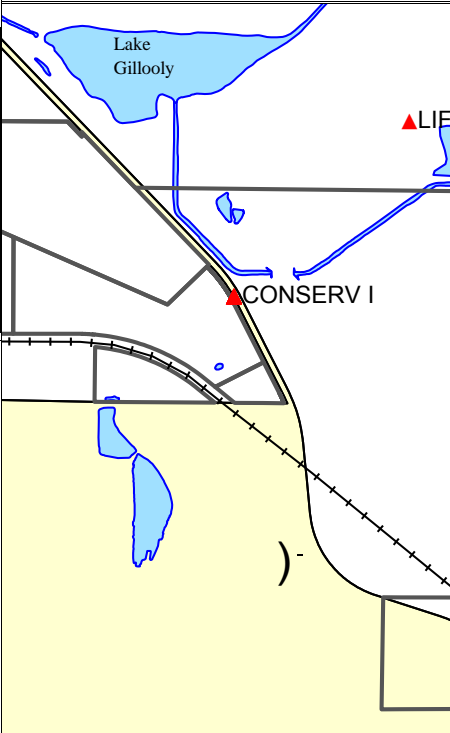
SERVICE AREA

SOUTHEAST WASTEWATER SERVICE AR

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4106	\$0	\$0	\$0	\$6,500,000	\$0	\$6,500,000	\$0	\$0	\$6,500,000
4106	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000	\$500,000
ALL	\$0	\$0	\$0	\$6,500,000	\$0	\$6,500,000	\$0	\$500,000	\$7,000,000



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing Description	Estimated Time		Estimated Cost
	From	To	

- Salaries, Wages, Benefits
- Operating Costs
- Other Capital Costs
- Total Annual Operating Costs:

SOURCE:
Total Annual Income

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE 167
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	19-WAS-005	Conserv I Treatment Plant Improvements								
DIVISION:	WASTEWATER PROCESS/OPERATIO	PRIORITY: Future Need/Planned Expansion									
PROBLEM IDENTIFICATION OR NEED:										PROJECT RANKING Department Rating 4 . CIE Requirement	
The facility is currently permitted to process 7.5 MGD at secondary standards. The facility needs to be upgraded to 10 MGD and AWT standards to meet growing needs of the service area and the discharge requirements of the Florida Department of Environmental Protection.											
CONTACT: Steve Shelnut 40											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):										REMARKS	
Evaluate, design, and construct treatment plant improvements to attain desired results.										SERVICE AREA	
										CITYWIDE	
										LOCATION	
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
4106	\$1,500,000	\$7,500,000	\$7,500,000	\$0	\$0	\$16,500,000	\$0	\$0	\$16,500,000		
ALL	\$1,500,000	\$7,500,000	\$7,500,000	\$0	\$0	\$16,500,000	\$0	\$0	\$16,500,000		
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)						
Project Phasing		Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs: SOURCE: Total Annual Income						
Description		From	To								

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE 168
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	13-344-001	Conserv II Area Collection System Improvements		
DIVISION:	WASTEWATER	PRIORITY:	Existing Deficiency		

PROBLEM IDENTIFICATION OR NEED:

The Wastewater Division has removed extensive amounts of sand and grit from the large diameter gravity pipe that conveys wastewater to the Conserv II WRF. The amount of sand and grit removed from the pipe indicates that the upstream collection system has defective piping, which allows sand into the system, reduces pipe flow capacity, and could cause roadway depressions/subsidence.

PROJECT RANKING

Department Rating 2 . 10
CIE Requirement Y

CONTACT: Chuck Shultz x26

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Investigate, plan, and construct improvements to correct piping.

SERVICE AREA

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4106	\$1,000,000	\$4,500,000	\$3,500,000	\$2,000,000	\$0	\$11,000,000	\$0	\$6,450,000	\$17,450,000
ALL	\$1,000,000	\$4,500,000	\$3,500,000	\$2,000,000	\$0	\$11,000,000	\$0	\$6,450,000	\$17,450,000

PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs:
Description	From	To		
				SOURCE: Total Annual Income



TYPE OF SERVICE: Wastewater		PROJECT NUMBER		PROJECT NAME:		FINANCIAL PROJECT #		PAGE	
DEPARTMENT: PUBLIC WORKS DEPARTMENT		19-WAS-007		Conserv II Big Bubble Mixers - Stage Two aeration				169	
DIVISION: WASTEWATER PROCESS/OPERATIO		PRIORITY: Future Need/Planned Expansion							
PROBLEM IDENTIFICATION OR NEED:									
Aeration Basins 7 and 8 and part of aeration basins 9 and 10 are anoxic zones of the microbiological treatment process. These zones are currently mixed with fine bubble diffusers. It is difficult to mix these zones and prevent oxygen transfer when using fine bubble diffusers.							PROJECT RANKING		
							Department Rating 4 .		
							CIE Requirement		
							CONTACT: Steve Shelnut 40		
							REMARKS		
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):									
Install Big Bubble Mixers in above aeration zones. The design has already have been completed.									
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR									
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
		\$2,000,000	\$0	\$0	\$0		\$0	\$0	
ALL		\$2,000,000	\$0	\$0	\$0		\$0	\$0	
PROJECT COST BY PHASE									
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)				
Project Phasing		Estimated Time		Estimated Cost					
Description		From	To			Salaries, Wages, Benefits			
						Operating Costs			
						Other Capital Costs			
						Total Annual Operating Costs:			
						SOURCE:			
						Total Annual Income			

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE 170
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	14-352-005	Conserv II Deep Bed Filters		
DIVISION:	WASTEWATER	PRIORITY:			

PROBLEM IDENTIFICATION OR NEED:

Existing Automatic Backwash (ABW) Filters have been completely rehabed twice in the last 7 years. They have high maintenance cost. Additionally, they meet the current flow requirements of the facility when fully on line but without FDEP required redundance.

PROJECT RANKING	
Department Rating	0.
CIE Requirement	N

CONTACT:

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Convert to Deep Bed Filters, after professional evaluation. Deep bed filters have higher flow capacity, lower maintenance, and produce a better quality effluent.

SERVICE AREA

CLUSTER 2

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4106	\$0	\$0		\$0	\$0		\$0	\$0	
ALL	\$0	\$0		\$0	\$0		\$0	\$0	



PROJECT COST BY PHASE			IMPACT ON OPERATING COST (+-)	
-----------------------	--	--	-------------------------------	--

Project Phasing Description	Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs: SOURCE: Total Annual Income
	From	To		

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE 171
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	16-WAS-006	Conserv II Equalization Pumping Station Reha								
DIVISION:	WASTEWATER PROCESS/OPERATIO	PRIORITY: Existing Deficiency									
PROBLEM IDENTIFICATION OR NEED:										PROJECT RANKING Department Rating 2. CIE Requirement N CONTACT: Steve Shelnut 40 REMARKS Project name - Water Conserv II Equalization Pumping Station Rehabilitation	
Three equalization pump station pumps are over 10 years old and are at the end of their service life. The ancillary piping and valves are over 20 years old and are beginning to leak. The pump volutes on all 5 pumps have become worn and have reduced pumping capacity. The equalization pump station is in continuous use. A majority of the equipment has passed its service life and is approaching it's end of useful life.											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
Evaluate and issue a PDR for the equalization pump station in FY2016/17. The station rehab will begin in FY 2017-18.										SERVICE AREA	
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											LOCATION
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
4106	\$4,500,000	\$0	\$0	\$0	\$0	\$4,500,000	\$0	\$600,000	\$5,100,000		
ALL	\$4,500,000	\$0	\$0	\$0	\$0	\$4,500,000	\$0	\$600,000	\$5,100,000		
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)						
Project Phasing		Estimated Time		Estimated Cost							
Description		From	To								
				Salaries, Wages, Benefits							
				Operating Costs							
				Other Capital Costs							
				Total Annual Operating Costs:							
				SOURCE:							
				Total Annual Income							

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE 172
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	19-WAS-004	Conserv II Plant Water System Evaluation		
DIVISION:	WASTEWATER PROCESS/OPERATIO	PRIORITY: Repair / Replacement			

PROBLEM IDENTIFICATION OR NEED:

There are between 20 and 30 existing isolation valves on the plant water system that have failed. When a leak occurs on the system a plant shutdown is required to complete repairs.

PROJECT RANKING

Department Rating 3 .
CIE Requirement

CONTACT: Steve Shelnut 40

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Evaluate system for correct location of existing and future needed valves. Repair existing valves and install additional valves as needed.

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4106	\$500,000	\$0	\$0	\$0	\$0	\$500,000	\$0	\$0	\$500,000
ALL	\$500,000	\$0	\$0	\$0	\$0	\$500,000	\$0	\$0	\$500,000

PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs: SOURCE: Total Annual Income
Description	From	To		

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # 2846	PAGE 173
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	03-352-002	Conserv II Process Improvements and Upgrades		
DIVISION:	WASTEWATER	PRIORITY: Future Need/Planned Expansion			

PROBLEM IDENTIFICATION OR NEED:
 The permitted capacity of the Conserv II WRF has been reduced from 25 mgd to 21 mgd pending completion and stress testing of Phase I improvements that began in December 2011. Once the improvements have been completed, stress testing will determine the scope of modifications necessary to rerate the WRF to 25 mgd. In addition the Conserv II WRF could be impacted by OUC's Project RENEW. RENEW could cause the diversion of up to 9.2 mgd of raw wastewater to the WRF resulting in the need for up to 25.75 mgd capacity at the Conserv II WRF.

PROJECT RANKING
Department Rating 4 . 20
CIE Requirement N

CONTACT: Bob Rutter 246-2531

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

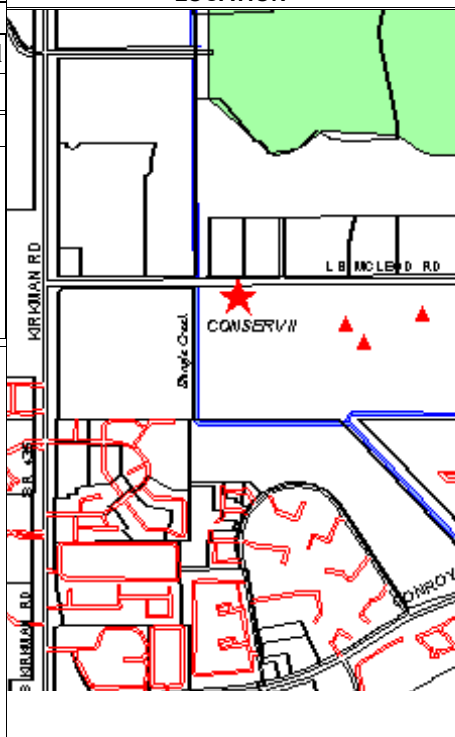
Possible improvements to the Conserv II WRF include conversion of the primary clarifiers to anoxic reactors for nitrogen removal and installation of mixers and baffles in bioreactors to enhance treatment performance. This project does not include improvements to expand capacity of the Conserv II WRF beyond 25 mgd to accommodate RENEW.

SERVICE AREA
 WESTERN WASTEWATER SERVICE AREA

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4106	\$0	\$500,000	\$2,500,000	\$0	\$0	\$3,000,000	\$0	\$4,850,000	\$7,850,000
ALL	\$0	\$500,000	\$2,500,000	\$0	\$0	\$3,000,000	\$0	\$4,850,000	\$7,850,000



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing Description	Estimated Time		Estimated Cost
	From	To	
Construction/CM costs			\$6,000,000
Design/PM costs			\$600,000

Salaries, Wages, Benefits
 Operating Costs
 Other Capital Costs
 Total Annual Operating Costs:

 SOURCE:
 Total Annual Income

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	12-352-001	Conserv II RIB Site 1 & 10 Expansion		
DIVISION:	WASTEWATER	PRIORITY:			

PROBLEM IDENTIFICATION OR NEED:

As part of the permit renewal for the Conserv II Distribution Center, the FDEP permitted the expansion of rapid infiltration basin (RIB) Sites. Improvements at RIB Sites 1 & 10 need to be started before expiration of the current permit or permitting of those sites will be reopened with the FDEP.

PROJECT RANKING	
Department Rating	4 . 26
CIE Requirement	Y

CONTACT: Paul Deuel x2213

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

This project will provide a total capacity of 8.3 mgd AADF of RIB capacity including gopher tortoise relocation, construction of RIBs, reclaimed water distribution system, access roads, and groundwater monitoring system.

SERVICE AREA

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4106	\$0	\$4,000,000	\$0	\$0	\$0	\$4,000,000	\$0	\$4,100,000	\$8,100,000
ALL	\$0	\$4,000,000	\$0	\$0	\$0	\$4,000,000	\$0	\$4,100,000	\$8,100,000



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	Salaries, Wages, Benefits
Description	From	To		
				Other Capital Costs
				Total Annual Operating Costs:
				SOURCE:
				Total Annual Income

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE 178
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	13-359-001	Easterly Wetlands Restoration		
DIVISION:	WASTEWATER	PRIORITY:	Existing Deficiency		

PROBLEM IDENTIFICATION OR NEED:

The wetlands remove nutrients from reclaimed water discharges by incorporating them into organic biomass. The biomass is ultimately deposited at the bottom of the treatment cells and can lead to impaired water quality.

PROJECT RANKING

Department Rating 2.
CIE Requirement N

CONTACT: Mark Sees 407-94

REMARKS

Project 2973

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

To prevent poor water quality and to meet all State and Federal standards, periodic maintenance of wetland cells is needed. Routine demucking of the accumulated organic debris and sediments must occur. Failure to remove this buildup leads to loss of water quality and hydraulic capacity.

SERVICE AREA

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4106	\$0	\$500,000	\$500,000	\$500,000	\$0	\$1,500,000	\$0	\$2,600,000	\$4,100,000
ALL	\$0	\$500,000	\$500,000	\$500,000	\$0	\$1,500,000	\$0	\$2,600,000	\$4,100,000



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	Salaries, Wages, Benefits
Description	From	To		
				Other Capital Costs
				Total Annual Operating Costs:
				SOURCE:
				Total Annual Income

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE 179
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	15-WAS-001	Iron Bridge Area Collection System Improvements		
DIVISION:	WASTEWATER ENGINEERING/MAINT	PRIORITY: Existing Deficiency			

PROBLEM IDENTIFICATION OR NEED:

The City undertook a "desktop" evaluation of the Lift Station 3 collections system piping. The evaluation recommended that the City continue to monitor, inspect, evaluate and implement improvements to the collection system. Also through that "desktop" evaluation a sewer system improvement implementation plan was developed.

PROJECT RANKING

Department Rating 2.
CIE Requirement N

CONTACT:

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

The Lift Station 3 Collection System Piping project is implementation of capital improvements that are required to maintain the system.

SERVICE AREA

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4106	\$1,500,000	\$2,500,000	\$1,500,000	\$1,500,000	\$0	\$7,000,000	\$0	\$2,800,000	\$9,800,000
ALL	\$1,500,000	\$2,500,000	\$1,500,000	\$1,500,000	\$0	\$7,000,000	\$0	\$2,800,000	\$9,800,000



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs:
Description	From	To		
				SOURCE: Total Annual Income

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE 180
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	19-WAS-002	Iron Bridge Biosolids Disposal Improvements		
DIVISION:	WASTEWATER PROCESS/OPERATIO	PRIORITY:			

PROBLEM IDENTIFICATION OR NEED:

Effective and likely disposal of biosolids is necessary to operate a biological wastewater facility. Due to changing regulations it has disadvantages to produce a class B cake for disposal.

PROJECT RANKING

Department Rating 0.
CIE Requirement

CONTACT: Robert Rang

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Install a Bioset System to better comply with disposal regulations.

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4106	\$500,000	\$5,000,000	\$0	\$0	\$0	\$5,500,000	\$0	\$0	\$5,500,000
ALL	\$500,000	\$5,000,000	\$0	\$0	\$0	\$5,500,000	\$0	\$0	\$5,500,000

PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs: SOURCE: Total Annual Income
Description	From	To		

TYPE OF SERVICE: Wastewater		PROJECT NUMBER		PROJECT NAME:		FINANCIAL PROJECT #		PAGE	
DEPARTMENT: PUBLIC WORKS DEPARTMENT		17-WAS-003		Iron Bridge Diffused Air Improvements				181	
DIVISION: WASTEWATER PROCESS/OPERATIO		PRIORITY: Critical Deficiency							
PROBLEM IDENTIFICATION OR NEED:						PROJECT RANKING			
Diffused air membranes are deteriorating faster than expected.						Department Rating 1.			
						CIE Requirement			
						CONTACT: Robert Rang 321-			
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):						REMARKS			
AECOM evaluated alternative Diffusers.									
						SERVICE AREA			
						CITYWIDE			
						LOCATION			
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR									
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4106	\$1,800,000	\$0	\$0	\$0	\$0	\$1,800,000	\$0	\$750,000	\$2,550,000
ALL	\$1,800,000	\$0	\$0	\$0	\$0	\$1,800,000	\$0	\$750,000	\$2,550,000
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)				
Project Phasing		Estimated Time		Estimated Cost					
Description		From	To			Salaries, Wages, Benefits			
						Operating Costs			
						Other Capital Costs			
						Total Annual Operating Costs:			
						SOURCE:			
						Total Annual Income			

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE 182
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	15-WAS-003	Iron Bridge Grit System Replacement								
DIVISION:	WASTEWATER PROCESS/OPERATIO	PRIORITY: Existing Deficiency									
PROBLEM IDENTIFICATION OR NEED:										PROJECT RANKING Department Rating 2. CIE Requirement N	
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):										CONTACT: Robert Rang 321- REMARKS	
										SERVICE AREA	
										CITYWIDE	
										LOCATION	
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
4106	\$1,000,000	\$8,000,000	\$0	\$0	\$0	\$9,000,000	\$0	\$2,100,000	\$11,100,000		
ALL	\$1,000,000	\$8,000,000	\$0	\$0	\$0	\$9,000,000	\$0	\$2,100,000	\$11,100,000		
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)						
Project Phasing		Estimated Time		Estimated Cost							
Description		From	To								
				Salaries, Wages, Benefits							
				Operating Costs							
				Other Capital Costs							
				Total Annual Operating Costs:							
				SOURCE:							
				Total Annual Income							

TYPE OF SERVICE: Wastewater		PROJECT NUMBER		PROJECT NAME:		FINANCIAL PROJECT #		PAGE 183	
DEPARTMENT: PUBLIC WORKS DEPARTMENT		19-WAS-008		Iron Bridge Master Pump Stations Tank Replacement					
DIVISION: WASTEWATER PROCESS/OPERATIO		PRIORITY: Repair / Replacement							
PROBLEM IDENTIFICATION OR NEED:						PROJECT RANKING			
Underground Diesel fuel storage tanks pose a threat to the environment and our water supplies. A push was made by the City of Orlando over the past few years to replace all underground storage tanks (UST) with above ground storage tanks (AST). The UST at Iron Bridges Master Pump Station is the last one owned by the Water Reclamation Division.						Department Rating 3 . CIE Requirement			
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):						CONTACT: Guy Mecabe 321-			
Removal, disposal, evaluation, and clean up of current UST site. Replace with AST and associated instrumentation.						REMARKS			
						SERVICE AREA			
						LOCATION			
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR									
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ALL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PROJECT COST BY PHASE						IMPACT ON OPERATING COST (+-)			
Project Phasing		Estimated Time		Estimated Cost		Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs: SOURCE: Total Annual Income			
Description		From	To						

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE 184
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	19-WAS-006	Iron Bridge Solids Handling Biofilter Media		
DIVISION:	WASTEWATER PROCESS/OPERATIO	PRIORITY: Existing Deficiency			

PROBLEM IDENTIFICATION OR NEED:

The media in the biofilter is nearing the end of its service life. The biofilter is needed for community relations.

PROJECT RANKING
Department Rating 2 .
CIE Requirement

CONTACT: Steve Shelnutt 40

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Replace the media before it fails.

SERVICE AREA

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
		\$0	\$400,000	\$0	\$0		\$0	\$0	
ALL		\$0	\$400,000	\$0	\$0		\$0	\$0	

PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs: SOURCE: Total Annual Income
Description	From	To		

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE 185				
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	17-WAS-002	Iron Bridge Storm Water A Improvements						
DIVISION:	WASTEWATER PROCESS/OPERATIO	PRIORITY: Existing Deficiency							
PROBLEM IDENTIFICATION OR NEED:				PROJECT RANKING					
Discharge point has underflow and needs an engineered solution				Department Rating 2 .					
				CIE Requirement					
				CONTACT: Robert Rang 321-					
				REMARKS					
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):									
Design and build a proper storm water discharge compliant with current BMP.									
				SERVICE AREA					
				LOCATION					
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR									
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4106	\$400,000	\$0	\$0	\$0	\$0	\$400,000	\$0	\$100,000	\$500,000
ALL	\$400,000	\$0	\$0	\$0	\$0	\$400,000	\$0	\$100,000	\$500,000
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)				
Project Phasing		Estimated Time		Estimated Cost					
Description		From	To						
					Salaries, Wages, Benefits				
					Operating Costs				
					Other Capital Costs				
					Total Annual Operating Costs:				
					SOURCE:				
					Total Annual Income				

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE 186
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	17-WAS-001	Iron Bridge Ventilation for Biosolids Press Room								
DIVISION:	WASTEWATER PROCESS/OPERATIO	PRIORITY: Critical Deficiency									
PROBLEM IDENTIFICATION OR NEED:										PROJECT RANKING Department Rating 1. CIE Requirement	
Lack of air exchange is causing condensation and corrosion in the press room.											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
Design and build a ventilation system to protect the building and equipment without causing odor issues.										CONTACT: Robert Rang 321-	
										REMARKS	
										SERVICE AREA	
										CITYWIDE	
										LOCATION	
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
4106	\$900,000	\$0	\$0	\$0	\$0	\$900,000	\$0	\$100,000	\$1,000,000		
ALL	\$900,000	\$0	\$0	\$0	\$0	\$900,000	\$0	\$100,000	\$1,000,000		
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)						
Project Phasing		Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs: SOURCE: Total Annual Income						
Description		From	To								

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # CIP0177_P	PAGE 187
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	11-354-002	Lift Station Odor Control		
DIVISION:	WASTEWATER ENGINEERING/MAINT	PRIORITY: Future Need/Planned Expansion			

PROBLEM IDENTIFICATION OR NEED:
Hydrogen sulfide creates unpleasant odors at the lift stations and also creates a corrosive environment inside of the sanitary collection system, which deteriorates the piping and structures. Initially address Lift Stations 3, 45, 138, 248.

PROJECT RANKING
Department Rating 4 . 21
CIE Requirement N

CONTACT: Charles Shultz x2658

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):
Evaluate the hydrogen sulfide and odor control technologies and provide gaseous odor control systems at lift stations that exhibit odor problems.

SERVICE AREA
CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4106	\$0	\$500,000	\$500,000	\$500,000	\$500,000	\$2,000,000	\$0	\$4,000,000	\$6,000,000
ALL	\$0	\$500,000	\$500,000	\$500,000	\$500,000	\$2,000,000	\$0	\$4,000,000	\$6,000,000



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs:
Description	From	To		
				SOURCE: Total Annual Income

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # 6304	PAGE 188
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	07-354-002	Lift Station Rehabilitation		
DIVISION:	WASTEWATER	PRIORITY: Repair / Replacement			

PROBLEM IDENTIFICATION OR NEED:

Many of the City's wastewater lift stations are over 20 years old and are deteriorating and declining in reliability and efficiency. The lift stations are essential to the transportation of wastewater to our treatment facilities. They must be periodically upgraded to replace deteriorating equipment and structures or to accommodate increased wastewater flows. In most cases, the rehabilitation involves the replacement of pumps, motors and controls, but in some cases new wet wells or other structures are required.

PROJECT RANKING

Department Rating 3 . 1
CIE Requirement N

CONTACT: Robert Rutter x2573

REMARKS

Total Project costs are \$5,000,000. The remaining\$ 3,750,000 will be funded using SRF funds once they are received.

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

The first phase of the lift station rehabilitation program will address Lift Station #'s 1, 2, 3, 5, 7, 30,45, 83, 85, 181, 182, 183, 184,185, 248 and 249.

For FY16/17: Total project cost is \$10M with 85% funded by SRF and 15% by City. This request represents the City's portion of the funding.

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4106	\$3,000,000	\$3,000,000	\$5,000,000	\$0	\$0	\$11,000,000	\$0	\$23,000,000	\$34,000,000
ALL	\$3,000,000	\$3,000,000	\$5,000,000	\$0	\$0	\$11,000,000	\$0	\$23,000,000	\$34,000,000



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs:
Description	From	To		
				SOURCE: Total Annual Income

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE 189
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	12-354-001	Lift Station Site Improvements		
DIVISION:	WASTEWATER	PRIORITY:	Existing Deficiency		

PROBLEM IDENTIFICATION OR NEED:

The City owns and operates over 200 sanitary lift stations. The majority are duplex (2 pumps) submersible stations that are located on small parcels of land (less than 1/8 acre). The lift stations typically have asphalt or compacted soil access drive, rail road timbers, which serve as curbing, and stone covering the ground for erosion control. Over time, the asphalt, timbers, and stone need replacement or upgrading. This project will make improvements to those sites that are in most need.

PROJECT RANKING

Department Rating 2 . 24
CIE Requirement N

CONTACT: Chuck Shultz x2658

REMARKS

Replace asphalt, timbers, soil as needed.

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4107	\$500,000	\$500,000	\$500,000	\$500,000	\$0	\$2,000,000	\$0	\$5,000,000	\$7,000,000
ALL	\$500,000	\$500,000	\$500,000	\$500,000	\$0	\$2,000,000	\$0	\$5,000,000	\$7,000,000

PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs:
Description	From	To		
				SOURCE: Total Annual Income



TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	05-354-001	Lift Station Underground Rehabilitation		
DIVISION:	WASTEWATER	PRIORITY: Existing Deficiency			

2964	190
------	-----

PROBLEM IDENTIFICATION OR NEED:
The City of Orlando Lift Stations section currently maintains over 210 wastewater lift stations located throughout the City. Numerous lift stations are underground stations that were installed between 1955 and 1968. The stations range from 15-25 feet deep. These underground stations have to be entered through a "man way" by means of a vertical ladder. These stations are becoming obsolete, making it difficult to obtain parts. This type of lift station is also considered a permit-required confined space. Per safety regulations, in order to enter confined space permitted areas, a two-man crew, fall protection and gas monitor are required. Lift Station employees must enter these areas for inspections and maintenance.

PROJECT RANKING	
Department Rating	2 . 3
CIE Requirement	N

CONTACT: Hector Sanchez 3212290296

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):
Install guide rail mounted submersible pumps in the existing wet wells, install accessible valve vaults, new valves, abandon and demolish the existing "underground can stations". The new equipment will ensure the reliability of sewer service and eliminate the safety hazard and liability associated with entering confined spaces.

SERVICE AREA
CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4107	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$0	\$6,000,000	\$0	\$9,725,000	\$15,725,000
ALL	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$0	\$6,000,000	\$0	\$9,725,000	\$15,725,000



PROJECT COST BY PHASE			IMPACT ON OPERATING COST (+/-)
Project Phasing	Estimated Time		
Description	From	To	
			Salaries, Wages, Benefits
			Operating Costs
			Other Capital Costs
			Total Annual Operating Costs:
			SOURCE:
			Total Annual Income

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE 191
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	13-354-003	Lift Station Underground Storage Tank Replacement		
DIVISION:	WASTEWATER	PRIORITY:	Existing Deficiency		

PROBLEM IDENTIFICATION OR NEED:

The lift station section has three (3) underground steel fuel tanks. The tanks are monitored for leaks but as a preventative the lift station section would like to replace the tanks, before leaks occur.

PROJECT RANKING

Department Rating 2 . 33
CIE Requirement N

CONTACT: Chuck Shultz x26

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Replace the tanks with above ground fuel tanks and piping.

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4106	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000	\$500,000
ALL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000	\$500,000



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	
Description	From	To		
				Salaries, Wages, Benefits
				Operating Costs
				Other Capital Costs
				Total Annual Operating Costs:
				SOURCE:
				Total Annual Income

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	13-354-001	Lift Stations Electrical Safety Improvements		
DIVISION:	WASTEWATER	PRIORITY:	Existing Deficiency		

PROBLEM IDENTIFICATION OR NEED:
 The Wastewater Division is implementing a program to align the Divisions electrical practices with the National Fire Protection Association 70E. One of the deficiencies identified is that approximately 30 of the lift station electrical panels do not comply with NFPA 70E. Therefore, replacement of the panels is proposed to create a safer work environment at the lift stations.

PROJECT RANKING	
Department Rating	2 . 32
CIE Requirement	Y
CONTACT: Chuck Shultz	x2658
REMARKS	

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):
 Replace the deficient panels to comply with NFPA 70E in accordance with current lift station standards.

SERVICE AREA	
CITYWIDE	
LOCATION	

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR									
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4106	\$1,000,000	\$400,000	\$2,000,000	\$400,000	\$0	\$3,800,000	\$0	\$3,750,000	\$7,550,000
ALL	\$1,000,000	\$400,000	\$2,000,000	\$400,000	\$0	\$3,800,000	\$0	\$3,750,000	\$7,550,000

PROJECT COST BY PHASE

Project Phasing	Estimated Time		Estimated Cost
Description	From	To	
			Salaries, Wages, Benefits
			Operating Costs
			Other Capital Costs
			Total Annual Operating Costs:
			SOURCE:
			Total Annual Income



TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE 193
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	19-WAS-001	Lift Stations Emergency Generators		
DIVISION:	WASTEWATER ENGINEERING/MAINT	PRIORITY: Existing Deficiency			

PROBLEM IDENTIFICATION OR NEED:

To provide emergency electrical power to sanitary Lift Stations during normal power outages.

PROJECT RANKING
Department Rating 2 .
CIE Requirement

CONTACT: Charles Shultz 4072462658

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Install emergency generators at Lift Stationd

SERVICE AREA

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2017/18	2018/19	2019/20	2020/21	2021/22	FIVE YR	LATER	PRIOR	Total
4106	\$500,000	\$2,000,000	\$2,500,000	\$2,500,000	\$2,500,000	\$10,000,000	\$0	\$0	\$10,000,000
ALL	\$500,000	\$2,000,000	\$2,500,000	\$2,500,000	\$2,500,000	\$10,000,000	\$0	\$0	\$10,000,000

PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs: SOURCE: Total Annual Income
Description	From	To		

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	07-344-001	Line Sewers		
DIVISION:	WASTEWATER	PRIORITY: Repair / Replacement			

6360	194
------	-----

PROBLEM IDENTIFICATION OR NEED:
 Some of the City's wastewater collection system consists of concrete pipes that were installed many years ago. Over time, the concrete sewers have deteriorated and may have shifted due to poor installation. Our modern sewers are constructed with PVC pipe because it is immune to deterioration from sulfide, it has superior joints that limit leakage and it is relatively easy to install. In addition, some of the concrete pipes may be relined to eliminate deteriorated pipe or to correct some misalignment.

PROJECT RANKING	
Department Rating	3 . 18
CIE Requirement	N

CONTACT: Charles Shultz x2213

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):
 The Wastewater Division is implementing a program to replace or reline concrete sewers to address misaligned pipe, deteriorated pipe or leaking joints.

REMARKS

SERVICE AREA
 CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4106	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$0	\$8,000,000	\$850,000	\$6,250,000	\$15,100,000
ALL	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$0	\$8,000,000	\$850,000	\$6,250,000	\$15,100,000



PROJECT COST BY PHASE	IMPACT ON OPERATING COST (+/-)
-----------------------	--------------------------------

Project Phasing	Estimated Time	Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs: SOURCE: Total Annual Income
Description	From To		

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE 195
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	12-354-002	LS1,2,3 and 4 Force Main Evaluation		
DIVISION:	WASTEWATER	PRIORITY: Existing Deficiency			

PROBLEM IDENTIFICATION OR NEED:

Lift Station 2 & 3 serve the northwest area of downtown Orlando, to include Florida Hospital South. Sections of the force main are more than 50 years old and sections of the force main run down the north side of Colonial Drive, from Crystal Lake Drive to Bennett Road. The condition of the force main and a possible second force main should be investigated.

PROJECT RANKING

Department Rating 2 . 15
CIE Requirement N

CONTACT: Chuck Shultz x2658

REMARKS

Investigate means of determining the force main condition and alternate force main routes.

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

--	--	--	--	--	--	--	--	--	--

SERVICE AREA

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4106	\$1,500,000	\$3,000,000	\$2,000,000	\$2,000,000	\$0	\$8,500,000	\$0	\$7,300,000	\$15,800,000
ALL	\$1,500,000	\$3,000,000	\$2,000,000	\$2,000,000	\$0	\$8,500,000	\$0	\$7,300,000	\$15,800,000



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	
Description	From	To		
				Salaries, Wages, Benefits
				Operating Costs
				Other Capital Costs
				Total Annual Operating Costs:
				SOURCE:
				Total Annual Income

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT # 6305	PAGE 196
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	08-344-003	Rapid Response Construction		
DIVISION:	WASTEWATER	PRIORITY: Repair / Replacement			

PROBLEM IDENTIFICATION OR NEED:

From time to time, repair or replacement of wastewater infrastructure is required to be performed on an emergency or timely basis that prevents the conventional design, bid, construct process.

PROJECT RANKING

Department Rating 3 . 9
CIE Requirement N

CONTACT: Charles Shultz x2213

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Projects that must be completed under deadlines that prevent typical design, bid, construct procedures will be performed by pre-qualified firms under "Rapid Response" contracts that are authorized by the Director of Public Works.

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4106	\$1,000,000	\$2,500,000	\$2,500,000	\$2,500,000	\$0	\$8,500,000	\$0	\$7,700,000	\$16,200,000
ALL	\$1,000,000	\$2,500,000	\$2,500,000	\$2,500,000	\$0	\$8,500,000	\$0	\$7,700,000	\$16,200,000

PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs:
Description	From	To		
				SOURCE: Total Annual Income



TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE 197				
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	19-WAS-009	Reclaimed Water System Valve Replacements						
DIVISION:	WASTEWATER	PRIORITY: Repair / Replacement							
PROBLEM IDENTIFICATION OR NEED:				PROJECT RANKING					
Older valves within the reclaimed water system no longer seal properly and therefore do not isolate the main line and some do not operate at all. A select key valves have been identified to repair or replace.				Department Rating	3 .				
				CIE Requirement	N				
				CONTACT: Jeff Collins	3304				
				REMARKS					
				SERVICE AREA					
				LOCATION					
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):									
Repair or replace six 12", five 16", ten 24", and two 30" valves									
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR									
FUND	18/19	19/20	20/21	21/22	22/23	FIVE YR	LATER	PRIOR	Total
4106	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000
ALL	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000
PROJECT COST BY PHASE						IMPACT ON OPERATING COST (+-)			
Project Phasing		Estimated Time		Estimated Cost					
Description		From	To						
						Salaries, Wages, Benefits			
						Operating Costs			
						Other Capital Costs			
						Total Annual Operating Costs:			
						SOURCE:			
						Total Annual Income			

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE 198				
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	16-WAS-008	Rehab of old lab facility to an education center						
DIVISION:	WASTEWATER PROCESS/OPERATIO	PRIORITY: Existing Deficiency							
PROBLEM IDENTIFICATION OR NEED:				PROJECT RANKING					
Wastewater has a Compliance and Public Awareness program. A very important part of this program is educating the public. To accomplish educating the public wastewater needs an education space to conduct awareness events and also to bring children in from schools to teach them the do's and don't of diposal. Conserv II has a space that use to be the lab that would serve an education center once the space was rehabed.				Department Rating 2 . CIE Requirement N					
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):				CONTACT: Maria Lachney 40					
Rehab the old lab space to provide an education center.				REMARKS					
				SERVICE AREA					
				LOCATION					
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR									
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4106	\$150,000	\$0	\$0	\$0	\$0	\$150,000	\$0	\$250,000	\$400,000
ALL	\$150,000	\$0	\$0	\$0	\$0	\$150,000	\$0	\$250,000	\$400,000
PROJECT COST BY PHASE									
IMPACT ON OPERATING COST (+-)									
Project Phasing			Estimated Time		Estimated Cost				
Description			From To		Salaries, Wages, Benefits				
					Operating Costs				
					Other Capital Costs				
					Total Annual Operating Costs:				
					SOURCE:				
					Total Annual Income				

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE 199
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	16-WAS-001	Sanitary Service Lateral Rehabilitation								
DIVISION:	WASTEWATER ENGINEERING/MAINT	PRIORITY: Repair / Replacement									
PROBLEM IDENTIFICATION OR NEED:										PROJECT RANKING Department Rating 3 . CIE Requirement N CONTACT: Charles Shultz 40 REMARKS	
As the sanitary sewer system ages the service laterals also need repair or replacement. Point repairs of laterals or CIIP lining of laterals is a large part of the SEM emergency work.											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
Investigate areas of high lateral failure and rehabilitate the laterals in a systematic method/project(s).										SERVICE AREA	
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR										LOCATION	
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
4106	\$500,000	\$2,500,000	\$2,500,000	\$2,000,000	\$0	\$7,500,000	\$0	\$500,000	\$8,000,000		
ALL	\$500,000	\$2,500,000	\$2,500,000	\$2,000,000	\$0	\$7,500,000	\$0	\$500,000	\$8,000,000		
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)						
Project Phasing		Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs: SOURCE: Total Annual Income						
Description		From	To								

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE 200
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	16-WAS-002	Sanitary System Corrosion Abatement								
DIVISION:	WASTEWATER ENGINEERING/MAINT	PRIORITY: Repair / Replacement									
PROBLEM IDENTIFICATION OR NEED:										PROJECT RANKING Department Rating 3. CIE Requirement N	
The existing sanitary system includes concrete pipe, manholes, and structure that can corrode, degrade and fail over time.											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):											
Provide projects for the repair or replacement of the concrete pipe and structures with other materials or protective systems.										CONTACT: Charles Shultz 40	
										REMARKS	
										SERVICE AREA	
										LOCATION	
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR											
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
4106	\$0	\$1,000,000	\$1,000,000	\$1,000,000	\$0	\$3,000,000	\$0	\$3,000,000	\$6,000,000		
ALL	\$0	\$1,000,000	\$1,000,000	\$1,000,000	\$0	\$3,000,000	\$0	\$3,000,000	\$6,000,000		
PROJECT COST BY PHASE					IMPACT ON OPERATING COST (+-)						
Project Phasing		Estimated Time		Estimated Cost							
Description		From	To								
					Salaries, Wages, Benefits						
					Operating Costs						
					Other Capital Costs						
					Total Annual Operating Costs:						
					SOURCE:						
					Total Annual Income						

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:							FINANCIAL PROJECT #	PAGE 201
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	16-WAS-003	Sanitary upgrades with other projects								
DIVISION:	WASTEWATER ENGINEERING/MAINT	PRIORITY: Existing Deficiency									
PROBLEM IDENTIFICATION OR NEED:										PROJECT RANKING Department Rating 2. CIE Requirement N	
Divisions such as Streets and Stormwater, Venues and other entities such as Orange County or FDOT will have projects that are in proximity to or directly affect the sanitary System.											
CONTACT: Charles Shultz 40											
RECOMMENDED SOLUTION (PROJECT DESCRIPTION):										REMARKS	
Include upgrading of the system where applicable to provide a more cost effective and less intrusive project.										SERVICE AREA	
PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR										LOCATION	
FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total		
4106	\$1,000,000	\$1,500,000	\$1,500,000	\$1,500,000	\$0	\$5,500,000	\$0	\$3,000,000	\$8,500,000		
ALL	\$1,000,000	\$1,500,000	\$1,500,000	\$1,500,000	\$0	\$5,500,000	\$0	\$3,000,000	\$8,500,000		
PROJECT COST BY PHASE											
IMPACT ON OPERATING COST (+-)											
Project Phasing			Estimated Time		Estimated Cost						
Description			From	To							
					Salaries, Wages, Benefits						
					Operating Costs						
					Other Capital Costs						
					Total Annual Operating Costs:						
					SOURCE:						
					Total Annual Income						

TYPE OF SERVICE:	Wastewater	PROJECT NUMBER	PROJECT NAME:	FINANCIAL PROJECT #	PAGE 202
DEPARTMENT:	PUBLIC WORKS DEPARTMENT	11-344-006	Sewage ARV Replacement		
DIVISION:	WASTEWATER ENGINEERING/MAINT	PRIORITY: Repair / Replacement			

PROBLEM IDENTIFICATION OR NEED:

Sewage Air Release Valves (ARVs) are an integral part of the sanitary force main system. The City's force main system has over 200 ARV's. Many of the ARV's are corroding and some are malfunctioning due to the corrosive gases released through the ARV's. Malfunctioning ARV's can cause system over flows, corroding of pipe, and higher pumping costs.

PROJECT RANKING

Department Rating 3 . 14
CIE Requirement N

CONTACT: Charles Shultz x2658

REMARKS

RECOMMENDED SOLUTION (PROJECT DESCRIPTION):

Provide evaluation and replacement of the ARV's.

SERVICE AREA

CITYWIDE

LOCATION

PROPOSED PROJECT FINANCING AND EXPENDITURES BY YEAR

FUND	2018/19	2019/20	2020/21	2021/22	2022/23	FIVE YR	LATER	PRIOR	Total
4106	\$1,500,000	\$300,000	\$1,500,000	\$300,000	\$0	\$3,600,000	\$0	\$1,900,000	\$5,500,000
ALL	\$1,500,000	\$300,000	\$1,500,000	\$300,000	\$0	\$3,600,000	\$0	\$1,900,000	\$5,500,000



PROJECT COST BY PHASE

IMPACT ON OPERATING COST (+-)

Project Phasing	Estimated Time		Estimated Cost	Salaries, Wages, Benefits Operating Costs Other Capital Costs Total Annual Operating Costs:
Description	From	To		
				SOURCE: Total Annual Income



THIS PAGE LEFT INTENTIONALLY BLANK

INDEX TO CAPITAL PROJECTS

Project Name	Page #
ADA Transition Plan	109
Administration Center Garage Repair/Maintenance	121
Affordable Housing	49
Amway Center Repair and Replacement	85
Athletic Field Maintenance	86
Bicycle Plan Implementation	122
Bob Carr	87
Brick Street Restoration	123
CBD Waste & Recycling Center	104
Commercial Collection Vehicles	105
Central Blvd Garage Repair and Maintenance	124
Centroplex I Garage Repair and Maintenance	125
Centroplex II Garage Capital Repairs	126
Colonial Overpass	127
Conserv I Area Collection System Improvements	164
Conserv I Expansion Joint Repair and Replacement	165
Conserv I Reclaimed Water Storage	166
Conserv I Treatment Plant Improvements	167
Conserv II Area Collection System Improvements	168
Conserv II Big Bubble Mixers – Stage Two Aeration	169
Conserv II Deep Bed Filters	170
Conserv II Equalization Pumping Station Rehab	171
Conserv II Plant Water System Evaluation	172
Conserv II Process Improvements and Upgrades	173
Conserv II RIB Site 1 & 10 Expansion	174
Courthouse Garage Repair and Maintenance	128
Curb Ramp Construction and Curb Repair	129
Decorative Lighting	130
Dedicated Special Event Equipment	74
Digital City Hall Phase II	65
Downtown Capital Maintenance	54
Downtown Connector Trail	131

INDEX TO CAPITAL PROJECTS

Project Name	Page #
Downtown Lighting	55
DTO Implementation	56
DPAC Repair & Renovation Contribution	88
Drainage Well Enhancement	110
DSNID Projects	50
Dubsdread Clubhouse Improvements	89
Dubsdread Course / Grounds Maintenance	90
Dubsdread Equipment	91
East Lake Arnold	111
Easterly Wetlands Restoration	178
Enterprise Document Management	66
Fire Equipment Replacement	75
Fire Training and Admin Facility – Phase II	76
GEICO Garage Repairs and Maintenance	132
Grand National Dr. Oakridge Road to Sand Lake Road	133
Information Technology Enhancements	67
Information Technology Security Measures	68
Intersection Safety Improvements	134
IRIS Cameras	77
Iron Bridge Area Collection System Improvements	179
Iron Bridge Biosolids Disposal Improvements	180
Iron Bridge Diffused Air Improvements	181
Iron Bridge Grit System Replacement	182
Iron Bridge Master Pump Stations Tank Replacement	183
Iron Bridge Solids Handling Biofilter Media	184
Iron Bridge Storm Water A Improvements	185
Iron Bridge Ventilation for Biosolids Press Room	186
Jefferson Garage Capital Repairs	135
Lake Hourglass to Lake Lancaster Drainage Improvements	112
Lake Notasulga / Haralson Estates	113
Lake of the Woods Al Coith Park	114
Library Garage Maintenance	136

INDEX TO CAPITAL PROJECTS

Project Name	Page #
Lift Station 1, 2, 3 &4 Force Main Evaluation	195
Lift Station Emergency Generators	193
Lift Station Odor Control	187
Lift Station Rehabilitation	188
Lift Station Site Improvements	189
Lift Stations Electrical Safety Improvements	192
Lift Stations Underground Rehabilitation	190
Lift Stations Underground Storage Tank Replacement	191
Lincoln SunRail Station Funding Agreement	137
Line Sewers	194
Low or No Emission Vehicle Program – Grant Match	138
LYNX Annual Contribution	139
Magic Grill Concept Conversion & Renovation	92
Mennello Museum Lighting Replacement & Upgrade	93
Millenia & Oak Ridge Dual Left SB	140
Miscellaneous Sidewalk Repair	141
Narcoossee Road Widening: SR 528 – SR 417	142
New Traffic Signal Locations	143
North Employee Parking Lot	78
OPD Mutual Aid 8TAC94 Infrastructure Replacement	79
Orange/Michigan Turn Lane	144
Orlando Urban Trail between Colonial Overpass and Magnolia	145
Parking Enhancement at Leu Gardens	94
Parks and Playground Renovation Project	95
Parramore Housing Initiative	57
Pavement Marking Maintenance	146
Pavement Rehabilitation	147
Phone System Upgrade	69
Police Equipment Replacement	80
Radebaugh Way Road Widening	148
Railroad Grade Crossing Rehabilitation	149
Rapid Response Construction – Stormwater	115

INDEX TO CAPITAL PROJECTS

Project Name	Page #
Rapid Response Construction – Waste Reclamation	196
Real Estate Acquisition	70
Reclaimed Water System Valve Replacements	197
Recreation Facility Renovations and Maintenance	96
Recreation Pools and Courts	97
Regional Computerized Signal System	150
Rehabilitation of Old Lab Facility to Education Center	198
Replacement Radios for Special Events	81
Residential/Recycling Collection Vehicles	106
Robinson Street “Complete Streets”	151
Sanitary Service Lateral Rehabilitation	199
Sanitary System Corrosion Abatement	200
Sanitary Upgrades with Other Projects	201
School/Safety Sidewalk Program	152
Sewage ARV Replacement	202
Shingle Creek Trail	153
Signature Park Renovations	98
Sign and Signal Shop Facility Improvements	71
Smart Cities Capital Project	154
Southeast Projects	58
Streetscape Improvements	59
Stormwater System Construction	116
System Repair and Rehabilitation (Stormwater)	117
SunRail Corridor Quiet Zone	155
Terrace Level Quad C Buildout in Amway Center	99
Terry Ave. – South Extension	156
Traffic Counts and Travel Time Studies	157
Traffic Signal Refurbishing Program	158
Transportation Studies/Professional Services	159
Tree Removal at Leu Gardens	100
Under I Design	60
Uniform Patrol Rifles	82

INDEX TO CAPITAL PROJECTS

Project Name	Page #
Virginia Drive Improvements	160
Welcome Center Upgrades	61

THIS PAGE LEFT INTENTIONALLY BLANK